

Appendix H

Noise Calculation Worksheets

Paseo Marina Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

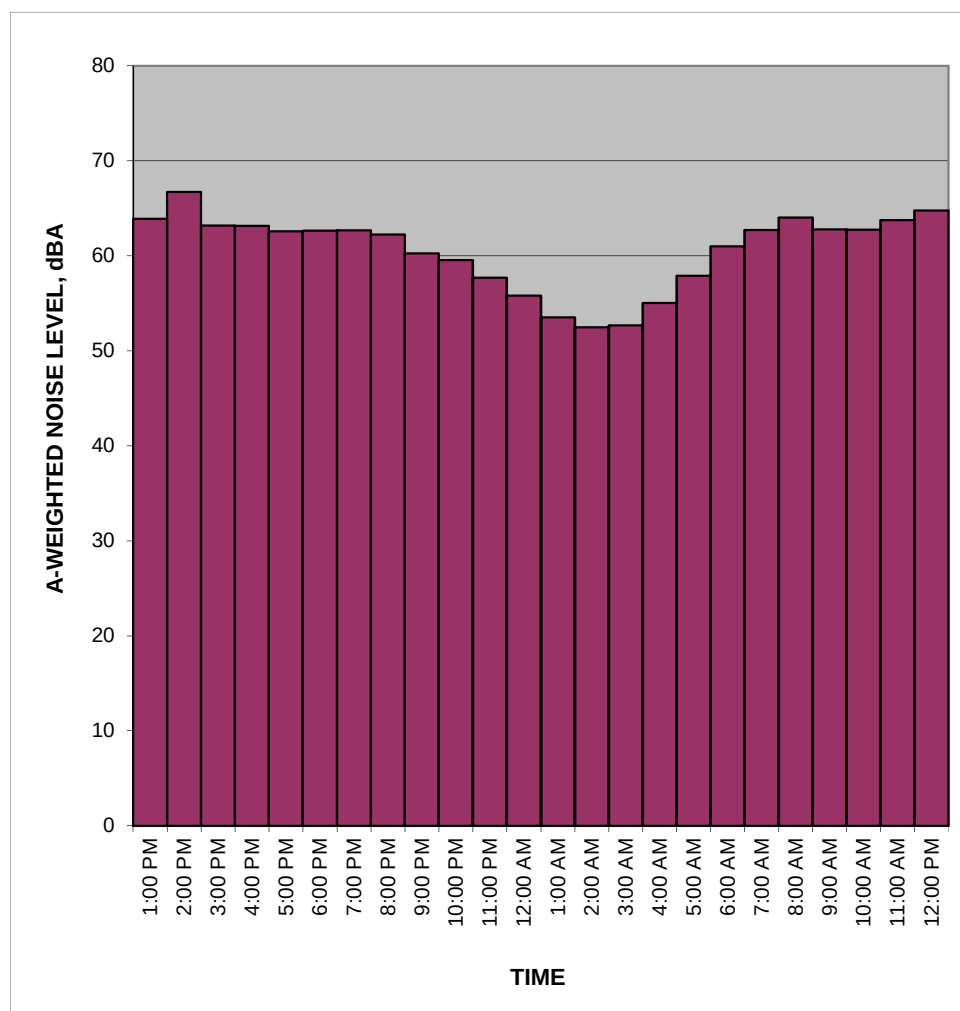
Ambient Noise Measurements

Measured Ambient Noise Levels

Project: Paseo Marina
Location: R1
Sources: Ambient

Date: 5/22 to 5/23/2017

TIME	HNL, dB(A)
1:00 PM	63.9
2:00 PM	66.7
3:00 PM	63.2
4:00 PM	63.1
5:00 PM	62.6
6:00 PM	62.6
7:00 PM	62.7
8:00 PM	62.2
9:00 PM	60.2
10:00 PM	59.6
11:00 PM	57.7
12:00 AM	55.8
1:00 AM	53.5
2:00 AM	52.5
3:00 AM	52.7
4:00 AM	55.0
5:00 AM	57.9
6:00 AM	61.0
7:00 AM	62.7
8:00 AM	64.0
9:00 AM	62.8
10:00 AM	62.8
11:00 AM	63.8
12:00 PM	64.8
CNEL, dB(A):	65.7



NOTES:

Location: R2 -
Date: 5/22/2017

Time	Overload	Leq	Lmax	L10	L90
12:48:49 PM	No	58.9	70.4	61.5	54.5
12:49:49 PM	No	53.8	59.7	55.1	52.6
12:50:49 PM	No	56.5	61.3	59	54
12:51:49 PM	No	57.4	64.9	59.6	54.8
12:52:49 PM	No	58.5	65	61.2	55
12:53:49 PM	No	55.8	64.8	56.3	54.6
12:54:49 PM	No	55.2	58.8	55.9	54.6
12:55:49 PM	No	55.6	61	56.3	54.5
12:56:49 PM	No	56	60.4	57.9	54
12:57:49 PM	No	55.5	66.4	57.1	52.4
12:58:49 PM	No	54.2	57.1	55.7	52.4
12:59:49 PM	No	53.5	59.6	54	52.2
1:00:49 PM	No	55.9	60.5	58.2	53
1:01:49 PM	No	56.2	61.9	58.8	53.6
1:02:49 PM	No	52.8	55	53.8	52
		56.1			

Time	Overload	Leq	Lmax	L10	L90
10:02:08 PM	No	54	59.9	56.1	52.4
10:03:08 PM	No	55.8	62.1	60.3	52.8
10:04:08 PM	No	52.4	54.8	53.2	51.7
10:05:08 PM	No	52.4	54.1	53.1	51.5
10:06:08 PM	No	55.2	60.4	57.8	52.5
10:07:08 PM	No	53.2	55.3	53.6	52.5
10:08:08 PM	No	53.3	56.6	55.3	51.7
10:09:08 PM	No	52.4	54	53.3	51.8
10:10:08 PM	No	52.5	55	53.5	51.7
10:11:08 PM	No	52.4	55.4	53.7	51.3
10:12:08 PM	No	52.5	54.8	53.3	51.3
10:13:08 PM	No	53.5	55.6	54.7	51.8
10:14:08 PM	No	62.1	71.1	67.5	53.3
10:15:08 PM	No	53	57.4	53.8	52.2
10:16:08 PM	No	52.4	55.4	53.4	51.3
		54.9			

Location: R3
Date: 5/22/2017

Time	Overload	Leq	Lmax	L10	L90
1:10:18 PM	No	66.2	71.3	69.3	61.3
1:11:18 PM	No	67.3	73.1	70	61.2
1:12:18 PM	No	66.2	71.8	69.7	58.7
1:13:18 PM	No	65.2	71.7	69	57.5
1:14:18 PM	No	66	70.8	69.4	56.4
1:15:18 PM	No	65.5	71.6	69.7	54.2
1:16:18 PM	No	65.5	70.3	68.9	60
1:17:18 PM	No	67.6	72.7	69.8	62.5
1:18:18 PM	No	68.3	73.6	70.8	61.7
1:19:18 PM	No	67.1	71.9	70.7	55.4
1:20:18 PM	No	66	70.9	69.7	60
1:21:18 PM	No	65.6	70.8	68.7	59.3
1:22:18 PM	No	64.2	68.8	66.4	59.5
1:23:18 PM	No	66.3	71	69	57.1
1:24:18 PM	No	67	72.9	70.6	59.6
		66.4			

Time	Overload	Leq	Lmax	L10	L90
10:28:48 PM	No	66.3	71.8	69.2	60.7
10:29:48 PM	No	61.5	68.7	66.4	50.7
10:30:48 PM	No	64.3	71.1	68.4	51.1
10:31:48 PM	No	63.2	68.1	66.6	55.2
10:32:48 PM	No	59.7	69.3	64.5	50.1
10:33:48 PM	No	63.1	69.8	68.6	52.3
10:34:48 PM	No	63.7	70.2	67.6	52.6
10:35:48 PM	No	66.7	72.4	70.1	58.9
10:36:48 PM	No	63.5	70.9	67.8	52.9
10:37:48 PM	No	61.6	67.9	65.5	54.2
10:38:48 PM	No	57.8	65.8	62.1	50.1
10:39:48 PM	No	66.2	71.7	69	56.9
10:40:48 PM	No	59.5	69.3	65.1	48.1
10:41:48 PM	No	60.7	68.7	66.8	48.5
10:42:48 PM	No	64.9	71.3	69.2	53.5
		63.6			

Location: R4
Date: 5/22/2017

Time	Overload	Leq	Lmax	L10	L90
1:29:45 PM	No	68.9	75.7	71.4	63.3
1:30:45 PM	No	68.9	79.6	71.9	62
1:31:45 PM	No	67.1	71	70.1	63.3
1:32:45 PM	No	67.2	71.8	70.6	61.4
1:33:45 PM	No	65.9	70.7	68.8	62.7
1:34:45 PM	No	65.6	72.5	68.1	56.9
1:35:45 PM	No	65.8	70.3	69	58.7
1:36:45 PM	No	66.7	71	69.7	59
1:37:45 PM	No	71.7	83.7	73	58.1
1:38:45 PM	No	67.6	73.2	70.6	64
1:39:45 PM	No	65.2	69.3	68.5	60.3
1:40:45 PM	No	67.1	77.6	70.9	59.3
1:41:45 PM	No	67.8	74.3	70	62.5
1:42:45 PM	No	72.2	79.4	77.7	67.4
1:43:45 PM	No	71.7	80.8	75.1	59.8
		68.6			

Time	Overload	Leq	Lmax	L10	L90
10:47:32 PM	No	57.2	64.3	62.5	51.2
10:48:32 PM	No	60.3	68.3	64.3	53.4
10:49:32 PM	No	63.6	73.2	66.8	53.1
10:50:32 PM	No	63.1	71.6	67.5	52
10:51:32 PM	No	60.3	67.6	64.4	53.7
10:52:32 PM	No	62.5	69.1	67.2	52.8
10:53:32 PM	No	64.6	74.1	68.7	53.4
10:54:32 PM	No	60.7	68.2	65.6	52.6
10:55:32 PM	No	59.3	69.4	63	50.9
10:56:32 PM	No	59.6	66.3	63.5	54.4
10:57:32 PM	No	59.5	69.2	64.1	50.2
10:58:32 PM	No	61.2	70.4	64.4	53
10:59:32 PM	No	61.2	70.6	65.3	54.2
11:00:32 PM	No	60.7	69	66.6	49.3
11:01:32 PM	No	65.9	78.1	70.8	50.7
		61.9			

Location: R5
Date: 5/22/2017

Time	Overload	Leq	Lmax	L10	L90
1:49:54 PM	No	64.7	70	69.3	58.8
1:50:54 PM	No	63.7	72.8	65.6	59.5
1:51:54 PM	No	63	69.3	67.4	57.6
1:52:54 PM	No	62.9	67.2	65.8	60.2
1:53:54 PM	No	64.9	72.8	69.5	57.8
1:54:54 PM	No	66.8	74.5	70.9	60.1
1:55:54 PM	No	63.2	69.3	65.6	59.6
1:56:54 PM	No	63.1	69.9	66.4	59.2
1:57:54 PM	No	62.5	68.1	65.5	58.9
1:58:54 PM	No	62.6	67.8	65.5	59.4
1:59:54 PM	No	64.9	68.5	67.3	60.9
2:00:54 PM	No	77.1	90.8	78.6	61.1
2:02:54 PM	No	63.8	68.3	66.5	59.6
2:03:54 PM	No	63.4	68.8	66.9	59.7
		67.7			

Time	Overload	Leq	Lmax	L10	L90
11:07:30 PM	No	62.9	71.1	67.9	54.4
11:08:30 PM	No	61.5	73.7	64	53
11:09:30 PM	No	62.4	68.6	66.6	53.4
11:10:30 PM	No	55.8	61.4	58.5	52.9
11:11:30 PM	No	56.7	67.3	56.8	51.7
11:12:30 PM	No	59.5	70.9	61.2	52.8
11:13:30 PM	No	57.2	64.5	60.3	52.3
11:14:30 PM	No	60.3	69.7	63.7	52.1
11:15:30 PM	No	57.8	65.2	60.5	53.3
11:16:30 PM	No	59.4	65.5	62.5	54.5
11:17:30 PM	No	56.5	64	61.3	52
11:18:30 PM	No	58.7	70.1	61.3	51.5
11:19:30 PM	No	64.2	73.6	69.6	51.1
11:20:30 PM	No	62	69.5	67	52.9
11:21:30 PM	No	59.2	71	61.2	53.9
		60.3			

Project: Paseo Marina
 Location: R1
 Date: 2/3/2021

Time	Leq	Lmax
10:09:47 AM	54.7	57.1
10:09:57 AM	53.6	54.9
10:10:07 AM	54.9	57.3
10:10:17 AM	57.2	60.4
10:10:27 AM	59	62.7
10:10:37 AM	53.2	54.7
10:10:47 AM	48.7	49.8
10:10:57 AM	50.2	52.8
10:11:07 AM	55.1	57.2
10:11:17 AM	56.8	59.9
10:11:27 AM	56.2	59.3
10:11:37 AM	54.4	56.9
10:11:47 AM	53.1	56.3
10:11:57 AM	56.1	59.1
10:12:07 AM	51.1	55.6
10:12:17 AM	56.2	59.3
10:12:27 AM	53.9	57
10:12:37 AM	53.9	55.1
10:12:47 AM	54.2	55.2
10:12:57 AM	53.1	55.1
10:13:07 AM	52.8	55.5
10:13:17 AM	53.4	56.2
10:13:27 AM	55.3	56.1
10:13:37 AM	58.1	61.6
10:13:47 AM	60.3	63.5
10:13:57 AM	60.4	61.5
10:14:07 AM	58.1	59.5
10:14:17 AM	56.4	58.5
10:14:27 AM	52.5	53.5
10:14:37 AM	50.8	52.5
10:14:47 AM	51	52.9
10:14:57 AM	63.5	70.6
10:15:07 AM	60.9	64.2
10:15:17 AM	56.8	59
10:15:27 AM	54.4	56.9
10:15:37 AM	52.2	53.6
10:15:47 AM	53.1	54.5
10:15:57 AM	50.7	52.7
10:16:07 AM	55.6	56.7
10:16:17 AM	55.3	57.6
10:16:27 AM	55	57
10:16:37 AM	52	54.6
10:16:47 AM	56.9	57.9
10:16:57 AM	54.9	56.9

10:17:07 AM	57.7	60.7
10:17:17 AM	55.3	58.3
10:17:27 AM	53.6	56.4
10:17:37 AM	51	52.3
10:17:47 AM	53.7	56.3
10:17:57 AM	53.2	57.8
10:18:07 AM	55	57.7
10:18:17 AM	55	57
10:18:27 AM	59.3	63.5
10:18:37 AM	54.7	57.7
10:18:47 AM	61.9	64.4
10:18:57 AM	52.5	55.7
10:19:07 AM	52.3	53.8
10:19:17 AM	55.3	58.5
10:19:27 AM	56.5	58.9
10:19:37 AM	55.4	57.6
10:19:47 AM	53.2	55.3
10:19:57 AM	53.4	54.9
10:20:07 AM	52.5	54.8
10:20:17 AM	54.2	55.4
10:20:27 AM	56.7	59
10:20:37 AM	61	64.6
10:20:47 AM	56	57.2
10:20:57 AM	59.4	62.9
10:21:07 AM	56.2	59.5
10:21:17 AM	57.5	60.1
10:21:27 AM	55.4	58
10:21:37 AM	49.1	51.3
10:21:47 AM	53.1	59
10:21:57 AM	56.4	59.6
10:22:07 AM	53.7	56.3
10:22:17 AM	56.4	59
10:22:27 AM	58.9	60.8
10:22:37 AM	57.2	58.7
10:22:47 AM	52.4	55
10:22:57 AM	53.4	56.1
10:23:07 AM	51.4	53.7
10:23:17 AM	49.6	51.2
10:23:27 AM	49.2	50
10:23:37 AM	52.5	55
10:23:47 AM	57.6	59.1
10:23:57 AM	54.2	58.2
10:24:07 AM	54.3	56.6
10:24:17 AM	53.2	55.2
10:24:27 AM	51.7	53.7
10:24:37 AM	51.8	54.2

55.9

Time	Leq	Lmax
10:03:24 PM	54.8	56.7
10:03:34 PM	50.6	51.2
10:03:44 PM	50.5	50.9
10:03:54 PM	50.8	52.4
10:04:04 PM	50.3	51.9
10:04:14 PM	49.2	51.6
10:04:24 PM	56.5	60.7
10:04:34 PM	54.2	59.4
10:04:44 PM	50	50.5
10:04:54 PM	50.5	51.9
10:05:04 PM	51.4	52.5
10:05:14 PM	50.7	51.5
10:05:24 PM	49.6	50.9
10:05:34 PM	52.6	55.7
10:05:44 PM	50.9	52.5
10:05:54 PM	50.4	50.8
10:06:04 PM	50.8	51.5
10:06:14 PM	52.4	57.7
10:06:24 PM	54.7	58.2
10:06:34 PM	50.3	51.4
10:06:44 PM	50.5	52.1
10:06:54 PM	50.4	50.7
10:07:04 PM	50.6	51.3
10:07:14 PM	50.7	52.1
10:07:24 PM	55.1	59.1
10:07:34 PM	53.3	58.2
10:07:44 PM	51.4	52.4
10:07:54 PM	50.6	52.2
10:08:04 PM	52.1	53.2
10:08:14 PM	50.7	51.9
10:08:24 PM	49.8	50.4
10:08:34 PM	49.8	50.4
10:08:44 PM	50.8	52.1
10:08:54 PM	51.5	53.1
10:09:04 PM	50.2	51.1
10:09:14 PM	50.5	51.9
10:09:24 PM	55.4	58
10:09:34 PM	51.6	52.7
10:09:44 PM	51.6	53.6
10:09:54 PM	48.8	49
10:10:04 PM	55.3	61.9
10:10:14 PM	55.4	61.5
10:10:24 PM	51.7	53.7
10:10:34 PM	53.8	56.2
10:10:44 PM	50.6	51.2
10:10:54 PM	50.5	51.7
10:11:04 PM	55	57.6
10:11:14 PM	49.9	51.7

10:11:24 PM	49.1	49.6
10:11:34 PM	50.2	52.7
10:11:44 PM	54	56.6
10:11:54 PM	51.2	51.6
10:12:04 PM	50.5	50.9
10:12:14 PM	50.7	51.9
10:12:24 PM	54.9	56.7
10:12:34 PM	51.8	55.5
10:12:44 PM	51.1	52.6
10:12:54 PM	53	54.3
10:13:04 PM	54	55.3
10:13:14 PM	50.9	53.5
10:13:24 PM	50.3	52.2
10:13:34 PM	55.8	58.4
10:13:44 PM	52.6	56.2
10:13:54 PM	52.5	55.9
10:14:04 PM	51.2	52
10:14:14 PM	53.6	56.2
10:14:24 PM	53.2	56.6
10:14:34 PM	61.4	63.1
10:14:44 PM	55.6	60.3
10:14:54 PM	51.4	52.4
10:15:04 PM	51.6	54
10:15:14 PM	55.8	57.4
10:15:24 PM	53.9	55.1
10:15:34 PM	52.5	55.5
10:15:44 PM	48.9	49.6
10:15:54 PM	49.1	50.2
10:16:04 PM	49.7	51.1
10:16:14 PM	50.6	52.2
10:16:24 PM	57	58.7
10:16:34 PM	52.4	55.1
10:16:44 PM	54.6	57.6
10:16:54 PM	53.1	54.6
10:17:04 PM	54.9	59.5
10:17:14 PM	55.2	59.7
10:17:24 PM	49.9	50.8
10:17:34 PM	51.5	53.1
10:17:44 PM	50.5	51.6
10:17:54 PM	49.9	50.3
10:18:04 PM	51.2	52.2
10:18:14 PM	51.4	51.9

52.8

Project: Paseo Marina
 Location: R2
 Date: 2/3/2021

Time	Leq	Lmax
10:34:19 AM	55.1	56.6
10:34:29 AM	57.5	64.9
10:34:39 AM	57.2	63.5
10:34:49 AM	55.5	60.5
10:34:59 AM	54.3	59.7
10:35:09 AM	52.7	56.1
10:35:19 AM	53.1	56.7
10:35:29 AM	53.8	57.4
10:35:39 AM	56.7	59.7
10:35:49 AM	55.9	61.4
10:35:59 AM	57.9	61.6
10:36:09 AM	57.5	61.8
10:36:19 AM	52.9	56.8
10:36:29 AM	51.6	52.9
10:36:39 AM	51.2	52.5
10:36:49 AM	51.7	54.8
10:36:59 AM	52	55.4
10:37:09 AM	52.9	56.4
10:37:19 AM	52.9	56.1
10:37:29 AM	51	51.8
10:37:39 AM	53.1	55
10:37:49 AM	52.5	55.4
10:37:59 AM	52	53.2
10:38:09 AM	51.5	54.3
10:38:19 AM	51.9	55.7
10:38:29 AM	50.1	51.1
10:38:39 AM	50.7	53
10:38:49 AM	54.2	55.5
10:38:59 AM	51.4	53.1
10:39:09 AM	54.9	58.9
10:39:19 AM	52.5	57.4
10:39:29 AM	54.1	57.6
10:39:39 AM	51.9	56
10:39:49 AM	51.6	54.2
10:39:59 AM	52.4	53.9
10:40:09 AM	57.2	59
10:40:19 AM	51.3	52.9
10:40:29 AM	50.3	51
10:40:39 AM	49.9	50.4
10:40:49 AM	50.4	52.6
10:40:59 AM	58.2	63.4
10:41:09 AM	55.8	59.7
10:41:19 AM	55.9	62
10:41:29 AM	53.2	56.9

10:41:39 AM	55.6	63.8
10:41:49 AM	54.1	57.5
10:41:59 AM	56.7	58.9
10:42:09 AM	55	58.4
10:42:19 AM	52.9	57.3
10:42:29 AM	50.5	50.8
10:42:39 AM	50.9	53.3
10:42:49 AM	51.3	52.1
10:42:59 AM	52.9	56.4
10:43:09 AM	52.6	53.6
10:43:19 AM	53.4	56.5
10:43:29 AM	51.2	52.9
10:43:39 AM	52.1	53.7
10:43:49 AM	51.6	52.3
10:43:59 AM	54.6	60
10:44:09 AM	57.6	61.5
10:44:19 AM	59.6	62.1
10:44:29 AM	53.3	54.1
10:44:39 AM	52	52.8
10:44:49 AM	55.6	59.8
10:44:59 AM	54.6	58.7
10:45:09 AM	54	57.1
10:45:19 AM	57.4	63.5
10:45:29 AM	60.6	67.9
10:45:39 AM	55.9	59.5
10:45:49 AM	52.8	54.8
10:45:59 AM	56.6	58.3
10:46:09 AM	52.4	56.5
10:46:19 AM	51.7	54.2
10:46:29 AM	55	56.7
10:46:39 AM	55.4	57.8
10:46:49 AM	52.7	55.4
10:46:59 AM	53.7	57.8
10:47:09 AM	53.1	54.2
10:47:19 AM	53.7	54.5
10:47:29 AM	53.5	54.2
10:47:39 AM	52.7	54.1
10:47:49 AM	59.1	66.2
10:47:59 AM	54.8	58.7
10:48:09 AM	51.1	53
10:48:19 AM	51.2	54.4
10:48:29 AM	52.2	54.1
10:48:39 AM	50.5	51.8
10:48:49 AM	52.7	57.3
10:48:59 AM	57.9	60.5
10:49:09 AM	52	54.8

Time	Leq	Lmax
10:27:22 PM	51.3	52.1
10:27:32 PM	50.6	51.6
10:27:42 PM	50.8	54.4
10:27:52 PM	53	55.2
10:28:02 PM	51.1	52
10:28:12 PM	50.1	50.6
10:28:22 PM	49.7	50.2
10:28:32 PM	49.1	49.7
10:28:42 PM	50	52.4
10:28:52 PM	49.1	50.1
10:29:02 PM	49.4	49.8
10:29:12 PM	49.8	51.2
10:29:22 PM	50	51.4
10:29:32 PM	50.4	52.3
10:29:42 PM	49.8	50.4
10:29:52 PM	50	50.3
10:30:02 PM	49.5	50.3
10:30:12 PM	50	51
10:30:22 PM	49.9	50.7
10:30:32 PM	50.4	51.2
10:30:42 PM	50.4	51.2
10:30:52 PM	51.2	52.8
10:31:02 PM	49.1	52.4
10:31:12 PM	47.5	47.8
10:31:22 PM	51	54.3
10:31:32 PM	48.1	48.7
10:31:42 PM	49	51.4
10:31:52 PM	48.9	50
10:32:02 PM	50.4	51
10:32:12 PM	51	52.1
10:32:22 PM	50.4	52.2
10:32:32 PM	49.2	49.7
10:32:42 PM	49.7	50.6
10:32:52 PM	50.7	51.5
10:33:02 PM	49.8	50.5
10:33:12 PM	49.4	50.5
10:33:22 PM	50	50.6
10:33:32 PM	49.2	49.7
10:33:42 PM	51.2	55.1
10:33:52 PM	53	54.8
10:34:02 PM	53.5	58.5
10:34:12 PM	48.7	49.5
10:34:22 PM	47.8	48.2
10:34:32 PM	49.1	50.1
10:34:42 PM	50.3	50.8
10:34:52 PM	49.8	50.6
10:35:02 PM	49.5	49.8
10:35:12 PM	50	51.1

10:35:22 PM	48.8	50.4
10:35:32 PM	48.9	49.4
10:35:42 PM	49.9	51.3
10:35:52 PM	50.1	52
10:36:02 PM	48.2	48.7
10:36:12 PM	47.9	48.8
10:36:22 PM	48.1	48.5
10:36:32 PM	48.1	49.5
10:36:42 PM	46.7	47.8
10:36:52 PM	48	48.9
10:37:02 PM	48.7	50.8
10:37:12 PM	49	50.8
10:37:22 PM	48.7	50.1
10:37:32 PM	47.7	49.1
10:37:42 PM	47.5	48.9
10:37:52 PM	51.2	52.8
10:38:02 PM	50.1	51.5
10:38:12 PM	47.8	48.4
10:38:22 PM	48	48.3
10:38:32 PM	48.5	49.3
10:38:42 PM	49.9	50.8
10:38:52 PM	49.5	50.5
10:39:02 PM	48.1	48.7
10:39:12 PM	47.2	47.8
10:39:22 PM	47.9	48.8
10:39:32 PM	47.2	48.4
10:39:42 PM	46.8	47.2
10:39:52 PM	47.5	48.8
10:40:02 PM	48.2	49.2
10:40:12 PM	47.9	48.3
10:40:22 PM	48.1	49
10:40:32 PM	48.5	48.9
10:40:42 PM	49.7	50.8
10:40:52 PM	48.6	49.1
10:41:02 PM	48.2	48.7
10:41:12 PM	49.9	50.8
10:41:22 PM	49.9	50.3
10:41:32 PM	48.9	49.2
10:41:42 PM	48.7	49.2
10:41:52 PM	47.9	48.6
10:42:02 PM	47.8	49.1
10:42:12 PM	48.8	49.5

49.5

Project: Paseo Marina
 Location: R3
 Date: 2/3/2021

Time	Leq	Lmax
10:55:26 AM	67	69.6
10:55:36 AM	63.5	66.4
10:55:46 AM	57.9	64
10:55:56 AM	68.9	72.6
10:56:06 AM	69.7	72.9
10:56:16 AM	66.1	69.1
10:56:26 AM	60.8	64.2
10:56:36 AM	69.3	76.1
10:56:46 AM	59.9	65.5
10:56:56 AM	65.3	68.4
10:57:06 AM	68.9	72.7
10:57:16 AM	66.5	69.7
10:57:26 AM	67	68.8
10:57:36 AM	67.1	70.6
10:57:46 AM	65.6	69.6
10:57:56 AM	65.2	67.4
10:58:06 AM	66.9	69.9
10:58:16 AM	60.9	65.9
10:58:26 AM	66.6	68.1
10:58:36 AM	69	71.4
10:58:46 AM	66.6	70.2
10:58:56 AM	69.4	71.1
10:59:06 AM	68.6	71.2
10:59:16 AM	64.2	67.7
10:59:26 AM	63.6	66.3
10:59:36 AM	66.1	69.9
10:59:46 AM	63.8	68.4
10:59:56 AM	69.2	70.6
11:00:06 AM	66.4	67.8
11:00:16 AM	54.9	60.3
11:00:26 AM	61.1	65.9
11:00:36 AM	65.2	68
11:00:46 AM	67.4	70.6
11:00:56 AM	67.1	68.6
11:01:06 AM	65.2	67.5
11:01:16 AM	65.8	71.5
11:01:26 AM	64.9	69.1
11:01:36 AM	67.2	71.4
11:01:46 AM	70.3	72.9
11:01:56 AM	61	63.9
11:02:06 AM	64	69.1
11:02:16 AM	64.3	66.2
11:02:26 AM	60.3	67.7
11:02:36 AM	66.4	69.2

11:02:46 AM	66.4	68.5
11:02:56 AM	66.6	69.3
11:03:06 AM	67.5	69.7
11:03:16 AM	59.4	64.8
11:03:26 AM	66.8	68.1
11:03:36 AM	62	67.2
11:03:46 AM	63.9	67.9
11:03:56 AM	69.8	72.1
11:04:06 AM	67.3	70
11:04:16 AM	65.1	68.9
11:04:26 AM	62.7	69.6
11:04:36 AM	69.8	73.8
11:04:46 AM	68.1	71.5
11:04:56 AM	71.1	73.4
11:05:06 AM	66.9	69.4
11:05:16 AM	57.5	63.2
11:05:26 AM	63.9	67.5
11:05:36 AM	66.4	70.8
11:05:46 AM	67.9	70.2
11:05:56 AM	67.9	70
11:06:06 AM	66.5	70.6
11:06:16 AM	56.1	63.1
11:06:26 AM	66.1	68.9
11:06:36 AM	68.9	70.8
11:06:46 AM	66.6	68.7
11:06:56 AM	68.9	71
11:07:06 AM	64	66.1
11:07:16 AM	59.1	64.4
11:07:26 AM	70.3	78.8
11:07:36 AM	70.8	78.6
11:07:46 AM	65	70
11:07:56 AM	65.1	67.1
11:08:06 AM	53.1	57
11:08:16 AM	65.7	68.8
11:08:26 AM	66.1	69.1
11:08:36 AM	64.6	69.5
11:08:46 AM	65.7	68
11:08:56 AM	65.4	67.5
11:09:06 AM	63.9	66.6
11:09:16 AM	63.5	68.1
11:09:26 AM	60.1	65.9
11:09:36 AM	68.6	72.2
11:09:46 AM	62.3	68
11:09:56 AM	67.9	70.6
11:10:06 AM	59.7	65.9
11:10:16 AM	63.9	69.6

66.4

Time	Leq	Lmax
10:48:27 PM	48.4	51
10:48:37 PM	45.3	46.7
10:48:47 PM	57.7	63.3
10:48:57 PM	62.9	65.4
10:49:07 PM	60.5	64.7
10:49:17 PM	51.9	55.9
10:49:27 PM	44.9	47
10:49:37 PM	45.1	46.4
10:49:47 PM	58.6	63.9
10:49:57 PM	58.6	63
10:50:07 PM	45.4	48.6
10:50:17 PM	61.1	64.5
10:50:27 PM	57.7	64.4
10:50:37 PM	60.8	65
10:50:47 PM	46.6	48.1
10:50:57 PM	46.3	47.2
10:51:07 PM	45.5	47
10:51:17 PM	45.3	47
10:51:27 PM	44.9	45.3
10:51:37 PM	49	55.2
10:51:47 PM	60.6	63.8
10:51:57 PM	50.8	54.4
10:52:07 PM	52.6	54.8
10:52:17 PM	47.1	50.1
10:52:27 PM	50.5	54
10:52:37 PM	46.2	47.1
10:52:47 PM	46.4	47.6
10:52:57 PM	48.4	50.9
10:53:07 PM	60.9	64.8
10:53:17 PM	55.5	61.4
10:53:27 PM	46.9	47.9
10:53:37 PM	53.6	61.4
10:53:47 PM	63.7	66.6
10:53:57 PM	64.8	67
10:54:07 PM	59.3	62.3
10:54:17 PM	67.4	72.8
10:54:27 PM	58.8	67.9
10:54:37 PM	46.2	47.1
10:54:47 PM	46.8	50.1
10:54:57 PM	45.9	48.5
10:55:07 PM	43.6	44.1
10:55:17 PM	44.1	45
10:55:27 PM	45	45.4
10:55:37 PM	45.3	46.3
10:55:47 PM	46.2	49.5
10:55:57 PM	61.1	64.8
10:56:07 PM	47.2	53.3
10:56:17 PM	46.6	51.5

10:56:27 PM	44.6	46.1
10:56:37 PM	46.9	49.4
10:56:47 PM	54.1	61
10:56:57 PM	62.4	64.2
10:57:07 PM	58.5	61
10:57:17 PM	55.1	59.4
10:57:27 PM	44.6	45.2
10:57:37 PM	49.9	57.3
10:57:47 PM	49.8	55.7
10:57:57 PM	60	62.5
10:58:07 PM	51.6	55
10:58:17 PM	56.5	58.3
10:58:27 PM	47.2	50.9
10:58:37 PM	45.7	46.9
10:58:47 PM	46.9	47.8
10:58:57 PM	50.1	53.4
10:59:07 PM	59.5	62.4
10:59:17 PM	52.4	56.3
10:59:27 PM	49.3	55.1
10:59:37 PM	49.3	53.5
10:59:47 PM	50	53
10:59:57 PM	46.1	47.6
11:00:07 PM	48.9	51.6
11:00:17 PM	51.2	57.9
11:00:27 PM	61.8	65.3
11:00:37 PM	47.6	51
11:00:47 PM	48.9	52.7
11:00:57 PM	59.2	61.9
11:01:07 PM	58.1	60.7
11:01:17 PM	54	57.4
11:01:27 PM	49	50.5
11:01:37 PM	54	62.6
11:01:47 PM	66.5	69.3
11:01:57 PM	63.3	65.6
11:02:07 PM	62.6	66.9
11:02:17 PM	48.3	51.6
11:02:27 PM	47.3	50.3
11:02:37 PM	47.8	49.7
11:02:47 PM	48.2	52.2
11:02:57 PM	59.7	62.2
11:03:07 PM	53.9	59.9
11:03:17 PM	47.3	47.9

57.2

Project: Paseo Marina
 Location: R4
 Date: 2/3/2021

Time	Leq	Lmax
11:16:11 AM	63.3	68.9
11:16:21 AM	62.5	65.7
11:16:31 AM	62.2	63.9
11:16:41 AM	69.4	73.8
11:16:51 AM	69.9	73.8
11:17:01 AM	67	70.2
11:17:11 AM	68.6	70.6
11:17:21 AM	67	69.3
11:17:31 AM	65.9	67.4
11:17:41 AM	68.4	72.1
11:17:51 AM	70.3	71.8
11:18:01 AM	66	68.3
11:18:11 AM	63.1	65.2
11:18:21 AM	60.6	63
11:18:31 AM	63	67.2
11:18:41 AM	62.3	66.4
11:18:51 AM	66.4	68.1
11:19:01 AM	60.9	64.1
11:19:11 AM	58.5	61.1
11:19:21 AM	57.4	58.9
11:19:31 AM	57	58.9
11:19:41 AM	68.8	73.3
11:19:51 AM	67	68.3
11:20:01 AM	69	70
11:20:11 AM	66.9	69.8
11:20:21 AM	61.7	67.3
11:20:31 AM	54.5	55.6
11:20:41 AM	60.4	65.3
11:20:51 AM	68.2	71.4
11:21:01 AM	68.9	71.7
11:21:11 AM	68.3	72.8
11:21:21 AM	63.3	70.2
11:21:31 AM	68.7	71.9
11:21:41 AM	66.5	70.1
11:21:51 AM	66.9	67.7
11:22:01 AM	65.7	66.8
11:22:11 AM	65.5	66.9
11:22:21 AM	67.3	69.2
11:22:31 AM	63.1	69.1
11:22:41 AM	63.3	67.4
11:22:51 AM	67.9	68.9
11:23:01 AM	69.3	71.7
11:23:11 AM	63.1	64.9
11:23:21 AM	62.3	64.5

11:23:31 AM	58	60.7
11:23:41 AM	64.8	68.9
11:23:51 AM	67.2	69
11:24:01 AM	68.4	71
11:24:11 AM	74.6	78.8
11:24:21 AM	66.8	75.1
11:24:31 AM	58.5	59.3
11:24:41 AM	63.6	67.8
11:24:51 AM	66.8	68.3
11:25:01 AM	67.3	69
11:25:11 AM	66.6	72.7
11:25:21 AM	69	72.8
11:25:31 AM	60.3	62.4
11:25:41 AM	65.9	68.8
11:25:51 AM	67.1	67.8
11:26:01 AM	64.9	67.2
11:26:11 AM	64.5	66.6
11:26:21 AM	60.9	63.2
11:26:31 AM	59.6	61.1
11:26:41 AM	63.9	67.4
11:26:51 AM	68.1	69.6
11:27:01 AM	66.1	70.3
11:27:11 AM	63.8	66
11:27:21 AM	67.2	70.9
11:27:31 AM	66.3	69.3
11:27:41 AM	64.2	67
11:27:51 AM	60	61.8
11:28:01 AM	66.3	70
11:28:11 AM	63.9	66.6
11:28:21 AM	59.5	62.6
11:28:31 AM	61	65.5
11:28:41 AM	64	68.8
11:28:51 AM	67.9	69.4
11:29:01 AM	66.2	68.7
11:29:11 AM	68.6	70.9
11:29:21 AM	67.9	71
11:29:31 AM	64	67.5
11:29:41 AM	68.6	72.7
11:29:51 AM	71.5	80.5
11:30:01 AM	72.9	80.7
11:30:11 AM	60.9	65.4
11:30:21 AM	63.4	65.4
11:30:31 AM	59.9	60.8
11:30:41 AM	63.5	67.5
11:30:51 AM	69.8	71.8
11:31:01 AM	69.3	70.7

66.6

Time	Leq	Lmax
11:07:27 PM	49.9	52.8
11:07:37 PM	56.4	58.8
11:07:47 PM	67.7	71.3
11:07:57 PM	64.9	69.9
11:08:07 PM	58.7	62.6
11:08:17 PM	50	52.3
11:08:27 PM	49.7	52
11:08:37 PM	57.2	59.4
11:08:47 PM	59.9	62.2
11:08:57 PM	54.4	58.2
11:09:07 PM	47.7	50.2
11:09:17 PM	56	59.2
11:09:27 PM	51	56.7
11:09:37 PM	49.2	51.3
11:09:47 PM	59.1	61.4
11:09:57 PM	52.4	56.7
11:10:07 PM	53.8	55.8
11:10:17 PM	49.6	50.7
11:10:27 PM	52.2	55.9
11:10:37 PM	60.3	65
11:10:47 PM	64.4	68.6
11:10:57 PM	64.3	69.6
11:11:07 PM	53.7	60.7
11:11:17 PM	60.6	63.2
11:11:27 PM	50.5	53.6
11:11:37 PM	53.6	55
11:11:47 PM	62.9	67.5
11:11:57 PM	61.6	67.2
11:12:07 PM	48.2	50.5
11:12:17 PM	51.7	55.5
11:12:27 PM	55.4	56.9
11:12:37 PM	54.3	57.2
11:12:47 PM	63.8	66.8
11:12:57 PM	51.5	56.8
11:13:07 PM	47.5	48.4
11:13:17 PM	47.6	49.9
11:13:27 PM	50.6	52.1
11:13:37 PM	51.1	54.9
11:13:47 PM	57.5	59.5
11:13:57 PM	50.3	54.2
11:14:07 PM	55.2	60.3
11:14:17 PM	55.7	59.5
11:14:27 PM	56.3	59.8
11:14:37 PM	55	56.7
11:14:47 PM	55	58.5
11:14:57 PM	57.3	60.1
11:15:07 PM	58.1	60.8
11:15:17 PM	51	53.1

11:15:27 PM	48.7	49.8
11:15:37 PM	49.3	51.8
11:15:47 PM	56.1	59
11:15:57 PM	57.3	61
11:16:07 PM	60.6	62.3
11:16:17 PM	59.4	59.6
11:16:27 PM	59.5	59.8
11:16:37 PM	61.9	67.6
11:16:47 PM	69.4	73.2
11:16:57 PM	69.6	72.5
11:17:07 PM	65	69
11:17:17 PM	54.6	56.9
11:17:27 PM	52	54.1
11:17:37 PM	48.5	51.9
11:17:47 PM	61.9	64
11:17:57 PM	58.8	62.4
11:18:07 PM	48.3	51.3
11:18:17 PM	46.2	46.8
11:18:27 PM	46.1	47
11:18:37 PM	47.8	49.4
11:18:47 PM	47.4	48.2
11:18:57 PM	46.1	47
11:19:07 PM	53.1	57.6
11:19:17 PM	58.8	61.4
11:19:27 PM	52.3	56.2
11:19:37 PM	56.4	59.3
11:19:47 PM	55.6	57.3
11:19:57 PM	57.9	61.7
11:20:07 PM	61.5	63.7
11:20:17 PM	61.6	62.8
11:20:27 PM	60.2	62.9
11:20:37 PM	55.8	57.5
11:20:47 PM	52.8	57.3
11:20:57 PM	54.2	59.1
11:21:07 PM	47.8	50.9
11:21:17 PM	47.3	48
11:21:27 PM	47.7	48.4
11:21:37 PM	50.4	53.1
11:21:47 PM	49.9	51.6
11:21:57 PM	49.9	52
11:22:07 PM	45.9	46.5
11:22:17 PM	60	66.3

59.0

Project: Paseo Marina
 Location: R5
 Date: 2/3/2021

Time	Leq	Lmax
11:36:40 AM	66.9	70.8
11:36:50 AM	64.7	67.1
11:37:00 AM	64.2	66.8
11:37:10 AM	64.5	66.8
11:37:20 AM	58.6	61.6
11:37:30 AM	59.1	67
11:37:40 AM	65.3	70.1
11:37:50 AM	62.5	65.9
11:38:00 AM	60.4	65.1
11:38:10 AM	62	64.7
11:38:20 AM	64.1	66.5
11:38:30 AM	56.3	59.8
11:38:40 AM	54.9	57.5
11:38:50 AM	60.6	64.1
11:39:00 AM	62.9	66.2
11:39:10 AM	58.3	61.2
11:39:20 AM	59	61.6
11:39:30 AM	67.1	72.3
11:39:40 AM	71.6	73.8
11:39:50 AM	66.1	71.7
11:40:00 AM	66.6	69.7
11:40:10 AM	68.2	72.2
11:40:20 AM	57.5	61.7
11:40:30 AM	63.8	68.9
11:40:40 AM	63.5	67.1
11:40:50 AM	61.9	66.1
11:41:00 AM	62	66.1
11:41:10 AM	60.6	62
11:41:20 AM	68	70.6
11:41:30 AM	67.1	70.8
11:41:40 AM	64.9	69.6
11:41:50 AM	62	64.5
11:42:00 AM	67.5	70.7
11:42:10 AM	71.6	75.4
11:42:20 AM	68.3	71.7
11:42:30 AM	63.1	68.5
11:42:40 AM	58.4	59.4
11:42:50 AM	63.9	67.5
11:43:00 AM	62.6	67.8
11:43:10 AM	62.1	65.3
11:43:20 AM	58.4	63
11:43:30 AM	55.6	58.3
11:43:40 AM	60.5	67.3
11:43:50 AM	63.9	67.3

11:44:00 AM	59.1	61
11:44:10 AM	64.6	68.3
11:44:20 AM	66.6	70.3
11:44:30 AM	62.2	70.8
11:44:40 AM	66.8	71.7
11:44:50 AM	64.4	66.5
11:45:00 AM	63.2	66.2
11:45:10 AM	66.9	70.3
11:45:20 AM	62.8	65.7
11:45:30 AM	65.3	69.3
11:45:40 AM	60.8	63.2
11:45:50 AM	64.2	67
11:46:00 AM	64.5	66.3
11:46:10 AM	65.3	70.2
11:46:20 AM	64.9	70
11:46:30 AM	61.6	66.9
11:46:40 AM	64.5	66.4
11:46:50 AM	63.4	66.6
11:47:00 AM	62.5	65
11:47:10 AM	64.6	66.6
11:47:20 AM	66.4	70.2
11:47:30 AM	66	69.3
11:47:40 AM	58.4	63
11:47:50 AM	59	62.9
11:48:00 AM	64.5	67.4
11:48:10 AM	65.6	67.7
11:48:20 AM	64	67.3
11:48:30 AM	64.2	65.9
11:48:40 AM	64	66.9
11:48:50 AM	61	62.4
11:49:00 AM	62.4	65.2
11:49:10 AM	62.7	65.5
11:49:20 AM	59	60.4
11:49:30 AM	66	69.3
11:49:40 AM	66	67.9
11:49:50 AM	63.1	64.7
11:50:00 AM	64.7	66.1
11:50:10 AM	66.1	68.4
11:50:20 AM	60.3	64
11:50:30 AM	63.1	66.2
11:50:40 AM	65.7	72.8
11:50:50 AM	66.8	72.7
11:51:00 AM	59.5	60.8
11:51:10 AM	66.7	70.7
11:51:20 AM	66	68.8
11:51:30 AM	59.9	62.8

Time	Leq	Lmax
11:28:36 PM	52.5	56.6
11:28:46 PM	62.9	67.4
11:28:56 PM	59.2	63.1
11:29:06 PM	57.5	62.5
11:29:16 PM	54.2	55.1
11:29:26 PM	60.2	62.8
11:29:36 PM	55.8	59.2
11:29:46 PM	57	60.7
11:29:56 PM	59.7	61.9
11:30:06 PM	66.4	73.3
11:30:16 PM	63.8	71.6
11:30:26 PM	52.9	55.4
11:30:36 PM	52	52.9
11:30:46 PM	51.3	52.7
11:30:56 PM	52.1	54
11:31:06 PM	52.1	53.6
11:31:16 PM	51.8	53
11:31:26 PM	52.3	60.7
11:31:36 PM	53.9	59.8
11:31:46 PM	57.3	63.3
11:31:56 PM	58.3	63.7
11:32:06 PM	51.7	53.3
11:32:16 PM	52.4	54
11:32:26 PM	52.4	54.3
11:32:36 PM	52.1	53.5
11:32:46 PM	52.1	53.7
11:32:56 PM	50.8	51.9
11:33:06 PM	51.9	58.2
11:33:16 PM	64.4	69.8
11:33:26 PM	62.8	69
11:33:36 PM	52.9	55.8
11:33:46 PM	51.5	54.3
11:33:56 PM	53.7	55.7
11:34:06 PM	52.4	53.5
11:34:16 PM	53.3	55.2
11:34:26 PM	52.8	53.8
11:34:36 PM	54.9	59.2
11:34:46 PM	53.7	57
11:34:56 PM	53.3	56.3
11:35:06 PM	54.7	56.3
11:35:16 PM	54.3	55.6
11:35:26 PM	54.5	57.8
11:35:36 PM	63.1	65.7
11:35:46 PM	62.6	65.9
11:35:56 PM	53.7	54.7
11:36:06 PM	55.2	57.9
11:36:16 PM	56.2	58.3
11:36:26 PM	55	55.8

11:36:36 PM	58.2	61.1
11:36:46 PM	59.3	60.9
11:36:56 PM	53.9	55.8
11:37:06 PM	54.2	56.7
11:37:16 PM	59.8	61.9
11:37:26 PM	57.4	59.8
11:37:36 PM	55.7	57.2
11:37:46 PM	56.4	58
11:37:56 PM	58.8	61.5
11:38:06 PM	54.8	58.7
11:38:16 PM	53.5	55.7
11:38:26 PM	62.1	66.9
11:38:36 PM	53.3	54.9
11:38:46 PM	52.6	54.1
11:38:56 PM	54.8	58
11:39:06 PM	52.2	53.6
11:39:16 PM	55.1	57.7
11:39:26 PM	53.3	57.2
11:39:36 PM	51.5	52.9
11:39:46 PM	51.4	52.6
11:39:56 PM	52.8	56.8
11:40:06 PM	58.7	60.7
11:40:16 PM	56.3	60.5
11:40:26 PM	51.7	52.7
11:40:36 PM	51.6	53.3
11:40:46 PM	60.8	68.7
11:40:56 PM	62.1	68.8
11:41:06 PM	51.3	53
11:41:16 PM	51.6	53.6
11:41:26 PM	50.5	51.2
11:41:36 PM	50.7	51.5
11:41:46 PM	51.3	53.1
11:41:56 PM	50.9	53.1
11:42:06 PM	49.8	51.1
11:42:16 PM	50.3	52.1
11:42:26 PM	54.2	55.8
11:42:36 PM	53.9	54.9
11:42:46 PM	53.6	55.4
11:42:56 PM	51.4	52.7
11:43:06 PM	51.8	53.4
11:43:16 PM	51.6	53.3
11:43:26 PM	51.6	52.6

57.0

Construction Noise & Vibration Calculations

Project: Paseo Marina Project EIR

FROM SPREADSHEET

OPTION A - BUILDING 1

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 1	Building Construction - Building 1	Paving/ Landscape - Building 1
R1		40	86.6	84.1	85.0	84.2	85.1
R2		125	78.3	76.5	77.9	75.8	77.4
R3		90	80.6	78.7	70.4	67.5	69.4
R4		130	78.0	76.3	70.2	67.3	69.2

OPTION A - BUILDING 2

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 2	Building Construction - Building 2	Paving/ Landscape - Building 2
R1		245	0.0	0.0	73.9	71.5	73.2
R2		320	0.0	0.0	76.2	72.8	75.5
R3		135	0.0	0.0	78.0	76.3	77.7
R4		135	0.0	0.0	78.0	76.3	77.7

OPTION A - BUILDING 3

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 3	Building Construction - Building 3	Paving/ Landscape - Building 3
R1		425	0.0	0.0	69.9	67.0	68.9
R2		270	0.0	0.0	76.4	73.3	75.7
R3		105	0.0	0.0	79.7	78.3	79.5
R4		405	0.0	0.0	70.2	67.4	69.3

OPTION A - OVERLAPPING

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demo & Grading	Grading, Podium 1, Podium2	Grading, Podium 2, Podium 3, Const 1	Podium 3, Const 1, Const 2	Const. 2, Const. 3, Paving 1
R1		40	88.6	87.8	87.4	84.6	85.3
R2		125	80.5	81.7	82.3	80.1	79.8
R3		90	82.8	81.7	83.8	81.5	80.7
R4		130	80.2	80.6	80.8	77.7	77.5

OPTION B - BUILDING 1

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 1	Building Construction - Building 1	Paving/ Landscape - Building 1
R1		40	86.6	84.1	84.3	83.4	84.3
R2		125	78.3	76.5	77.7	75.6	77.3
R3		90	80.6	78.7	70.0	67.2	69.1
R4		130	78.0	76.3	69.8	66.9	68.8

OPTION B - BUILDING 2

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 2	Building Construction - Building 2	Paving/ Landscape - Building 2
R1		55	0.0	0.0	84.3	83.4	84.3
R2		345	0.0	0.0	76.1	72.6	75.4
R3		350	0.0	0.0	71.3	68.6	70.4
R4		245	0.0	0.0	73.9	71.5	73.2

OPTION B - BUILDING 3

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 3	Building Construction - Building 3	Paving/ Landscape - Building 3
R1		340	0.0	0.0	71.6	68.9	70.6
R2		215	0.0	0.0	76.9	74.1	76.2
R3		170	0.0	0.0	76.5	74.4	75.9
R4		150	0.0	0.0	77.3	75.4	76.9

OPTION B - OVERLAPPING

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Closest Distance	Demo & Grading	Grading, Podium 1, Podium3	Grading, Podium 1, Podium 2, Const. 3	Podium 2, Const. 1, Const. 3	Const. 1, Const. 2, Paving 3
R1		40	88.6	87.3	89.0	87.0	86.6
R2		125	80.5	81.8	82.3	80.1	79.9
R3		90	82.8	81.1	81.0	76.7	77.1
R4		130	80.2	80.2	80.5	78.1	78.3

MITIGATION MEASURES

OPTION A - BUILDING 1

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 1	Building Construction - Building 1	Paving/ Landscape - Building 1
R1	20	40	66.6	64.1	65.0	64.2	65.1
R2	20	125	58.3	56.5	57.9	55.8	57.4
R3	13	90	67.6	65.7	57.4	54.5	56.4
R4	8	130	70.0	68.3	62.2	59.3	61.2

OPTION A - BUILDING 2

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 2	Building Construction - Building 2	Paving/ Landscape - Building 2
R1	20	245	0.0	0.0	53.9	51.5	53.2
R2	20	320	0.0	0.0	56.2	52.8	55.5
R3	13	135	0.0	0.0	65.0	63.3	64.7
R4	8	135	0.0	0.0	70.0	68.3	69.7

OPTION A - BUILDING 3

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 3	Building Construction - Building 3	Paving/ Landscape - Building 3
R1	20	425	0.0	0.0	49.9	47.0	48.9
R2	20	270	0.0	0.0	56.4	53.3	55.7
R3	13	105	0.0	0.0	66.7	65.3	66.5
R4	8	405	0.0	0.0	62.2	59.4	61.3

OPTION A - OVERLAPPING

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demo & Grading	Grading, Podium 1, Podium2	Grading, Podium 2, Podium 3, Const 1	Podium 3, Const 1, Const 2	Const. 2, Const. 3, Paving 1
R1	20	40	68.6	67.8	67.4	64.6	65.3
R2	20	125	60.5	61.7	62.3	60.1	59.8
R3	13	90	69.8	68.7	70.8	68.5	67.7
R4	8	130	72.2	72.6	72.8	69.7	69.5

OPTION B - BUILDING 1

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 1	Building Construction - Building 1	Paving/ Landscape - Building 1
R1	20	40	66.6	64.1	64.3	63.4	64.3
R2	20	125	58.3	56.5	57.7	55.6	57.3
R3	12	90	68.6	66.7	58.0	55.2	57.1
R4	8	130	70.0	68.3	61.8	58.9	60.8

OPTION B - BUILDING 2

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 2	Building Construction - Building 2	Paving/ Landscape - Building 2
R1	20	55	0.0	0.0	64.3	63.4	64.3
R2	20	345	0.0	0.0	56.1	52.6	55.4
R3	12	350	0.0	0.0	59.3	56.6	58.4
R4	8	245	0.0	0.0	65.9	63.5	65.2

OPTION B - BUILDING 3

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demolition	Grading / Excavation	Foundation, Building 3	Building Construction - Building 3	Paving/ Landscape - Building 3
R1	20	340	0.0	0.0	51.6	48.9	50.6
R2	20	215	0.0	0.0	56.9	54.1	56.2
R3	12	170	0.0	0.0	64.5	62.4	63.9
R4	8	150	0.0	0.0	69.3	67.4	68.9

OPTION B - OVERLAPPING

Estimated Construction Noise Levels, dBA Leq

Rec.	Mitigation Measures Noise Reduction	Closest Distance	Demo & Grading	Grading, Podium 1, Podium3	Grading, Podium 1, Podium 2, Const. 3	Podium 2, Const. 1, Const. 3	Const. 1, Const. 2, Paving 3
R1	20	40	68.6	67.3	69.0	67.0	66.6
R2	20	125	60.5	61.8	62.3	60.1	59.9
R3	12	90	70.8	69.1	69.0	64.7	65.1
R4	8	130	72.2	72.2	72.5	70.1	70.3

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	40	0
Rubber Tired Loader	1	79	40%	40	0
Air Compressor	1	78	40%	65	0
Tractor/Loader/Backhoe	1	79	40%	65	0
Skid Steer Loader	1	79	40%	90	0
Water Truck/Sweeper	1	81	10%	90	0
Excavators	1	81	40%	115	0
Welder	1	74	40%	115	0
Concrete Saw	1	90	20%	140	0
Dewatering Equipment	1	81	50%	140	0
Signal Boards	1	73	50%	165	0
Crusing/Proc. Equipment	1	76	50%	165	0
Signal Boards	1	73	50%	190	0
Excavators	1	81	40%	190	0

14

Receptor: *R1*

Results:

1-hour Leq: 86.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	40	0
Excavator	1	81	40%	40	0
Crane	1	81	16%	65	0
Cement and Mortar Mixers	1	80	50%	65	0
Dewatering Equipment	1	81	50%	90	0
Water Truck/Sweeper	1	81	10%	90	0
Tractor/Loader/Backhoe	1	79	40%	115	0
Rubber Tired Loader	1	79	40%	115	0
Welders	1	74	40%	140	0
Skid Steer Loader	1	79	40%	140	0
Bore/Drill Rig	1	84	20%	165	0
Signal Boards	2	73	50%	165	0
Excavator	1	81	40%	190	0
Rollers	2	80	20%	190	0
Rubber Tired Loader	1	79	40%	215	0
Generator Set	1	81	50%	215	0
Welders	1	74	40%	190	0

19

Receptor: *R1*

Results:

1-hour Leq: 84.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	50	0
Concrete Saw	1	90	20%	50	0
Crane (tower)	1	81	16%	75	0
Cement and Mortar Mixers	1	80	50%	75	0
Plate Compactors	1	83	20%	100	0
Air Compressor	1	78	40%	100	0
Forklift	1	75	20%	125	0
Water Truck/Sweeper	1	81	10%	125	0
Dewatering Equipment	1	81	50%	150	0
Signal Boards	2	73	50%	150	0
Skid Steer Loader	1	79	40%	175	0
Welders	2	74	40%	175	0
Concrete Saw	1	90	20%	200	0
Cement and Mortar Mixers	2	80	50%	200	0
Plate Compactors	1	83	20%	225	0
Forklift	1	75	20%	225	0
Concrete Saw	1	90	20%	200	0

20

Receptor: *R1*

Results:

1-hour Leq: 85.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	50	0
Concrete Saw	1	90	20%	50	0
Crane (tower)	1	81	16%	75	0
Rubber Tired Loader	1	79	40%	75	0
Air Compressor	1	78	40%	100	0
Forklift	1	75	20%	100	0
Water Truck/Sweeper	1	81	10%	125	0
Signal Boards	1	73	50%	125	0
Skid Steer Loader	1	79	40%	150	0
Welders	1	74	40%	150	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	175	0
Signal Boards	1	73	50%	200	0
Welders	1	74	40%	200	0
Air Compressor	1	78	40%	225	0
Forklift	1	75	20%	225	0

16

Receptor: *R1*

Results:

1-hour Leq: 84.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	50	0
Concrete Saw	1	90	20%	50	0
Paver	1	77	50%	75	0
Cement and Mortar Mixers	1	80	50%	75	0
Plate Compactors	2	83	20%	100	0
Air Compressor	2	78	40%	100	0
Forklift	2	75	20%	125	0
Water Truck/Sweeper	1	81	10%	125	0
Paving Equipment	1	77	50%	150	0
Signal Boards	2	73	50%	150	0
Tractor/Loader/Backhoe	1	79	40%	175	0
Skid Steer Loader	1	79	40%	175	0
Roller	1	80	20%	200	0
Trencher	1	80	50%	200	0
Welders	1	74	40%	225	0
Crane (mobile)	1	81	16%	225	0
Cement and Mortar Mixers	1	80	50%	200	0

21

Receptor: *R1*

Results:

1-hour Leq: 85.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	245	0
Concrete Saw	1	90	20%	245	0
Crane (tower)	1	81	16%	270	0
Cement and Mortar Mixers	1	80	50%	270	0
Plate Compactors	1	83	20%	295	0
Air Compressor	1	78	40%	295	0
Forklift	1	75	20%	320	0
Signal Boards	1	73	50%	320	0
Dewatering Equipment	1	81	50%	345	0
Signal Boards	1	73	50%	345	0
Skid Steer Loader	1	79	40%	370	0
Welders	2	74	40%	370	0
Concrete Saw	1	90	20%	395	0
Cement and Mortar Mixers	2	80	50%	395	0
Plate Compactors	1	83	20%	420	0
Forklift	1	75	20%	420	0
Concrete Saw	1	90	20%	395	0

19

Receptor: *R1*

Results:
1-hour Leq: 73.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	245	0
Concrete Saw	1	90	20%	245	0
Crane (tower)	1	81	16%	270	0
Rubber Tired Loader	1	79	40%	270	0
Air Compressor	1	78	40%	295	0
Forklift	1	75	20%	295	0
Water Truck/Sweeper	1	81	10%	320	0
Signal Boards	1	73	50%	320	0
Skid Steer Loader	1	79	40%	345	0
Welders	1	74	40%	345	0
Air Compressor	1	78	40%	370	0
Forklift	1	75	20%	370	0
Signal Boards	1	73	50%	395	0
Welders	1	74	40%	395	0
Air Compressor	1	78	40%	420	0
Forklift	1	75	20%	420	0

16

Receptor: *R1*

Results:

1-hour Leq: 71.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	245	0
Concrete Saw	1	90	20%	245	0
Paver	1	77	50%	270	0
Cement and Mortar Mixers	1	80	50%	270	0
Plate Compactors	2	83	20%	295	0
Air Compressor	2	78	40%	295	0
Forklift	2	75	20%	320	0
Water Truck/Sweeper	1	81	10%	320	0
Paving Equipment	1	77	50%	345	0
Signal Boards	2	73	50%	345	0
Tractor/Loader/Backhoe	1	79	40%	370	0
Skid Steer Loader	1	79	40%	370	0
Roller	1	80	20%	395	0
Trencher	1	80	50%	395	0
Welders	1	74	40%	420	0
Crane (mobile)	1	81	16%	420	0
Cement and Mortar Mixers	1	80	50%	395	0

21

Receptor: *R1*

Results:

1-hour Leq: 73.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	425	0
Concrete Saw	1	90	20%	425	0
Crane (tower)	1	81	16%	450	0
Cement and Mortar Mixers	1	80	50%	450	0
Plate Compactors	1	83	20%	475	0
Air Compressor	1	78	40%	475	0
Forklift	1	75	20%	500	0
Signal Boards	1	73	50%	500	0
Dewatering Equipment	1	81	50%	525	0
Signal Boards	1	73	50%	525	0
Skid Steer Loader	1	79	40%	550	0
Welders	2	74	40%	550	0
Concrete Saw	1	90	20%	575	0
Cement and Mortar Mixers	2	80	50%	575	0
Plate Compactors	1	83	20%	600	0
Forklift	1	75	20%	600	0
Concrete Saw	1	90	20%	575	0

19

Receptor: *R1*

Results:
1-hour Leq: 69.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	425	0
Concrete Saw	1	90	20%	425	0
Crane (tower)	1	81	16%	450	0
Rubber Tired Loader	1	79	40%	450	0
Air Compressor	1	78	40%	475	0
Forklift	1	75	20%	475	0
Water Truck/Sweeper	1	81	10%	500	0
Signal Boards	1	73	50%	500	0
Skid Steer Loader	1	79	40%	525	0
Welders	1	74	40%	525	0
Air Compressor	1	78	40%	550	0
Forklift	1	75	20%	550	0
Signal Boards	1	73	50%	575	0
Welders	1	74	40%	575	0
Air Compressor	1	78	40%	600	0
Forklift	1	75	20%	600	0

16

Receptor: ***R1***

Results:
1-hour Leq: 67.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	425	0
Concrete Saw	1	90	20%	425	0
Paver	1	77	50%	450	0
Cement and Mortar Mixers	1	80	50%	450	0
Plate Compactors	2	83	20%	475	0
Air Compressor	2	78	40%	475	0
Forklift	2	75	20%	500	0
Water Truck/Sweeper	1	81	10%	500	0
Paving Equipment	1	77	50%	525	0
Signal Boards	2	73	50%	525	0
Tractor/Loader/Backhoe	1	79	40%	550	0
Skid Steer Loader	1	79	40%	550	0
Roller	1	80	20%	575	0
Trencher	1	80	50%	575	0
Welders	1	74	40%	600	0
Crane (mobile)	1	81	16%	600	0
Cement and Mortar Mixers	1	80	50%	575	0

21

Receptor: *R1*

Results:

1-hour Leq: 68.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	40	0
Rubber Tired Loader	1	79	40%	40	0
Air Compressor	1	78	40%	65	0
Tractor/Loader/Backhoe	1	79	40%	65	0
Skid Steer Loader	1	79	40%	90	0
Water Truck/Sweeper	1	81	10%	90	0
Excavators	1	81	40%	115	0
Welder	1	74	40%	115	0
Concrete Saw	1	90	20%	140	0
Dewatering Equipment	1	81	50%	140	0
Signal Boards	1	73	50%	165	0
Crusing/Proc. Equipment	1	76	50%	165	0
Signal Boards	1	73	50%	190	0
Excavators	1	81	40%	190	0

14

Receptor: *R1*

Results:

1-hour Leq: 86.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	40	0
Excavator	1	81	40%	40	0
Crane	1	81	16%	65	0
Cement and Mortar Mixers	1	80	50%	65	0
Dewatering Equipment	1	81	50%	90	0
Water Truck/Sweeper	1	81	10%	90	0
Tractor/Loader/Backhoe	1	79	40%	115	0
Rubber Tired Loader	1	79	40%	115	0
Welders	1	74	40%	140	0
Skid Steer Loader	1	79	40%	140	0
Bore/Drill Rig	1	84	20%	165	0
Signal Boards	2	73	50%	165	0
Excavator	1	81	40%	190	0
Rollers	2	80	20%	190	0
Rubber Tired Loader	1	79	40%	215	0
Generator Set	1	81	50%	215	0
Welders	1	74	40%	190	0

19

Receptor: *R1*

Results:

1-hour Leq: 84.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	340	0
Concrete Saw	1	90	20%	340	0
Crane (tower)	1	81	16%	365	0
Rubber Tired Loader	1	79	40%	365	0
Air Compressor	1	78	40%	390	0
Forklift	1	75	20%	390	0
Water Truck/Sweeper	1	81	10%	415	0
Signal Boards	1	73	50%	415	0
Skid Steer Loader	1	79	40%	440	0
Welders	1	74	40%	440	0
Air Compressor	1	78	40%	465	0
Forklift	1	75	20%	465	0
Signal Boards	1	73	50%	490	0
Welders	1	74	40%	490	0
Air Compressor	1	78	40%	515	0
Forklift	1	75	20%	515	0

16

Receptor: *R1*

Results:

1-hour Leq: 68.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1
Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	55	0
Concrete Saw	1	90	20%	55	0
Crane (tower)	1	81	16%	80	0
Rubber Tired Loader	1	79	40%	80	0
Air Compressor	1	78	40%	105	0
Forklift	1	75	20%	105	0
Water Truck/Sweeper	1	81	10%	130	0
Signal Boards	1	73	50%	130	0
Skid Steer Loader	1	79	40%	155	0
Welders	1	74	40%	155	0
Air Compressor	1	78	40%	180	0
Forklift	1	75	20%	180	0
Signal Boards	1	73	50%	205	0
Welders	1	74	40%	205	0
Air Compressor	1	78	40%	230	0
Forklift	1	75	20%	230	0

16

Receptor: *R1*

Results:

1-hour Leq: 83.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1
Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	55	0
Concrete Saw	1	90	20%	55	0
Paver	1	77	50%	80	0
Cement and Mortar Mixers	1	80	50%	80	0
Plate Compactors	2	83	20%	105	0
Air Compressor	2	78	40%	105	0
Forklift	2	75	20%	130	0
Water Truck/Sweeper	1	81	10%	130	0
Paving Equipment	1	77	50%	155	0
Signal Boards	2	73	50%	155	0
Tractor/Loader/Backhoe	1	79	40%	180	0
Skid Steer Loader	1	79	40%	180	0
Roller	1	80	20%	205	0
Trencher	1	80	50%	205	0
Welders	1	74	40%	230	0
Crane (mobile)	1	81	16%	230	0
Cement and Mortar Mixers	1	80	50%	205	0

21

Receptor: *R1*

Results:

1-hour Leq: 84.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	55	0
Concrete Saw	1	90	20%	55	0
Crane (tower)	1	81	16%	80	0
Cement and Mortar Mixers	1	80	50%	80	0
Plate Compactors	1	83	20%	105	0
Air Compressor	1	78	40%	105	0
Forklift	1	75	20%	130	0
Signal Boards	1	73	50%	130	0
Dewatering Equipment	1	81	50%	155	0
Signal Boards	1	73	50%	155	0
Skid Steer Loader	1	79	40%	180	0
Welders	2	74	40%	180	0
Concrete Saw	1	90	20%	205	0
Cement and Mortar Mixers	2	80	50%	205	0
Plate Compactors	1	83	20%	230	0
Forklift	1	75	20%	230	0
Concrete Saw	1	90	20%	205	0

19

Receptor: *R1*

Results:
1-hour Leq: 84.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	55	0
Concrete Saw	1	90	20%	55	0
Crane (tower)	1	81	16%	80	0
Rubber Tired Loader	1	79	40%	80	0
Air Compressor	1	78	40%	105	0
Forklift	1	75	20%	105	0
Water Truck/Sweeper	1	81	10%	130	0
Signal Boards	1	73	50%	130	0
Skid Steer Loader	1	79	40%	155	0
Welders	1	74	40%	155	0
Air Compressor	1	78	40%	180	0
Forklift	1	75	20%	180	0
Signal Boards	1	73	50%	205	0
Welders	1	74	40%	205	0
Air Compressor	1	78	40%	230	0
Forklift	1	75	20%	230	0

16

Receptor: *R1*

Results:

1-hour Leq: 83.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	55	0
Concrete Saw	1	90	20%	55	0
Paver	1	77	50%	80	0
Cement and Mortar Mixers	1	80	50%	80	0
Plate Compactors	2	83	20%	105	0
Air Compressor	2	78	40%	105	0
Forklift	2	75	20%	130	0
Water Truck/Sweeper	1	81	10%	130	0
Paving Equipment	1	77	50%	155	0
Signal Boards	2	73	50%	155	0
Tractor/Loader/Backhoe	1	79	40%	180	0
Skid Steer Loader	1	79	40%	180	0
Roller	1	80	20%	205	0
Trencher	1	80	50%	205	0
Welders	1	74	40%	230	0
Crane (mobile)	1	81	16%	230	0
Cement and Mortar Mixers	1	80	50%	205	0

21

Receptor: *R1*

Results:

1-hour Leq: 84.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	340	0
Concrete Saw	1	90	20%	340	0
Crane (tower)	1	81	16%	365	0
Cement and Mortar Mixers	1	80	50%	365	0
Plate Compactors	1	83	20%	390	0
Air Compressor	1	78	40%	390	0
Forklift	1	75	20%	415	0
Water Truck/Sweeper	1	81	10%	415	0
Dewatering Equipment	1	81	50%	440	0
Signal Boards	2	73	50%	440	0
Skid Steer Loader	1	79	40%	465	0
Welders	2	74	40%	465	0
Concrete Saw	1	90	20%	490	0
Cement and Mortar Mixers	2	80	50%	490	0
Plate Compactors	1	83	20%	515	0
Forklift	1	75	20%	515	0
Concrete Saw	1	90	20%	490	0

20

Receptor: *R1*

Results:

1-hour Leq: 71.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	340	0
Concrete Saw	1	90	20%	340	0
Paver	1	77	50%	365	0
Cement and Mortar Mixers	1	80	50%	365	0
Plate Compactors	2	83	20%	390	0
Air Compressor	2	78	40%	390	0
Forklift	2	75	20%	415	0
Water Truck/Sweeper	1	81	10%	415	0
Paving Equipment	1	77	50%	440	0
Signal Boards	2	73	50%	440	0
Tractor/Loader/Backhoe	1	79	40%	465	0
Skid Steer Loader	1	79	40%	465	0
Roller	1	80	20%	490	0
Trencher	1	80	50%	490	0
Welders	1	74	40%	515	0
Crane (mobile)	1	81	16%	515	0
Cement and Mortar Mixers	1	80	50%	490	0

21

Receptor: *R1*

Results:

1-hour Leq: 70.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	55	0
Concrete Saw	1	90	20%	55	0
Crane (tower)	1	81	16%	80	0
Cement and Mortar Mixers	1	80	50%	80	0
Plate Compactors	1	83	20%	105	0
Air Compressor	1	78	40%	105	0
Forklift	1	75	20%	130	0
Signal Boards	1	73	50%	130	0
Dewatering Equipment	1	81	50%	155	0
Signal Boards	1	73	50%	155	0
Skid Steer Loader	1	79	40%	180	0
Welders	2	74	40%	180	0
Concrete Saw	1	90	20%	205	0
Cement and Mortar Mixers	2	80	50%	205	0
Plate Compactors	1	83	20%	230	0
Forklift	1	75	20%	230	0
Concrete Saw	1	90	20%	205	0

19

Receptor: *R1*

Results:

1-hour Leq: 84.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	125	0
Rubber Tired Loader	1	79	40%	125	0
Air Compressor	1	78	40%	150	0
Tractor/Loader/Backhoe	1	79	40%	150	0
Skid Steer Loader	1	79	40%	175	0
Water Truck/Sweeper	1	81	10%	175	0
Excavators	1	81	40%	200	0
Welder	1	74	40%	200	0
Concrete Saw	1	90	20%	225	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	1	73	50%	250	0
Crusing/Proc. Equipment	1	76	50%	250	0
Signal Boards	1	73	50%	275	0
Excavators	1	81	40%	275	0

14

Receptor: *R2*

Results:

1-hour Leq: 78.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	125	0
Excavator	1	81	40%	125	0
Crane	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Dewatering Equipment	1	81	50%	175	0
Water Truck/Sweeper	1	81	10%	175	0
Tractor/Loader/Backhoe	1	79	40%	200	0
Rubber Tired Loader	1	79	40%	200	0
Welders	1	74	40%	225	0
Skid Steer Loader	1	79	40%	225	0
Bore/Drill Rig	1	84	20%	250	0
Signal Boards	2	73	50%	250	0
Excavator	1	81	40%	275	0
Rollers	2	80	20%	275	0
Rubber Tired Loader	1	79	40%	300	0
Generator Set	1	81	50%	300	0
Welders	1	74	40%	275	0

19

Receptor: R2

Results:

1-hour Leq: 76.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	150	0
Concrete Saw	1	90	20%	150	0
Crane (tower)	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	1	83	20%	175	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	2	73	50%	225	0
Skid Steer Loader	1	79	40%	250	0
Welders	2	74	40%	250	0
Concrete Saw	1	90	20%	275	0
Cement and Mortar Mixers	2	80	50%	275	0
Plate Compactors	1	83	20%	300	0
Forklift	1	75	20%	300	0
Concrete Saw	1	90	20%	275	0

20

Receptor: R2

Results:

1-hour Leq: 77.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	150	0
Concrete Saw	1	90	20%	150	0
Crane (tower)	1	81	16%	150	0
Rubber Tired Loader	1	79	40%	150	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	175	0
Water Truck/Sweeper	1	81	10%	200	0
Signal Boards	1	73	50%	200	0
Skid Steer Loader	1	79	40%	225	0
Welders	1	74	40%	225	0
Air Compressor	1	78	40%	250	0
Forklift	1	75	20%	250	0
Signal Boards	1	73	50%	275	0
Welders	1	74	40%	275	0
Air Compressor	1	78	40%	300	0
Forklift	1	75	20%	300	0

16

Receptor: *R2*

Results:

1-hour Leq: 75.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	150	0
Concrete Saw	1	90	20%	150	0
Paver	1	77	50%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	2	83	20%	175	0
Air Compressor	2	78	40%	175	0
Forklift	2	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Paving Equipment	1	77	50%	225	0
Signal Boards	2	73	50%	225	0
Tractor/Loader/Backhoe	1	79	40%	250	0
Skid Steer Loader	1	79	40%	250	0
Roller	1	80	20%	275	0
Trencher	1	80	50%	275	0
Welders	1	74	40%	300	0
Crane (mobile)	1	81	16%	300	0
Cement and Mortar Mixers	1	80	50%	275	0

21

Receptor: R2

Results:

1-hour Leq: 77.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	320	0
Concrete Saw	1	90	20%	320	0
Crane (tower)	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	1	83	20%	175	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	200	0
Signal Boards	1	73	50%	200	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	1	73	50%	225	0
Skid Steer Loader	1	79	40%	250	0
Welders	2	74	40%	250	0
Concrete Saw	1	90	20%	275	0
Cement and Mortar Mixers	2	80	50%	275	0
Plate Compactors	1	83	20%	300	0
Forklift	1	75	20%	300	0
Concrete Saw	1	90	20%	275	0

19

Receptor: *R2*

Results:
1-hour Leq: 76.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	320	0
Concrete Saw	1	90	20%	320	0
Crane (tower)	1	81	16%	150	0
Rubber Tired Loader	1	79	40%	150	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	175	0
Water Truck/Sweeper	1	81	10%	200	0
Signal Boards	1	73	50%	200	0
Skid Steer Loader	1	79	40%	225	0
Welders	1	74	40%	225	0
Air Compressor	1	78	40%	250	0
Forklift	1	75	20%	250	0
Signal Boards	1	73	50%	275	0
Welders	1	74	40%	275	0
Air Compressor	1	78	40%	300	0
Forklift	1	75	20%	300	0

16

Receptor: *R2*

Results:

1-hour Leq: 72.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	320	0
Concrete Saw	1	90	20%	320	0
Paver	1	77	50%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	2	83	20%	175	0
Air Compressor	2	78	40%	175	0
Forklift	2	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Paving Equipment	1	77	50%	225	0
Signal Boards	2	73	50%	225	0
Tractor/Loader/Backhoe	1	79	40%	250	0
Skid Steer Loader	1	79	40%	250	0
Roller	1	80	20%	275	0
Trencher	1	80	50%	275	0
Welders	1	74	40%	300	0
Crane (mobile)	1	81	16%	300	0
Cement and Mortar Mixers	1	80	50%	275	0

21

Receptor: R2

Results:

1-hour Leq: 75.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	270	0
Concrete Saw	1	90	20%	270	0
Crane (tower)	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	1	83	20%	175	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	200	0
Signal Boards	1	73	50%	200	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	1	73	50%	225	0
Skid Steer Loader	1	79	40%	250	0
Welders	2	74	40%	250	0
Concrete Saw	1	90	20%	275	0
Cement and Mortar Mixers	2	80	50%	275	0
Plate Compactors	1	83	20%	300	0
Forklift	1	75	20%	300	0
Concrete Saw	1	90	20%	275	0

19

Receptor: *R2*

Results:
1-hour Leq: 76.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	270	0
Concrete Saw	1	90	20%	270	0
Crane (tower)	1	81	16%	150	0
Rubber Tired Loader	1	79	40%	150	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	175	0
Water Truck/Sweeper	1	81	10%	200	0
Signal Boards	1	73	50%	200	0
Skid Steer Loader	1	79	40%	225	0
Welders	1	74	40%	225	0
Air Compressor	1	78	40%	250	0
Forklift	1	75	20%	250	0
Signal Boards	1	73	50%	275	0
Welders	1	74	40%	275	0
Air Compressor	1	78	40%	300	0
Forklift	1	75	20%	300	0

16

Receptor: *R2*

Results:

1-hour Leq: 73.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	270	0
Concrete Saw	1	90	20%	270	0
Paver	1	77	50%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	2	83	20%	175	0
Air Compressor	2	78	40%	175	0
Forklift	2	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Paving Equipment	1	77	50%	225	0
Signal Boards	2	73	50%	225	0
Tractor/Loader/Backhoe	1	79	40%	250	0
Skid Steer Loader	1	79	40%	250	0
Roller	1	80	20%	275	0
Trencher	1	80	50%	275	0
Welders	1	74	40%	300	0
Crane (mobile)	1	81	16%	300	0
Cement and Mortar Mixers	1	80	50%	275	0

21

Receptor: R2

Results:

1-hour Leq: 75.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	125	0
Rubber Tired Loader	1	79	40%	125	0
Air Compressor	1	78	40%	150	0
Tractor/Loader/Backhoe	1	79	40%	150	0
Skid Steer Loader	1	79	40%	175	0
Water Truck/Sweeper	1	81	10%	175	0
Excavators	1	81	40%	200	0
Welder	1	74	40%	200	0
Concrete Saw	1	90	20%	225	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	1	73	50%	250	0
Crusing/Proc. Equipment	1	76	50%	250	0
Signal Boards	1	73	50%	275	0
Excavators	1	81	40%	275	0

14

Receptor: *R2*

Results:

1-hour Leq: 78.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	125	0
Excavator	1	81	40%	125	0
Crane	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Dewatering Equipment	1	81	50%	175	0
Water Truck/Sweeper	1	81	10%	175	0
Tractor/Loader/Backhoe	1	79	40%	200	0
Rubber Tired Loader	1	79	40%	200	0
Welders	1	74	40%	225	0
Skid Steer Loader	1	79	40%	225	0
Bore/Drill Rig	1	84	20%	250	0
Signal Boards	2	73	50%	250	0
Excavator	1	81	40%	275	0
Rollers	2	80	20%	275	0
Rubber Tired Loader	1	79	40%	300	0
Generator Set	1	81	50%	300	0
Welders	1	74	40%	275	0

19

Receptor: *R2*

Results:

1-hour Leq: 76.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	215	0
Concrete Saw	1	90	20%	215	0
Crane (tower)	1	81	16%	150	0
Rubber Tired Loader	1	79	40%	150	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	175	0
Water Truck/Sweeper	1	81	10%	200	0
Signal Boards	1	73	50%	200	0
Skid Steer Loader	1	79	40%	225	0
Welders	1	74	40%	225	0
Air Compressor	1	78	40%	250	0
Forklift	1	75	20%	250	0
Signal Boards	1	73	50%	275	0
Welders	1	74	40%	275	0
Air Compressor	1	78	40%	300	0
Forklift	1	75	20%	300	0

16

Receptor: *R2*

Results:

1-hour Leq: 74.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	155	0
Concrete Saw	1	90	20%	155	0
Crane (tower)	1	81	16%	150	0
Rubber Tired Loader	1	79	40%	150	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	175	0
Water Truck/Sweeper	1	81	10%	200	0
Signal Boards	1	73	50%	200	0
Skid Steer Loader	1	79	40%	225	0
Welders	1	74	40%	225	0
Air Compressor	1	78	40%	250	0
Forklift	1	75	20%	250	0
Signal Boards	1	73	50%	275	0
Welders	1	74	40%	275	0
Air Compressor	1	78	40%	300	0
Forklift	1	75	20%	300	0

16

Receptor: *R2*

Results:

1-hour Leq: 75.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1
Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	155	0
Concrete Saw	1	90	20%	155	0
Paver	1	77	50%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	2	83	20%	175	0
Air Compressor	2	78	40%	175	0
Forklift	2	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Paving Equipment	1	77	50%	225	0
Signal Boards	2	73	50%	225	0
Tractor/Loader/Backhoe	1	79	40%	250	0
Skid Steer Loader	1	79	40%	250	0
Roller	1	80	20%	275	0
Trencher	1	80	50%	275	0
Welders	1	74	40%	300	0
Crane (mobile)	1	81	16%	300	0
Cement and Mortar Mixers	1	80	50%	275	0

21

Receptor: R2

Results:

1-hour Leq: 77.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	345	0
Concrete Saw	1	90	20%	345	0
Crane (tower)	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	1	83	20%	175	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	200	0
Signal Boards	1	73	50%	200	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	1	73	50%	225	0
Skid Steer Loader	1	79	40%	250	0
Welders	2	74	40%	250	0
Concrete Saw	1	90	20%	275	0
Cement and Mortar Mixers	2	80	50%	275	0
Plate Compactors	1	83	20%	300	0
Forklift	1	75	20%	300	0
Concrete Saw	1	90	20%	275	0

19

Receptor: *R2*

Results:
1-hour Leq: 76.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	345	0
Concrete Saw	1	90	20%	345	0
Crane (tower)	1	81	16%	150	0
Rubber Tired Loader	1	79	40%	150	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	175	0
Water Truck/Sweeper	1	81	10%	200	0
Signal Boards	1	73	50%	200	0
Skid Steer Loader	1	79	40%	225	0
Welders	1	74	40%	225	0
Air Compressor	1	78	40%	250	0
Forklift	1	75	20%	250	0
Signal Boards	1	73	50%	275	0
Welders	1	74	40%	275	0
Air Compressor	1	78	40%	300	0
Forklift	1	75	20%	300	0

16

Receptor: *R2*

Results:

1-hour Leq: 72.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	345	0
Concrete Saw	1	90	20%	345	0
Paver	1	77	50%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	2	83	20%	175	0
Air Compressor	2	78	40%	175	0
Forklift	2	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Paving Equipment	1	77	50%	225	0
Signal Boards	2	73	50%	225	0
Tractor/Loader/Backhoe	1	79	40%	250	0
Skid Steer Loader	1	79	40%	250	0
Roller	1	80	20%	275	0
Trencher	1	80	50%	275	0
Welders	1	74	40%	300	0
Crane (mobile)	1	81	16%	300	0
Cement and Mortar Mixers	1	80	50%	275	0

21

Receptor: R2

Results:

1-hour Leq: 75.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	215	0
Concrete Saw	1	90	20%	215	0
Crane (tower)	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	1	83	20%	175	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	2	73	50%	225	0
Skid Steer Loader	1	79	40%	250	0
Welders	2	74	40%	250	0
Concrete Saw	1	90	20%	275	0
Cement and Mortar Mixers	2	80	50%	275	0
Plate Compactors	1	83	20%	300	0
Forklift	1	75	20%	300	0
Concrete Saw	1	90	20%	275	0

20

Receptor: R2

Results:

1-hour Leq: 76.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	215	0
Concrete Saw	1	90	20%	215	0
Paver	1	77	50%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	2	83	20%	175	0
Air Compressor	2	78	40%	175	0
Forklift	2	75	20%	200	0
Water Truck/Sweeper	1	81	10%	200	0
Paving Equipment	1	77	50%	225	0
Signal Boards	2	73	50%	225	0
Tractor/Loader/Backhoe	1	79	40%	250	0
Skid Steer Loader	1	79	40%	250	0
Roller	1	80	20%	275	0
Trencher	1	80	50%	275	0
Welders	1	74	40%	300	0
Crane (mobile)	1	81	16%	300	0
Cement and Mortar Mixers	1	80	50%	275	0

21

Receptor: R2

Results:

1-hour Leq: 76.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	155	0
Concrete Saw	1	90	20%	155	0
Crane (tower)	1	81	16%	150	0
Cement and Mortar Mixers	1	80	50%	150	0
Plate Compactors	1	83	20%	175	0
Air Compressor	1	78	40%	175	0
Forklift	1	75	20%	200	0
Signal Boards	1	73	50%	200	0
Dewatering Equipment	1	81	50%	225	0
Signal Boards	1	73	50%	225	0
Skid Steer Loader	1	79	40%	250	0
Welders	2	74	40%	250	0
Concrete Saw	1	90	20%	275	0
Cement and Mortar Mixers	2	80	50%	275	0
Plate Compactors	1	83	20%	300	0
Forklift	1	75	20%	300	0
Concrete Saw	1	90	20%	275	0

19

Receptor: *R2*

Results:
1-hour Leq: 77.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	90	0
Rubber Tired Loader	1	79	40%	90	0
Air Compressor	1	78	40%	115	0
Tractor/Loader/Backhoe	1	79	40%	115	0
Skid Steer Loader	1	79	40%	140	0
Water Truck/Sweeper	1	81	10%	140	0
Excavators	1	81	40%	165	0
Welder	1	74	40%	165	0
Concrete Saw	1	90	20%	190	0
Dewatering Equipment	1	81	50%	190	0
Signal Boards	1	73	50%	215	0
Crusing/Proc. Equipment	1	76	50%	215	0
Signal Boards	1	73	50%	240	0
Excavators	1	81	40%	240	0

14

Receptor: *R3*

Results:

1-hour Leq: 80.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	90	0
Excavator	1	81	40%	90	0
Crane	1	81	16%	115	0
Cement and Mortar Mixers	1	80	50%	115	0
Dewatering Equipment	1	81	50%	140	0
Water Truck/Sweeper	1	81	10%	140	0
Tractor/Loader/Backhoe	1	79	40%	165	0
Rubber Tired Loader	1	79	40%	165	0
Welders	1	74	40%	190	0
Skid Steer Loader	1	79	40%	190	0
Bore/Drill Rig	1	84	20%	215	0
Signal Boards	2	73	50%	215	0
Excavator	1	81	40%	240	0
Rollers	2	80	20%	240	0
Rubber Tired Loader	1	79	40%	265	0
Generator Set	1	81	50%	265	0
Welders	1	74	40%	240	0

19

Receptor: *R3*

Results:

1-hour Leq: 78.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	400	0
Concrete Saw	1	90	20%	400	0
Crane (tower)	1	81	16%	425	0
Cement and Mortar Mixers	1	80	50%	425	0
Plate Compactors	1	83	20%	450	0
Air Compressor	1	78	40%	450	0
Forklift	1	75	20%	475	0
Water Truck/Sweeper	1	81	10%	475	0
Dewatering Equipment	1	81	50%	500	0
Signal Boards	2	73	50%	500	0
Skid Steer Loader	1	79	40%	525	0
Welders	2	74	40%	525	0
Concrete Saw	1	90	20%	550	0
Cement and Mortar Mixers	2	80	50%	550	0
Plate Compactors	1	83	20%	575	0
Forklift	1	75	20%	575	0
Concrete Saw	1	90	20%	550	0

20

Receptor: R3

Results:

1-hour Leq: 70.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	400	0
Concrete Saw	1	90	20%	400	0
Crane (tower)	1	81	16%	425	0
Rubber Tired Loader	1	79	40%	425	0
Air Compressor	1	78	40%	450	0
Forklift	1	75	20%	450	0
Water Truck/Sweeper	1	81	10%	475	0
Signal Boards	1	73	50%	475	0
Skid Steer Loader	1	79	40%	500	0
Welders	1	74	40%	500	0
Air Compressor	1	78	40%	525	0
Forklift	1	75	20%	525	0
Signal Boards	1	73	50%	550	0
Welders	1	74	40%	550	0
Air Compressor	1	78	40%	575	0
Forklift	1	75	20%	575	0

16

Receptor: *R3*

Results:

1-hour Leq: 67.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	400	0
Concrete Saw	1	90	20%	400	0
Paver	1	77	50%	425	0
Cement and Mortar Mixers	1	80	50%	425	0
Plate Compactors	2	83	20%	450	0
Air Compressor	2	78	40%	450	0
Forklift	2	75	20%	475	0
Water Truck/Sweeper	1	81	10%	475	0
Paving Equipment	1	77	50%	500	0
Signal Boards	2	73	50%	500	0
Tractor/Loader/Backhoe	1	79	40%	525	0
Skid Steer Loader	1	79	40%	525	0
Roller	1	80	20%	550	0
Trencher	1	80	50%	550	0
Welders	1	74	40%	575	0
Crane (mobile)	1	81	16%	575	0
Cement and Mortar Mixers	1	80	50%	550	0

21

Receptor: R3

Results:

1-hour Leq: 69.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	135	0
Concrete Saw	1	90	20%	135	0
Crane (tower)	1	81	16%	160	0
Cement and Mortar Mixers	1	80	50%	160	0
Plate Compactors	1	83	20%	185	0
Air Compressor	1	78	40%	185	0
Forklift	1	75	20%	210	0
Signal Boards	1	73	50%	210	0
Dewatering Equipment	1	81	50%	235	0
Signal Boards	1	73	50%	235	0
Skid Steer Loader	1	79	40%	260	0
Welders	2	74	40%	260	0
Concrete Saw	1	90	20%	285	0
Cement and Mortar Mixers	2	80	50%	285	0
Plate Compactors	1	83	20%	310	0
Forklift	1	75	20%	310	0
Concrete Saw	1	90	20%	285	0

19

Receptor: *R3*

Results:

1-hour Leq: 78.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	135	0
Concrete Saw	1	90	20%	135	0
Crane (tower)	1	81	16%	160	0
Rubber Tired Loader	1	79	40%	160	0
Air Compressor	1	78	40%	185	0
Forklift	1	75	20%	185	0
Water Truck/Sweeper	1	81	10%	210	0
Signal Boards	1	73	50%	210	0
Skid Steer Loader	1	79	40%	235	0
Welders	1	74	40%	235	0
Air Compressor	1	78	40%	260	0
Forklift	1	75	20%	260	0
Signal Boards	1	73	50%	285	0
Welders	1	74	40%	285	0
Air Compressor	1	78	40%	310	0
Forklift	1	75	20%	310	0

16

Receptor: *R3*

Results:

1-hour Leq: 76.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	135	0
Concrete Saw	1	90	20%	135	0
Paver	1	77	50%	160	0
Cement and Mortar Mixers	1	80	50%	160	0
Plate Compactors	2	83	20%	185	0
Air Compressor	2	78	40%	185	0
Forklift	2	75	20%	210	0
Water Truck/Sweeper	1	81	10%	210	0
Paving Equipment	1	77	50%	235	0
Signal Boards	2	73	50%	235	0
Tractor/Loader/Backhoe	1	79	40%	260	0
Skid Steer Loader	1	79	40%	260	0
Roller	1	80	20%	285	0
Trencher	1	80	50%	285	0
Welders	1	74	40%	310	0
Crane (mobile)	1	81	16%	310	0
Cement and Mortar Mixers	1	80	50%	285	0

21

Receptor: R3

Results:

1-hour Leq: 77.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	105	0
Concrete Saw	1	90	20%	105	0
Crane (tower)	1	81	16%	130	0
Cement and Mortar Mixers	1	80	50%	130	0
Plate Compactors	1	83	20%	155	0
Air Compressor	1	78	40%	155	0
Forklift	1	75	20%	180	0
Signal Boards	1	73	50%	180	0
Dewatering Equipment	1	81	50%	205	0
Signal Boards	1	73	50%	205	0
Skid Steer Loader	1	79	40%	230	0
Welders	2	74	40%	230	0
Concrete Saw	1	90	20%	255	0
Cement and Mortar Mixers	2	80	50%	255	0
Plate Compactors	1	83	20%	280	0
Forklift	1	75	20%	280	0
Concrete Saw	1	90	20%	255	0

19

Receptor: *R3*

Results:
1-hour Leq: 79.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	105	0
Concrete Saw	1	90	20%	105	0
Crane (tower)	1	81	16%	130	0
Rubber Tired Loader	1	79	40%	130	0
Air Compressor	1	78	40%	155	0
Forklift	1	75	20%	155	0
Water Truck/Sweeper	1	81	10%	180	0
Signal Boards	1	73	50%	180	0
Skid Steer Loader	1	79	40%	205	0
Welders	1	74	40%	205	0
Air Compressor	1	78	40%	230	0
Forklift	1	75	20%	230	0
Signal Boards	1	73	50%	255	0
Welders	1	74	40%	255	0
Air Compressor	1	78	40%	280	0
Forklift	1	75	20%	280	0

16

Receptor: R3

Results:

1-hour Leq: 78.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	105	0
Concrete Saw	1	90	20%	105	0
Paver	1	77	50%	130	0
Cement and Mortar Mixers	1	80	50%	130	0
Plate Compactors	2	83	20%	155	0
Air Compressor	2	78	40%	155	0
Forklift	2	75	20%	180	0
Water Truck/Sweeper	1	81	10%	180	0
Paving Equipment	1	77	50%	205	0
Signal Boards	2	73	50%	205	0
Tractor/Loader/Backhoe	1	79	40%	230	0
Skid Steer Loader	1	79	40%	230	0
Roller	1	80	20%	255	0
Trencher	1	80	50%	255	0
Welders	1	74	40%	280	0
Crane (mobile)	1	81	16%	280	0
Cement and Mortar Mixers	1	80	50%	255	0

21

Receptor: R3

Results:

1-hour Leq: 79.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	90	0
Rubber Tired Loader	1	79	40%	90	0
Air Compressor	1	78	40%	115	0
Tractor/Loader/Backhoe	1	79	40%	115	0
Skid Steer Loader	1	79	40%	140	0
Water Truck/Sweeper	1	81	10%	140	0
Excavators	1	81	40%	165	0
Welder	1	74	40%	165	0
Concrete Saw	1	90	20%	190	0
Dewatering Equipment	1	81	50%	190	0
Signal Boards	1	73	50%	215	0
Crusing/Proc. Equipment	1	76	50%	215	0
Signal Boards	1	73	50%	240	0
Excavators	1	81	40%	240	0

14

Receptor: *R3*

Results:

1-hour Leq: 80.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	90	0
Excavator	1	81	40%	90	0
Crane	1	81	16%	115	0
Cement and Mortar Mixers	1	80	50%	115	0
Dewatering Equipment	1	81	50%	140	0
Water Truck/Sweeper	1	81	10%	140	0
Tractor/Loader/Backhoe	1	79	40%	165	0
Rubber Tired Loader	1	79	40%	165	0
Welders	1	74	40%	190	0
Skid Steer Loader	1	79	40%	190	0
Bore/Drill Rig	1	84	20%	215	0
Signal Boards	2	73	50%	215	0
Excavator	1	81	40%	240	0
Rollers	2	80	20%	240	0
Rubber Tired Loader	1	79	40%	265	0
Generator Set	1	81	50%	265	0
Welders	1	74	40%	240	0

19

Receptor: R3

Results:

1-hour Leq: 78.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	170	0
Concrete Saw	1	90	20%	170	0
Crane (tower)	1	81	16%	195	0
Rubber Tired Loader	1	79	40%	195	0
Air Compressor	1	78	40%	220	0
Forklift	1	75	20%	220	0
Water Truck/Sweeper	1	81	10%	245	0
Signal Boards	1	73	50%	245	0
Skid Steer Loader	1	79	40%	270	0
Welders	1	74	40%	270	0
Air Compressor	1	78	40%	295	0
Forklift	1	75	20%	295	0
Signal Boards	1	73	50%	320	0
Welders	1	74	40%	320	0
Air Compressor	1	78	40%	345	0
Forklift	1	75	20%	345	0

16

Receptor: *R3*

Results:

1-hour Leq: 74.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	415	0
Concrete Saw	1	90	20%	415	0
Crane (tower)	1	81	16%	440	0
Rubber Tired Loader	1	79	40%	440	0
Air Compressor	1	78	40%	465	0
Forklift	1	75	20%	465	0
Water Truck/Sweeper	1	81	10%	490	0
Signal Boards	1	73	50%	490	0
Skid Steer Loader	1	79	40%	515	0
Welders	1	74	40%	515	0
Air Compressor	1	78	40%	540	0
Forklift	1	75	20%	540	0
Signal Boards	1	73	50%	565	0
Welders	1	74	40%	565	0
Air Compressor	1	78	40%	590	0
Forklift	1	75	20%	590	0

16

Receptor: *R3*

Results:

1-hour Leq: 67.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1
Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	415	0
Concrete Saw	1	90	20%	415	0
Paver	1	77	50%	440	0
Cement and Mortar Mixers	1	80	50%	440	0
Plate Compactors	2	83	20%	465	0
Air Compressor	2	78	40%	465	0
Forklift	2	75	20%	490	0
Water Truck/Sweeper	1	81	10%	490	0
Paving Equipment	1	77	50%	515	0
Signal Boards	2	73	50%	515	0
Tractor/Loader/Backhoe	1	79	40%	540	0
Skid Steer Loader	1	79	40%	540	0
Roller	1	80	20%	565	0
Trencher	1	80	50%	565	0
Welders	1	74	40%	590	0
Crane (mobile)	1	81	16%	590	0
Cement and Mortar Mixers	1	80	50%	565	0

21

Receptor: R3

Results:

1-hour Leq: 69.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	350	0
Concrete Saw	1	90	20%	350	0
Crane (tower)	1	81	16%	375	0
Cement and Mortar Mixers	1	80	50%	375	0
Plate Compactors	1	83	20%	400	0
Air Compressor	1	78	40%	400	0
Forklift	1	75	20%	425	0
Signal Boards	1	73	50%	425	0
Dewatering Equipment	1	81	50%	450	0
Signal Boards	1	73	50%	450	0
Skid Steer Loader	1	79	40%	475	0
Welders	2	74	40%	475	0
Concrete Saw	1	90	20%	500	0
Cement and Mortar Mixers	2	80	50%	500	0
Plate Compactors	1	83	20%	525	0
Forklift	1	75	20%	525	0
Concrete Saw	1	90	20%	500	0

19

Receptor: *R3*

Results:
1-hour Leq: 71.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	350	0
Concrete Saw	1	90	20%	350	0
Crane (tower)	1	81	16%	375	0
Rubber Tired Loader	1	79	40%	375	0
Air Compressor	1	78	40%	400	0
Forklift	1	75	20%	400	0
Water Truck/Sweeper	1	81	10%	425	0
Signal Boards	1	73	50%	425	0
Skid Steer Loader	1	79	40%	450	0
Welders	1	74	40%	450	0
Air Compressor	1	78	40%	475	0
Forklift	1	75	20%	475	0
Signal Boards	1	73	50%	500	0
Welders	1	74	40%	500	0
Air Compressor	1	78	40%	525	0
Forklift	1	75	20%	525	0

16

Receptor: R3

Results:

1-hour Leq: 68.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	350	0
Concrete Saw	1	90	20%	350	0
Paver	1	77	50%	375	0
Cement and Mortar Mixers	1	80	50%	375	0
Plate Compactors	2	83	20%	400	0
Air Compressor	2	78	40%	400	0
Forklift	2	75	20%	425	0
Water Truck/Sweeper	1	81	10%	425	0
Paving Equipment	1	77	50%	450	0
Signal Boards	2	73	50%	450	0
Tractor/Loader/Backhoe	1	79	40%	475	0
Skid Steer Loader	1	79	40%	475	0
Roller	1	80	20%	500	0
Trencher	1	80	50%	500	0
Welders	1	74	40%	525	0
Crane (mobile)	1	81	16%	525	0
Cement and Mortar Mixers	1	80	50%	500	0

21

Receptor: R3

Results:

1-hour Leq: 70.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	170	0
Concrete Saw	1	90	20%	170	0
Crane (tower)	1	81	16%	195	0
Cement and Mortar Mixers	1	80	50%	195	0
Plate Compactors	1	83	20%	220	0
Air Compressor	1	78	40%	220	0
Forklift	1	75	20%	245	0
Water Truck/Sweeper	1	81	10%	245	0
Dewatering Equipment	1	81	50%	270	0
Signal Boards	2	73	50%	270	0
Skid Steer Loader	1	79	40%	295	0
Welders	2	74	40%	295	0
Concrete Saw	1	90	20%	320	0
Cement and Mortar Mixers	2	80	50%	320	0
Plate Compactors	1	83	20%	345	0
Forklift	1	75	20%	345	0
Concrete Saw	1	90	20%	320	0

20

Receptor: R3

Results:

1-hour Leq: 76.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	170	0
Concrete Saw	1	90	20%	170	0
Paver	1	77	50%	195	0
Cement and Mortar Mixers	1	80	50%	195	0
Plate Compactors	2	83	20%	220	0
Air Compressor	2	78	40%	220	0
Forklift	2	75	20%	245	0
Water Truck/Sweeper	1	81	10%	245	0
Paving Equipment	1	77	50%	270	0
Signal Boards	2	73	50%	270	0
Tractor/Loader/Backhoe	1	79	40%	295	0
Skid Steer Loader	1	79	40%	295	0
Roller	1	80	20%	320	0
Trencher	1	80	50%	320	0
Welders	1	74	40%	345	0
Crane (mobile)	1	81	16%	345	0
Cement and Mortar Mixers	1	80	50%	320	0

21

Receptor: R3

Results:

1-hour Leq: 75.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1
Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	415	0
Concrete Saw	1	90	20%	415	0
Crane (tower)	1	81	16%	440	0
Cement and Mortar Mixers	1	80	50%	440	0
Plate Compactors	1	83	20%	465	0
Air Compressor	1	78	40%	465	0
Forklift	1	75	20%	490	0
Signal Boards	1	73	50%	490	0
Dewatering Equipment	1	81	50%	515	0
Signal Boards	1	73	50%	515	0
Skid Steer Loader	1	79	40%	540	0
Welders	2	74	40%	540	0
Concrete Saw	1	90	20%	565	0
Cement and Mortar Mixers	2	80	50%	565	0
Plate Compactors	1	83	20%	590	0
Forklift	1	75	20%	590	0
Concrete Saw	1	90	20%	565	0

19

Receptor: R3

Results:

1-hour Leq: 70.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	130	0
Rubber Tired Loader	1	79	40%	130	0
Air Compressor	1	78	40%	155	0
Tractor/Loader/Backhoe	1	79	40%	155	0
Skid Steer Loader	1	79	40%	180	0
Water Truck/Sweeper	1	81	10%	180	0
Excavators	1	81	40%	205	0
Welder	1	74	40%	205	0
Concrete Saw	1	90	20%	230	0
Dewatering Equipment	1	81	50%	230	0
Signal Boards	1	73	50%	255	0
Crusing/Proc. Equipment	1	76	50%	255	0
Signal Boards	1	73	50%	280	0
Excavators	1	81	40%	280	0

14

Receptor: *R4*

Results:

1-hour Leq: 78.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	130	0
Excavator	1	81	40%	130	0
Crane	1	81	16%	155	0
Cement and Mortar Mixers	1	80	50%	155	0
Dewatering Equipment	1	81	50%	180	0
Water Truck/Sweeper	1	81	10%	180	0
Tractor/Loader/Backhoe	1	79	40%	205	0
Rubber Tired Loader	1	79	40%	205	0
Welders	1	74	40%	230	0
Skid Steer Loader	1	79	40%	230	0
Bore/Drill Rig	1	84	20%	255	0
Signal Boards	2	73	50%	255	0
Excavator	1	81	40%	280	0
Rollers	2	80	20%	280	0
Rubber Tired Loader	1	79	40%	305	0
Generator Set	1	81	50%	305	0
Welders	1	74	40%	280	0

19

Receptor: *R4*

Results:

1-hour Leq: 76.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	410	0
Concrete Saw	1	90	20%	410	0
Crane (tower)	1	81	16%	435	0
Cement and Mortar Mixers	1	80	50%	435	0
Plate Compactors	1	83	20%	460	0
Air Compressor	1	78	40%	460	0
Forklift	1	75	20%	485	0
Water Truck/Sweeper	1	81	10%	485	0
Dewatering Equipment	1	81	50%	510	0
Signal Boards	2	73	50%	510	0
Skid Steer Loader	1	79	40%	535	0
Welders	2	74	40%	535	0
Concrete Saw	1	90	20%	560	0
Cement and Mortar Mixers	2	80	50%	560	0
Plate Compactors	1	83	20%	585	0
Forklift	1	75	20%	585	0
Concrete Saw	1	90	20%	560	0

20

Receptor: *R4*

Results:

1-hour Leq: 70.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	410	0
Concrete Saw	1	90	20%	410	0
Crane (tower)	1	81	16%	435	0
Rubber Tired Loader	1	79	40%	435	0
Air Compressor	1	78	40%	460	0
Forklift	1	75	20%	460	0
Water Truck/Sweeper	1	81	10%	485	0
Signal Boards	1	73	50%	485	0
Skid Steer Loader	1	79	40%	510	0
Welders	1	74	40%	510	0
Air Compressor	1	78	40%	535	0
Forklift	1	75	20%	535	0
Signal Boards	1	73	50%	560	0
Welders	1	74	40%	560	0
Air Compressor	1	78	40%	585	0
Forklift	1	75	20%	585	0

16

Receptor: *R4*

Results:

1-hour Leq: 67.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	410	0
Concrete Saw	1	90	20%	410	0
Paver	1	77	50%	435	0
Cement and Mortar Mixers	1	80	50%	435	0
Plate Compactors	2	83	20%	460	0
Air Compressor	2	78	40%	460	0
Forklift	2	75	20%	485	0
Water Truck/Sweeper	1	81	10%	485	0
Paving Equipment	1	77	50%	510	0
Signal Boards	2	73	50%	510	0
Tractor/Loader/Backhoe	1	79	40%	535	0
Skid Steer Loader	1	79	40%	535	0
Roller	1	80	20%	560	0
Trencher	1	80	50%	560	0
Welders	1	74	40%	585	0
Crane (mobile)	1	81	16%	585	0
Cement and Mortar Mixers	1	80	50%	560	0

21

Receptor: *R4*

Results:

1-hour Leq: 69.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	135	0
Concrete Saw	1	90	20%	135	0
Crane (tower)	1	81	16%	160	0
Cement and Mortar Mixers	1	80	50%	160	0
Plate Compactors	1	83	20%	185	0
Air Compressor	1	78	40%	185	0
Forklift	1	75	20%	210	0
Signal Boards	1	73	50%	210	0
Dewatering Equipment	1	81	50%	235	0
Signal Boards	1	73	50%	235	0
Skid Steer Loader	1	79	40%	260	0
Welders	2	74	40%	260	0
Concrete Saw	1	90	20%	285	0
Cement and Mortar Mixers	2	80	50%	285	0
Plate Compactors	1	83	20%	310	0
Forklift	1	75	20%	310	0
Concrete Saw	1	90	20%	285	0

19

Receptor: *R4*

Results:
1-hour Leq: 78.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	135	0
Concrete Saw	1	90	20%	135	0
Crane (tower)	1	81	16%	160	0
Rubber Tired Loader	1	79	40%	160	0
Air Compressor	1	78	40%	185	0
Forklift	1	75	20%	185	0
Water Truck/Sweeper	1	81	10%	210	0
Signal Boards	1	73	50%	210	0
Skid Steer Loader	1	79	40%	235	0
Welders	1	74	40%	235	0
Air Compressor	1	78	40%	260	0
Forklift	1	75	20%	260	0
Signal Boards	1	73	50%	285	0
Welders	1	74	40%	285	0
Air Compressor	1	78	40%	310	0
Forklift	1	75	20%	310	0

16

Receptor: *R4*

Results:

1-hour Leq: 76.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	135	0
Concrete Saw	1	90	20%	135	0
Paver	1	77	50%	160	0
Cement and Mortar Mixers	1	80	50%	160	0
Plate Compactors	2	83	20%	185	0
Air Compressor	2	78	40%	185	0
Forklift	2	75	20%	210	0
Water Truck/Sweeper	1	81	10%	210	0
Paving Equipment	1	77	50%	235	0
Signal Boards	2	73	50%	235	0
Tractor/Loader/Backhoe	1	79	40%	260	0
Skid Steer Loader	1	79	40%	260	0
Roller	1	80	20%	285	0
Trencher	1	80	50%	285	0
Welders	1	74	40%	310	0
Crane (mobile)	1	81	16%	310	0
Cement and Mortar Mixers	1	80	50%	285	0

21

Receptor: *R4*

Results:

1-hour Leq: 77.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	405	0
Concrete Saw	1	90	20%	405	0
Crane (tower)	1	81	16%	430	0
Cement and Mortar Mixers	1	80	50%	430	0
Plate Compactors	1	83	20%	455	0
Air Compressor	1	78	40%	455	0
Forklift	1	75	20%	480	0
Signal Boards	1	73	50%	480	0
Dewatering Equipment	1	81	50%	505	0
Signal Boards	1	73	50%	505	0
Skid Steer Loader	1	79	40%	530	0
Welders	2	74	40%	530	0
Concrete Saw	1	90	20%	555	0
Cement and Mortar Mixers	2	80	50%	555	0
Plate Compactors	1	83	20%	580	0
Forklift	1	75	20%	580	0
Concrete Saw	1	90	20%	555	0

19

Receptor: *R4*

Results:
1-hour Leq: 70.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	405	0
Concrete Saw	1	90	20%	405	0
Crane (tower)	1	81	16%	430	0
Rubber Tired Loader	1	79	40%	430	0
Air Compressor	1	78	40%	455	0
Forklift	1	75	20%	455	0
Water Truck/Sweeper	1	81	10%	480	0
Signal Boards	1	73	50%	480	0
Skid Steer Loader	1	79	40%	505	0
Welders	1	74	40%	505	0
Air Compressor	1	78	40%	530	0
Forklift	1	75	20%	530	0
Signal Boards	1	73	50%	555	0
Welders	1	74	40%	555	0
Air Compressor	1	78	40%	580	0
Forklift	1	75	20%	580	0

16

Receptor: *R4*

Results:

1-hour Leq: 67.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option A***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	405	0
Concrete Saw	1	90	20%	405	0
Paver	1	77	50%	430	0
Cement and Mortar Mixers	1	80	50%	430	0
Plate Compactors	2	83	20%	455	0
Air Compressor	2	78	40%	455	0
Forklift	2	75	20%	480	0
Water Truck/Sweeper	1	81	10%	480	0
Paving Equipment	1	77	50%	505	0
Signal Boards	2	73	50%	505	0
Tractor/Loader/Backhoe	1	79	40%	530	0
Skid Steer Loader	1	79	40%	530	0
Roller	1	80	20%	555	0
Trencher	1	80	50%	555	0
Welders	1	74	40%	580	0
Crane (mobile)	1	81	16%	580	0
Cement and Mortar Mixers	1	80	50%	555	0

21

Receptor: *R4*

Results:

1-hour Leq: 69.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Demolition*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	130	0
Rubber Tired Loader	1	79	40%	130	0
Air Compressor	1	78	40%	155	0
Tractor/Loader/Backhoe	1	79	40%	155	0
Skid Steer Loader	1	79	40%	180	0
Water Truck/Sweeper	1	81	10%	180	0
Excavators	1	81	40%	205	0
Welder	1	74	40%	205	0
Concrete Saw	1	90	20%	230	0
Dewatering Equipment	1	81	50%	230	0
Signal Boards	1	73	50%	255	0
Crusing/Proc. Equipment	1	76	50%	255	0
Signal Boards	1	73	50%	280	0
Excavators	1	81	40%	280	0

14

Receptor: *R4*

Results:

1-hour Leq: 78.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Grading / Excavation*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	130	0
Excavator	1	81	40%	130	0
Crane	1	81	16%	155	0
Cement and Mortar Mixers	1	80	50%	155	0
Dewatering Equipment	1	81	50%	180	0
Water Truck/Sweeper	1	81	10%	180	0
Tractor/Loader/Backhoe	1	79	40%	205	0
Rubber Tired Loader	1	79	40%	205	0
Welders	1	74	40%	230	0
Skid Steer Loader	1	79	40%	230	0
Bore/Drill Rig	1	84	20%	255	0
Signal Boards	2	73	50%	255	0
Excavator	1	81	40%	280	0
Rollers	2	80	20%	280	0
Rubber Tired Loader	1	79	40%	305	0
Generator Set	1	81	50%	305	0
Welders	1	74	40%	280	0

19

Receptor: *R4*

Results:

1-hour Leq: 76.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	150	0
Concrete Saw	1	90	20%	150	0
Crane (tower)	1	81	16%	175	0
Rubber Tired Loader	1	79	40%	175	0
Air Compressor	1	78	40%	200	0
Forklift	1	75	20%	200	0
Water Truck/Sweeper	1	81	10%	225	0
Signal Boards	1	73	50%	225	0
Skid Steer Loader	1	79	40%	250	0
Welders	1	74	40%	250	0
Air Compressor	1	78	40%	275	0
Forklift	1	75	20%	275	0
Signal Boards	1	73	50%	300	0
Welders	1	74	40%	300	0
Air Compressor	1	78	40%	325	0
Forklift	1	75	20%	325	0

16

Receptor: *R4*

Results:

1-hour Leq: 75.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 1*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	430	0
Concrete Saw	1	90	20%	430	0
Crane (tower)	1	81	16%	455	0
Rubber Tired Loader	1	79	40%	455	0
Air Compressor	1	78	40%	480	0
Forklift	1	75	20%	480	0
Water Truck/Sweeper	1	81	10%	505	0
Signal Boards	1	73	50%	505	0
Skid Steer Loader	1	79	40%	530	0
Welders	1	74	40%	530	0
Air Compressor	1	78	40%	555	0
Forklift	1	75	20%	555	0
Signal Boards	1	73	50%	580	0
Welders	1	74	40%	580	0
Air Compressor	1	78	40%	605	0
Forklift	1	75	20%	605	0

16

Receptor: *R4*

Results:

1-hour Leq: 66.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 1
Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	430	0
Concrete Saw	1	90	20%	430	0
Paver	1	77	50%	455	0
Cement and Mortar Mixers	1	80	50%	455	0
Plate Compactors	2	83	20%	480	0
Air Compressor	2	78	40%	480	0
Forklift	2	75	20%	505	0
Water Truck/Sweeper	1	81	10%	505	0
Paving Equipment	1	77	50%	530	0
Signal Boards	2	73	50%	530	0
Tractor/Loader/Backhoe	1	79	40%	555	0
Skid Steer Loader	1	79	40%	555	0
Roller	1	80	20%	580	0
Trencher	1	80	50%	580	0
Welders	1	74	40%	605	0
Crane (mobile)	1	81	16%	605	0
Cement and Mortar Mixers	1	80	50%	580	0

21

Receptor: *R4*

Results:

1-hour Leq: 68.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	245	0
Concrete Saw	1	90	20%	245	0
Crane (tower)	1	81	16%	270	0
Cement and Mortar Mixers	1	80	50%	270	0
Plate Compactors	1	83	20%	295	0
Air Compressor	1	78	40%	295	0
Forklift	1	75	20%	320	0
Signal Boards	1	73	50%	320	0
Dewatering Equipment	1	81	50%	345	0
Signal Boards	1	73	50%	345	0
Skid Steer Loader	1	79	40%	370	0
Welders	2	74	40%	370	0
Concrete Saw	1	90	20%	395	0
Cement and Mortar Mixers	2	80	50%	395	0
Plate Compactors	1	83	20%	420	0
Forklift	1	75	20%	420	0
Concrete Saw	1	90	20%	395	0

19

Receptor: *R4*

Results:
1-hour Leq: 73.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Building Construction - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	245	0
Concrete Saw	1	90	20%	245	0
Crane (tower)	1	81	16%	270	0
Rubber Tired Loader	1	79	40%	270	0
Air Compressor	1	78	40%	295	0
Forklift	1	75	20%	295	0
Water Truck/Sweeper	1	81	10%	320	0
Signal Boards	1	73	50%	320	0
Skid Steer Loader	1	79	40%	345	0
Welders	1	74	40%	345	0
Air Compressor	1	78	40%	370	0
Forklift	1	75	20%	370	0
Signal Boards	1	73	50%	395	0
Welders	1	74	40%	395	0
Air Compressor	1	78	40%	420	0
Forklift	1	75	20%	420	0

16

Receptor: *R4*

Results:

1-hour Leq: 71.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 2*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	245	0
Concrete Saw	1	90	20%	245	0
Paver	1	77	50%	270	0
Cement and Mortar Mixers	1	80	50%	270	0
Plate Compactors	2	83	20%	295	0
Air Compressor	2	78	40%	295	0
Forklift	2	75	20%	320	0
Water Truck/Sweeper	1	81	10%	320	0
Paving Equipment	1	77	50%	345	0
Signal Boards	2	73	50%	345	0
Tractor/Loader/Backhoe	1	79	40%	370	0
Skid Steer Loader	1	79	40%	370	0
Roller	1	80	20%	395	0
Trencher	1	80	50%	395	0
Welders	1	74	40%	420	0
Crane (mobile)	1	81	16%	420	0
Cement and Mortar Mixers	1	80	50%	395	0

21

Receptor: *R4*

Results:

1-hour Leq: 73.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	150	0
Concrete Saw	1	90	20%	150	0
Crane (tower)	1	81	16%	175	0
Cement and Mortar Mixers	1	80	50%	175	0
Plate Compactors	1	83	20%	200	0
Air Compressor	1	78	40%	200	0
Forklift	1	75	20%	225	0
Water Truck/Sweeper	1	81	10%	225	0
Dewatering Equipment	1	81	50%	250	0
Signal Boards	2	73	50%	250	0
Skid Steer Loader	1	79	40%	275	0
Welders	2	74	40%	275	0
Concrete Saw	1	90	20%	300	0
Cement and Mortar Mixers	2	80	50%	300	0
Plate Compactors	1	83	20%	325	0
Forklift	1	75	20%	325	0
Concrete Saw	1	90	20%	300	0

20

Receptor: *R4*

Results:

1-hour Leq: 77.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Paving/ Landscape - Building 3*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rubber Tired Loader	1	79	40%	150	0
Concrete Saw	1	90	20%	150	0
Paver	1	77	50%	175	0
Cement and Mortar Mixers	1	80	50%	175	0
Plate Compactors	2	83	20%	200	0
Air Compressor	2	78	40%	200	0
Forklift	2	75	20%	225	0
Water Truck/Sweeper	1	81	10%	225	0
Paving Equipment	1	77	50%	250	0
Signal Boards	2	73	50%	250	0
Tractor/Loader/Backhoe	1	79	40%	275	0
Skid Steer Loader	1	79	40%	275	0
Roller	1	80	20%	300	0
Trencher	1	80	50%	300	0
Welders	1	74	40%	325	0
Crane (mobile)	1	81	16%	325	0
Cement and Mortar Mixers	1	80	50%	300	0

21

Receptor: *R4*

Results:

1-hour Leq: 76.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

**Construction Phase: *Foundation, Building 1*
*Option B***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (mobile)	1	81	16%	430	0
Concrete Saw	1	90	20%	430	0
Crane (tower)	1	81	16%	455	0
Cement and Mortar Mixers	1	80	50%	455	0
Plate Compactors	1	83	20%	480	0
Air Compressor	1	78	40%	480	0
Forklift	1	75	20%	505	0
Signal Boards	1	73	50%	505	0
Dewatering Equipment	1	81	50%	530	0
Signal Boards	1	73	50%	530	0
Skid Steer Loader	1	79	40%	555	0
Welders	2	74	40%	555	0
Concrete Saw	1	90	20%	580	0
Cement and Mortar Mixers	2	80	50%	580	0
Plate Compactors	1	83	20%	605	0
Forklift	1	75	20%	605	0
Concrete Saw	1	90	20%	580	0

19

Receptor: *R4*

Results:

1-hour Leq: 69.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Paseo Marina Project EIR

Off-Site Haul Trucks

Phase	Maximum Number of Truck One Way Trips		Worker Trips		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)		
	Per Day	Per Hour (8- hr day)	Daily Trips	Trips during Pk Hr.	Maxella Ave.	Glencoe Ave.	Lincoln Blvd.
1-Demolition**	68	6	40	16	62.3	58.3	61.5
2-Grading/Excavation**	128	11	60	24	64.8	60.8	64.1
3-Garage/Podium (Bldgs 1, 2 & 3)	140	9	75	30	64.2	60.1	63.4
4-Building Construction, Bldgs 1, 2 & 3)	140	9	225	90	64.6	60.5	63.8
5-Finishing/Landscape, Bldgs 1, 2 & 3)	48	3	70	28	59.7	55.6	58.9
* Trucks are one-direction (trips/2)					Ambient, dBA	67.7	66.4
** 6-hours for hauling (demo and grading)					Significance Criteria, dBA	72.7	71.4
					Project + Ambient Noise Levels,		
					Maxella Ave.	Glencoe Ave.	Lincoln Blvd.
1-Demolition**					68.8	67.0	70.6
2-Grading/Excavation**					69.5	67.5	71.0
3-Garage/Podium (Bldgs 1, 2 & 3)					69.3	67.3	70.9
4-Building Construction, Bldgs 1, 2 & 3)					69.4	67.4	70.9
5-Finishing/Landscape, Bldgs 1, 2 & 3)					68.3	66.7	70.3
					Estimated Noise Increase, Leq(hr)		
					Maxella Ave.	Glencoe Ave.	Lincoln Blvd.
1-Demolition**					1.1	0.6	0.6
2-Grading/Excavation**					1.8	1.1	1.0
3-Garage/Podium (Bldgs 1, 2 & 3)					1.6	0.9	0.9
4-Building Construction, Bldgs 1, 2 & 3)					1.7	1.0	0.9
5-Finishing/Landscape, Bldgs 1, 2 & 3)					0.6	0.3	0.3
					Maximum Noise Increase, dBA (Leq)	1.8	1.1
							1.0

OVERLAPPING CONSTRUCTION

	Maximum Number of				Estimated Project Noise Levels (From		
	Truck One Way Trips		Worker Trips		TNM Outputs), Leq(hr)		
		Per Hour (8-		Trips during	Maxella	Glencoe	Lincoln
Phase	Per Day	hr day)	Daily Trips	Pk Hr.	Ave.	Ave.	Blvd.
Demo & Grading**	196	17	100	40	66.7	62.7	66.0
Grading, Podium 1, Podium2	408	29	210	84	69.2	65.1	68.4
Grading, Podium 2, Podium 3, Const 1	548	38	435	174	70.6	66.6	69.9
Podium 3, Const 1, Const 2	420	27	525	210	69.6	65.6	68.9
Const. 2, Const. 3, Paving 1	328	21	520	208	68.8	64.8	68.0
* Trucks are one-way				Ambient, dBA	67.7	66.4	70.0
** 6-hours for Grading				Significance Criteria, dBA	72.7	71.4	75.0
					Project + Ambient Noise Levels,		
					Maxella	Glencoe	Lincoln
					Ave.	Ave.	Blvd.
Demo & Grading**					70.2	67.9	71.5
Grading, Podium 1, Podium2					71.5	68.8	72.3
Grading, Podium 2, Podium 3, Const 1					72.4	69.5	73.0
Podium 3, Const 1, Const 2					71.8	69.0	72.5
Const. 2, Const. 3, Paving 1					71.3	68.7	72.1
					Estimated Noise Increase, Leq(hr)		
					Maxella	Glencoe	Lincoln
					Ave.	Ave.	Blvd.
Demo & Grading**					2.5	1.5	1.5
Grading, Podium 1, Podium2					3.8	2.4	2.3
Grading, Podium 2, Podium 3, Const 1					4.7	3.1	3.0
Podium 3, Const 1, Const 2					4.1	2.6	2.5
Const. 2, Const. 3, Paving 1					3.6	2.3	2.1
Maximum Noise Increase, dBA (Leq)					4.7	3.1	3.0

CUMULATIVE ANALYSIS

Maximum # of trucks not to exceed threshold

	Haul Routes		
	Maxella Ave.	Glencoe Ave.	Lincoln Blvd.
Ambient	67.7	66.4	70.0
# of Trucks	48	91	98
Estimated noise with # of Trucks	70.9	69.6	73.2
Trucks + Ambient	72.6	71.3	74.9
Increase	4.9	4.9	4.9

Number of trucks, which exceed threshold

	Haul Routes		
	Maxella Ave.	Glencoe Ave.	Lincoln Blvd.
Ambient	67.7	66.4	70.0
# of Trucks	49	92	99
Estimated noise with # of Trucks	71.0	69.7	73.3
Cum. Projects + Ambient	72.7	71.4	75
Increase	5.0	5.0	5.0

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	Paseo Marina						Average pavement type shall be used unless				
RUN:	Construction - Demolition						a State highway agency substantiates the use				
							of a different type with the approval of FHWA				
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Demolition											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	16	35	0	0	6	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Demolition											
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Maxella	1	1	0.0	62.3	71	62.3	5	----	62.3	0.0	0	0.0
Receptor along Lincoln	10	1	0.0	61.5	66	61.5	10	----	61.5	0.0	8	-8.0
Receptor along Glencoe	11	1	0.0	58.3	66	58.3	10	----	58.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		1	0.0	0.0	0.0							

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB						16 June 2021 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:	Paseo Marina										
RUN:	Construction - Grading										
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	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Grading											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	24	35	0	0	11	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Grading											
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Maxella	1	1	0.0	64.8	71	64.8	5	----	64.8	0.0	0	0.0
Receptor along Lincoln	10	1	0.0	64.1	66	64.1	10	----	64.1	0.0	8	-8.0
Receptor along Glencoe	11	1	0.0	60.8	66	60.8	10	----	60.8	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		1	0.0	0.0	0.0							

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	Paseo Marina						Average pavement type shall be used unless				
RUN:	Garage/Podium Construction						a State highway agency substantiates the use				
							of a different type with the approval of FHWA				
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental				16 June 2021								
SKB				TNM 2.5								
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Garage/Podium Construction											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	30	35	0	0	9	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Garage/Podium Construction											
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		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS

Paseo Marina

Eyestone Environmental SKB								16 June 2021				
								TNM 2.5				
								Calculated with TNM 2.5				
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Paseo Marina										
RUN:		Garage/Podium Construction										
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					With Barrier			
			LAeq1h	LAeq1h	Increase over existing		Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated minus Goal
							Sub'l Inc					
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Maxella	1	1	0.0	64.2	71	64.2	5	----	64.2	0.0	0	0.0
Receptor along Lincoln	10	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0
Receptor along Glencoe	11	1	0.0	60.1	66	60.1	10	----	60.1	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		1	0.0	0.0	0.0							

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB						16 June 2021 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:	Paseo Marina										
RUN:	Construction - Building Construction										
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	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes

Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Building Construction											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	90	35	0	0	9	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Building Construction											
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Receptor along Maxella	1	1	500.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	500.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	500.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Maxella	1	1	0.0	64.6	71	64.6	5	----	64.6	0.0	0	0.0
Receptor along Lincoln	10	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0
Receptor along Glencoe	11	1	0.0	60.5	66	60.5	10	----	60.5	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		1	0.0	0.0	0.0							

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB						16 June 2021 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:	Paseo Marina										
RUN:	Construction - Landscape										
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	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Landscape											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	28	35	0	0	3	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Landscape											
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Receptor along Maxella	1	1	500.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	500.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	500.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier						With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Receptor along Maxella	1	1	0.0	59.7	71	59.7	5	----	59.7	0.0	0	0.0	
Receptor along Lincoln	10	1	0.0	58.9	66	58.9	10	----	58.9	0.0	8	-8.0	
Receptor along Glencoe	11	1	0.0	55.6	66	55.6	10	----	55.6	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		3	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		1	0.0	0.0	0.0								

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB											
INPUT: ROADWAYS											
PROJECT/CONTRACT:											
RUN:											
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 1											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	40	35	0	0	17	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 1											
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h					Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Maxella	1	1	0.0	66.7	71	66.7	5	----	66.7	0.0	0	0.0
Receptor along Lincoln	10	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0
Receptor along Glencoe	11	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	0.0	0.0	0.0							
All Impacted		1	0.0	0.0	0.0							
All that meet NR Goal		1	0.0	0.0	0.0							

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB						16 June 2021 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:	Paseo Marina										
RUN:	Construction - Overlapping 2										
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	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 2											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	84	35	0	0	29	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 2											
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		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Maxella	1	1	0.0	69.2	71	69.2	5	----	69.2	0.0	0	0.0
Receptor along Lincoln	10	1	0.0	68.4	66	68.4	10	Snd Lvl	68.4	0.0	8	-8.0
Receptor along Glencoe	11	1	0.0	65.1	66	65.1	10	----	65.1	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	0.0	0.0	0.0							
All Impacted		1	0.0	0.0	0.0							
All that meet NR Goal		1	0.0	0.0	0.0							

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB						16 June 2021 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:	Paseo Marina										
RUN:	Construction - Overlapping 3										
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	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 3											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	174	35	0	0	38	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 3											
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		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Receptor along Maxella	1	1	0.0	70.6	71	70.6	5	----	70.6	0.0	0	0.0	
Receptor along Lincoln	10	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0	
Receptor along Glencoe	11	1	0.0	66.6	66	66.6	10	Snd Lvl	66.6	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		3	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		1	0.0	0.0	0.0								

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB					16 June 2021 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:	Paseo Marina											
RUN:	Construction - Overlapping 4											
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	100	Average		
		point2	2	1,000.0	0.0	0.00						

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 4											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	210	35	0	0	27	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eyestone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 4											
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		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Maxella	1	1	0.0	69.6	71	69.6	5	----	69.6	0.0	0	0.0
Receptor along Lincoln	10	1	0.0	68.9	66	68.9	10	Snd Lvl	68.9	0.0	8	-8.0
Receptor along Glencoe	11	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	0.0	0.0	0.0							
All Impacted		1	0.0	0.0	0.0							
All that meet NR Goal		1	0.0	0.0	0.0							

INPUT: ROADWAYS
Paseo Marina

Eyestone Environmental SKB						16 June 2021 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:	Paseo Marina										
RUN:	Construction - Overlapping 5										
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	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
Paseo Marina

Eyestone Environmental					16 June 2021							
SKB					TNM 2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 5											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	208	35	0	0	21	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
Paseo Marina

Eystone Environmental												
SKB												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Paseo Marina											
RUN:	Construction - Overlapping 5											
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		
Receptor along Maxella	1	1	250.0	-25.0	0.00	4.92	0.00	71	5.0	0.0	Y	
Receptor along Lincoln	10	1	250.0	-30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Receptor along Glencoe	11	1	250.0	60.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
Paseo Marina

Eyestone Environmental SKB													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated	
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Receptor along Maxella	1	1	0.0	68.8	71	68.8	5	----	68.8	0.0	0	0.0	
Receptor along Lincoln	10	1	0.0	68.0	66	68.0	10	Snd Lvl	68.0	0.0	8	-8.0	
Receptor along Glencoe	11	1	0.0	64.8	66	64.8	10	----	64.8	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		3	0.0	0.0	0.0								
All Impacted		1	0.0	0.0	0.0								
All that meet NR Goal		1	0.0	0.0	0.0								

Project: Paseo Marina Project EIR

Construction Vibration Impacts

Reference Levels at 25 feet are based on FTA, 2006 (Transit Noise and Vibration Impact Assessment)
Calculations using FTA procedure with $n=$ **1.5**

ON-SITE CONSTRUCTION ACTIVITIES

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures (distance in feet), PPV					
		Commercial building to the North	Supermarket building to the south	Residential building to the east	Residential building to the west		
		80	25	90	50		
Large Bulldozer	0.089	0.016	0.089	0.013	0.032		
Caisson Drilling	0.089	0.016	0.089	0.013	0.032		
Loaded Trucks	0.076	0.013	0.076	0.011	0.027		
Jackhammer	0.035	0.006	0.035	0.005	0.012		
Small bulldozer	0.003	0.001	0.003	0.0004	0.001		
Significance Threshold, PPV		0.2	0.2	0.2	0.2		

Table 2: 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		
		50	140	90	135		
Large Bulldozer	87	78	65	70	65		
Caisson Drilling	87	78	65	70	65		
Loaded Trucks	86	77	64	69	64		
Jackhammer	79	70	57	62	57		
Small bulldozer	58	49	36	41	36		
Significance Threshold, VdB		72	72	72	72		

OFF-SITE CONSTRUCTION HAUL TRUCKS

Table 3: Off-Site Haul Trucks - Building Damage

Equipment	Reference Vibration Levels at 50 ft., PPV	Estimated Vibration Levels at noted distance in feet, PPV					
		20					
Typical road surface	0.00565	0.022					
Significance Threshold, PPV		0.12					

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

Table 4: Off-Site Haul Trucks - Human Annoyance

Equipment	Reference Vibration Levels at 50 ft., VdB	Estimated Vibration Levels at noted distance in feet, VdB					
		20					
Typical road surface	63	75					
Significance Threshold, VdB		72					

Ref. Levels based on FTA Figure 7-3

Operation Noise Calculations

Project Composite Noise Calculations (CNEL)

Project: Paseo Marina - Option A

Receptor	Ambient	Traffic ^a	Mechanical	Loading	Parking	Outdoor		Project Composite	Ambient + Project	Increase
R1	65.7	42.9	48.0	42.5	34.2	54.0		55.5	66.1	0.4
R1U	65.7	42.9	61.6	39.4	35.9	53.7		62.3	67.3	1.6
R2	59.8	40.2	52.8	23.9	20.2	60.1		60.9	63.4	3.6
R2U	59.8	40.2	59.3	13.5	25.8	59.9		62.6	64.5	4.7
R3	69.0	53.0	52.6	27.5	32.6	62.1		63.0	70.0	1.0
R3U	69.0	51.8	54.4	28.7	34.1	66.9		67.3	71.2	2.2
R4	68.9	55.9	51.2	25.4	29.5	61.8		63.1	69.9	1.0
R4U	68.9	52.8	55.5	27.4	33.8	64.3		65.1	70.4	1.5

^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.

U - Represents upper levels.

Receptor	Roadway Segment	Traffic Noise Levels, CNEL			distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
		Existing	Existing + Project	Project Only						
R1	Maxella Ave.	59.2	59.3	42.9	175	66.3	66.4	0	40	-7.1
R1U	Maxella Ave.	59.2	59.3	42.9	175	66.3	66.4	0	40	-7.1
R2	Glencoe Ave.	56.5	56.6	40.2	550	69.3	69.4	0	30	-12.8
R2U	Glencoe Ave.	56.5	56.6	40.2	550	69.3	69.4	0	30	-12.8
R3	Glencoe Ave.	69.3	69.4	53.0	10	69.3	69.4	0	30	0.0
R3U	Glencoe Ave.	68.1	68.2	51.8	20	69.3	69.4	0	30	-1.2
R4	Glencoe Ave.	69.2	69.4	55.9	10	69.2	69.4	0	30	0.0
R4U	Glencoe Ave.	66.0	66.2	52.8	42	69.2	69.4	0	30	-3.2

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

Receptor	Ambient	Traffic	Mechanical	Loading	Parking	Outdoor		Project Composite	Ambient + Project	Increase
R1	65.7	42.9	61.6	39.4	35.9	53.7		62.3	67.3	1.6
R2	59.8	40.2	59.3	13.5	25.8	59.9		62.6	64.5	4.7
R3	69.0	51.8	54.4	28.7	34.1	66.9		67.3	71.2	2.2
R4	68.9	52.8	55.5	27.4	33.8	64.3		65.1	70.4	1.5

Outdoor Mechanical Equipment Noise Calculations

Project: Paseo Marina - Option A

		Hours of Operations			
Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)	
Receptor	Leq	CNEL			
R1	41.3	48.0	41.3	41.3	41.3
R1U	54.9	61.6	54.9	54.9	54.9
R2	46.1	52.8	46.1	46.1	46.1
R2U	52.6	59.3	52.6	52.6	52.6
R3	45.9	52.6	45.9	45.9	45.9
R3U	47.7	54.4	47.7	47.7	47.7
R4	44.5	51.2	44.5	44.5	44.5
R4U	48.8	55.5	48.8	48.8	48.8

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	65.7	65.8	0.1	57.1	57.2	0.1
R1U	65.7	67.1	1.4	57.1	59.1	2.0
R2	59.8	60.6	0.8	54.9	55.4	0.5
R2U	59.8	62.6	2.8	54.9	56.9	2.0
R3	69.0	69.1	0.1	63.6	63.7	0.1
R3U	69.0	69.1	0.1	63.6	63.7	0.1
R4	68.9	69.0	0.1	61.9	62.0	0.1
R4U	68.9	69.1	0.2	61.9	62.1	0.2

Receptor	Ambient, (Leq)	Project, (Leq)	Amb+Project, (Leq)	Criteria, (Leq)	Exceedance
R1	57.1	54.9	59.1	62.1	0.0
R2	54.9	52.6	56.9	59.9	0.0
R3	63.6	47.7	63.7	68.6	0.0
R4	61.9	48.8	62.1	66.9	0.0

Loading & Trash Compactor Noise Calculations

Project: Paseo Marina - Option A

Estimated noise levels, Leq (FROM SOUNDPLAN)					Hours of Operatic	
Receptor	Loading	Trash Compactor	Total, Leq	CNEL	Ld (7am to 7pm)	Le (7pm to 10pm)
					3	3
R1	43.7	40.1	45.3	42.5	39.3	45.3
R1U	39.5	38.9	42.2	39.4	36.2	42.2
R2	26.6	10.5	26.7	23.9	20.7	26.7
R2U	15.3	3.4	15.6	13.5	9.6	15.6
R3	29.8	21.0	30.3	27.5	24.3	30.3
R3U	30.6	24.4	31.5	28.7	25.5	31.5
R4	27.5	19.7	28.2	25.4	22.2	28.2
R4U	29.0	23.9	30.2	27.4	24.2	30.2

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)
R1	65.7	65.7	0.0	63.4	45.3	63.5
R1U	65.7	65.7	0.0	63.4	42.2	63.4
R2	59.8	59.8	0.0	56.1	26.7	56.1
R2U	59.8	59.8	0.0	56.1	15.6	56.1
R3	69.0	69.0	0.0	66.4	30.3	66.4
R3U	69.0	69.0	0.0	66.4	31.5	66.4
R4	68.9	68.9	0.0	68.6	28.2	68.6
R4U	68.9	68.9	0.0	68.6	30.2	68.6

Receptor	Ambient, (Leq)	Project, (Leq)	Ambient + Project, (Leq)	Criteria, (Leq)	Exceedance
R1	57.1	45.3	57.4	62.1	0.0
R2	54.9	26.7	54.9	59.9	0.0
R3	63.6	31.5	63.6	68.6	0.0
R4	61.9	30.2	61.9	66.9	0.0

Parking Structure Noise Calculations

Project: Paseo Marina - Option A

		Hours of Operations			
Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)	
Receptor	Leq	CNEL			
R1	28.9	34.2	28.9	28.9	27.1
R1U	30.6	35.9	30.6	30.6	28.8
R2	14.9	20.2	14.9	14.9	13.1
R2U	20.5	25.8	20.5	20.5	18.7
R3	27.3	32.6	27.3	27.3	25.5
R3U	28.8	34.1	28.8	28.8	27.0
R4	24.2	29.5	24.2	24.2	22.4
R4U	28.5	33.8	28.5	28.5	26.7

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	65.7	65.7	0.0	57.1	57.1	0.0
R1U	65.7	65.7	0.0	57.1	57.1	0.0
R2	59.8	59.8	0.0	54.9	54.9	0.0
R2U	59.8	59.8	0.0	54.9	54.9	0.0
R3	69.0	69.0	0.0	63.6	63.6	0.0
R3U	69.0	69.0	0.0	63.6	63.6	0.0
R4	68.9	68.9	0.0	61.9	61.9	0.0
R4U	68.9	68.9	0.0	61.9	61.9	0.0

Receptor	Ambient	Project	Amb+Project	Criteria	Exceedance
R1	57.1	30.6	57.1	62.1	0.0
R2	54.9	20.5	54.9	59.9	0.0
R3	63.6	28.8	63.6	68.6	0.0
R4	61.9	28.5	61.9	66.9	0.0

Outdoor Noise Calculations

Project: Paseo Marina - Option A

					Hours of Operations		
Estimated noise levels, Leq (FROM SOUNDPLAN)					Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	System	Occupants	Total, Leq	CNEL	12	2	2
R1	51.8	39.5	52.0	54.0	52.0	50.2	45.5
R1U	51.4	39.6	51.7	53.7	51.7	49.9	45.2
R2	57.1	51.1	58.1	60.1	58.1	56.3	51.6
R2U	56.8	51.6	57.9	59.9	57.9	56.1	51.4
R3	59.9	45.6	60.1	62.1	60.1	58.3	53.6
R3U	64.8	49.2	64.9	66.9	64.9	63.1	58.4
R4	59.7	42.2	59.8	61.8	59.8	58.0	53.3
R4U	62.2	45.4	62.3	64.3	62.3	60.5	55.8

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	65.7	66.0	0.3	57.1	52.0	58.3	1.2
R1U	65.7	66.0	0.3	57.1	51.7	58.2	1.1
R2	59.8	63.0	3.2	54.9	58.1	59.8	4.9
R2U	59.8	62.9	3.1	54.9	57.9	59.7	4.8
R3	69.0	69.8	0.8	63.6	60.1	65.2	1.6
R3U	69.0	71.1	2.1	63.6	64.9	67.3	3.7
R4	68.9	69.7	0.8	61.9	59.8	64.0	2.1
R4U	68.9	70.2	1.3	61.9	62.3	65.1	3.2

Receptor	Ambient, (Leq)	Project, (Leq)	Ambient + Project, (Leq)	Criteria, (Leq)	Exceedance
R1	57.1	52.0	58.3	62.1	0.0
R2	54.9	58.1	59.8	59.9	0.0
R3	63.6	64.9	67.3	68.6	0.0
R4	61.9	62.3	65.1	66.9	0.0

Project Composite Noise Calculations (CNEL)

Project: Paseo Marina - Option B

Receptor	Ambient	Traffic ^a	Mechanical	Loading	Parking	Outdoor		Project Composite	Ambient + Project	Increase
R1	65.7	42.9	47.9	63.4	48.8	47.2		63.8	67.8	2.1
R1U	65.7	42.9	59.0	43.7	47.7	57.7		61.7	67.2	1.5
R2	59.8	43.2	51.8	54.6	35.5	54.6		58.8	62.3	2.5
R2U	59.8	43.2	58.0	53.2	35.3	59.2		62.3	64.2	4.4
R3	69.0	56.0	50.9	25.5	27.8	62.9		64.0	70.2	1.2
R3U	69.0	54.8	52.9	25.0	27.0	64.9		65.6	70.6	1.6
R4	68.9	55.9	49.7	23.8	26.9	57.5		60.2	69.5	0.6
R4U	68.9	52.8	54.0	22.7	26.9	59.2		61.1	69.6	0.7

^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.

U - Represents upper levels.

Receptor	Roadway Segment	Traffic Noise Levels, CNEL			distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
		Existing	Existing + Project	Project Only						
R1	Maxella Ave.	59.2	59.3	42.9	175	66.3	66.4	0	40	-7.1
R1U	Maxella Ave.	59.2	59.3	42.9	175	66.3	66.4	0	40	-7.1
R2	Glencoe Ave.	56.5	56.7	43.2	550	69.3	69.5	0	30	-12.8
R2U	Glencoe Ave.	56.5	56.7	43.2	550	69.3	69.5	0	30	-12.8
R3	Glencoe Ave.	69.3	69.5	56.0	10	69.3	69.5	0	30	0.0
R3U	Glencoe Ave.	68.1	68.3	54.8	20	69.3	69.5	0	30	-1.2
R4	Glencoe Ave.	69.2	69.4	55.9	10	69.2	69.4	0	30	0.0
R4U	Glencoe Ave.	66.0	66.2	52.8	42	69.2	69.4	0	30	-3.2

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

Receptor	Ambient	Traffic	Mechanical	Loading	Parking	Outdoor		Project Composite	Ambient + Project	Increase
R1	65.7	42.9	47.9	63.4	48.8	47.2		63.8	67.8	2.1
R2	59.8	43.2	58.0	53.2	35.3	59.2		62.3	64.2	4.4
R3	69.0	54.8	52.9	25.0	27.0	64.9		65.6	70.6	1.6
R4	68.9	52.8	54.0	22.7	26.9	59.2		61.1	69.6	0.7

Outdoor Mechanical Equipment Noise Calculations

Project: Paseo Marina - Option B

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations		
			Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
	Leq	CNEL	12	3	9
R1	41.2	47.9	41.2	41.2	41.2
R1U	52.3	59.0	52.3	52.3	52.3
R2	45.1	51.8	45.1	45.1	45.1
R2U	51.3	58.0	51.3	51.3	51.3
R3	44.2	50.9	44.2	44.2	44.2
R3U	46.2	52.9	46.2	46.2	46.2
R4	43.0	49.7	43.0	43.0	43.0
R4U	47.3	54.0	47.3	47.3	47.3

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	65.7	65.8	0.1	57.1	57.2	0.1
R1U	65.7	66.5	0.8	57.1	58.3	1.2
R2	59.8	60.4	0.6	54.9	55.3	0.4
R2U	59.8	62.0	2.2	54.9	56.5	1.6
R3	69.0	69.1	0.1	63.6	63.6	0.0
R3U	69.0	69.1	0.1	63.6	63.7	0.1
R4	68.9	69.0	0.1	61.9	62.0	0.1
R4U	68.9	69.0	0.1	61.9	62.0	0.1

Receptor	Ambient, (Leq)	Project, (Leq)	Amb+Project, (Leq)	Criteria, (Leq)	Exceedance
R1	57.1	52.3	58.3	62.1	0.0
R2	54.9	51.3	56.5	59.9	0.0
R3	63.6	46.2	63.7	68.6	0.0
R4	61.9	47.3	62.0	66.9	0.0

Loading & Trash Compactor Noise Calculations

Project: Paseo Marina - Option B

Estimated noise levels, Leq (FROM SOUNDPLAN)					Hours of Operatic	
Receptor	Loading	Trash Compactor	Total, Leq	CNEL	Ld (7am to 7pm)	Le (7pm to 10pm)
					3	3
R1	66.1	51.3	66.2	63.4	60.2	66.2
R1U	46.3	33.5	46.5	43.7	40.5	46.5
R2	57.4	13.9	57.4	54.6	51.4	57.4
R2U	56.0	21.5	56.0	53.2	50.0	56.0
R3	28.2	9.2	28.3	25.5	22.3	28.3
R3U	27.7	9.2	27.8	25.0	21.8	27.8
R4	26.6	3.2	26.6	23.8	20.6	26.6
R4U	25.4	7.6	25.5	22.7	19.5	25.5

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)
R1	65.7	67.7	2.0	63.4	66.2	68.0
R1U	65.7	65.7	0.0	63.4	46.5	63.5
R2	59.8	60.9	1.1	56.1	57.4	59.8
R2U	59.8	60.7	0.9	56.1	56.0	59.1
R3	69.0	69.0	0.0	66.4	28.3	66.4
R3U	69.0	69.0	0.0	66.4	27.8	66.4
R4	68.9	68.9	0.0	68.6	26.6	68.6
R4U	68.9	68.9	0.0	68.6	25.5	68.6

Receptor	Ambient, (Leq)	Project, (Leq)	Ambient + Project, (Leq)	Criteria, (Leq)	Exceedance
R1	57.1	66.2	66.7	62.1	4.6
R2	54.9	57.4	59.3	59.9	0.0
R3	63.6	28.3	63.6	68.6	0.0
R4	61.9	26.6	61.9	66.9	0.0

Parking Structure Noise Calculations

Project: Paseo Marina - Option B

		Hours of Operations			
Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)	
Receptor	Leq	CNEL	12	3	6
R1	43.5	48.8	43.5	43.5	41.7
R1U	42.4	47.7	42.4	42.4	40.6
R2	30.2	35.5	30.2	30.2	28.4
R2U	30.0	35.3	30.0	30.0	28.2
R3	22.5	27.8	22.5	22.5	20.7
R3U	21.7	27.0	21.7	21.7	19.9
R4	21.6	26.9	21.6	21.6	19.8
R4U	21.6	26.9	21.6	21.6	19.8

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	65.7	65.8	0.1	57.1	57.3	0.2
R1U	65.7	65.8	0.1	57.1	57.2	0.1
R2	59.8	59.8	0.0	54.9	54.9	0.0
R2U	59.8	59.8	0.0	54.9	54.9	0.0
R3	69.0	69.0	0.0	63.6	63.6	0.0
R3U	69.0	69.0	0.0	63.6	63.6	0.0
R4	68.9	68.9	0.0	61.9	61.9	0.0
R4U	68.9	68.9	0.0	61.9	61.9	0.0

Receptor	Ambient	Project	Amb+Project	Criteria	Exceedance
R1	57.1	43.5	57.3	62.1	0.0
R2	54.9	30.2	54.9	59.9	0.0
R3	63.6	22.5	63.6	68.6	0.0
R4	61.9	21.6	61.9	66.9	0.0

Outdoor Noise Calculations

Project: Paseo Marina - Option B

					Hours of Operations		
Estimated noise levels, Leq (FROM SOUNDPLAN)					Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	System	Occupants	Total, Leq	CNEL	12	2	2
R1	41.1	43.1	45.2	47.2	45.2	43.4	38.7
R1U	51.4	53.7	55.7	57.7	55.7	53.9	49.2
R2	49.4	49.8	52.6	54.6	52.6	50.8	46.1
R2U	53.4	54.9	57.2	59.2	57.2	55.4	50.7
R3	59.8	54.2	60.9	62.9	60.9	59.1	54.4
R3U	61.9	56.2	62.9	64.9	62.9	61.1	56.4
R4	54.5	48.6	55.5	57.5	55.5	53.7	49.0
R4U	55.9	51.5	57.2	59.2	57.2	55.4	50.7

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	65.7	65.8	0.1	57.1	45.2	57.4	0.3
R1U	65.7	66.3	0.6	57.1	55.7	59.5	2.4
R2	59.8	61.0	1.2	54.9	52.6	56.9	2.0
R2U	59.8	62.5	2.7	54.9	57.2	59.2	4.3
R3	69.0	70.0	1.0	63.6	60.9	65.5	1.9
R3U	69.0	70.4	1.4	63.6	62.9	66.3	2.7
R4	68.9	69.2	0.3	61.9	55.5	62.8	0.9
R4U	68.9	69.3	0.4	61.9	57.2	63.2	1.3

Receptor	Ambient, (Leq)	Project, (Leq)	Ambient + Project, (Leq)	Criteria, (Leq)	Exceedance
R1	57.1	55.7	59.5	62.1	0.0
R2	54.9	57.2	59.2	59.9	0.0
R3	63.6	62.9	66.3	68.6	0.0
R4	61.9	57.2	63.2	66.9	0.0

Paseo Marina-Option A

Source Levels in dB(A) - Option A - Mechanical

3

Name	Source type	Lw dB(A)	
Building 2 - AC 39	Point	85.0	
Building 1 - AC 1	Point	85.0	
Building 1 - AC 2	Point	85.0	
Building 1 - AC 3	Point	85.0	
Building 1 - AC 4	Point	85.0	
Building 1 - AC 5	Point	85.0	
Building 1 - AC 6	Point	85.0	
Building 1 - AC 7	Point	85.0	
Building 1 - AC 8	Point	85.0	
Building 1 - AC 9	Point	85.0	
Building 1 - AC 10	Point	85.0	
Building 1 - AC 11	Point	85.0	
Building 1 - AC 12	Point	85.0	
Building 1 - AC 13	Point	85.0	
Building 1 - AC 14	Point	85.0	
Building 1 - AC 15	Point	85.0	
Building 1 - AC 16	Point	85.0	
Building 1 - AC 17	Point	85.0	
Building 1 - AC 18	Point	85.0	
Building 1 - AC 19	Point	85.0	
Building 1 - AC 20	Point	85.0	
Building 1 - AC 21	Point	85.0	
Building 1 - AC 22	Point	85.0	
Building 1 - AC 23	Point	85.0	
Building 1 - AC 24	Point	85.0	
Building 1 - AC 25	Point	85.0	
Building 1 - AC 26	Point	85.0	
Building 1 - AC 27	Point	85.0	
Building 1 - AC 28	Point	85.0	
Building 1 - AC 29	Point	85.0	
Building 1 - AC 30	Point	85.0	
Building 1 - AC 31	Point	85.0	
Building 1 - AC 32	Point	85.0	
Building 1 - AC 33	Point	85.0	
Building 1 - AC 34	Point	85.0	
Building 1 - AC 35	Point	85.0	
Building 1 - AC 36	Point	85.0	
Building 1 - AC 37	Point	85.0	
Building 1 - AC 38	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina-Option A

Source Levels in dB(A) - Option A - Mechanical

3

Name	Source type	Lw dB(A)	
Building 1 - AC 39	Point	85.0	
Building 1 - AC 40	Point	85.0	
Building 1 - AC 41	Point	85.0	
Building 1 - AC 42	Point	85.0	
Building 1 - AC 43	Point	85.0	
Building 1 - AC 44	Point	85.0	
Building 1 - AC 45	Point	85.0	
Building 1 - AC 46	Point	85.0	
Building 1 - AC 47	Point	85.0	
Building 1 - AC 48	Point	85.0	
Building 1 - AC 49	Point	85.0	
Building 1 - AC 50	Point	85.0	
Building 1 - AC 51	Point	85.0	
Building 1 - AC 52	Point	85.0	
Building 2 - AC 1	Point	85.0	
Building 2 - AC 2	Point	85.0	
Building 2 - AC 3	Point	85.0	
Building 2 - AC 4	Point	85.0	
Building 2 - AC 5	Point	85.0	
Building 2 - AC 6	Point	85.0	
Building 2 - AC 7	Point	85.0	
Building 2 - AC 8	Point	85.0	
Building 2 - AC 9	Point	85.0	
Building 2 - AC 10	Point	85.0	
Building 2 - AC 11	Point	85.0	
Building 2 - AC 12	Point	85.0	
Building 2 - AC 13	Point	85.0	
Building 2 - AC 14	Point	85.0	
Building 2 - AC 15	Point	85.0	
Building 2 - AC 16	Point	85.0	
Building 2 - AC 17	Point	85.0	
Building 2 - AC 18	Point	85.0	
Building 2 - AC 19	Point	85.0	
Building 2 - AC 20	Point	85.0	
Building 2 - AC 21	Point	85.0	
Building 2 - AC 22	Point	85.0	
Building 2 - AC 23	Point	85.0	
Building 2 - AC 24	Point	85.0	
Building 2 - AC 25	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

2

Paseo Marina-Option A

Source Levels in dB(A) - Option A - Mechanical

3

Name	Source type	Lw dB(A)	
Building 2 - AC 26	Point	85.0	
Building 2 - AC 27	Point	85.0	
Building 2 - AC 28	Point	85.0	
Building 2 - AC 29	Point	85.0	
Building 2 - AC 30	Point	85.0	
Building 2 - AC 31	Point	85.0	
Building 2 - AC 32	Point	85.0	
Building 2 - AC 33	Point	85.0	
Building 2 - AC 34	Point	85.0	
Building 2 - AC 35	Point	85.0	
Building 2 - AC 36	Point	85.0	
Building 2 - AC 37	Point	85.0	
Building 2 - AC 38	Point	85.0	
Building 2 - AC 40	Point	85.0	
Building 2 - AC 41	Point	85.0	
Building 2 - AC 42	Point	85.0	
Building 2 - AC 43	Point	85.0	
Building 2 - AC 44	Point	85.0	
Building 2 - AC 45	Point	85.0	
Building 2 - AC 46	Point	85.0	
Building 2 - AC 47	Point	85.0	
Building 2 - AC 48	Point	85.0	
Building 2 - AC 49	Point	85.0	
Building 2 - AC 50	Point	85.0	
Building 2 - AC 51	Point	85.0	
Building 2 - AC 52	Point	85.0	
Building 2 - AC 53	Point	85.0	
Building 3 - AC 1	Point	85.0	
Building 3 - AC 2	Point	85.0	
Building 3 - AC 3	Point	85.0	
Building 3 - AC 4	Point	85.0	
Building 3 - AC 5	Point	85.0	
Building 3 - AC 6	Point	85.0	
Building 3 - AC 7	Point	85.0	
Building 3 - AC 8	Point	85.0	
Building 3 - AC 9	Point	85.0	
Building 3 - AC 10	Point	85.0	
Building 3 - AC 11	Point	85.0	
Building 3 - AC 12	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

3

Paseo Marina-Option A

Source Levels in dB(A) - Option A - Mechanical

3

Name	Source type	Lw dB(A)	
Building 3 - AC 13	Point	85.0	
Building 3 - AC 14	Point	85.0	
Building 3 - AC 15	Point	85.0	
Building 3 - AC 16	Point	85.0	
Building 3 - AC 17	Point	85.0	
Building 3 - AC 18	Point	85.0	
Building 3 - AC 19	Point	85.0	
Building 3 - AC 20	Point	85.0	
Building 3 - AC 21	Point	85.0	
Building 3 - AC 22	Point	85.0	
Building 3 - AC 23	Point	85.0	
Building 3 - AC 24	Point	85.0	
Building 3 - AC 25	Point	85.0	
Building 3 - AC 26	Point	85.0	
Building 3 - AC 27	Point	85.0	
Building 3 - AC 28	Point	85.0	
Building 3 - AC 29	Point	85.0	
Building 3 - AC 30	Point	85.0	
Building 3 - AC 31	Point	85.0	
Building 3 - AC 32	Point	85.0	
Building 3 - AC 33	Point	85.0	
Building 3 - AC 34	Point	85.0	
Building 3 - AC 35	Point	85.0	
Building 3 - AC 36	Point	85.0	
Building 3 - AC 37	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

4

Paseo Marina-Option A

Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl G Leq,d 41.3 dB(A)			
Building 3 - AC 1	Point	13.4	
Building 3 - AC 2	Point	12.0	
Building 3 - AC 3	Point	13.3	
Building 3 - AC 4	Point	13.2	
Building 3 - AC 5	Point	13.0	
Building 3 - AC 6	Point	12.9	
Building 3 - AC 7	Point	12.8	
Building 3 - AC 8	Point	12.6	
Building 3 - AC 9	Point	12.5	
Building 3 - AC 10	Point	12.3	
Building 3 - AC 11	Point	12.2	
Building 3 - AC 12	Point	13.1	
Building 3 - AC 13	Point	13.0	
Building 3 - AC 14	Point	12.9	
Building 3 - AC 15	Point	12.8	
Building 3 - AC 16	Point	12.6	
Building 3 - AC 17	Point	12.5	
Building 3 - AC 18	Point	12.4	
Building 3 - AC 19	Point	12.3	
Building 3 - AC 20	Point	12.2	
Building 3 - AC 21	Point	12.1	
Building 3 - AC 22	Point	12.0	
Building 3 - AC 23	Point	11.9	
Building 3 - AC 24	Point	11.8	
Building 3 - AC 25	Point	11.7	
Building 3 - AC 26	Point	11.6	
Building 3 - AC 27	Point	11.5	
Building 3 - AC 28	Point	11.3	
Building 3 - AC 29	Point	11.2	
Building 3 - AC 30	Point	11.1	
Building 3 - AC 31	Point	11.0	
Building 3 - AC 32	Point	10.9	
Building 3 - AC 33	Point	10.8	
Building 3 - AC 34	Point	10.7	
Building 3 - AC 35	Point	10.6	
Building 3 - AC 36	Point	10.5	
Building 3 - AC 37	Point	10.4	
Building 1 - AC 1	Point	25.5	
Building 1 - AC 2	Point	25.9	
Building 1 - AC 3	Point	26.2	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 4	Point	26.0	
Building 1 - AC 5	Point	25.8	
Building 1 - AC 6	Point	25.8	
Building 1 - AC 7	Point	25.9	
Building 1 - AC 8	Point	25.6	
Building 1 - AC 9	Point	27.5	
Building 1 - AC 10	Point	26.0	
Building 1 - AC 11	Point	26.8	
Building 1 - AC 12	Point	26.6	
Building 1 - AC 13	Point	26.1	
Building 1 - AC 14	Point	26.3	
Building 1 - AC 15	Point	26.5	
Building 1 - AC 16	Point	27.0	
Building 1 - AC 17	Point	27.4	
Building 1 - AC 18	Point	27.3	
Building 1 - AC 19	Point	27.2	
Building 1 - AC 20	Point	23.1	
Building 1 - AC 21	Point	17.5	
Building 1 - AC 22	Point	19.8	
Building 1 - AC 23	Point	21.3	
Building 1 - AC 24	Point	18.5	
Building 1 - AC 25	Point	22.1	
Building 1 - AC 26	Point	20.5	
Building 1 - AC 27	Point	18.9	
Building 1 - AC 28	Point	17.9	
Building 1 - AC 29	Point	22.5	
Building 1 - AC 30	Point	21.5	
Building 1 - AC 31	Point	21.0	
Building 1 - AC 32	Point	20.0	
Building 1 - AC 33	Point	19.3	
Building 1 - AC 34	Point	18.7	
Building 1 - AC 35	Point	18.3	
Building 1 - AC 36	Point	17.7	
Building 1 - AC 37	Point	18.1	
Building 1 - AC 38	Point	20.8	
Building 1 - AC 39	Point	20.3	
Building 1 - AC 40	Point	19.6	
Building 1 - AC 41	Point	19.1	
Building 1 - AC 42	Point	18.8	
Building 1 - AC 43	Point	17.8	
Building 1 - AC 44	Point	18.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 45	Point	18.7	
Building 1 - AC 46	Point	18.5	
Building 1 - AC 47	Point	18.7	
Building 1 - AC 48	Point	18.6	
Building 1 - AC 49	Point	18.3	
Building 1 - AC 50	Point	17.9	
Building 1 - AC 51	Point	18.2	
Building 1 - AC 52	Point	18.0	
Building 2 - AC 53	Point	14.2	
Building 2 - AC 52	Point	12.3	
Building 2 - AC 51	Point	13.3	
Building 2 - AC 50	Point	14.1	
Building 2 - AC 49	Point	13.5	
Building 2 - AC 48	Point	13.9	
Building 2 - AC 47	Point	13.6	
Building 2 - AC 46	Point	13.1	
Building 2 - AC 45	Point	12.6	
Building 2 - AC 44	Point	12.9	
Building 2 - AC 43	Point	12.8	
Building 2 - AC 42	Point	15.3	
Building 2 - AC 41	Point	14.8	
Building 2 - AC 40	Point	15.3	
Building 2 - AC 39	Point	15.2	
Building 2 - AC 38	Point	14.9	
Building 2 - AC 37	Point	15.2	
Building 2 - AC 36	Point	15.0	
Building 2 - AC 35	Point	15.1	
Building 2 - AC 34	Point	15.0	
Building 2 - AC 33	Point	15.1	
Building 2 - AC 32	Point	15.0	
Building 2 - AC 31	Point	15.3	
Building 2 - AC 30	Point	15.3	
Building 2 - AC 29	Point	15.3	
Building 2 - AC 28	Point	15.3	
Building 2 - AC 27	Point	15.3	
Building 2 - AC 26	Point	15.3	
Building 2 - AC 25	Point	15.3	
Building 2 - AC 24	Point	15.3	
Building 2 - AC 23	Point	17.2	
Building 2 - AC 22	Point	12.8	
Building 2 - AC 21	Point	14.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
3

Paseo Marina-Option A

Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 20	Point	14.6	
Building 2 - AC 19	Point	12.9	
Building 2 - AC 18	Point	14.4	
Building 2 - AC 17	Point	13.0	
Building 2 - AC 16	Point	14.2	
Building 2 - AC 15	Point	13.2	
Building 2 - AC 14	Point	14.0	
Building 2 - AC 13	Point	13.4	
Building 2 - AC 12	Point	13.8	
Building 2 - AC 11	Point	13.6	
Building 2 - AC 10	Point	16.9	
Building 2 - AC 9	Point	14.9	
Building 2 - AC 8	Point	16.7	
Building 2 - AC 7	Point	15.2	
Building 2 - AC 6	Point	16.4	
Building 2 - AC 5	Point	15.4	
Building 2 - AC 4	Point	16.1	
Building 2 - AC 3	Point	15.6	
Building 2 - AC 2	Point	16.0	
Building 2 - AC 1	Point	15.8	
Receiver R1 FI F2 Leq,d 54.9 dB(A)			
Building 3 - AC 1	Point	27.3	
Building 3 - AC 2	Point	26.0	
Building 3 - AC 3	Point	27.2	
Building 3 - AC 4	Point	27.1	
Building 3 - AC 5	Point	26.9	
Building 3 - AC 6	Point	26.8	
Building 3 - AC 7	Point	26.7	
Building 3 - AC 8	Point	26.5	
Building 3 - AC 9	Point	26.4	
Building 3 - AC 10	Point	26.3	
Building 3 - AC 11	Point	26.1	
Building 3 - AC 12	Point	27.1	
Building 3 - AC 13	Point	27.0	
Building 3 - AC 14	Point	26.9	
Building 3 - AC 15	Point	26.8	
Building 3 - AC 16	Point	26.7	
Building 3 - AC 17	Point	26.6	
Building 3 - AC 18	Point	26.5	
Building 3 - AC 19	Point	26.4	
Building 3 - AC 20	Point	26.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
4

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3 - AC 21	Point	26.2	
Building 3 - AC 22	Point	26.1	
Building 3 - AC 23	Point	26.0	
Building 3 - AC 24	Point	25.9	
Building 3 - AC 25	Point	25.8	
Building 3 - AC 26	Point	25.7	
Building 3 - AC 27	Point	25.6	
Building 3 - AC 28	Point	25.6	
Building 3 - AC 29	Point	25.5	
Building 3 - AC 30	Point	25.4	
Building 3 - AC 31	Point	25.3	
Building 3 - AC 32	Point	25.2	
Building 3 - AC 33	Point	25.1	
Building 3 - AC 34	Point	25.0	
Building 3 - AC 35	Point	24.8	
Building 3 - AC 36	Point	24.7	
Building 3 - AC 37	Point	24.6	
Building 1 - AC 1	Point	39.1	
Building 1 - AC 2	Point	39.9	
Building 1 - AC 3	Point	39.9	
Building 1 - AC 4	Point	39.7	
Building 1 - AC 5	Point	39.4	
Building 1 - AC 6	Point	39.8	
Building 1 - AC 7	Point	39.9	
Building 1 - AC 8	Point	39.4	
Building 1 - AC 9	Point	41.3	
Building 1 - AC 10	Point	38.4	
Building 1 - AC 11	Point	40.1	
Building 1 - AC 12	Point	39.8	
Building 1 - AC 13	Point	38.8	
Building 1 - AC 14	Point	39.1	
Building 1 - AC 15	Point	39.5	
Building 1 - AC 16	Point	40.4	
Building 1 - AC 17	Point	41.2	
Building 1 - AC 18	Point	41.0	
Building 1 - AC 19	Point	40.7	
Building 1 - AC 20	Point	36.5	
Building 1 - AC 21	Point	31.0	
Building 1 - AC 22	Point	33.6	
Building 1 - AC 23	Point	35.4	
Building 1 - AC 24	Point	32.1	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
5

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 25	Point	36.0	
Building 1 - AC 26	Point	34.4	
Building 1 - AC 27	Point	32.6	
Building 1 - AC 28	Point	31.5	
Building 1 - AC 29	Point	36.3	
Building 1 - AC 30	Point	35.7	
Building 1 - AC 31	Point	35.1	
Building 1 - AC 32	Point	33.9	
Building 1 - AC 33	Point	33.0	
Building 1 - AC 34	Point	32.3	
Building 1 - AC 35	Point	31.9	
Building 1 - AC 36	Point	31.3	
Building 1 - AC 37	Point	31.7	
Building 1 - AC 38	Point	34.8	
Building 1 - AC 39	Point	34.2	
Building 1 - AC 40	Point	33.3	
Building 1 - AC 41	Point	32.8	
Building 1 - AC 42	Point	32.0	
Building 1 - AC 43	Point	31.3	
Building 1 - AC 44	Point	31.7	
Building 1 - AC 45	Point	32.0	
Building 1 - AC 46	Point	31.8	
Building 1 - AC 47	Point	31.9	
Building 1 - AC 48	Point	31.9	
Building 1 - AC 49	Point	31.6	
Building 1 - AC 50	Point	31.4	
Building 1 - AC 51	Point	31.5	
Building 1 - AC 52	Point	31.4	
Building 2 - AC 53	Point	27.9	
Building 2 - AC 52	Point	26.2	
Building 2 - AC 51	Point	27.0	
Building 2 - AC 50	Point	27.8	
Building 2 - AC 49	Point	27.2	
Building 2 - AC 48	Point	27.6	
Building 2 - AC 47	Point	27.4	
Building 2 - AC 46	Point	26.9	
Building 2 - AC 45	Point	26.4	
Building 2 - AC 44	Point	26.7	
Building 2 - AC 43	Point	26.5	
Building 2 - AC 42	Point	28.9	
Building 2 - AC 41	Point	28.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
6

Paseo Marina-Option A

Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 40	Point	28.8	
Building 2 - AC 39	Point	28.7	
Building 2 - AC 38	Point	28.4	
Building 2 - AC 37	Point	28.7	
Building 2 - AC 36	Point	28.5	
Building 2 - AC 35	Point	28.6	
Building 2 - AC 34	Point	28.5	
Building 2 - AC 33	Point	28.6	
Building 2 - AC 32	Point	28.6	
Building 2 - AC 31	Point	28.9	
Building 2 - AC 30	Point	28.8	
Building 2 - AC 29	Point	28.9	
Building 2 - AC 28	Point	28.8	
Building 2 - AC 27	Point	28.9	
Building 2 - AC 26	Point	28.8	
Building 2 - AC 25	Point	28.9	
Building 2 - AC 24	Point	28.8	
Building 2 - AC 23	Point	30.9	
Building 2 - AC 22	Point	26.5	
Building 2 - AC 21	Point	28.4	
Building 2 - AC 20	Point	28.2	
Building 2 - AC 19	Point	26.6	
Building 2 - AC 18	Point	28.1	
Building 2 - AC 17	Point	26.8	
Building 2 - AC 16	Point	27.9	
Building 2 - AC 15	Point	26.9	
Building 2 - AC 14	Point	27.7	
Building 2 - AC 13	Point	27.1	
Building 2 - AC 12	Point	27.5	
Building 2 - AC 11	Point	27.3	
Building 2 - AC 10	Point	30.7	
Building 2 - AC 9	Point	28.8	
Building 2 - AC 8	Point	30.4	
Building 2 - AC 7	Point	29.0	
Building 2 - AC 6	Point	30.2	
Building 2 - AC 5	Point	29.2	
Building 2 - AC 4	Point	29.9	
Building 2 - AC 3	Point	29.4	
Building 2 - AC 2	Point	29.8	
Building 2 - AC 1	Point	29.6	
Receiver R2 FI G Leq,d 46.1 dB(A)			

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
7

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3 - AC 1	Point	26.1	
Building 3 - AC 2	Point	21.0	
Building 3 - AC 3	Point	25.5	
Building 3 - AC 4	Point	24.8	
Building 3 - AC 5	Point	24.2	
Building 3 - AC 6	Point	23.7	
Building 3 - AC 7	Point	23.2	
Building 3 - AC 8	Point	22.7	
Building 3 - AC 9	Point	22.3	
Building 3 - AC 10	Point	21.8	
Building 3 - AC 11	Point	21.4	
Building 3 - AC 12	Point	26.4	
Building 3 - AC 13	Point	26.4	
Building 3 - AC 14	Point	26.3	
Building 3 - AC 15	Point	26.3	
Building 3 - AC 16	Point	26.3	
Building 3 - AC 17	Point	26.3	
Building 3 - AC 18	Point	26.3	
Building 3 - AC 19	Point	26.3	
Building 3 - AC 20	Point	26.2	
Building 3 - AC 21	Point	27.6	
Building 3 - AC 22	Point	27.6	
Building 3 - AC 23	Point	27.1	
Building 3 - AC 24	Point	26.5	
Building 3 - AC 25	Point	24.5	
Building 3 - AC 26	Point	24.0	
Building 3 - AC 27	Point	23.6	
Building 3 - AC 28	Point	23.2	
Building 3 - AC 29	Point	22.9	
Building 3 - AC 30	Point	22.5	
Building 3 - AC 31	Point	22.1	
Building 3 - AC 32	Point	21.8	
Building 3 - AC 33	Point	21.4	
Building 3 - AC 34	Point	21.1	
Building 3 - AC 35	Point	20.7	
Building 3 - AC 36	Point	20.5	
Building 3 - AC 37	Point	20.2	
Building 1 - AC 1	Point	20.1	
Building 1 - AC 2	Point	21.4	
Building 1 - AC 3	Point	21.1	
Building 1 - AC 4	Point	17.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
8

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 5	Point	17.6	
Building 1 - AC 6	Point	21.3	
Building 1 - AC 7	Point	22.9	
Building 1 - AC 8	Point	17.3	
Building 1 - AC 9	Point	22.7	
Building 1 - AC 10	Point	24.6	
Building 1 - AC 11	Point	23.3	
Building 1 - AC 12	Point	22.2	
Building 1 - AC 13	Point	23.8	
Building 1 - AC 14	Point	23.2	
Building 1 - AC 15	Point	22.6	
Building 1 - AC 16	Point	23.1	
Building 1 - AC 17	Point	21.6	
Building 1 - AC 18	Point	22.5	
Building 1 - AC 19	Point	22.7	
Building 1 - AC 20	Point	28.7	
Building 1 - AC 21	Point	27.7	
Building 1 - AC 22	Point	28.5	
Building 1 - AC 23	Point	28.6	
Building 1 - AC 24	Point	28.1	
Building 1 - AC 25	Point	28.6	
Building 1 - AC 26	Point	28.7	
Building 1 - AC 27	Point	28.2	
Building 1 - AC 28	Point	27.9	
Building 1 - AC 29	Point	28.6	
Building 1 - AC 30	Point	28.6	
Building 1 - AC 31	Point	28.8	
Building 1 - AC 32	Point	28.6	
Building 1 - AC 33	Point	28.4	
Building 1 - AC 34	Point	28.2	
Building 1 - AC 35	Point	28.0	
Building 1 - AC 36	Point	27.8	
Building 1 - AC 37	Point	28.0	
Building 1 - AC 38	Point	28.7	
Building 1 - AC 39	Point	28.6	
Building 1 - AC 40	Point	28.4	
Building 1 - AC 41	Point	28.3	
Building 1 - AC 42	Point	23.9	
Building 1 - AC 43	Point	27.6	
Building 1 - AC 44	Point	27.8	
Building 1 - AC 45	Point	19.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
9

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 46	Point	24.5	
Building 1 - AC 47	Point	19.7	
Building 1 - AC 48	Point	19.9	
Building 1 - AC 49	Point	27.9	
Building 1 - AC 50	Point	27.3	
Building 1 - AC 51	Point	22.3	
Building 1 - AC 52	Point	25.3	
Building 2 - AC 53	Point	27.5	
Building 2 - AC 52	Point	23.5	
Building 2 - AC 51	Point	23.6	
Building 2 - AC 50	Point	26.6	
Building 2 - AC 49	Point	24.0	
Building 2 - AC 48	Point	25.6	
Building 2 - AC 47	Point	24.7	
Building 2 - AC 46	Point	23.6	
Building 2 - AC 45	Point	23.6	
Building 2 - AC 44	Point	23.5	
Building 2 - AC 43	Point	23.4	
Building 2 - AC 42	Point	16.3	
Building 2 - AC 41	Point	27.5	
Building 2 - AC 40	Point	24.8	
Building 2 - AC 39	Point	25.0	
Building 2 - AC 38	Point	26.3	
Building 2 - AC 37	Point	19.4	
Building 2 - AC 36	Point	26.2	
Building 2 - AC 35	Point	19.8	
Building 2 - AC 34	Point	25.8	
Building 2 - AC 33	Point	25.3	
Building 2 - AC 32	Point	25.4	
Building 2 - AC 31	Point	16.3	
Building 2 - AC 30	Point	24.7	
Building 2 - AC 29	Point	16.5	
Building 2 - AC 28	Point	17.9	
Building 2 - AC 27	Point	16.7	
Building 2 - AC 26	Point	17.6	
Building 2 - AC 25	Point	17.0	
Building 2 - AC 24	Point	17.3	
Building 2 - AC 23	Point	15.5	
Building 2 - AC 22	Point	19.7	
Building 2 - AC 21	Point	15.2	
Building 2 - AC 20	Point	15.1	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
10

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 19	Point	19.8	
Building 2 - AC 18	Point	15.0	
Building 2 - AC 17	Point	14.8	
Building 2 - AC 16	Point	15.0	
Building 2 - AC 15	Point	14.8	
Building 2 - AC 14	Point	14.9	
Building 2 - AC 13	Point	14.8	
Building 2 - AC 12	Point	14.9	
Building 2 - AC 11	Point	14.9	
Building 2 - AC 10	Point	15.5	
Building 2 - AC 9	Point	15.2	
Building 2 - AC 8	Point	15.5	
Building 2 - AC 7	Point	15.4	
Building 2 - AC 6	Point	15.4	
Building 2 - AC 5	Point	15.4	
Building 2 - AC 4	Point	15.6	
Building 2 - AC 3	Point	15.3	
Building 2 - AC 2	Point	15.5	
Building 2 - AC 1	Point	15.3	
Receiver R2 FI F2 Leq,d 52.6 dB(A)			
Building 3 - AC 1	Point	31.8	
Building 3 - AC 2	Point	29.2	
Building 3 - AC 3	Point	31.6	
Building 3 - AC 4	Point	31.3	
Building 3 - AC 5	Point	31.0	
Building 3 - AC 6	Point	30.8	
Building 3 - AC 7	Point	30.5	
Building 3 - AC 8	Point	30.2	
Building 3 - AC 9	Point	30.0	
Building 3 - AC 10	Point	29.7	
Building 3 - AC 11	Point	29.5	
Building 3 - AC 12	Point	31.7	
Building 3 - AC 13	Point	31.7	
Building 3 - AC 14	Point	31.7	
Building 3 - AC 15	Point	31.7	
Building 3 - AC 16	Point	31.6	
Building 3 - AC 17	Point	31.6	
Building 3 - AC 18	Point	31.5	
Building 3 - AC 19	Point	31.5	
Building 3 - AC 20	Point	31.4	
Building 3 - AC 21	Point	32.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
11

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3 - AC 22	Point	32.8	
Building 3 - AC 23	Point	32.6	
Building 3 - AC 24	Point	32.4	
Building 3 - AC 25	Point	30.7	
Building 3 - AC 26	Point	30.4	
Building 3 - AC 27	Point	30.2	
Building 3 - AC 28	Point	30.1	
Building 3 - AC 29	Point	29.9	
Building 3 - AC 30	Point	29.7	
Building 3 - AC 31	Point	29.5	
Building 3 - AC 32	Point	29.3	
Building 3 - AC 33	Point	29.1	
Building 3 - AC 34	Point	28.9	
Building 3 - AC 35	Point	28.7	
Building 3 - AC 36	Point	28.6	
Building 3 - AC 37	Point	28.4	
Building 1 - AC 1	Point	27.6	
Building 1 - AC 2	Point	29.2	
Building 1 - AC 3	Point	28.5	
Building 1 - AC 4	Point	28.3	
Building 1 - AC 5	Point	28.0	
Building 1 - AC 6	Point	28.8	
Building 1 - AC 7	Point	29.0	
Building 1 - AC 8	Point	27.8	
Building 1 - AC 9	Point	29.7	
Building 1 - AC 10	Point	33.1	
Building 1 - AC 11	Point	32.0	
Building 1 - AC 12	Point	31.5	
Building 1 - AC 13	Point	32.6	
Building 1 - AC 14	Point	32.2	
Building 1 - AC 15	Point	31.8	
Building 1 - AC 16	Point	31.8	
Building 1 - AC 17	Point	30.0	
Building 1 - AC 18	Point	31.2	
Building 1 - AC 19	Point	31.4	
Building 1 - AC 20	Point	35.3	
Building 1 - AC 21	Point	33.9	
Building 1 - AC 22	Point	35.1	
Building 1 - AC 23	Point	35.4	
Building 1 - AC 24	Point	34.5	
Building 1 - AC 25	Point	35.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
12

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 26	Point	35.3	
Building 1 - AC 27	Point	34.7	
Building 1 - AC 28	Point	34.2	
Building 1 - AC 29	Point	35.3	
Building 1 - AC 30	Point	35.4	
Building 1 - AC 31	Point	35.4	
Building 1 - AC 32	Point	35.2	
Building 1 - AC 33	Point	34.9	
Building 1 - AC 34	Point	34.6	
Building 1 - AC 35	Point	34.4	
Building 1 - AC 36	Point	34.0	
Building 1 - AC 37	Point	34.3	
Building 1 - AC 38	Point	35.3	
Building 1 - AC 39	Point	35.2	
Building 1 - AC 40	Point	35.0	
Building 1 - AC 41	Point	34.8	
Building 1 - AC 42	Point	29.0	
Building 1 - AC 43	Point	33.6	
Building 1 - AC 44	Point	30.5	
Building 1 - AC 45	Point	29.3	
Building 1 - AC 46	Point	30.1	
Building 1 - AC 47	Point	29.6	
Building 1 - AC 48	Point	29.8	
Building 1 - AC 49	Point	30.8	
Building 1 - AC 50	Point	33.4	
Building 1 - AC 51	Point	31.2	
Building 1 - AC 52	Point	31.6	
Building 2 - AC 53	Point	31.0	
Building 2 - AC 52	Point	28.8	
Building 2 - AC 51	Point	29.7	
Building 2 - AC 50	Point	30.7	
Building 2 - AC 49	Point	29.9	
Building 2 - AC 48	Point	30.4	
Building 2 - AC 47	Point	30.1	
Building 2 - AC 46	Point	29.5	
Building 2 - AC 45	Point	29.0	
Building 2 - AC 44	Point	29.3	
Building 2 - AC 43	Point	29.1	
Building 2 - AC 42	Point	26.7	
Building 2 - AC 41	Point	31.1	
Building 2 - AC 40	Point	28.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
13

Paseo Marina-Option A

Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 39	Point	28.7	
Building 2 - AC 38	Point	30.9	
Building 2 - AC 37	Point	29.0	
Building 2 - AC 36	Point	30.8	
Building 2 - AC 35	Point	29.3	
Building 2 - AC 34	Point	29.9	
Building 2 - AC 33	Point	29.5	
Building 2 - AC 32	Point	29.5	
Building 2 - AC 31	Point	26.8	
Building 2 - AC 30	Point	28.2	
Building 2 - AC 29	Point	27.0	
Building 2 - AC 28	Point	28.0	
Building 2 - AC 27	Point	27.2	
Building 2 - AC 26	Point	27.8	
Building 2 - AC 25	Point	27.4	
Building 2 - AC 24	Point	27.5	
Building 2 - AC 23	Point	26.3	
Building 2 - AC 22	Point	25.4	
Building 2 - AC 21	Point	26.0	
Building 2 - AC 20	Point	25.9	
Building 2 - AC 19	Point	25.4	
Building 2 - AC 18	Point	25.9	
Building 2 - AC 17	Point	25.5	
Building 2 - AC 16	Point	25.9	
Building 2 - AC 15	Point	25.5	
Building 2 - AC 14	Point	25.8	
Building 2 - AC 13	Point	25.6	
Building 2 - AC 12	Point	25.7	
Building 2 - AC 11	Point	25.6	
Building 2 - AC 10	Point	26.3	
Building 2 - AC 9	Point	26.0	
Building 2 - AC 8	Point	26.3	
Building 2 - AC 7	Point	26.0	
Building 2 - AC 6	Point	26.2	
Building 2 - AC 5	Point	26.1	
Building 2 - AC 4	Point	26.2	
Building 2 - AC 3	Point	26.1	
Building 2 - AC 2	Point	26.2	
Building 2 - AC 1	Point	26.1	
Receiver R3 Fl G Leq,d 45.9 dB(A)			
Building 3 - AC 1	Point	26.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
14

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3 - AC 2	Point	28.0	
Building 3 - AC 3	Point	26.2	
Building 3 - AC 4	Point	26.3	
Building 3 - AC 5	Point	26.5	
Building 3 - AC 6	Point	21.4	
Building 3 - AC 7	Point	21.9	
Building 3 - AC 8	Point	22.4	
Building 3 - AC 9	Point	26.8	
Building 3 - AC 10	Point	27.1	
Building 3 - AC 11	Point	27.5	
Building 3 - AC 12	Point	26.4	
Building 3 - AC 13	Point	26.5	
Building 3 - AC 14	Point	26.6	
Building 3 - AC 15	Point	26.7	
Building 3 - AC 16	Point	26.8	
Building 3 - AC 17	Point	19.7	
Building 3 - AC 18	Point	26.2	
Building 3 - AC 19	Point	30.1	
Building 3 - AC 20	Point	28.6	
Building 3 - AC 21	Point	28.4	
Building 3 - AC 22	Point	26.5	
Building 3 - AC 23	Point	26.1	
Building 3 - AC 24	Point	26.2	
Building 3 - AC 25	Point	26.3	
Building 3 - AC 26	Point	26.4	
Building 3 - AC 27	Point	26.5	
Building 3 - AC 28	Point	26.6	
Building 3 - AC 29	Point	26.7	
Building 3 - AC 30	Point	26.8	
Building 3 - AC 31	Point	28.7	
Building 3 - AC 32	Point	27.2	
Building 3 - AC 33	Point	26.9	
Building 3 - AC 34	Point	26.7	
Building 3 - AC 35	Point	26.8	
Building 3 - AC 36	Point	27.1	
Building 3 - AC 37	Point	28.7	
Building 1 - AC 1	Point	15.9	
Building 1 - AC 2	Point	16.0	
Building 1 - AC 3	Point	16.0	
Building 1 - AC 4	Point	16.0	
Building 1 - AC 5	Point	16.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
15

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 6	Point	16.0	
Building 1 - AC 7	Point	16.0	
Building 1 - AC 8	Point	15.9	
Building 1 - AC 9	Point	15.9	
Building 1 - AC 10	Point	19.9	
Building 1 - AC 11	Point	16.6	
Building 1 - AC 12	Point	14.3	
Building 1 - AC 13	Point	19.7	
Building 1 - AC 14	Point	19.6	
Building 1 - AC 15	Point	19.4	
Building 1 - AC 16	Point	16.4	
Building 1 - AC 17	Point	16.0	
Building 1 - AC 18	Point	16.1	
Building 1 - AC 19	Point	16.3	
Building 1 - AC 20	Point	11.9	
Building 1 - AC 21	Point	26.8	
Building 1 - AC 22	Point	24.6	
Building 1 - AC 23	Point	12.4	
Building 1 - AC 24	Point	26.7	
Building 1 - AC 25	Point	12.1	
Building 1 - AC 26	Point	21.5	
Building 1 - AC 27	Point	26.2	
Building 1 - AC 28	Point	28.0	
Building 1 - AC 29	Point	12.0	
Building 1 - AC 30	Point	12.2	
Building 1 - AC 31	Point	21.1	
Building 1 - AC 32	Point	24.3	
Building 1 - AC 33	Point	25.2	
Building 1 - AC 34	Point	26.4	
Building 1 - AC 35	Point	27.1	
Building 1 - AC 36	Point	28.5	
Building 1 - AC 37	Point	27.5	
Building 1 - AC 38	Point	21.3	
Building 1 - AC 39	Point	21.8	
Building 1 - AC 40	Point	24.9	
Building 1 - AC 41	Point	26.5	
Building 1 - AC 42	Point	15.2	
Building 1 - AC 43	Point	21.0	
Building 1 - AC 44	Point	19.0	
Building 1 - AC 45	Point	15.3	
Building 1 - AC 46	Point	18.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
16

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 47	Point	15.3	
Building 1 - AC 48	Point	18.5	
Building 1 - AC 49	Point	19.3	
Building 1 - AC 50	Point	20.6	
Building 1 - AC 51	Point	19.8	
Building 1 - AC 52	Point	20.1	
Building 2 - AC 53	Point	25.4	
Building 2 - AC 52	Point	31.2	
Building 2 - AC 51	Point	23.9	
Building 2 - AC 50	Point	25.5	
Building 2 - AC 49	Point	23.3	
Building 2 - AC 48	Point	25.6	
Building 2 - AC 47	Point	23.2	
Building 2 - AC 46	Point	24.6	
Building 2 - AC 45	Point	28.4	
Building 2 - AC 44	Point	25.6	
Building 2 - AC 43	Point	26.9	
Building 2 - AC 42	Point	24.6	
Building 2 - AC 41	Point	24.8	
Building 2 - AC 40	Point	24.6	
Building 2 - AC 39	Point	19.2	
Building 2 - AC 38	Point	24.5	
Building 2 - AC 37	Point	19.2	
Building 2 - AC 36	Point	24.3	
Building 2 - AC 35	Point	19.4	
Building 2 - AC 34	Point	19.5	
Building 2 - AC 33	Point	19.4	
Building 2 - AC 32	Point	19.4	
Building 2 - AC 31	Point	24.6	
Building 2 - AC 30	Point	19.0	
Building 2 - AC 29	Point	18.8	
Building 2 - AC 28	Point	19.0	
Building 2 - AC 27	Point	18.9	
Building 2 - AC 26	Point	19.1	
Building 2 - AC 25	Point	19.0	
Building 2 - AC 24	Point	19.0	
Building 2 - AC 23	Point	16.0	
Building 2 - AC 22	Point	29.8	
Building 2 - AC 21	Point	22.0	
Building 2 - AC 20	Point	22.1	
Building 2 - AC 19	Point	28.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
17

Paseo Marina-Option A

Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 18	Point	22.1	
Building 2 - AC 17	Point	26.4	
Building 2 - AC 16	Point	22.2	
Building 2 - AC 15	Point	25.3	
Building 2 - AC 14	Point	22.3	
Building 2 - AC 13	Point	26.3	
Building 2 - AC 12	Point	22.4	
Building 2 - AC 11	Point	25.7	
Building 2 - AC 10	Point	16.2	
Building 2 - AC 9	Point	19.1	
Building 2 - AC 8	Point	16.6	
Building 2 - AC 7	Point	18.6	
Building 2 - AC 6	Point	21.8	
Building 2 - AC 5	Point	18.3	
Building 2 - AC 4	Point	22.2	
Building 2 - AC 3	Point	23.4	
Building 2 - AC 2	Point	22.6	
Building 2 - AC 1	Point	22.9	
Receiver R3 FI F2 Leq,d 47.7 dB(A)			
Building 3 - AC 1	Point	27.9	
Building 3 - AC 2	Point	29.9	
Building 3 - AC 3	Point	28.0	
Building 3 - AC 4	Point	28.2	
Building 3 - AC 5	Point	28.3	
Building 3 - AC 6	Point	23.4	
Building 3 - AC 7	Point	23.9	
Building 3 - AC 8	Point	24.5	
Building 3 - AC 9	Point	28.6	
Building 3 - AC 10	Point	28.9	
Building 3 - AC 11	Point	29.3	
Building 3 - AC 12	Point	28.2	
Building 3 - AC 13	Point	28.3	
Building 3 - AC 14	Point	28.4	
Building 3 - AC 15	Point	28.5	
Building 3 - AC 16	Point	28.5	
Building 3 - AC 17	Point	21.8	
Building 3 - AC 18	Point	27.8	
Building 3 - AC 19	Point	31.6	
Building 3 - AC 20	Point	30.0	
Building 3 - AC 21	Point	29.9	
Building 3 - AC 22	Point	28.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
18

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3 - AC 23	Point	28.0	
Building 3 - AC 24	Point	28.1	
Building 3 - AC 25	Point	28.2	
Building 3 - AC 26	Point	28.3	
Building 3 - AC 27	Point	28.4	
Building 3 - AC 28	Point	28.6	
Building 3 - AC 29	Point	28.6	
Building 3 - AC 30	Point	28.7	
Building 3 - AC 31	Point	30.3	
Building 3 - AC 32	Point	28.8	
Building 3 - AC 33	Point	28.5	
Building 3 - AC 34	Point	28.3	
Building 3 - AC 35	Point	28.5	
Building 3 - AC 36	Point	28.8	
Building 3 - AC 37	Point	30.3	
Building 1 - AC 1	Point	18.4	
Building 1 - AC 2	Point	18.5	
Building 1 - AC 3	Point	18.6	
Building 1 - AC 4	Point	18.6	
Building 1 - AC 5	Point	18.6	
Building 1 - AC 6	Point	18.6	
Building 1 - AC 7	Point	18.5	
Building 1 - AC 8	Point	18.5	
Building 1 - AC 9	Point	18.5	
Building 1 - AC 10	Point	22.2	
Building 1 - AC 11	Point	16.5	
Building 1 - AC 12	Point	16.8	
Building 1 - AC 13	Point	22.0	
Building 1 - AC 14	Point	21.9	
Building 1 - AC 15	Point	21.7	
Building 1 - AC 16	Point	19.0	
Building 1 - AC 17	Point	18.6	
Building 1 - AC 18	Point	18.7	
Building 1 - AC 19	Point	18.8	
Building 1 - AC 20	Point	14.4	
Building 1 - AC 21	Point	28.3	
Building 1 - AC 22	Point	26.5	
Building 1 - AC 23	Point	14.9	
Building 1 - AC 24	Point	28.4	
Building 1 - AC 25	Point	14.6	
Building 1 - AC 26	Point	23.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
19

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 27	Point	27.9	
Building 1 - AC 28	Point	29.4	
Building 1 - AC 29	Point	14.5	
Building 1 - AC 30	Point	14.8	
Building 1 - AC 31	Point	23.1	
Building 1 - AC 32	Point	26.2	
Building 1 - AC 33	Point	27.0	
Building 1 - AC 34	Point	28.2	
Building 1 - AC 35	Point	28.7	
Building 1 - AC 36	Point	29.8	
Building 1 - AC 37	Point	29.0	
Building 1 - AC 38	Point	23.3	
Building 1 - AC 39	Point	23.8	
Building 1 - AC 40	Point	26.7	
Building 1 - AC 41	Point	27.9	
Building 1 - AC 42	Point	17.8	
Building 1 - AC 43	Point	23.3	
Building 1 - AC 44	Point	21.4	
Building 1 - AC 45	Point	17.8	
Building 1 - AC 46	Point	21.1	
Building 1 - AC 47	Point	17.8	
Building 1 - AC 48	Point	21.0	
Building 1 - AC 49	Point	21.7	
Building 1 - AC 50	Point	23.0	
Building 1 - AC 51	Point	22.2	
Building 1 - AC 52	Point	22.5	
Building 2 - AC 53	Point	27.4	
Building 2 - AC 52	Point	32.8	
Building 2 - AC 51	Point	25.9	
Building 2 - AC 50	Point	27.5	
Building 2 - AC 49	Point	25.3	
Building 2 - AC 48	Point	27.6	
Building 2 - AC 47	Point	25.2	
Building 2 - AC 46	Point	26.5	
Building 2 - AC 45	Point	30.2	
Building 2 - AC 44	Point	27.6	
Building 2 - AC 43	Point	28.8	
Building 2 - AC 42	Point	26.2	
Building 2 - AC 41	Point	26.3	
Building 2 - AC 40	Point	21.5	
Building 2 - AC 39	Point	21.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
20

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 38	Point	25.9	
Building 2 - AC 37	Point	21.5	
Building 2 - AC 36	Point	25.7	
Building 2 - AC 35	Point	21.6	
Building 2 - AC 34	Point	21.7	
Building 2 - AC 33	Point	21.6	
Building 2 - AC 32	Point	21.6	
Building 2 - AC 31	Point	26.2	
Building 2 - AC 30	Point	21.5	
Building 2 - AC 29	Point	21.1	
Building 2 - AC 28	Point	21.4	
Building 2 - AC 27	Point	21.2	
Building 2 - AC 26	Point	21.4	
Building 2 - AC 25	Point	21.2	
Building 2 - AC 24	Point	21.3	
Building 2 - AC 23	Point	18.5	
Building 2 - AC 22	Point	30.6	
Building 2 - AC 21	Point	24.1	
Building 2 - AC 20	Point	24.2	
Building 2 - AC 19	Point	29.6	
Building 2 - AC 18	Point	24.2	
Building 2 - AC 17	Point	28.1	
Building 2 - AC 16	Point	24.3	
Building 2 - AC 15	Point	27.1	
Building 2 - AC 14	Point	24.4	
Building 2 - AC 13	Point	28.0	
Building 2 - AC 12	Point	24.7	
Building 2 - AC 11	Point	27.4	
Building 2 - AC 10	Point	18.7	
Building 2 - AC 9	Point	21.4	
Building 2 - AC 8	Point	19.0	
Building 2 - AC 7	Point	21.0	
Building 2 - AC 6	Point	23.8	
Building 2 - AC 5	Point	20.6	
Building 2 - AC 4	Point	24.2	
Building 2 - AC 3	Point	25.2	
Building 2 - AC 2	Point	24.5	
Building 2 - AC 1	Point	24.8	
Receiver R4 FI G Leq,d 44.5 dB(A)			
Building 3 - AC 1	Point	18.6	
Building 3 - AC 2	Point	26.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
21

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3 - AC 3	Point	18.6	
Building 3 - AC 4	Point	18.6	
Building 3 - AC 5	Point	19.0	
Building 3 - AC 6	Point	19.5	
Building 3 - AC 7	Point	19.9	
Building 3 - AC 8	Point	25.2	
Building 3 - AC 9	Point	25.4	
Building 3 - AC 10	Point	27.8	
Building 3 - AC 11	Point	28.1	
Building 3 - AC 12	Point	18.0	
Building 3 - AC 13	Point	18.1	
Building 3 - AC 14	Point	18.1	
Building 3 - AC 15	Point	18.1	
Building 3 - AC 16	Point	18.0	
Building 3 - AC 17	Point	18.0	
Building 3 - AC 18	Point	18.1	
Building 3 - AC 19	Point	18.1	
Building 3 - AC 20	Point	18.2	
Building 3 - AC 21	Point	23.8	
Building 3 - AC 22	Point	25.1	
Building 3 - AC 23	Point	25.1	
Building 3 - AC 24	Point	25.2	
Building 3 - AC 25	Point	25.3	
Building 3 - AC 26	Point	23.1	
Building 3 - AC 27	Point	20.8	
Building 3 - AC 28	Point	20.8	
Building 3 - AC 29	Point	20.7	
Building 3 - AC 30	Point	20.7	
Building 3 - AC 31	Point	20.9	
Building 3 - AC 32	Point	21.3	
Building 3 - AC 33	Point	21.8	
Building 3 - AC 34	Point	22.4	
Building 3 - AC 35	Point	23.0	
Building 3 - AC 36	Point	25.9	
Building 3 - AC 37	Point	25.1	
Building 1 - AC 1	Point	18.9	
Building 1 - AC 2	Point	15.9	
Building 1 - AC 3	Point	17.0	
Building 1 - AC 4	Point	17.5	
Building 1 - AC 5	Point	17.9	
Building 1 - AC 6	Point	16.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
22

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 7	Point	16.3	
Building 1 - AC 8	Point	18.4	
Building 1 - AC 9	Point	15.4	
Building 1 - AC 10	Point	13.0	
Building 1 - AC 11	Point	14.1	
Building 1 - AC 12	Point	13.8	
Building 1 - AC 13	Point	13.2	
Building 1 - AC 14	Point	13.4	
Building 1 - AC 15	Point	13.7	
Building 1 - AC 16	Point	14.3	
Building 1 - AC 17	Point	15.1	
Building 1 - AC 18	Point	14.9	
Building 1 - AC 19	Point	14.6	
Building 1 - AC 20	Point	12.4	
Building 1 - AC 21	Point	14.6	
Building 1 - AC 22	Point	12.9	
Building 1 - AC 23	Point	12.5	
Building 1 - AC 24	Point	18.6	
Building 1 - AC 25	Point	12.4	
Building 1 - AC 26	Point	12.6	
Building 1 - AC 27	Point	13.5	
Building 1 - AC 28	Point	19.1	
Building 1 - AC 29	Point	12.4	
Building 1 - AC 30	Point	12.5	
Building 1 - AC 31	Point	12.5	
Building 1 - AC 32	Point	12.8	
Building 1 - AC 33	Point	13.2	
Building 1 - AC 34	Point	13.6	
Building 1 - AC 35	Point	18.8	
Building 1 - AC 36	Point	19.3	
Building 1 - AC 37	Point	19.0	
Building 1 - AC 38	Point	12.6	
Building 1 - AC 39	Point	12.6	
Building 1 - AC 40	Point	13.0	
Building 1 - AC 41	Point	13.3	
Building 1 - AC 42	Point	16.6	
Building 1 - AC 43	Point	19.8	
Building 1 - AC 44	Point	15.1	
Building 1 - AC 45	Point	16.2	
Building 1 - AC 46	Point	15.4	
Building 1 - AC 47	Point	15.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
23

Paseo Marina-Option A

Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 48	Point	15.7	
Building 1 - AC 49	Point	15.0	
Building 1 - AC 50	Point	19.8	
Building 1 - AC 51	Point	14.9	
Building 1 - AC 52	Point	14.9	
Building 2 - AC 53	Point	24.8	
Building 2 - AC 52	Point	28.0	
Building 2 - AC 51	Point	25.8	
Building 2 - AC 50	Point	19.4	
Building 2 - AC 49	Point	25.8	
Building 2 - AC 48	Point	19.9	
Building 2 - AC 47	Point	23.0	
Building 2 - AC 46	Point	25.9	
Building 2 - AC 45	Point	28.6	
Building 2 - AC 44	Point	27.4	
Building 2 - AC 43	Point	28.7	
Building 2 - AC 42	Point	22.8	
Building 2 - AC 41	Point	18.4	
Building 2 - AC 40	Point	18.9	
Building 2 - AC 39	Point	18.8	
Building 2 - AC 38	Point	18.4	
Building 2 - AC 37	Point	18.8	
Building 2 - AC 36	Point	18.5	
Building 2 - AC 35	Point	18.7	
Building 2 - AC 34	Point	18.5	
Building 2 - AC 33	Point	18.6	
Building 2 - AC 32	Point	18.6	
Building 2 - AC 31	Point	22.3	
Building 2 - AC 30	Point	23.6	
Building 2 - AC 29	Point	22.0	
Building 2 - AC 28	Point	25.1	
Building 2 - AC 27	Point	21.8	
Building 2 - AC 26	Point	25.1	
Building 2 - AC 25	Point	21.6	
Building 2 - AC 24	Point	21.6	
Building 2 - AC 23	Point	24.6	
Building 2 - AC 22	Point	32.8	
Building 2 - AC 21	Point	28.0	
Building 2 - AC 20	Point	28.0	
Building 2 - AC 19	Point	30.5	
Building 2 - AC 18	Point	26.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
24

Paseo Marina-Option A

Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 17	Point	28.5	
Building 2 - AC 16	Point	26.8	
Building 2 - AC 15	Point	27.2	
Building 2 - AC 14	Point	25.3	
Building 2 - AC 13	Point	25.8	
Building 2 - AC 12	Point	25.5	
Building 2 - AC 11	Point	25.7	
Building 2 - AC 10	Point	23.8	
Building 2 - AC 9	Point	27.9	
Building 2 - AC 8	Point	23.9	
Building 2 - AC 7	Point	28.1	
Building 2 - AC 6	Point	24.0	
Building 2 - AC 5	Point	27.5	
Building 2 - AC 4	Point	24.8	
Building 2 - AC 3	Point	25.0	
Building 2 - AC 2	Point	24.8	
Building 2 - AC 1	Point	24.9	
Receiver R4 FI F2 Leq,d 48.8 dB(A)			
Building 3 - AC 1	Point	25.2	
Building 3 - AC 2	Point	27.8	
Building 3 - AC 3	Point	25.3	
Building 3 - AC 4	Point	25.3	
Building 3 - AC 5	Point	25.6	
Building 3 - AC 6	Point	25.9	
Building 3 - AC 7	Point	26.2	
Building 3 - AC 8	Point	28.6	
Building 3 - AC 9	Point	28.8	
Building 3 - AC 10	Point	29.1	
Building 3 - AC 11	Point	29.4	
Building 3 - AC 12	Point	24.8	
Building 3 - AC 13	Point	24.8	
Building 3 - AC 14	Point	24.8	
Building 3 - AC 15	Point	24.8	
Building 3 - AC 16	Point	24.8	
Building 3 - AC 17	Point	24.8	
Building 3 - AC 18	Point	24.7	
Building 3 - AC 19	Point	24.7	
Building 3 - AC 20	Point	24.6	
Building 3 - AC 21	Point	26.8	
Building 3 - AC 22	Point	26.8	
Building 3 - AC 23	Point	26.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
25

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3 - AC 24	Point	27.0	
Building 3 - AC 25	Point	27.1	
Building 3 - AC 26	Point	25.7	
Building 3 - AC 27	Point	25.7	
Building 3 - AC 28	Point	25.7	
Building 3 - AC 29	Point	25.7	
Building 3 - AC 30	Point	25.8	
Building 3 - AC 31	Point	25.8	
Building 3 - AC 32	Point	26.0	
Building 3 - AC 33	Point	26.1	
Building 3 - AC 34	Point	26.2	
Building 3 - AC 35	Point	26.5	
Building 3 - AC 36	Point	26.7	
Building 3 - AC 37	Point	26.7	
Building 1 - AC 1	Point	25.1	
Building 1 - AC 2	Point	23.2	
Building 1 - AC 3	Point	24.0	
Building 1 - AC 4	Point	24.3	
Building 1 - AC 5	Point	24.6	
Building 1 - AC 6	Point	23.7	
Building 1 - AC 7	Point	23.4	
Building 1 - AC 8	Point	24.8	
Building 1 - AC 9	Point	22.8	
Building 1 - AC 10	Point	20.7	
Building 1 - AC 11	Point	21.7	
Building 1 - AC 12	Point	21.5	
Building 1 - AC 13	Point	20.9	
Building 1 - AC 14	Point	21.1	
Building 1 - AC 15	Point	21.3	
Building 1 - AC 16	Point	21.8	
Building 1 - AC 17	Point	22.5	
Building 1 - AC 18	Point	22.3	
Building 1 - AC 19	Point	22.1	
Building 1 - AC 20	Point	20.1	
Building 1 - AC 21	Point	22.0	
Building 1 - AC 22	Point	20.6	
Building 1 - AC 23	Point	20.2	
Building 1 - AC 24	Point	21.3	
Building 1 - AC 25	Point	20.2	
Building 1 - AC 26	Point	20.3	
Building 1 - AC 27	Point	21.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
26

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1 - AC 28	Point	21.7	
Building 1 - AC 29	Point	20.1	
Building 1 - AC 30	Point	20.2	
Building 1 - AC 31	Point	20.2	
Building 1 - AC 32	Point	20.4	
Building 1 - AC 33	Point	20.8	
Building 1 - AC 34	Point	21.2	
Building 1 - AC 35	Point	21.4	
Building 1 - AC 36	Point	25.4	
Building 1 - AC 37	Point	21.6	
Building 1 - AC 38	Point	20.2	
Building 1 - AC 39	Point	20.3	
Building 1 - AC 40	Point	20.7	
Building 1 - AC 41	Point	20.9	
Building 1 - AC 42	Point	23.8	
Building 1 - AC 43	Point	22.2	
Building 1 - AC 44	Point	22.4	
Building 1 - AC 45	Point	23.4	
Building 1 - AC 46	Point	22.7	
Building 1 - AC 47	Point	23.2	
Building 1 - AC 48	Point	23.0	
Building 1 - AC 49	Point	22.3	
Building 1 - AC 50	Point	22.3	
Building 1 - AC 51	Point	22.3	
Building 1 - AC 52	Point	22.3	
Building 2 - AC 53	Point	29.1	
Building 2 - AC 52	Point	30.7	
Building 2 - AC 51	Point	28.6	
Building 2 - AC 50	Point	26.1	
Building 2 - AC 49	Point	28.5	
Building 2 - AC 48	Point	26.5	
Building 2 - AC 47	Point	28.5	
Building 2 - AC 46	Point	28.7	
Building 2 - AC 45	Point	30.0	
Building 2 - AC 44	Point	28.9	
Building 2 - AC 43	Point	30.4	
Building 2 - AC 42	Point	27.7	
Building 2 - AC 41	Point	25.4	
Building 2 - AC 40	Point	25.8	
Building 2 - AC 39	Point	25.7	
Building 2 - AC 38	Point	25.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
27

Paseo Marina-Option A
Contribution level - Option A - Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2 - AC 37	Point	25.6	
Building 2 - AC 36	Point	25.4	
Building 2 - AC 35	Point	25.6	
Building 2 - AC 34	Point	25.5	
Building 2 - AC 33	Point	25.5	
Building 2 - AC 32	Point	25.5	
Building 2 - AC 31	Point	27.3	
Building 2 - AC 30	Point	25.8	
Building 2 - AC 29	Point	26.9	
Building 2 - AC 28	Point	25.9	
Building 2 - AC 27	Point	26.5	
Building 2 - AC 26	Point	25.9	
Building 2 - AC 25	Point	26.0	
Building 2 - AC 24	Point	26.0	
Building 2 - AC 23	Point	29.0	
Building 2 - AC 22	Point	35.7	
Building 2 - AC 21	Point	32.4	
Building 2 - AC 20	Point	32.6	
Building 2 - AC 19	Point	34.5	
Building 2 - AC 18	Point	32.1	
Building 2 - AC 17	Point	33.4	
Building 2 - AC 16	Point	32.2	
Building 2 - AC 15	Point	32.5	
Building 2 - AC 14	Point	30.9	
Building 2 - AC 13	Point	31.5	
Building 2 - AC 12	Point	31.1	
Building 2 - AC 11	Point	31.3	
Building 2 - AC 10	Point	29.1	
Building 2 - AC 9	Point	32.2	
Building 2 - AC 8	Point	29.3	
Building 2 - AC 7	Point	32.0	
Building 2 - AC 6	Point	29.4	
Building 2 - AC 5	Point	31.9	
Building 2 - AC 4	Point	29.6	
Building 2 - AC 3	Point	30.0	
Building 2 - AC 2	Point	29.7	
Building 2 - AC 1	Point	29.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
28

3 |



Paseo Marina-Option A

Contribution level - Option A - Loading (2021)

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 43.7 dB(A)			
Loading 1	Point	43.7	
Loading 2	Point	12.2	
Loading 3	Point	8.5	
Receiver R1 FI F2 Leq,d 39.5 dB(A)			
Loading 1	Point	39.5	
Loading 2	Point	13.5	
Loading 3	Point		
Receiver R2 FI G Leq,d 26.6 dB(A)			
Loading 1	Point	26.2	
Loading 2	Point	11.2	
Loading 3	Point	13.6	
Receiver R2 FI F2 Leq,d 15.3 dB(A)			
Loading 1	Point		
Loading 2	Point	11.3	
Loading 3	Point	13.2	
Receiver R3 FI G Leq,d 29.8 dB(A)			
Loading 1	Point	27.9	
Loading 2	Point	22.7	
Loading 3	Point	21.4	
Receiver R3 FI F2 Leq,d 30.6 dB(A)			
Loading 1	Point	29.1	
Loading 2	Point	22.8	
Loading 3	Point	21.7	
Receiver R4 FI G Leq,d 27.5 dB(A)			
Loading 1	Point	22.4	
Loading 2	Point	16.4	
Loading 3	Point	25.4	
Receiver R4 FI F2 Leq,d 29.0 dB(A)			
Loading 1	Point	26.6	
Loading 2	Point	16.7	
Loading 3	Point	24.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina-Option A
Source Levels in dB(A) - Option A - Trash Compactor (2021)

3

Name	Source type	Lw dB(A)	
Trash 1	Point	88.0	
Trash 2	Point	88.0	
Trash 3	Point	88.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina-Option A

Contribution level - Option A - Trash Compactor (2021)

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 40.1 dB(A)			
Trash 1	Point	40.1	
Trash 2	Point	6.2	
Trash 3	Point	-3.3	
Receiver R1 FI F2 Leq,d 38.9 dB(A)			
Trash 1	Point	38.8	
Trash 2	Point	13.7	
Trash 3	Point	-1.3	
Receiver R2 FI G Leq,d 10.5 dB(A)			
Trash 1	Point	9.6	
Trash 2	Point	-0.6	
Trash 3	Point	1.1	
Receiver R2 FI F2 Leq,d 3.4 dB(A)			
Trash 1	Point		
Trash 2	Point	-0.9	
Trash 3	Point	1.3	
Receiver R3 FI G Leq,d 21.0 dB(A)			
Trash 1	Point	-0.1	
Trash 2	Point	20.2	
Trash 3	Point	13.2	
Receiver R3 FI F2 Leq,d 24.4 dB(A)			
Trash 1	Point	-1.9	
Trash 2	Point	24.0	
Trash 3	Point	13.7	
Receiver R4 FI G Leq,d 19.7 dB(A)			
Trash 1	Point	15.4	
Trash 2	Point	17.2	
Trash 3	Point	7.8	
Receiver R4 FI F2 Leq,d 23.9 dB(A)			
Trash 1	Point	22.3	
Trash 2	Point	17.6	
Trash 3	Point	12.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina-Option A
Source Levels in dB(A) - Option A - Parking

3

Name	Source type	Lw dB(A)	
Parking 1	PLot	92.8	
Parking 2	PLot	90.1	
Parking 3	PLot	90.4	

Paseo Marina-Option A

Contribution level - Option A - Parking

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 28.9 dB(A)			
Parking 1	PLot	28.9	
Parking 2	PLot	0.9	
Parking 3	PLot	4.5	
Receiver R1 FI F2 Leq,d 30.6 dB(A)			
Parking 1	PLot	30.4	
Parking 2	PLot	9.3	
Parking 3	PLot	17.6	
Receiver R2 FI G Leq,d 14.9 dB(A)			
Parking 1	PLot	7.9	
Parking 2	PLot	13.5	
Parking 3	PLot	3.5	
Receiver R2 FI F2 Leq,d 20.5 dB(A)			
Parking 1	PLot	18.1	
Parking 2	PLot	16.5	
Parking 3	PLot	5.9	
Receiver R3 FI G Leq,d 27.3 dB(A)			
Parking 1	PLot	4.3	
Parking 2	PLot	26.4	
Parking 3	PLot	19.7	
Receiver R3 FI F2 Leq,d 28.8 dB(A)			
Parking 1	PLot	8.4	
Parking 2	PLot	28.0	
Parking 3	PLot	21.2	
Receiver R4 FI G Leq,d 24.2 dB(A)			
Parking 1	PLot	-5.0	
Parking 2	PLot	22.7	
Parking 3	PLot	18.8	
Receiver R4 FI F2 Leq,d 28.5 dB(A)			
Parking 1	PLot	-3.6	
Parking 2	PLot	25.4	
Parking 3	PLot	25.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina-Option A

Source Levels in dB(A) - Option A - People (2021)

3

Name	Source type	Lw dB(A)	
Building 1 - Deck 1	Area	86.1	
Building 2 - Deck 2 - NW	Area	80.8	
Building 2 - Deck 3	Area	83.3	
Building 2 - Deck 4	Area	83.8	
Building 3 - Deck 5	Area	87.8	
Building 3 - Deck 6	Area	87.8	
Community Park	Area	94.1	
Paseo	Area	93.4	
Patio 1 (Rest. 1)	Area	83.3	
Patio 2 (Rest. 3, 4 and 5)	Area	87.2	
Patio 3 (Rest. 8)	Area	80.8	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	85.8	
Pedestrian Plaza 2 (West)	Area	88.6	
Pedestrian Plaza 3 (East)	Area	87.0	
Pool Deck 1	Area	96.7	
Pool Deck 2	Area	97.2	
Pool Deck 3	Area	96.1	
Retail/Pedestrian Plaza (NW)	Area	88.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina-Option A

Contribution level - Option A - People (2021)

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 39.5 dB(A)			
Patio 3 (Rest. 8)	Area	0.6	
Patio 1 (Rest. 1)	Area	3.4	
Patio 2 (Rest. 3, 4 and 5)	Area	28.7	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	28.8	
Paseo	Area	29.9	
Retail/Pedestrian Plaza (NW)	Area	35.9	
Pedestrian Plaza 3 (East)	Area	11.2	
Pedestrian Plaza 2 (West)	Area	26.6	
Building 2 - Deck 2 - NW	Area	8.4	
Building 2 - Deck 3	Area	2.9	
Building 2 - Deck 4	Area	3.2	
Building 3 - Deck 5	Area	6.4	
Building 3 - Deck 6	Area	4.8	
Building 1 - Deck 1	Area	25.7	
Pool Deck 1	Area	31.8	
Pool Deck 3	Area	16.6	
Pool Deck 2	Area	20.0	
Community Park	Area	18.5	
Receiver R1 FI F2 Leq,d 39.6 dB(A)			
Patio 3 (Rest. 8)	Area	0.4	
Patio 1 (Rest. 1)	Area	3.6	
Patio 2 (Rest. 3, 4 and 5)	Area	17.6	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	16.5	
Paseo	Area	21.5	
Retail/Pedestrian Plaza (NW)	Area	33.3	
Pedestrian Plaza 3 (East)	Area	12.0	
Pedestrian Plaza 2 (West)	Area	26.8	
Building 2 - Deck 2 - NW	Area	25.7	
Building 2 - Deck 3	Area	13.7	
Building 2 - Deck 4	Area	15.5	
Building 3 - Deck 5	Area	20.3	
Building 3 - Deck 6	Area	17.4	
Building 1 - Deck 1	Area	35.2	
Pool Deck 1	Area	32.8	
Pool Deck 3	Area	17.9	
Pool Deck 2	Area	21.5	
Community Park	Area	20.0	
Receiver R2 FI G Leq,d 51.1 dB(A)			
Patio 3 (Rest. 8)	Area	1.1	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina-Option A

Contribution level - Option A - People (2021)

9

Source	Source type	Leq,d dB(A)	
Patio 1 (Rest. 1)	Area	24.6	
Patio 2 (Rest. 3, 4 and 5)	Area	13.2	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	10.8	
Paseo	Area	42.8	
Retail/Pedestrian Plaza (NW)	Area	11.8	
Pedestrian Plaza 3 (East)	Area	34.6	
Pedestrian Plaza 2 (West)	Area	45.4	
Building 2 - Deck 2 - NW	Area	2.8	
Building 2 - Deck 3	Area	6.3	
Building 2 - Deck 4	Area	8.9	
Building 3 - Deck 5	Area	17.6	
Building 3 - Deck 6	Area	10.1	
Building 1 - Deck 1	Area	32.5	
Pool Deck 1	Area	24.8	
Pool Deck 3	Area	18.9	
Pool Deck 2	Area	21.6	
Community Park	Area	48.4	
Receiver R2 FI F2 Leq,d 51.6 dB(A)			
Patio 3 (Rest. 8)	Area	0.9	
Patio 1 (Rest. 1)	Area	26.4	
Patio 2 (Rest. 3, 4 and 5)	Area	12.8	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	11.1	
Paseo	Area	43.2	
Retail/Pedestrian Plaza (NW)	Area	12.8	
Pedestrian Plaza 3 (East)	Area	35.0	
Pedestrian Plaza 2 (West)	Area	45.4	
Building 2 - Deck 2 - NW	Area	13.5	
Building 2 - Deck 3	Area	16.4	
Building 2 - Deck 4	Area	17.3	
Building 3 - Deck 5	Area	22.0	
Building 3 - Deck 6	Area	17.4	
Building 1 - Deck 1	Area	38.9	
Pool Deck 1	Area	26.0	
Pool Deck 3	Area	20.2	
Pool Deck 2	Area	23.2	
Community Park	Area	48.8	
Receiver R3 FI G Leq,d 45.6 dB(A)			
Patio 3 (Rest. 8)	Area	24.6	
Patio 1 (Rest. 1)	Area	7.6	
Patio 2 (Rest. 3, 4 and 5)	Area	11.1	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

Paseo Marina-Option A

Contribution level - Option A - People (2021)

9

Source	Source type	Leq,d dB(A)	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	10.1	
Paseo	Area	33.9	
Retail/Pedestrian Plaza (NW)	Area	9.3	
Pedestrian Plaza 3 (East)	Area	38.9	
Pedestrian Plaza 2 (West)	Area	18.3	
Building 2 - Deck 2 - NW	Area	3.1	
Building 2 - Deck 3	Area	25.6	
Building 2 - Deck 4	Area	27.9	
Building 3 - Deck 5	Area	33.5	
Building 3 - Deck 6	Area	34.5	
Building 1 - Deck 1	Area	4.0	
Pool Deck 1	Area	21.4	
Pool Deck 3	Area	41.3	
Pool Deck 2	Area	35.6	
Community Park	Area	33.3	
Receiver R3 FI F2 Leq,d 49.2 dB(A)			
Patio 3 (Rest. 8)	Area	25.2	
Patio 1 (Rest. 1)	Area	7.7	
Patio 2 (Rest. 3, 4 and 5)	Area	11.0	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	9.8	
Paseo	Area	34.3	
Retail/Pedestrian Plaza (NW)	Area	9.1	
Pedestrian Plaza 3 (East)	Area	39.5	
Pedestrian Plaza 2 (West)	Area	18.8	
Building 2 - Deck 2 - NW	Area	5.3	
Building 2 - Deck 3	Area	27.9	
Building 2 - Deck 4	Area	30.9	
Building 3 - Deck 5	Area	36.6	
Building 3 - Deck 6	Area	37.2	
Building 1 - Deck 1	Area	5.5	
Pool Deck 1	Area	22.1	
Pool Deck 3	Area	47.0	
Pool Deck 2	Area	38.4	
Community Park	Area	33.5	
Receiver R4 FI G Leq,d 42.2 dB(A)			
Patio 3 (Rest. 8)	Area	38.7	
Patio 1 (Rest. 1)	Area	3.3	
Patio 2 (Rest. 3, 4 and 5)	Area	22.3	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	12.4	
Paseo	Area	26.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
3

Paseo Marina-Option A

Contribution level - Option A - People (2021)

9

Source	Source type	Leq,d dB(A)	
Retail/Pedestrian Plaza (NW)	Area	31.6	
Pedestrian Plaza 3 (East)	Area	13.8	
Pedestrian Plaza 2 (West)	Area	8.2	
Building 2 - Deck 2 - NW	Area	14.2	
Building 2 - Deck 3	Area	29.1	
Building 2 - Deck 4	Area	26.0	
Building 3 - Deck 5	Area	29.2	
Building 3 - Deck 6	Area	28.7	
Building 1 - Deck 1	Area	3.7	
Pool Deck 1	Area	20.8	
Pool Deck 3	Area	29.4	
Pool Deck 2	Area	35.1	
Community Park	Area	14.2	
Receiver R4 FI F2 Leq,d 45.4 dB(A)			
Patio 3 (Rest. 8)	Area	39.0	
Patio 1 (Rest. 1)	Area	2.9	
Patio 2 (Rest. 3, 4 and 5)	Area	22.6	
Patio 4 (Rest. 9, 10, 11 and 12)	Area	12.2	
Paseo	Area	26.5	
Retail/Pedestrian Plaza (NW)	Area	31.8	
Pedestrian Plaza 3 (East)	Area	13.6	
Pedestrian Plaza 2 (West)	Area	8.0	
Building 2 - Deck 2 - NW	Area	17.5	
Building 2 - Deck 3	Area	34.2	
Building 2 - Deck 4	Area	30.2	
Building 3 - Deck 5	Area	32.2	
Building 3 - Deck 6	Area	30.8	
Building 1 - Deck 1	Area	9.3	
Pool Deck 1	Area	22.8	
Pool Deck 3	Area	33.9	
Pool Deck 2	Area	41.9	
Community Park	Area	13.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
4

Paseo Marina-Option A

Source Levels in dB(A) - Option A - Speakers (2021)

3

Name	Source type	Lw dB(A)	
Retail Plaza	Point	103.6	
Speaker Building 1 SW Corner	Point	108.6	
Speaker Building 2 NE Corner	Point	103.6	
Speaker Building 2 NE Corner	Point	103.6	
Speaker Building 2 NW Corner	Point	108.6	
Speaker Building 2 SE Corner	Point	103.6	
Speaker Building 2 SE Corner	Point	103.6	
Speaker Building 3 NE Corner	Point	103.6	
Speaker Building 3 NE Corner	Point	103.6	
Speaker Building 3 SE Corner	Point	103.6	
Speaker Building 3 SE Corner	Point	103.6	
Speaker Community Park	Point	103.6	
Speaker Community Park	Point	103.6	
Speaker Community Park	Point	103.6	
Speaker Community Park	Point	103.6	
Speaker Patio 1	Point	108.6	
Speaker Patio 2	Point	108.6	
Speaker Patio 2	Point	108.6	
Speaker Patio 2	Point	108.6	
Speaker Patio 3	Point	108.6	
Speaker Patio 3	Point	108.6	
Speaker Patio 3	Point	108.6	
Speaker Patio 4	Point	108.6	
Speaker Pedestrian Plaza 1	Point	98.6	
Speaker Pedestrian Plaza 1	Point	98.6	
Speaker Pedestrian Plaza 1	Point	98.6	
Speaker Pedestrian Plaza 2	Point	103.6	
Speaker Pedestrian Plaza 2	Point	103.6	
Speaker Pool Deck 1	Point	113.6	
Speaker Pool Deck 1	Point	113.6	
Speaker Pool Deck 1	Point	113.6	
Speaker Pool Deck 1	Point	113.6	
Speaker Pool Deck 1	Point	113.6	
Speaker Pool Deck 2	Point	113.6	
Speaker Pool Deck 2	Point	113.6	
Speaker Pool Deck 2	Point	113.6	
Speaker Pool Deck 2	Point	113.6	
Speaker Pool Deck 2	Point	113.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina-Option A

Source Levels in dB(A) - Option A - Speakers (2021)

3

Name	Source type	Lw dB(A)	
Speaker Pool Deck 2	Point	113.6	
Speaker Pool Deck 2	Point	113.6	
Speaker Pool Deck 3	Point	113.6	
Speaker Pool Deck 3	Point	113.6	
Speaker Pool Deck 3	Point	113.6	
Speaker Pool Deck 3	Point	113.6	
Speaker Pool Deck 3	Point	113.6	
Speaker Pool Deck 3	Point	113.6	
Speaker Pool Deck 3	Point	113.6	
Speaker Retail Plaza	Point	103.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

2

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 51.8 dB(A)			
Speaker Community Park	Point	20.2	
Speaker Community Park	Point	20.1	
Speaker Community Park	Point	17.7	
Speaker Community Park	Point	20.0	
Speaker Building 2 NE Corner	Point	6.8	
Speaker Building 2 NE Corner	Point	6.7	
Speaker Building 2 SE Corner	Point	7.5	
Speaker Building 2 SE Corner	Point	7.5	
Speaker Building 3 NE Corner	Point	6.6	
Speaker Building 3 NE Corner	Point	6.4	
Speaker Building 3 SE Corner	Point	5.9	
Speaker Building 3 SE Corner	Point	5.7	
Speaker Building 1 SW Corner	Point	30.2	
Speaker Building 2 NW Corner	Point	30.8	
Speaker Pool Deck 3	Point	12.8	
Speaker Pool Deck 3	Point	13.0	
Speaker Pool Deck 3	Point	23.3	
Speaker Pool Deck 3	Point	22.0	
Speaker Pool Deck 3	Point	18.5	
Speaker Pool Deck 3	Point	22.6	
Speaker Pool Deck 3	Point	13.6	
Speaker Pool Deck 2	Point	19.7	
Speaker Pool Deck 2	Point	16.1	
Speaker Pool Deck 2	Point	20.0	
Speaker Pool Deck 2	Point	18.3	
Speaker Pool Deck 2	Point	22.1	
Speaker Pool Deck 2	Point	14.6	
Speaker Pool Deck 2	Point	24.9	
Speaker Pool Deck 1	Point	40.4	
Speaker Pool Deck 1	Point	42.0	
Speaker Pool Deck 1	Point	34.5	
Speaker Pool Deck 1	Point	39.2	
Speaker Pool Deck 1	Point	44.2	
Speaker Pool Deck 1	Point	31.9	
Speaker Patio 1	Point	7.9	
Speaker Patio 4	Point	7.6	
Speaker Patio 2	Point	39.8	
Speaker Patio 2	Point	24.8	
Speaker Patio 2	Point	38.7	
Speaker Patio 3	Point	22.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Patio 3	Point	41.5	
Speaker Patio 3	Point	44.5	
Speaker Retail Plaza	Point	41.1	
Retail Plaza	Point	39.7	
Speaker Pedestrian Plaza 1	Point	11.0	
Speaker Pedestrian Plaza 1	Point	6.9	
Speaker Pedestrian Plaza 1	Point	5.1	
Speaker Pedestrian Plaza 2	Point	13.7	
Speaker Pedestrian Plaza 2	Point	7.0	
Receiver R1 FI F2 Leq,d 51.4 dB(A)			
Speaker Community Park	Point	21.9	
Speaker Community Park	Point	22.1	
Speaker Community Park	Point	18.2	
Speaker Community Park	Point	20.3	
Speaker Building 2 NE Corner	Point	23.3	
Speaker Building 2 NE Corner	Point	23.2	
Speaker Building 2 SE Corner	Point	23.9	
Speaker Building 2 SE Corner	Point	24.1	
Speaker Building 3 NE Corner	Point	23.1	
Speaker Building 3 NE Corner	Point	22.8	
Speaker Building 3 SE Corner	Point	22.1	
Speaker Building 3 SE Corner	Point	22.0	
Speaker Building 1 SW Corner	Point	44.7	
Speaker Building 2 NW Corner	Point	45.9	
Speaker Pool Deck 3	Point	14.2	
Speaker Pool Deck 3	Point	14.2	
Speaker Pool Deck 3	Point	23.9	
Speaker Pool Deck 3	Point	23.8	
Speaker Pool Deck 3	Point	20.9	
Speaker Pool Deck 3	Point	24.3	
Speaker Pool Deck 3	Point	14.8	
Speaker Pool Deck 2	Point	22.0	
Speaker Pool Deck 2	Point	19.5	
Speaker Pool Deck 2	Point	21.0	
Speaker Pool Deck 2	Point	21.9	
Speaker Pool Deck 2	Point	25.2	
Speaker Pool Deck 2	Point	16.2	
Speaker Pool Deck 2	Point	26.2	
Speaker Pool Deck 1	Point	41.5	
Speaker Pool Deck 1	Point	37.4	
Speaker Pool Deck 1	Point	38.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Pool Deck 1	Point	41.1	
Speaker Pool Deck 1	Point	42.5	
Speaker Pool Deck 1	Point	36.0	
Speaker Patio 1	Point	8.7	
Speaker Patio 4	Point	8.5	
Speaker Patio 2	Point	29.6	
Speaker Patio 2	Point	25.7	
Speaker Patio 2	Point	27.1	
Speaker Patio 3	Point	24.7	
Speaker Patio 3	Point	21.4	
Speaker Patio 3	Point	22.9	
Speaker Retail Plaza	Point	22.2	
Retail Plaza	Point	17.5	
Speaker Pedestrian Plaza 1	Point	11.9	
Speaker Pedestrian Plaza 1	Point	7.9	
Speaker Pedestrian Plaza 1	Point	5.9	
Speaker Pedestrian Plaza 2	Point	13.4	
Speaker Pedestrian Plaza 2	Point	8.3	
Receiver R2 FIG Leq,d 57.1 dB(A)			
Speaker Community Park	Point	46.4	
Speaker Community Park	Point	45.6	
Speaker Community Park	Point	45.7	
Speaker Community Park	Point	45.0	
Speaker Building 2 NE Corner	Point	15.4	
Speaker Building 2 NE Corner	Point	16.1	
Speaker Building 2 SE Corner	Point	17.0	
Speaker Building 2 SE Corner	Point	20.5	
Speaker Building 3 NE Corner	Point	22.8	
Speaker Building 3 NE Corner	Point	14.9	
Speaker Building 3 SE Corner	Point	15.4	
Speaker Building 3 SE Corner	Point	15.3	
Speaker Building 1 SW Corner	Point	48.0	
Speaker Building 2 NW Corner	Point	19.6	
Speaker Pool Deck 3	Point	16.0	
Speaker Pool Deck 3	Point	20.2	
Speaker Pool Deck 3	Point	22.0	
Speaker Pool Deck 3	Point	19.7	
Speaker Pool Deck 3	Point	19.0	
Speaker Pool Deck 3	Point	20.4	
Speaker Pool Deck 3	Point	21.7	
Speaker Pool Deck 2	Point	23.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
3

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Pool Deck 2	Point	26.3	
Speaker Pool Deck 2	Point	25.4	
Speaker Pool Deck 2	Point	25.4	
Speaker Pool Deck 2	Point	28.5	
Speaker Pool Deck 2	Point	16.5	
Speaker Pool Deck 2	Point	18.4	
Speaker Pool Deck 1	Point	30.0	
Speaker Pool Deck 1	Point	27.7	
Speaker Pool Deck 1	Point	30.6	
Speaker Pool Deck 1	Point	27.9	
Speaker Pool Deck 1	Point	26.5	
Speaker Pool Deck 1	Point	36.9	
Speaker Patio 1	Point	17.2	
Speaker Patio 4	Point	9.1	
Speaker Patio 2	Point	20.0	
Speaker Patio 2	Point	38.3	
Speaker Patio 2	Point	29.6	
Speaker Patio 3	Point	20.3	
Speaker Patio 3	Point	27.5	
Speaker Patio 3	Point	16.5	
Speaker Retail Plaza	Point	6.6	
Retail Plaza	Point	4.9	
Speaker Pedestrian Plaza 1	Point	51.8	
Speaker Pedestrian Plaza 1	Point	49.9	
Speaker Pedestrian Plaza 1	Point	43.8	
Speaker Pedestrian Plaza 2	Point	37.3	
Speaker Pedestrian Plaza 2	Point	39.1	
Receiver R2 FI F2 Leq,d 56.8 dB(A)			
Speaker Community Park	Point	46.0	
Speaker Community Park	Point	45.3	
Speaker Community Park	Point	45.3	
Speaker Community Park	Point	44.8	
Speaker Building 2 NE Corner	Point	23.7	
Speaker Building 2 NE Corner	Point	24.7	
Speaker Building 2 SE Corner	Point	24.8	
Speaker Building 2 SE Corner	Point	24.9	
Speaker Building 3 NE Corner	Point	28.3	
Speaker Building 3 NE Corner	Point	24.2	
Speaker Building 3 SE Corner	Point	25.0	
Speaker Building 3 SE Corner	Point	25.0	
Speaker Building 1 SW Corner	Point	52.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
4

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Building 2 NW Corner	Point	32.0	
Speaker Pool Deck 3	Point	18.1	
Speaker Pool Deck 3	Point	21.0	
Speaker Pool Deck 3	Point	23.4	
Speaker Pool Deck 3	Point	22.5	
Speaker Pool Deck 3	Point	21.9	
Speaker Pool Deck 3	Point	22.1	
Speaker Pool Deck 3	Point	24.0	
Speaker Pool Deck 2	Point	26.9	
Speaker Pool Deck 2	Point	28.7	
Speaker Pool Deck 2	Point	26.8	
Speaker Pool Deck 2	Point	27.2	
Speaker Pool Deck 2	Point	30.0	
Speaker Pool Deck 2	Point	18.8	
Speaker Pool Deck 2	Point	19.6	
Speaker Pool Deck 1	Point	31.5	
Speaker Pool Deck 1	Point	29.6	
Speaker Pool Deck 1	Point	31.6	
Speaker Pool Deck 1	Point	32.1	
Speaker Pool Deck 1	Point	27.9	
Speaker Pool Deck 1	Point	36.3	
Speaker Patio 1	Point	18.4	
Speaker Patio 4	Point	9.7	
Speaker Patio 2	Point	21.3	
Speaker Patio 2	Point	28.7	
Speaker Patio 2	Point	29.2	
Speaker Patio 3	Point	21.2	
Speaker Patio 3	Point	26.7	
Speaker Patio 3	Point	18.4	
Speaker Retail Plaza	Point	7.4	
Retail Plaza	Point	5.9	
Speaker Pedestrian Plaza 1	Point	48.5	
Speaker Pedestrian Plaza 1	Point	47.0	
Speaker Pedestrian Plaza 1	Point	42.3	
Speaker Pedestrian Plaza 2	Point	37.2	
Speaker Pedestrian Plaza 2	Point	39.2	
Receiver R3 FI G Leq,d 59.9 dB(A)			
Speaker Community Park	Point	15.4	
Speaker Community Park	Point	17.5	
Speaker Community Park	Point	18.0	
Speaker Community Park	Point	18.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
5

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Building 2 NE Corner	Point	42.8	
Speaker Building 2 NE Corner	Point	35.2	
Speaker Building 2 SE Corner	Point	38.9	
Speaker Building 2 SE Corner	Point	40.6	
Speaker Building 3 NE Corner	Point	45.8	
Speaker Building 3 NE Corner	Point	46.5	
Speaker Building 3 SE Corner	Point	46.2	
Speaker Building 3 SE Corner	Point	44.6	
Speaker Building 1 SW Corner	Point	9.4	
Speaker Building 2 NW Corner	Point	11.8	
Speaker Pool Deck 3	Point	47.1	
Speaker Pool Deck 3	Point	35.1	
Speaker Pool Deck 3	Point	46.7	
Speaker Pool Deck 3	Point	54.7	
Speaker Pool Deck 3	Point	45.8	
Speaker Pool Deck 3	Point	49.0	
Speaker Pool Deck 3	Point	31.0	
Speaker Pool Deck 2	Point	50.8	
Speaker Pool Deck 2	Point	39.2	
Speaker Pool Deck 2	Point	44.4	
Speaker Pool Deck 2	Point	46.4	
Speaker Pool Deck 2	Point	44.0	
Speaker Pool Deck 2	Point	31.0	
Speaker Pool Deck 2	Point	41.8	
Speaker Pool Deck 1	Point	28.5	
Speaker Pool Deck 1	Point	20.7	
Speaker Pool Deck 1	Point	32.0	
Speaker Pool Deck 1	Point	31.0	
Speaker Pool Deck 1	Point	29.4	
Speaker Pool Deck 1	Point	25.5	
Speaker Patio 1	Point	14.8	
Speaker Patio 4	Point	27.8	
Speaker Patio 2	Point	19.2	
Speaker Patio 2	Point	19.2	
Speaker Patio 2	Point	20.8	
Speaker Patio 3	Point	26.3	
Speaker Patio 3	Point	10.4	
Speaker Patio 3	Point	17.5	
Speaker Retail Plaza	Point	4.5	
Retail Plaza	Point	6.5	
Speaker Pedestrian Plaza 1	Point	12.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
6

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Pedestrian Plaza 1	Point	13.8	
Speaker Pedestrian Plaza 1	Point	15.8	
Speaker Pedestrian Plaza 2	Point	42.7	
Speaker Pedestrian Plaza 2	Point	41.5	
Receiver R3 FI F2 Leq,d 64.8 dB(A)			
Speaker Community Park	Point	15.4	
Speaker Community Park	Point	15.1	
Speaker Community Park	Point	18.1	
Speaker Community Park	Point	18.0	
Speaker Building 2 NE Corner	Point	43.7	
Speaker Building 2 NE Corner	Point	37.1	
Speaker Building 2 SE Corner	Point	43.4	
Speaker Building 2 SE Corner	Point	46.0	
Speaker Building 3 NE Corner	Point	52.3	
Speaker Building 3 NE Corner	Point	53.2	
Speaker Building 3 SE Corner	Point	51.3	
Speaker Building 3 SE Corner	Point	49.2	
Speaker Building 1 SW Corner	Point	13.2	
Speaker Building 2 NW Corner	Point	15.5	
Speaker Pool Deck 3	Point	55.0	
Speaker Pool Deck 3	Point	40.8	
Speaker Pool Deck 3	Point	53.2	
Speaker Pool Deck 3	Point	59.4	
Speaker Pool Deck 3	Point	50.3	
Speaker Pool Deck 3	Point	53.6	
Speaker Pool Deck 3	Point	43.3	
Speaker Pool Deck 2	Point	54.2	
Speaker Pool Deck 2	Point	47.4	
Speaker Pool Deck 2	Point	46.3	
Speaker Pool Deck 2	Point	49.1	
Speaker Pool Deck 2	Point	47.0	
Speaker Pool Deck 2	Point	33.1	
Speaker Pool Deck 2	Point	44.5	
Speaker Pool Deck 1	Point	29.0	
Speaker Pool Deck 1	Point	21.8	
Speaker Pool Deck 1	Point	32.3	
Speaker Pool Deck 1	Point	31.4	
Speaker Pool Deck 1	Point	29.9	
Speaker Pool Deck 1	Point	26.1	
Speaker Patio 1	Point	15.3	
Speaker Patio 4	Point	28.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
7

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Patio 2	Point	18.9	
Speaker Patio 2	Point	19.3	
Speaker Patio 2	Point	20.9	
Speaker Patio 3	Point	25.9	
Speaker Patio 3	Point	10.6	
Speaker Patio 3	Point	17.5	
Speaker Retail Plaza	Point	4.7	
Retail Plaza	Point	7.0	
Speaker Pedestrian Plaza 1	Point	13.7	
Speaker Pedestrian Plaza 1	Point	15.2	
Speaker Pedestrian Plaza 1	Point	17.0	
Speaker Pedestrian Plaza 2	Point	43.0	
Speaker Pedestrian Plaza 2	Point	42.0	
Receiver R4 FI G Leq,d 59.7 dB(A)			
Speaker Community Park	Point	14.7	
Speaker Community Park	Point	17.3	
Speaker Community Park	Point	15.7	
Speaker Community Park	Point	15.9	
Speaker Building 2 NE Corner	Point	41.4	
Speaker Building 2 NE Corner	Point	48.6	
Speaker Building 2 SE Corner	Point	41.6	
Speaker Building 2 SE Corner	Point	33.5	
Speaker Building 3 NE Corner	Point	35.2	
Speaker Building 3 NE Corner	Point	34.2	
Speaker Building 3 SE Corner	Point	35.2	
Speaker Building 3 SE Corner	Point	34.5	
Speaker Building 1 SW Corner	Point	13.5	
Speaker Building 2 NW Corner	Point	26.7	
Speaker Pool Deck 3	Point	26.3	
Speaker Pool Deck 3	Point	29.4	
Speaker Pool Deck 3	Point	30.9	
Speaker Pool Deck 3	Point	39.0	
Speaker Pool Deck 3	Point	44.3	
Speaker Pool Deck 3	Point	44.3	
Speaker Pool Deck 3	Point	46.6	
Speaker Pool Deck 2	Point	34.3	
Speaker Pool Deck 2	Point	51.9	
Speaker Pool Deck 2	Point	45.6	
Speaker Pool Deck 2	Point	45.1	
Speaker Pool Deck 2	Point	30.4	
Speaker Pool Deck 2	Point	33.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
8

Paseo Marina-Option A

Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Pool Deck 2	Point	33.6	
Speaker Pool Deck 1	Point	27.1	
Speaker Pool Deck 1	Point	24.8	
Speaker Pool Deck 1	Point	28.7	
Speaker Pool Deck 1	Point	30.8	
Speaker Pool Deck 1	Point	28.3	
Speaker Pool Deck 1	Point	23.7	
Speaker Patio 1	Point	8.2	
Speaker Patio 4	Point	56.7	
Speaker Patio 2	Point	15.5	
Speaker Patio 2	Point	12.1	
Speaker Patio 2	Point	11.8	
Speaker Patio 3	Point	29.8	
Speaker Patio 3	Point	20.9	
Speaker Patio 3	Point	22.6	
Speaker Retail Plaza	Point	35.3	
Retail Plaza	Point	26.3	
Speaker Pedestrian Plaza 1	Point	-3.0	
Speaker Pedestrian Plaza 1	Point	-0.9	
Speaker Pedestrian Plaza 1	Point	0.1	
Speaker Pedestrian Plaza 2	Point	21.5	
Speaker Pedestrian Plaza 2	Point	19.1	
Receiver R4 FI F2 Leq,d 62.2 dB(A)			
Speaker Community Park	Point	14.4	
Speaker Community Park	Point	15.1	
Speaker Community Park	Point	15.6	
Speaker Community Park	Point	15.4	
Speaker Building 2 NE Corner	Point	47.3	
Speaker Building 2 NE Corner	Point	50.4	
Speaker Building 2 SE Corner	Point	43.2	
Speaker Building 2 SE Corner	Point	40.6	
Speaker Building 3 NE Corner	Point	38.9	
Speaker Building 3 NE Corner	Point	37.9	
Speaker Building 3 SE Corner	Point	36.1	
Speaker Building 3 SE Corner	Point	35.5	
Speaker Building 1 SW Corner	Point	22.6	
Speaker Building 2 NW Corner	Point	31.7	
Speaker Pool Deck 3	Point	28.1	
Speaker Pool Deck 3	Point	30.9	
Speaker Pool Deck 3	Point	32.0	
Speaker Pool Deck 3	Point	39.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
9

Paseo Marina-Option A
Contribution level - Option A - Speakers (2021)

9

Source	Source type	Leq,d dB(A)	
Speaker Pool Deck 3	Point	48.9	
Speaker Pool Deck 3	Point	48.9	
Speaker Pool Deck 3	Point	51.1	
Speaker Pool Deck 2	Point	44.2	
Speaker Pool Deck 2	Point	56.5	
Speaker Pool Deck 2	Point	52.3	
Speaker Pool Deck 2	Point	51.3	
Speaker Pool Deck 2	Point	31.8	
Speaker Pool Deck 2	Point	34.6	
Speaker Pool Deck 2	Point	35.5	
Speaker Pool Deck 1	Point	29.1	
Speaker Pool Deck 1	Point	25.7	
Speaker Pool Deck 1	Point	29.9	
Speaker Pool Deck 1	Point	32.0	
Speaker Pool Deck 1	Point	30.2	
Speaker Pool Deck 1	Point	26.6	
Speaker Patio 1	Point	8.3	
Speaker Patio 4	Point	55.4	
Speaker Patio 2	Point	16.9	
Speaker Patio 2	Point	12.8	
Speaker Patio 2	Point	12.4	
Speaker Patio 3	Point	30.0	
Speaker Patio 3	Point	21.1	
Speaker Patio 3	Point	22.9	
Speaker Retail Plaza	Point	35.6	
Retail Plaza	Point	26.9	
Speaker Pedestrian Plaza 1	Point	-2.6	
Speaker Pedestrian Plaza 1	Point	-0.4	
Speaker Pedestrian Plaza 1	Point	0.9	
Speaker Pedestrian Plaza 2	Point	21.4	
Speaker Pedestrian Plaza 2	Point	18.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
10

Paseo Marina - Option B

Source Levels in dB(A) - Option B- Mechanical

3

Name	Source type	Lw dB(A)	
Building 1-AC 01	Point	85.0	
Building 1-AC 02	Point	85.0	
Building 1-AC 03	Point	85.0	
Building 1-AC 04	Point	85.0	
Building 1-AC 05	Point	85.0	
Building 1-AC 06	Point	85.0	
Building 1-AC 07	Point	85.0	
Building 1-AC 08	Point	85.0	
Building 1-AC 09	Point	85.0	
Building 1-AC 10	Point	85.0	
Building 1-AC 11	Point	85.0	
Building 1-AC 12	Point	85.0	
Building 1-AC 13	Point	85.0	
Building 1-AC 14	Point	85.0	
Building 1-AC 15	Point	85.0	
Building 1-AC 16	Point	85.0	
Building 1-AC 17	Point	85.0	
Building 1-AC 18	Point	85.0	
Building 1-AC 19	Point	85.0	
Building 1-AC 20	Point	85.0	
Building 1-AC 21	Point	85.0	
Building 1-AC 22	Point	85.0	
Building 1-AC 23	Point	85.0	
Building 1-AC 24	Point	85.0	
Building 1-AC 25	Point	85.0	
Building 1-AC 26	Point	85.0	
Building 1-AC 27	Point	85.0	
Building 1-AC 28	Point	85.0	
Building 1-AC 29	Point	85.0	
Building 1-AC 30	Point	85.0	
Building 1-AC 31	Point	85.0	
Building 1-AC 32	Point	85.0	
Building 1-AC 33	Point	85.0	
Building 1-AC 34	Point	85.0	
Building 1-AC 35	Point	85.0	
Building 1-AC 36	Point	85.0	
Building 2-AC 01	Point	85.0	
Building 2-AC 02	Point	85.0	
Building 2-AC 03	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina - Option B

Source Levels in dB(A) - Option B- Mechanical

3

Name	Source type	Lw dB(A)	
Building 2-AC 04	Point	85.0	
Building 2-AC 05	Point	85.0	
Building 2-AC 06	Point	85.0	
Building 2-AC 07	Point	85.0	
Building 2-AC 08	Point	85.0	
Building 2-AC 09	Point	85.0	
Building 2-AC 10	Point	85.0	
Building 2-AC 11	Point	85.0	
Building 2-AC 12	Point	85.0	
Building 2-AC 13	Point	85.0	
Building 2-AC 14	Point	85.0	
Building 2-AC 15	Point	85.0	
Building 2-AC 16	Point	85.0	
Building 2-AC 17	Point	85.0	
Building 3-AC 01	Point	85.0	
Building 3-AC 02	Point	85.0	
Building 3-AC 03	Point	85.0	
Building 3-AC 04	Point	85.0	
Building 3-AC 05	Point	85.0	
Building 3-AC 06	Point	85.0	
Building 3-AC 07	Point	85.0	
Building 3-AC 08	Point	85.0	
Building 3-AC 09	Point	85.0	
Building 3-AC 10	Point	85.0	
Building 3-AC 11	Point	85.0	
Building 3-AC 12	Point	85.0	
Building 3-AC 13	Point	85.0	
Building 3-AC 14	Point	85.0	
Building 3-AC 15	Point	85.0	
Building 3-AC 16	Point	85.0	
Building 3-AC 17	Point	85.0	
Building 3-AC 18	Point	85.0	
Building 3-AC 19	Point	85.0	
Building 3-AC 20	Point	85.0	
Building 3-AC 21	Point	85.0	
Building 3-AC 22	Point	85.0	
Building 3-AC 23	Point	85.0	
Building 3-AC 24	Point	85.0	
Building 3-AC 25	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

2

Paseo Marina - Option B

Source Levels in dB(A) - Option B- Mechanical

3

Name	Source type	Lw dB(A)	
Building 3-AC 26	Point	85.0	
Building 3-AC 27	Point	85.0	
Building 3-AC 28	Point	85.0	
Building 3-AC 29	Point	85.0	
Building 3-AC 30	Point	85.0	
Building 3-AC 31	Point	85.0	
Building 3-AC 32	Point	85.0	
Building 3-AC 33	Point	85.0	
Building 3-AC 34	Point	85.0	
Building 3-AC 35	Point	85.0	
Building 3-AC 36	Point	85.0	
Building 3-AC 37	Point	85.0	
Building 3-AC 38	Point	85.0	
Building 3-AC 39	Point	85.0	
Building 3-AC 40	Point	85.0	
Building 3-AC 41	Point	85.0	
Building 3-AC 42	Point	85.0	
Building 3-AC 43	Point	85.0	
Building 3-AC 44	Point	85.0	
Building 3-AC 45	Point	85.0	
Building 3-AC 46	Point	85.0	
Building 3-AC 47	Point	85.0	
Building 3-AC 48	Point	85.0	
Building 3-AC 49	Point	85.0	
Building 3-AC 50	Point	85.0	
Building 3-AC 51	Point	85.0	
Building 3-AC 52	Point	85.0	
Building 3-AC 53	Point	85.0	
Building 3-AC 54	Point	85.0	
Building 3-AC 55	Point	85.0	
Building 3-AC 56	Point	85.0	
Building 3-AC 57	Point	85.0	
Building 3-AC 58	Point	85.0	
Building 4-AC 01	Point	85.0	
Building 4-AC 02	Point	85.0	
Building 4-AC 03	Point	85.0	
Building 4-AC 04	Point	85.0	
Building 4-AC 05	Point	85.0	
Building 4-AC 06	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

3

Paseo Marina - Option B
Source Levels in dB(A) - Option B- Mechanical

3

Name	Source type	Lw dB(A)	
Building 4-AC 07	Point	85.0	
Building 4-AC 08	Point	85.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

4

Paseo Marina - Option B

Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 41.2 dB(A)			
Building 4-AC 01	Point	21.3	
Building 4-AC 02	Point	17.8	
Building 4-AC 03	Point	18.1	
Building 4-AC 04	Point	17.6	
Building 4-AC 05	Point	17.0	
Building 4-AC 06	Point	16.5	
Building 4-AC 07	Point	16.1	
Building 4-AC 08	Point	15.6	
Building 3-AC 01	Point	14.8	
Building 3-AC 02	Point	15.0	
Building 3-AC 03	Point	15.3	
Building 3-AC 04	Point	15.5	
Building 3-AC 05	Point	15.8	
Building 3-AC 06	Point	18.1	
Building 3-AC 07	Point	12.3	
Building 3-AC 08	Point	12.5	
Building 3-AC 09	Point	12.6	
Building 3-AC 10	Point	12.8	
Building 3-AC 11	Point	13.0	
Building 3-AC 12	Point	9.4	
Building 3-AC 13	Point	11.7	
Building 3-AC 14	Point	11.8	
Building 3-AC 15	Point	11.9	
Building 3-AC 16	Point	12.1	
Building 3-AC 17	Point	9.1	
Building 3-AC 18	Point	9.2	
Building 3-AC 19	Point	9.3	
Building 3-AC 20	Point	9.4	
Building 3-AC 21	Point	9.3	
Building 3-AC 22	Point	8.3	
Building 3-AC 23	Point	8.5	
Building 3-AC 24	Point	8.7	
Building 3-AC 25	Point	8.8	
Building 3-AC 26	Point	8.9	
Building 3-AC 27	Point	7.9	
Building 3-AC 28	Point	8.0	
Building 3-AC 29	Point	8.1	
Building 3-AC 30	Point	8.2	
Building 3-AC 31	Point	17.8	
Building 3-AC 32	Point	17.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 33	Point	17.3	
Building 3-AC 34	Point	17.1	
Building 3-AC 35	Point	16.9	
Building 3-AC 36	Point	18.3	
Building 3-AC 37	Point	18.0	
Building 3-AC 38	Point	7.8	
Building 3-AC 39	Point	7.6	
Building 3-AC 40	Point	7.5	
Building 3-AC 41	Point	7.4	
Building 3-AC 42	Point	7.2	
Building 3-AC 43	Point	7.1	
Building 3-AC 44	Point	7.0	
Building 3-AC 45	Point	6.9	
Building 3-AC 46	Point	6.7	
Building 3-AC 47	Point	6.6	
Building 3-AC 48	Point	6.5	
Building 3-AC 49	Point	6.4	
Building 3-AC 50	Point	6.2	
Building 3-AC 51	Point	6.1	
Building 3-AC 52	Point	6.0	
Building 3-AC 53	Point	5.9	
Building 3-AC 54	Point	5.8	
Building 3-AC 55	Point	5.6	
Building 3-AC 56	Point	11.8	
Building 3-AC 57	Point	11.7	
Building 3-AC 58	Point	11.5	
Building 1-AC 36	Point	23.9	
Building 1-AC 35	Point	24.3	
Building 1-AC 34	Point	24.5	
Building 1-AC 33	Point	24.8	
Building 1-AC 32	Point	25.2	
Building 1-AC 31	Point	25.5	
Building 1-AC 01	Point	23.0	
Building 1-AC 02	Point	23.2	
Building 1-AC 03	Point	23.5	
Building 1-AC 04	Point	23.7	
Building 1-AC 05	Point	25.0	
Building 1-AC 06	Point	24.5	
Building 1-AC 07	Point	23.7	
Building 1-AC 08	Point	23.2	
Building 1-AC 09	Point	22.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1-AC 10	Point	22.3	
Building 1-AC 11	Point	21.9	
Building 1-AC 12	Point	25.0	
Building 1-AC 13	Point	24.7	
Building 1-AC 14	Point	24.5	
Building 1-AC 15	Point	24.2	
Building 1-AC 16	Point	24.0	
Building 1-AC 17	Point	23.8	
Building 1-AC 18	Point	23.5	
Building 1-AC 19	Point	23.3	
Building 1-AC 20	Point	23.1	
Building 1-AC 21	Point	23.0	
Building 1-AC 22	Point	20.8	
Building 1-AC 23	Point	21.1	
Building 1-AC 24	Point	21.5	
Building 1-AC 25	Point	21.9	
Building 1-AC 26	Point	22.4	
Building 1-AC 27	Point	12.6	
Building 1-AC 28	Point	12.8	
Building 1-AC 29	Point	12.9	
Building 1-AC 30	Point	18.5	
Building 2-AC 01	Point	28.1	
Building 2-AC 02	Point	23.9	
Building 2-AC 03	Point	21.8	
Building 2-AC 04	Point	21.1	
Building 2-AC 05	Point	20.5	
Building 2-AC 06	Point	20.9	
Building 2-AC 07	Point	21.4	
Building 2-AC 08	Point	28.7	
Building 2-AC 09	Point	25.8	
Building 2-AC 10	Point	25.0	
Building 2-AC 11	Point	24.5	
Building 2-AC 12	Point	20.7	
Building 2-AC 13	Point	21.4	
Building 2-AC 14	Point	24.5	
Building 2-AC 15	Point	20.6	
Building 2-AC 16	Point	20.1	
Building 2-AC 17	Point	19.5	
Receiver R1 FI F2 Leq,d 52.3 dB(A)			
Building 4-AC 01	Point	28.9	
Building 4-AC 02	Point	28.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
3

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 4-AC 03	Point	29.0	
Building 4-AC 04	Point	28.8	
Building 4-AC 05	Point	28.8	
Building 4-AC 06	Point	28.7	
Building 4-AC 07	Point	28.7	
Building 4-AC 08	Point	28.6	
Building 3-AC 01	Point	19.8	
Building 3-AC 02	Point	19.9	
Building 3-AC 03	Point	19.9	
Building 3-AC 04	Point	19.8	
Building 3-AC 05	Point	19.8	
Building 3-AC 06	Point	20.0	
Building 3-AC 07	Point	19.6	
Building 3-AC 08	Point	19.6	
Building 3-AC 09	Point	19.7	
Building 3-AC 10	Point	19.7	
Building 3-AC 11	Point	19.8	
Building 3-AC 12	Point	19.4	
Building 3-AC 13	Point	19.4	
Building 3-AC 14	Point	19.5	
Building 3-AC 15	Point	19.5	
Building 3-AC 16	Point	19.6	
Building 3-AC 17	Point	20.5	
Building 3-AC 18	Point	20.4	
Building 3-AC 19	Point	20.1	
Building 3-AC 20	Point	19.9	
Building 3-AC 21	Point	19.7	
Building 3-AC 22	Point	21.7	
Building 3-AC 23	Point	21.8	
Building 3-AC 24	Point	21.8	
Building 3-AC 25	Point	20.8	
Building 3-AC 26	Point	20.7	
Building 3-AC 27	Point	21.6	
Building 3-AC 28	Point	21.6	
Building 3-AC 29	Point	21.6	
Building 3-AC 30	Point	21.7	
Building 3-AC 31	Point	20.2	
Building 3-AC 32	Point	20.3	
Building 3-AC 33	Point	20.4	
Building 3-AC 34	Point	20.5	
Building 3-AC 35	Point	20.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
4

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 36	Point	20.6	
Building 3-AC 37	Point	20.7	
Building 3-AC 38	Point	21.5	
Building 3-AC 39	Point	21.4	
Building 3-AC 40	Point	21.3	
Building 3-AC 41	Point	21.2	
Building 3-AC 42	Point	21.1	
Building 3-AC 43	Point	21.0	
Building 3-AC 44	Point	19.4	
Building 3-AC 45	Point	19.3	
Building 3-AC 46	Point	18.8	
Building 3-AC 47	Point	18.7	
Building 3-AC 48	Point	18.6	
Building 3-AC 49	Point	18.5	
Building 3-AC 50	Point	18.4	
Building 3-AC 51	Point	18.3	
Building 3-AC 52	Point	18.1	
Building 3-AC 53	Point	18.0	
Building 3-AC 54	Point	18.0	
Building 3-AC 55	Point	19.0	
Building 3-AC 56	Point	19.7	
Building 3-AC 57	Point	19.8	
Building 3-AC 58	Point	19.8	
Building 1-AC 36	Point	36.7	
Building 1-AC 35	Point	37.0	
Building 1-AC 34	Point	37.3	
Building 1-AC 33	Point	37.7	
Building 1-AC 32	Point	37.8	
Building 1-AC 31	Point	38.1	
Building 1-AC 01	Point	35.5	
Building 1-AC 02	Point	35.8	
Building 1-AC 03	Point	36.1	
Building 1-AC 04	Point	36.4	
Building 1-AC 05	Point	37.6	
Building 1-AC 06	Point	36.3	
Building 1-AC 07	Point	35.7	
Building 1-AC 08	Point	35.1	
Building 1-AC 09	Point	34.6	
Building 1-AC 10	Point	34.1	
Building 1-AC 11	Point	33.6	
Building 1-AC 12	Point	33.2	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
5

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1-AC 13	Point	32.8	
Building 1-AC 14	Point	32.4	
Building 1-AC 15	Point	32.0	
Building 1-AC 16	Point	31.6	
Building 1-AC 17	Point	31.3	
Building 1-AC 18	Point	31.0	
Building 1-AC 19	Point	30.7	
Building 1-AC 20	Point	30.4	
Building 1-AC 21	Point	30.2	
Building 1-AC 22	Point	29.9	
Building 1-AC 23	Point	30.0	
Building 1-AC 24	Point	30.0	
Building 1-AC 25	Point	30.1	
Building 1-AC 26	Point	30.1	
Building 1-AC 27	Point	26.0	
Building 1-AC 28	Point	26.0	
Building 1-AC 29	Point	26.1	
Building 1-AC 30	Point	26.2	
Building 2-AC 01	Point	39.0	
Building 2-AC 02	Point	37.5	
Building 2-AC 03	Point	36.5	
Building 2-AC 04	Point	35.5	
Building 2-AC 05	Point	30.6	
Building 2-AC 06	Point	31.3	
Building 2-AC 07	Point	32.0	
Building 2-AC 08	Point	40.2	
Building 2-AC 09	Point	38.4	
Building 2-AC 10	Point	37.0	
Building 2-AC 11	Point	35.8	
Building 2-AC 12	Point	30.7	
Building 2-AC 13	Point	31.4	
Building 2-AC 14	Point	32.2	
Building 2-AC 15	Point	34.5	
Building 2-AC 16	Point	33.6	
Building 2-AC 17	Point	32.7	
Receiver R2 FI G Leq,d 45.1 dB(A)			
Building 4-AC 01	Point	9.6	
Building 4-AC 02	Point	10.3	
Building 4-AC 03	Point	10.1	
Building 4-AC 04	Point	9.8	
Building 4-AC 05	Point	9.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
6

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 4-AC 06	Point	9.3	
Building 4-AC 07	Point	9.1	
Building 4-AC 08	Point	8.9	
Building 3-AC 01	Point	25.9	
Building 3-AC 02	Point	25.8	
Building 3-AC 03	Point	18.7	
Building 3-AC 04	Point	16.7	
Building 3-AC 05	Point	15.3	
Building 3-AC 06	Point	14.5	
Building 3-AC 07	Point	26.3	
Building 3-AC 08	Point	26.2	
Building 3-AC 09	Point	26.1	
Building 3-AC 10	Point	26.1	
Building 3-AC 11	Point	26.0	
Building 3-AC 12	Point	26.9	
Building 3-AC 13	Point	26.7	
Building 3-AC 14	Point	26.6	
Building 3-AC 15	Point	26.6	
Building 3-AC 16	Point	26.4	
Building 3-AC 17	Point	29.0	
Building 3-AC 18	Point	27.2	
Building 3-AC 19	Point	27.1	
Building 3-AC 20	Point	27.0	
Building 3-AC 21	Point	27.0	
Building 3-AC 22	Point	29.0	
Building 3-AC 23	Point	29.0	
Building 3-AC 24	Point	29.0	
Building 3-AC 25	Point	29.0	
Building 3-AC 26	Point	29.0	
Building 3-AC 27	Point	28.8	
Building 3-AC 28	Point	28.8	
Building 3-AC 29	Point	28.8	
Building 3-AC 30	Point	29.0	
Building 3-AC 31	Point	15.0	
Building 3-AC 32	Point	15.9	
Building 3-AC 33	Point	17.4	
Building 3-AC 34	Point	23.0	
Building 3-AC 35	Point	22.6	
Building 3-AC 36	Point	22.1	
Building 3-AC 37	Point	21.6	
Building 3-AC 38	Point	28.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
7

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 39	Point	27.3	
Building 3-AC 40	Point	26.6	
Building 3-AC 41	Point	26.1	
Building 3-AC 42	Point	25.6	
Building 3-AC 43	Point	25.1	
Building 3-AC 44	Point	23.4	
Building 3-AC 45	Point	22.9	
Building 3-AC 46	Point	22.5	
Building 3-AC 47	Point	22.1	
Building 3-AC 48	Point	21.0	
Building 3-AC 49	Point	20.7	
Building 3-AC 50	Point	20.4	
Building 3-AC 51	Point	20.0	
Building 3-AC 52	Point	19.7	
Building 3-AC 53	Point	19.3	
Building 3-AC 54	Point	19.0	
Building 3-AC 55	Point	18.8	
Building 3-AC 56	Point	25.0	
Building 3-AC 57	Point	24.4	
Building 3-AC 58	Point	24.0	
Building 1-AC 36	Point	24.1	
Building 1-AC 35	Point	22.9	
Building 1-AC 34	Point	22.3	
Building 1-AC 33	Point	21.7	
Building 1-AC 32	Point	21.2	
Building 1-AC 31	Point	20.8	
Building 1-AC 01	Point	29.0	
Building 1-AC 02	Point	28.1	
Building 1-AC 03	Point	27.4	
Building 1-AC 04	Point	26.9	
Building 1-AC 05	Point	20.8	
Building 1-AC 06	Point	20.6	
Building 1-AC 07	Point	20.6	
Building 1-AC 08	Point	26.2	
Building 1-AC 09	Point	26.2	
Building 1-AC 10	Point	26.2	
Building 1-AC 11	Point	26.0	
Building 1-AC 12	Point	26.1	
Building 1-AC 13	Point	25.9	
Building 1-AC 14	Point	26.1	
Building 1-AC 15	Point	26.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
8

Paseo Marina - Option B

Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1-AC 16	Point	25.9	
Building 1-AC 17	Point	25.9	
Building 1-AC 18	Point	25.5	
Building 1-AC 19	Point	24.0	
Building 1-AC 20	Point	22.7	
Building 1-AC 21	Point	22.0	
Building 1-AC 22	Point	23.0	
Building 1-AC 23	Point	22.3	
Building 1-AC 24	Point	22.3	
Building 1-AC 25	Point	22.2	
Building 1-AC 26	Point	22.1	
Building 1-AC 27	Point	26.8	
Building 1-AC 28	Point	25.5	
Building 1-AC 29	Point	24.5	
Building 1-AC 30	Point	23.6	
Building 2-AC 01	Point	9.8	
Building 2-AC 02	Point	9.7	
Building 2-AC 03	Point	12.2	
Building 2-AC 04	Point	23.0	
Building 2-AC 05	Point	9.3	
Building 2-AC 06	Point	10.1	
Building 2-AC 07	Point	11.3	
Building 2-AC 08	Point	10.4	
Building 2-AC 09	Point	10.4	
Building 2-AC 10	Point	12.7	
Building 2-AC 11	Point	12.7	
Building 2-AC 12	Point	9.9	
Building 2-AC 13	Point	10.2	
Building 2-AC 14	Point	11.3	
Building 2-AC 15	Point	12.2	
Building 2-AC 16	Point	12.1	
Building 2-AC 17	Point	12.0	
Receiver R2 FI F2 Leq,d 51.3 dB(A)			
Building 4-AC 01	Point	18.4	
Building 4-AC 02	Point	19.9	
Building 4-AC 03	Point	19.7	
Building 4-AC 04	Point	19.6	
Building 4-AC 05	Point	19.4	
Building 4-AC 06	Point	19.2	
Building 4-AC 07	Point	19.0	
Building 4-AC 08	Point	18.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
9

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 01	Point	31.3	
Building 3-AC 02	Point	31.2	
Building 3-AC 03	Point	25.0	
Building 3-AC 04	Point	23.4	
Building 3-AC 05	Point	22.7	
Building 3-AC 06	Point	22.0	
Building 3-AC 07	Point	31.9	
Building 3-AC 08	Point	31.8	
Building 3-AC 09	Point	31.6	
Building 3-AC 10	Point	31.5	
Building 3-AC 11	Point	31.5	
Building 3-AC 12	Point	32.5	
Building 3-AC 13	Point	32.5	
Building 3-AC 14	Point	32.4	
Building 3-AC 15	Point	32.3	
Building 3-AC 16	Point	32.0	
Building 3-AC 17	Point	33.0	
Building 3-AC 18	Point	32.9	
Building 3-AC 19	Point	32.8	
Building 3-AC 20	Point	32.7	
Building 3-AC 21	Point	32.6	
Building 3-AC 22	Point	33.2	
Building 3-AC 23	Point	33.1	
Building 3-AC 24	Point	33.1	
Building 3-AC 25	Point	33.2	
Building 3-AC 26	Point	33.1	
Building 3-AC 27	Point	33.4	
Building 3-AC 28	Point	33.4	
Building 3-AC 29	Point	33.2	
Building 3-AC 30	Point	33.2	
Building 3-AC 31	Point	22.7	
Building 3-AC 32	Point	23.6	
Building 3-AC 33	Point	24.5	
Building 3-AC 34	Point	30.1	
Building 3-AC 35	Point	30.1	
Building 3-AC 36	Point	29.8	
Building 3-AC 37	Point	29.8	
Building 3-AC 38	Point	33.2	
Building 3-AC 39	Point	32.9	
Building 3-AC 40	Point	32.7	
Building 3-AC 41	Point	32.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
10

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 42	Point	32.2	
Building 3-AC 43	Point	32.0	
Building 3-AC 44	Point	31.8	
Building 3-AC 45	Point	31.5	
Building 3-AC 46	Point	31.3	
Building 3-AC 47	Point	31.1	
Building 3-AC 48	Point	30.9	
Building 3-AC 49	Point	30.7	
Building 3-AC 50	Point	30.5	
Building 3-AC 51	Point	30.3	
Building 3-AC 52	Point	30.1	
Building 3-AC 53	Point	30.0	
Building 3-AC 54	Point	29.8	
Building 3-AC 55	Point	29.6	
Building 3-AC 56	Point	31.8	
Building 3-AC 57	Point	31.6	
Building 3-AC 58	Point	31.5	
Building 1-AC 36	Point	32.1	
Building 1-AC 35	Point	31.7	
Building 1-AC 34	Point	31.0	
Building 1-AC 33	Point	30.6	
Building 1-AC 32	Point	30.2	
Building 1-AC 31	Point	29.8	
Building 1-AC 01	Point	33.9	
Building 1-AC 02	Point	33.4	
Building 1-AC 03	Point	32.9	
Building 1-AC 04	Point	32.5	
Building 1-AC 05	Point	29.7	
Building 1-AC 06	Point	29.7	
Building 1-AC 07	Point	29.7	
Building 1-AC 08	Point	31.6	
Building 1-AC 09	Point	31.6	
Building 1-AC 10	Point	31.6	
Building 1-AC 11	Point	31.8	
Building 1-AC 12	Point	31.7	
Building 1-AC 13	Point	31.6	
Building 1-AC 14	Point	31.6	
Building 1-AC 15	Point	31.6	
Building 1-AC 16	Point	31.4	
Building 1-AC 17	Point	31.7	
Building 1-AC 18	Point	31.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
11

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1-AC 19	Point	30.7	
Building 1-AC 20	Point	30.3	
Building 1-AC 21	Point	29.9	
Building 1-AC 22	Point	31.0	
Building 1-AC 23	Point	30.6	
Building 1-AC 24	Point	30.5	
Building 1-AC 25	Point	30.4	
Building 1-AC 26	Point	30.3	
Building 1-AC 27	Point	33.0	
Building 1-AC 28	Point	32.3	
Building 1-AC 29	Point	31.9	
Building 1-AC 30	Point	31.6	
Building 2-AC 01	Point	17.8	
Building 2-AC 02	Point	18.0	
Building 2-AC 03	Point	19.2	
Building 2-AC 04	Point	19.2	
Building 2-AC 05	Point	17.6	
Building 2-AC 06	Point	18.1	
Building 2-AC 07	Point	18.7	
Building 2-AC 08	Point	17.7	
Building 2-AC 09	Point	17.8	
Building 2-AC 10	Point	18.9	
Building 2-AC 11	Point	18.9	
Building 2-AC 12	Point	18.0	
Building 2-AC 13	Point	17.5	
Building 2-AC 14	Point	18.1	
Building 2-AC 15	Point	19.2	
Building 2-AC 16	Point	19.1	
Building 2-AC 17	Point	19.0	
Receiver R3 FI G Leq,d 44.2 dB(A)			
Building 4-AC 01	Point	27.5	
Building 4-AC 02	Point	26.5	
Building 4-AC 03	Point	26.4	
Building 4-AC 04	Point	26.3	
Building 4-AC 05	Point	26.3	
Building 4-AC 06	Point	26.2	
Building 4-AC 07	Point	26.1	
Building 4-AC 08	Point	26.0	
Building 3-AC 01	Point	26.4	
Building 3-AC 02	Point	26.3	
Building 3-AC 03	Point	26.4	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
12

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 04	Point	24.8	
Building 3-AC 05	Point	23.5	
Building 3-AC 06	Point	23.1	
Building 3-AC 07	Point	26.3	
Building 3-AC 08	Point	26.3	
Building 3-AC 09	Point	25.6	
Building 3-AC 10	Point	27.8	
Building 3-AC 11	Point	27.8	
Building 3-AC 12	Point	24.1	
Building 3-AC 13	Point	24.1	
Building 3-AC 14	Point	26.9	
Building 3-AC 15	Point	26.5	
Building 3-AC 16	Point	26.3	
Building 3-AC 17	Point	26.5	
Building 3-AC 18	Point	26.5	
Building 3-AC 19	Point	26.3	
Building 3-AC 20	Point	27.6	
Building 3-AC 21	Point	27.4	
Building 3-AC 22	Point	26.3	
Building 3-AC 23	Point	26.3	
Building 3-AC 24	Point	26.2	
Building 3-AC 25	Point	26.3	
Building 3-AC 26	Point	26.4	
Building 3-AC 27	Point	22.2	
Building 3-AC 28	Point	25.5	
Building 3-AC 29	Point	25.6	
Building 3-AC 30	Point	25.6	
Building 3-AC 31	Point	23.7	
Building 3-AC 32	Point	24.2	
Building 3-AC 33	Point	24.7	
Building 3-AC 34	Point	25.3	
Building 3-AC 35	Point	25.9	
Building 3-AC 36	Point	26.8	
Building 3-AC 37	Point	27.7	
Building 3-AC 38	Point	22.6	
Building 3-AC 39	Point	22.9	
Building 3-AC 40	Point	23.0	
Building 3-AC 41	Point	22.9	
Building 3-AC 42	Point	18.7	
Building 3-AC 43	Point	18.8	
Building 3-AC 44	Point	18.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
13

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 45	Point	19.1	
Building 3-AC 46	Point	19.3	
Building 3-AC 47	Point	19.5	
Building 3-AC 48	Point	19.6	
Building 3-AC 49	Point	23.5	
Building 3-AC 50	Point	23.6	
Building 3-AC 51	Point	23.8	
Building 3-AC 52	Point	24.2	
Building 3-AC 53	Point	25.1	
Building 3-AC 54	Point	26.0	
Building 3-AC 55	Point	27.4	
Building 3-AC 56	Point	27.3	
Building 3-AC 57	Point	27.9	
Building 3-AC 58	Point	28.6	
Building 1-AC 36	Point	12.4	
Building 1-AC 35	Point	15.0	
Building 1-AC 34	Point	15.0	
Building 1-AC 33	Point	15.3	
Building 1-AC 32	Point	15.7	
Building 1-AC 31	Point	15.7	
Building 1-AC 01	Point	11.4	
Building 1-AC 02	Point	11.4	
Building 1-AC 03	Point	11.3	
Building 1-AC 04	Point	11.3	
Building 1-AC 05	Point	15.9	
Building 1-AC 06	Point	14.1	
Building 1-AC 07	Point	14.3	
Building 1-AC 08	Point	14.5	
Building 1-AC 09	Point	14.7	
Building 1-AC 10	Point	15.0	
Building 1-AC 11	Point	15.2	
Building 1-AC 12	Point	15.6	
Building 1-AC 13	Point	17.9	
Building 1-AC 14	Point	18.0	
Building 1-AC 15	Point	18.2	
Building 1-AC 16	Point	18.4	
Building 1-AC 17	Point	18.7	
Building 1-AC 18	Point	18.9	
Building 1-AC 19	Point	19.3	
Building 1-AC 20	Point	19.6	
Building 1-AC 21	Point	19.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
14

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1-AC 22	Point	20.4	
Building 1-AC 23	Point	20.2	
Building 1-AC 24	Point	20.1	
Building 1-AC 25	Point	19.9	
Building 1-AC 26	Point	19.9	
Building 1-AC 27	Point	19.7	
Building 1-AC 28	Point	16.2	
Building 1-AC 29	Point	18.2	
Building 1-AC 30	Point	18.5	
Building 2-AC 01	Point	12.2	
Building 2-AC 02	Point	12.8	
Building 2-AC 03	Point	11.3	
Building 2-AC 04	Point	11.9	
Building 2-AC 05	Point	17.7	
Building 2-AC 06	Point	18.2	
Building 2-AC 07	Point	22.4	
Building 2-AC 08	Point	11.9	
Building 2-AC 09	Point	12.8	
Building 2-AC 10	Point	13.1	
Building 2-AC 11	Point	11.7	
Building 2-AC 12	Point	20.6	
Building 2-AC 13	Point	15.7	
Building 2-AC 14	Point	14.6	
Building 2-AC 15	Point	12.5	
Building 2-AC 16	Point	13.2	
Building 2-AC 17	Point	14.0	
Receiver R3 FI F2 Leq,d 46.2 dB(A)			
Building 4-AC 01	Point	28.7	
Building 4-AC 02	Point	28.0	
Building 4-AC 03	Point	27.9	
Building 4-AC 04	Point	27.9	
Building 4-AC 05	Point	27.8	
Building 4-AC 06	Point	27.6	
Building 4-AC 07	Point	27.5	
Building 4-AC 08	Point	27.6	
Building 3-AC 01	Point	27.9	
Building 3-AC 02	Point	28.0	
Building 3-AC 03	Point	28.0	
Building 3-AC 04	Point	26.9	
Building 3-AC 05	Point	25.8	
Building 3-AC 06	Point	25.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
15

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 07	Point	28.3	
Building 3-AC 08	Point	28.3	
Building 3-AC 09	Point	29.6	
Building 3-AC 10	Point	29.6	
Building 3-AC 11	Point	29.5	
Building 3-AC 12	Point	26.2	
Building 3-AC 13	Point	26.2	
Building 3-AC 14	Point	28.8	
Building 3-AC 15	Point	28.6	
Building 3-AC 16	Point	28.4	
Building 3-AC 17	Point	28.0	
Building 3-AC 18	Point	28.0	
Building 3-AC 19	Point	22.6	
Building 3-AC 20	Point	26.2	
Building 3-AC 21	Point	29.3	
Building 3-AC 22	Point	27.8	
Building 3-AC 23	Point	28.0	
Building 3-AC 24	Point	28.0	
Building 3-AC 25	Point	28.1	
Building 3-AC 26	Point	28.0	
Building 3-AC 27	Point	27.4	
Building 3-AC 28	Point	27.2	
Building 3-AC 29	Point	27.3	
Building 3-AC 30	Point	27.6	
Building 3-AC 31	Point	25.9	
Building 3-AC 32	Point	26.3	
Building 3-AC 33	Point	26.8	
Building 3-AC 34	Point	27.3	
Building 3-AC 35	Point	27.9	
Building 3-AC 36	Point	28.6	
Building 3-AC 37	Point	29.3	
Building 3-AC 38	Point	27.9	
Building 3-AC 39	Point	25.9	
Building 3-AC 40	Point	25.9	
Building 3-AC 41	Point	26.0	
Building 3-AC 42	Point	21.0	
Building 3-AC 43	Point	21.7	
Building 3-AC 44	Point	21.9	
Building 3-AC 45	Point	22.0	
Building 3-AC 46	Point	21.2	
Building 3-AC 47	Point	21.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
16

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 48	Point	21.4	
Building 3-AC 49	Point	25.8	
Building 3-AC 50	Point	25.9	
Building 3-AC 51	Point	26.0	
Building 3-AC 52	Point	26.4	
Building 3-AC 53	Point	27.2	
Building 3-AC 54	Point	28.2	
Building 3-AC 55	Point	29.2	
Building 3-AC 56	Point	29.3	
Building 3-AC 57	Point	29.8	
Building 3-AC 58	Point	30.3	
Building 1-AC 36	Point	15.4	
Building 1-AC 35	Point	15.4	
Building 1-AC 34	Point	15.4	
Building 1-AC 33	Point	16.0	
Building 1-AC 32	Point	16.7	
Building 1-AC 31	Point	18.7	
Building 1-AC 01	Point	14.2	
Building 1-AC 02	Point	14.2	
Building 1-AC 03	Point	14.2	
Building 1-AC 04	Point	14.2	
Building 1-AC 05	Point	18.9	
Building 1-AC 06	Point	17.2	
Building 1-AC 07	Point	17.4	
Building 1-AC 08	Point	17.6	
Building 1-AC 09	Point	17.8	
Building 1-AC 10	Point	18.0	
Building 1-AC 11	Point	18.3	
Building 1-AC 12	Point	18.5	
Building 1-AC 13	Point	20.9	
Building 1-AC 14	Point	21.1	
Building 1-AC 15	Point	21.3	
Building 1-AC 16	Point	21.5	
Building 1-AC 17	Point	21.7	
Building 1-AC 18	Point	22.0	
Building 1-AC 19	Point	22.3	
Building 1-AC 20	Point	22.7	
Building 1-AC 21	Point	23.0	
Building 1-AC 22	Point	23.5	
Building 1-AC 23	Point	23.3	
Building 1-AC 24	Point	23.1	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
17

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1-AC 25	Point	23.0	
Building 1-AC 26	Point	23.0	
Building 1-AC 27	Point	22.7	
Building 1-AC 28	Point	19.3	
Building 1-AC 29	Point	21.6	
Building 1-AC 30	Point	21.6	
Building 2-AC 01	Point	14.9	
Building 2-AC 02	Point	15.6	
Building 2-AC 03	Point	14.3	
Building 2-AC 04	Point	14.6	
Building 2-AC 05	Point	19.9	
Building 2-AC 06	Point	20.5	
Building 2-AC 07	Point	25.8	
Building 2-AC 08	Point	14.6	
Building 2-AC 09	Point	15.4	
Building 2-AC 10	Point	15.9	
Building 2-AC 11	Point	14.9	
Building 2-AC 12	Point	24.7	
Building 2-AC 13	Point	18.2	
Building 2-AC 14	Point	17.2	
Building 2-AC 15	Point	15.2	
Building 2-AC 16	Point	15.9	
Building 2-AC 17	Point	16.7	
Receiver R4 FI G Leq,d 43.0 dB(A)			
Building 4-AC 01	Point	26.6	
Building 4-AC 02	Point	23.7	
Building 4-AC 03	Point	25.8	
Building 4-AC 04	Point	25.9	
Building 4-AC 05	Point	29.1	
Building 4-AC 06	Point	29.3	
Building 4-AC 07	Point	26.8	
Building 4-AC 08	Point	28.3	
Building 3-AC 01	Point	18.5	
Building 3-AC 02	Point	16.2	
Building 3-AC 03	Point	16.2	
Building 3-AC 04	Point	16.2	
Building 3-AC 05	Point	16.1	
Building 3-AC 06	Point	16.1	
Building 3-AC 07	Point	16.6	
Building 3-AC 08	Point	21.4	
Building 3-AC 09	Point	21.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
18

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 10	Point	22.2	
Building 3-AC 11	Point	22.5	
Building 3-AC 12	Point	15.9	
Building 3-AC 13	Point	16.0	
Building 3-AC 14	Point	16.1	
Building 3-AC 15	Point	16.1	
Building 3-AC 16	Point	16.3	
Building 3-AC 17	Point	16.2	
Building 3-AC 18	Point	16.2	
Building 3-AC 19	Point	16.1	
Building 3-AC 20	Point	15.9	
Building 3-AC 21	Point	15.9	
Building 3-AC 22	Point	16.7	
Building 3-AC 23	Point	17.5	
Building 3-AC 24	Point	17.7	
Building 3-AC 25	Point	16.3	
Building 3-AC 26	Point	16.2	
Building 3-AC 27	Point	16.6	
Building 3-AC 28	Point	16.3	
Building 3-AC 29	Point	16.3	
Building 3-AC 30	Point	16.4	
Building 3-AC 31	Point	16.6	
Building 3-AC 32	Point	17.2	
Building 3-AC 33	Point	17.8	
Building 3-AC 34	Point	21.7	
Building 3-AC 35	Point	26.0	
Building 3-AC 36	Point	27.5	
Building 3-AC 37	Point	27.6	
Building 3-AC 38	Point	16.9	
Building 3-AC 39	Point	17.4	
Building 3-AC 40	Point	18.3	
Building 3-AC 41	Point	21.3	
Building 3-AC 42	Point	21.9	
Building 3-AC 43	Point	24.7	
Building 3-AC 44	Point	24.7	
Building 3-AC 45	Point	24.8	
Building 3-AC 46	Point	24.7	
Building 3-AC 47	Point	24.8	
Building 3-AC 48	Point	24.8	
Building 3-AC 49	Point	24.8	
Building 3-AC 50	Point	21.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
19

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 51	Point	24.3	
Building 3-AC 52	Point	24.3	
Building 3-AC 53	Point	24.3	
Building 3-AC 54	Point	26.7	
Building 3-AC 55	Point	26.7	
Building 3-AC 56	Point	17.0	
Building 3-AC 57	Point	17.5	
Building 3-AC 58	Point	18.2	
Building 1-AC 36	Point	10.2	
Building 1-AC 35	Point	10.4	
Building 1-AC 34	Point	10.6	
Building 1-AC 33	Point	10.8	
Building 1-AC 32	Point	11.0	
Building 1-AC 31	Point	14.8	
Building 1-AC 01	Point	8.6	
Building 1-AC 02	Point	8.8	
Building 1-AC 03	Point	9.0	
Building 1-AC 04	Point	9.3	
Building 1-AC 05	Point	11.3	
Building 1-AC 06	Point	11.4	
Building 1-AC 07	Point	11.5	
Building 1-AC 08	Point	11.5	
Building 1-AC 09	Point	11.6	
Building 1-AC 10	Point	11.6	
Building 1-AC 11	Point	11.7	
Building 1-AC 12	Point	11.7	
Building 1-AC 13	Point	11.8	
Building 1-AC 14	Point	11.9	
Building 1-AC 15	Point	11.9	
Building 1-AC 16	Point	11.9	
Building 1-AC 17	Point	12.0	
Building 1-AC 18	Point	12.1	
Building 1-AC 19	Point	12.1	
Building 1-AC 20	Point	12.2	
Building 1-AC 21	Point	12.4	
Building 1-AC 22	Point	12.2	
Building 1-AC 23	Point	12.3	
Building 1-AC 24	Point	12.2	
Building 1-AC 25	Point	12.3	
Building 1-AC 26	Point	12.3	
Building 1-AC 27	Point	11.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
20

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 1-AC 28	Point	11.9	
Building 1-AC 29	Point	11.9	
Building 1-AC 30	Point	12.0	
Building 2-AC 01	Point	25.5	
Building 2-AC 02	Point	25.8	
Building 2-AC 03	Point	26.1	
Building 2-AC 04	Point	26.2	
Building 2-AC 05	Point	31.7	
Building 2-AC 06	Point	28.5	
Building 2-AC 07	Point	27.5	
Building 2-AC 08	Point	22.7	
Building 2-AC 09	Point	22.8	
Building 2-AC 10	Point	22.9	
Building 2-AC 11	Point	23.1	
Building 2-AC 12	Point	17.2	
Building 2-AC 13	Point	17.2	
Building 2-AC 14	Point	26.1	
Building 2-AC 15	Point	26.4	
Building 2-AC 16	Point	26.8	
Building 2-AC 17	Point	27.1	
Receiver R4 FI F2 Leq,d 47.3 dB(A)			
Building 4-AC 01	Point	31.8	
Building 4-AC 02	Point	30.5	
Building 4-AC 03	Point	31.4	
Building 4-AC 04	Point	31.5	
Building 4-AC 05	Point	31.6	
Building 4-AC 06	Point	31.9	
Building 4-AC 07	Point	32.1	
Building 4-AC 08	Point	32.7	
Building 3-AC 01	Point	28.3	
Building 3-AC 02	Point	24.7	
Building 3-AC 03	Point	25.2	
Building 3-AC 04	Point	24.9	
Building 3-AC 05	Point	24.7	
Building 3-AC 06	Point	24.5	
Building 3-AC 07	Point	24.7	
Building 3-AC 08	Point	27.5	
Building 3-AC 09	Point	27.7	
Building 3-AC 10	Point	27.9	
Building 3-AC 11	Point	28.1	
Building 3-AC 12	Point	24.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
21

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 13	Point	24.7	
Building 3-AC 14	Point	24.5	
Building 3-AC 15	Point	24.5	
Building 3-AC 16	Point	24.5	
Building 3-AC 17	Point	24.5	
Building 3-AC 18	Point	24.4	
Building 3-AC 19	Point	24.4	
Building 3-AC 20	Point	24.7	
Building 3-AC 21	Point	24.5	
Building 3-AC 22	Point	24.5	
Building 3-AC 23	Point	26.2	
Building 3-AC 24	Point	26.4	
Building 3-AC 25	Point	24.7	
Building 3-AC 26	Point	24.5	
Building 3-AC 27	Point	24.3	
Building 3-AC 28	Point	24.2	
Building 3-AC 29	Point	24.2	
Building 3-AC 30	Point	24.3	
Building 3-AC 31	Point	25.0	
Building 3-AC 32	Point	25.5	
Building 3-AC 33	Point	26.1	
Building 3-AC 34	Point	29.7	
Building 3-AC 35	Point	29.8	
Building 3-AC 36	Point	29.9	
Building 3-AC 37	Point	30.0	
Building 3-AC 38	Point	24.2	
Building 3-AC 39	Point	24.3	
Building 3-AC 40	Point	24.4	
Building 3-AC 41	Point	25.8	
Building 3-AC 42	Point	25.7	
Building 3-AC 43	Point	25.8	
Building 3-AC 44	Point	25.8	
Building 3-AC 45	Point	25.9	
Building 3-AC 46	Point	25.9	
Building 3-AC 47	Point	25.9	
Building 3-AC 48	Point	26.0	
Building 3-AC 49	Point	26.0	
Building 3-AC 50	Point	24.8	
Building 3-AC 51	Point	26.3	
Building 3-AC 52	Point	26.4	
Building 3-AC 53	Point	26.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
22

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 3-AC 54	Point	26.4	
Building 3-AC 55	Point	26.4	
Building 3-AC 56	Point	24.9	
Building 3-AC 57	Point	24.7	
Building 3-AC 58	Point	24.9	
Building 1-AC 36	Point	20.2	
Building 1-AC 35	Point	20.5	
Building 1-AC 34	Point	20.7	
Building 1-AC 33	Point	20.9	
Building 1-AC 32	Point	21.1	
Building 1-AC 31	Point	24.0	
Building 1-AC 01	Point	17.9	
Building 1-AC 02	Point	18.2	
Building 1-AC 03	Point	18.5	
Building 1-AC 04	Point	18.7	
Building 1-AC 05	Point	21.4	
Building 1-AC 06	Point	21.4	
Building 1-AC 07	Point	21.5	
Building 1-AC 08	Point	21.5	
Building 1-AC 09	Point	21.6	
Building 1-AC 10	Point	21.6	
Building 1-AC 11	Point	21.7	
Building 1-AC 12	Point	21.6	
Building 1-AC 13	Point	21.7	
Building 1-AC 14	Point	21.7	
Building 1-AC 15	Point	21.8	
Building 1-AC 16	Point	21.8	
Building 1-AC 17	Point	21.8	
Building 1-AC 18	Point	21.9	
Building 1-AC 19	Point	21.9	
Building 1-AC 20	Point	22.0	
Building 1-AC 21	Point	22.1	
Building 1-AC 22	Point	22.0	
Building 1-AC 23	Point	22.0	
Building 1-AC 24	Point	22.0	
Building 1-AC 25	Point	22.1	
Building 1-AC 26	Point	22.1	
Building 1-AC 27	Point	21.8	
Building 1-AC 28	Point	21.9	
Building 1-AC 29	Point	21.9	
Building 1-AC 30	Point	22.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
23

Paseo Marina - Option B
Contribution level - Option B- Mechanical

9

Source	Source type	Leq,d dB(A)	
Building 2-AC 01	Point	27.1	
Building 2-AC 02	Point	27.6	
Building 2-AC 03	Point	28.2	
Building 2-AC 04	Point	28.8	
Building 2-AC 05	Point	32.2	
Building 2-AC 06	Point	31.5	
Building 2-AC 07	Point	30.9	
Building 2-AC 08	Point	27.1	
Building 2-AC 09	Point	27.4	
Building 2-AC 10	Point	27.8	
Building 2-AC 11	Point	28.4	
Building 2-AC 12	Point	24.8	
Building 2-AC 13	Point	24.6	
Building 2-AC 14	Point	30.6	
Building 2-AC 15	Point	29.4	
Building 2-AC 16	Point	29.6	
Building 2-AC 17	Point	30.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
24

Paseo Marina - Option B
Source Levels in dB(A) - Option B - Loading

3

Name	Source type	Lw dB(A)	
Loading 1	Point	101.9	
Loading 2	Point	101.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina - Option B

Contribution level - Option B - Loading

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 66.1 dB(A)			
Loading 1	Point	66.1	
Loading 2	Point	25.8	
Receiver R1 FI F2 Leq,d 46.3 dB(A)			
Loading 1	Point	46.2	
Loading 2	Point	25.1	
Receiver R2 FI G Leq,d 57.4 dB(A)			
Loading 1	Point	19.7	
Loading 2	Point	57.4	
Receiver R2 FI F2 Leq,d 56.0 dB(A)			
Loading 1	Point	19.0	
Loading 2	Point	56.0	
Receiver R3 FI G Leq,d 28.2 dB(A)			
Loading 1	Point	22.3	
Loading 2	Point	26.9	
Receiver R3 FI F2 Leq,d 27.7 dB(A)			
Loading 1	Point	21.1	
Loading 2	Point	26.6	
Receiver R4 FI G Leq,d 26.6 dB(A)			
Loading 1	Point	24.7	
Loading 2	Point	22.0	
Receiver R4 FI F2 Leq,d 25.4 dB(A)			
Loading 1	Point	23.6	
Loading 2	Point	20.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina - Option B
Source Levels in dB(A) - Option B - Trash Compactors

3

Name	Source type	Lw dB(A)	
Trash Compactor 1	Point	87.7	
Trash Compactor 2	Point	87.7	
Trash Compactor 3	Point	87.7	
Trash Compactor 4	Point	87.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina - Option B

Contribution level - Option B - Trash Compactors

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 51.3 dB(A)			
Trash Compactor 1	Point	9.9	
Trash Compactor 2	Point	3.0	
Trash Compactor 3	Point	51.2	
Trash Compactor 4	Point	27.4	
Receiver R1 FI F2 Leq,d 33.5 dB(A)			
Trash Compactor 1	Point	-2.7	
Trash Compactor 2	Point	6.2	
Trash Compactor 3	Point	32.5	
Trash Compactor 4	Point	26.8	
Receiver R2 FI G Leq,d 13.9 dB(A)			
Trash Compactor 1	Point	2.9	
Trash Compactor 2	Point	6.6	
Trash Compactor 3	Point	11.7	
Trash Compactor 4	Point	5.1	
Receiver R2 FI F2 Leq,d 21.5 dB(A)			
Trash Compactor 1	Point	9.4	
Trash Compactor 2	Point		
Trash Compactor 3	Point	20.7	
Trash Compactor 4	Point	11.2	
Receiver R3 FI G Leq,d 9.8 dB(A)			
Trash Compactor 1	Point	-0.2	
Trash Compactor 2	Point	1.0	
Trash Compactor 3	Point	8.4	
Trash Compactor 4	Point	-2.4	
Receiver R3 FI F2 Leq,d 9.2 dB(A)			
Trash Compactor 1	Point	0.2	
Trash Compactor 2	Point	1.4	
Trash Compactor 3	Point	7.4	
Trash Compactor 4	Point	-3.8	
Receiver R4 FI G Leq,d 3.2 dB(A)			
Trash Compactor 1	Point	-1.1	
Trash Compactor 2	Point	-2.8	
Trash Compactor 3	Point	-3.8	
Trash Compactor 4	Point	-4.2	
Receiver R4 FI F2 Leq,d 7.6 dB(A)			
Trash Compactor 1	Point	5.1	
Trash Compactor 2	Point		
Trash Compactor 3	Point	-3.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina - Option B
Source Levels in dB(A) - Option B - Parking

3

Name	Source type	Lw dB(A)	
Parking Level 1 (inside)	PLot	92.9	
Parking Level 1 (inside)	PLot	83.7	
Parking Level 1 (outside)	PLot	81.2	

Paseo Marina - Option B

Contribution level - Option B - Parking

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 43.5 dB(A)			
Parking Level 1 (inside)	PLot	43.5	
Parking Level 1 (outside)	PLot	4.3	
Parking Level 1 (inside)	PLot	5.1	
Receiver R1 FI F2 Leq,d 42.4 dB(A)			
Parking Level 1 (inside)	PLot	42.4	
Parking Level 1 (outside)	PLot	2.8	
Parking Level 1 (inside)	PLot	-0.3	
Receiver R2 FI G Leq,d 30.2 dB(A)			
Parking Level 1 (inside)	PLot	25.7	
Parking Level 1 (outside)	PLot	27.6	
Parking Level 1 (inside)	PLot	19.8	
Receiver R2 FI F2 Leq,d 30.0 dB(A)			
Parking Level 1 (inside)	PLot	28.1	
Parking Level 1 (outside)	PLot	25.4	
Parking Level 1 (inside)	PLot	11.7	
Receiver R3 FI G Leq,d 22.5 dB(A)			
Parking Level 1 (inside)	PLot	21.7	
Parking Level 1 (outside)	PLot	14.0	
Parking Level 1 (inside)	PLot	3.5	
Receiver R3 FI F2 Leq,d 21.7 dB(A)			
Parking Level 1 (inside)	PLot	20.9	
Parking Level 1 (outside)	PLot	13.5	
Parking Level 1 (inside)	PLot	2.4	
Receiver R4 FI G Leq,d 21.6 dB(A)			
Parking Level 1 (inside)	PLot	21.4	
Parking Level 1 (outside)	PLot	4.9	
Parking Level 1 (inside)	PLot	2.8	
Receiver R4 FI F2 Leq,d 21.6 dB(A)			
Parking Level 1 (inside)	PLot	21.5	
Parking Level 1 (outside)	PLot	3.6	
Parking Level 1 (inside)	PLot	0.1	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina - Option B
Source Levels in dB(A) - Option B - People

3

Name	Source type	Lw dB(A)	
People Level 1 - NE corner	Area	87.7	
People Level 1 - Park	Area	96.9	
People Level 1 - SE corner	Area	89.6	
People Level 2 Building 1 Courtyard	Area	96.8	
People Level 2 Building 3 Courtyard	Area	96.3	
People Level 2 Courtyard	Area	97.2	
People Level 6 Building 3	Area	89.2	
People Level 6 Building 4	Area	83.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina - Option B

Contribution level - Option B - People

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 43.1 dB(A)			
People Level 1 - Park	Area	23.2	
People Level 1 - NE corner	Area	11.8	
People Level 1 - SE corner	Area	11.3	
People Level 2 Building 1 Courtyard	Area	29.6	
People Level 2 Courtyard	Area	42.8	
People Level 2 Building 3 Courtyard	Area	21.8	
People Level 6 Building 3	Area	14.0	
People Level 6 Building 4	Area	11.5	
Receiver R1 FI F2 Leq,d 53.7 dB(A)			
People Level 1 - Park	Area	30.8	
People Level 1 - NE corner	Area	12.7	
People Level 1 - SE corner	Area	9.6	
People Level 2 Building 1 Courtyard	Area	29.5	
People Level 2 Courtyard	Area	53.6	
People Level 2 Building 3 Courtyard	Area	19.8	
People Level 6 Building 3	Area	23.3	
People Level 6 Building 4	Area	15.8	
Receiver R2 FI G Leq,d 49.8 dB(A)			
People Level 1 - Park	Area	20.7	
People Level 1 - NE corner	Area	9.2	
People Level 1 - SE corner	Area	20.1	
People Level 2 Building 1 Courtyard	Area	49.6	
People Level 2 Courtyard	Area	36.0	
People Level 2 Building 3 Courtyard	Area	22.4	
People Level 6 Building 3	Area	19.7	
People Level 6 Building 4	Area	6.3	
Receiver R2 FI F2 Leq,d 54.9 dB(A)			
People Level 1 - Park	Area	21.8	
People Level 1 - NE corner	Area	9.3	
People Level 1 - SE corner	Area	21.1	
People Level 2 Building 1 Courtyard	Area	54.7	
People Level 2 Courtyard	Area	41.1	
People Level 2 Building 3 Courtyard	Area	24.2	
People Level 6 Building 3	Area	26.0	
People Level 6 Building 4	Area	9.6	
Receiver R3 FI G Leq,d 54.2 dB(A)			
People Level 1 - Park	Area	52.3	
People Level 1 - NE corner	Area	36.2	
People Level 1 - SE corner	Area	42.8	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina - Option B

Contribution level - Option B - People

9

Source	Source type	Leq,d dB(A)	
People Level 2 Building 1 Courtyard	Area	22.5	
People Level 2 Courtyard	Area	35.0	
People Level 2 Building 3 Courtyard	Area	47.7	
People Level 6 Building 3	Area	36.9	
People Level 6 Building 4	Area	33.1	
Receiver R3 FI F2 Leq,d 56.2 dB(A)			
People Level 1 - Park	Area	54.6	
People Level 1 - NE corner	Area	37.2	
People Level 1 - SE corner	Area	44.8	
People Level 2 Building 1 Courtyard	Area	21.5	
People Level 2 Courtyard	Area	36.6	
People Level 2 Building 3 Courtyard	Area	49.1	
People Level 6 Building 3	Area	38.2	
People Level 6 Building 4	Area	33.5	
Receiver R4 FI G Leq,d 48.6 dB(A)			
People Level 1 - Park	Area	44.9	
People Level 1 - NE corner	Area	44.0	
People Level 1 - SE corner	Area	30.5	
People Level 2 Building 1 Courtyard	Area	19.5	
People Level 2 Courtyard	Area	29.5	
People Level 2 Building 3 Courtyard	Area	39.8	
People Level 6 Building 3	Area	33.3	
People Level 6 Building 4	Area	34.4	
Receiver R4 FI F2 Leq,d 51.5 dB(A)			
People Level 1 - Park	Area	47.8	
People Level 1 - NE corner	Area	47.1	
People Level 1 - SE corner	Area	32.3	
People Level 2 Building 1 Courtyard	Area	19.7	
People Level 2 Courtyard	Area	34.8	
People Level 2 Building 3 Courtyard	Area	42.3	
People Level 6 Building 3	Area	34.0	
People Level 6 Building 4	Area	35.9	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

Paseo Marina - Option B

Source Levels in dB(A) - Option B - Speakers

3

Name	Source type	Lw dB(A)	
Speakers Level 1 NE	Point	98.6	
Speakers Level 1 NE	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 Park	Point	98.6	
Speakers Level 1 SE	Point	98.6	
Speakers Level 1 SE	Point	98.6	
Speakers Level 2 Building 1	Point	98.6	
Speakers Level 2 Building 1	Point	98.6	
Speakers Level 2 Building 1	Point	98.6	
Speakers Level 2 Building 3 Courtyard	Point	103.6	
Speakers Level 2 Building 3 Courtyard	Point	103.6	
Speakers Level 2 Building 3 Courtyard	Point	103.6	
Speakers Level 2 Building 3 Courtyard	Point	103.6	
Speakers Level 2 Building 3 Courtyard	Point	103.6	
Speakers Level 2 Building 3 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 2 Courtyard	Point	103.6	
Speakers Level 6 Building 3	Point	98.6	
Speakers Level 6 Building 3	Point	98.6	
Speakers Level 6 Building 4	Point	98.6	
Speakers Level 6 Building 4	Point	98.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

1

Paseo Marina - Option B

Contribution level - Option B - Speakers

9

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 41.1 dB(A)			
Speakers Level 1 NE	Point	4.1	
Speakers Level 1 NE	Point	1.4	
Speakers Level 1 SE	Point	1.2	
Speakers Level 1 SE	Point	0.5	
Speakers Level 1 Park	Point	9.3	
Speakers Level 1 Park	Point	11.2	
Speakers Level 1 Park	Point	4.1	
Speakers Level 1 Park	Point	3.0	
Speakers Level 1 Park	Point	7.5	
Speakers Level 1 Park	Point	8.1	
Speakers Level 1 Park	Point	4.1	
Speakers Level 1 Park	Point	2.9	
Speakers Level 2 Building 1	Point	18.2	
Speakers Level 2 Building 1	Point	10.4	
Speakers Level 2 Building 1	Point	21.7	
Speakers Level 2 Courtyard	Point	34.6	
Speakers Level 2 Courtyard	Point	32.3	
Speakers Level 2 Courtyard	Point	35.5	
Speakers Level 2 Courtyard	Point	27.6	
Speakers Level 2 Courtyard	Point	27.7	
Speakers Level 2 Courtyard	Point	28.5	
Speakers Level 2 Courtyard	Point	32.6	
Speakers Level 2 Courtyard	Point	28.7	
Speakers Level 2 Building 3 Courtyard	Point	10.4	
Speakers Level 2 Building 3 Courtyard	Point	9.6	
Speakers Level 2 Building 3 Courtyard	Point	5.7	
Speakers Level 2 Building 3 Courtyard	Point	8.1	
Speakers Level 2 Building 3 Courtyard	Point	14.5	
Speakers Level 2 Building 3 Courtyard	Point	7.7	
Speakers Level 6 Building 4	Point	5.0	
Speakers Level 6 Building 4	Point	6.8	
Speakers Level 6 Building 3	Point	10.0	
Speakers Level 6 Building 3	Point	9.4	
Receiver R1 FI F2 Leq,d 51.4 dB(A)			
Speakers Level 1 NE	Point	2.5	
Speakers Level 1 NE	Point	0.1	
Speakers Level 1 SE	Point	-1.3	
Speakers Level 1 SE	Point	-1.9	
Speakers Level 1 Park	Point	7.3	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Paseo Marina - Option B

Contribution level - Option B - Speakers

9

Source	Source type	Leq,d dB(A)	
Speakers Level 1 Park	Point	8.6	
Speakers Level 1 Park	Point	0.5	
Speakers Level 1 Park	Point	0.3	
Speakers Level 1 Park	Point	13.5	
Speakers Level 1 Park	Point	5.6	
Speakers Level 1 Park	Point	2.2	
Speakers Level 1 Park	Point	0.2	
Speakers Level 2 Building 1	Point	17.5	
Speakers Level 2 Building 1	Point	10.3	
Speakers Level 2 Building 1	Point	21.1	
Speakers Level 2 Courtyard	Point	46.1	
Speakers Level 2 Courtyard	Point	46.0	
Speakers Level 2 Courtyard	Point	44.0	
Speakers Level 2 Courtyard	Point	42.6	
Speakers Level 2 Courtyard	Point	40.1	
Speakers Level 2 Courtyard	Point	26.6	
Speakers Level 2 Courtyard	Point	31.6	
Speakers Level 2 Courtyard	Point	27.4	
Speakers Level 2 Building 3 Courtyard	Point	8.9	
Speakers Level 2 Building 3 Courtyard	Point	7.2	
Speakers Level 2 Building 3 Courtyard	Point	6.2	
Speakers Level 2 Building 3 Courtyard	Point	6.7	
Speakers Level 2 Building 3 Courtyard	Point	14.9	
Speakers Level 2 Building 3 Courtyard	Point	6.2	
Speakers Level 6 Building 4	Point	10.9	
Speakers Level 6 Building 4	Point	11.5	
Speakers Level 6 Building 3	Point	17.8	
Speakers Level 6 Building 3	Point	18.9	
Receiver R2 FI G Leq,d 49.4 dB(A)			
Speakers Level 1 NE	Point	0.0	
Speakers Level 1 NE	Point	0.0	
Speakers Level 1 SE	Point	14.8	
Speakers Level 1 SE	Point	2.3	
Speakers Level 1 Park	Point	4.3	
Speakers Level 1 Park	Point	4.6	
Speakers Level 1 Park	Point	1.5	
Speakers Level 1 Park	Point	5.5	
Speakers Level 1 Park	Point	3.9	
Speakers Level 1 Park	Point	11.4	
Speakers Level 1 Park	Point	3.8	
Speakers Level 1 Park	Point	1.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

Paseo Marina - Option B

Contribution level - Option B - Speakers

9

Source	Source type	Leq,d dB(A)	
Speakers Level 2 Building 1	Point	33.1	
Speakers Level 2 Building 1	Point	45.2	
Speakers Level 2 Building 1	Point	39.9	
Speakers Level 2 Courtyard	Point	28.2	
Speakers Level 2 Courtyard	Point	23.7	
Speakers Level 2 Courtyard	Point	25.5	
Speakers Level 2 Courtyard	Point	19.4	
Speakers Level 2 Courtyard	Point	20.1	
Speakers Level 2 Courtyard	Point	40.9	
Speakers Level 2 Courtyard	Point	37.0	
Speakers Level 2 Courtyard	Point	43.4	
Speakers Level 2 Building 3 Courtyard	Point	18.1	
Speakers Level 2 Building 3 Courtyard	Point	8.2	
Speakers Level 2 Building 3 Courtyard	Point	9.4	
Speakers Level 2 Building 3 Courtyard	Point	15.1	
Speakers Level 2 Building 3 Courtyard	Point	12.1	
Speakers Level 2 Building 3 Courtyard	Point	7.7	
Speakers Level 6 Building 4	Point	0.8	
Speakers Level 6 Building 4	Point	1.0	
Speakers Level 6 Building 3	Point	11.7	
Speakers Level 6 Building 3	Point	11.4	
Receiver R2 FI F2 Leq,d 53.4 dB(A)			
Speakers Level 1 NE	Point	-0.4	
Speakers Level 1 NE	Point	-0.1	
Speakers Level 1 SE	Point	14.4	
Speakers Level 1 SE	Point	2.1	
Speakers Level 1 Park	Point	4.2	
Speakers Level 1 Park	Point	6.0	
Speakers Level 1 Park	Point	1.6	
Speakers Level 1 Park	Point	5.8	
Speakers Level 1 Park	Point	3.6	
Speakers Level 1 Park	Point	10.6	
Speakers Level 1 Park	Point	4.0	
Speakers Level 1 Park	Point	3.0	
Speakers Level 2 Building 1	Point	37.3	
Speakers Level 2 Building 1	Point	49.5	
Speakers Level 2 Building 1	Point	44.3	
Speakers Level 2 Courtyard	Point	28.1	
Speakers Level 2 Courtyard	Point	23.7	
Speakers Level 2 Courtyard	Point	26.0	
Speakers Level 2 Courtyard	Point	19.7	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
3

Paseo Marina - Option B

Contribution level - Option B - Speakers

9

Source	Source type	Leq,d dB(A)	
Speakers Level 2 Courtyard	Point	20.6	
Speakers Level 2 Courtyard	Point	45.3	
Speakers Level 2 Courtyard	Point	42.9	
Speakers Level 2 Courtyard	Point	46.3	
Speakers Level 2 Building 3 Courtyard	Point	18.4	
Speakers Level 2 Building 3 Courtyard	Point	15.5	
Speakers Level 2 Building 3 Courtyard	Point	9.9	
Speakers Level 2 Building 3 Courtyard	Point	15.5	
Speakers Level 2 Building 3 Courtyard	Point	12.5	
Speakers Level 2 Building 3 Courtyard	Point	8.4	
Speakers Level 6 Building 4	Point	5.2	
Speakers Level 6 Building 4	Point	5.4	
Speakers Level 6 Building 3	Point	17.8	
Speakers Level 6 Building 3	Point	21.1	
Receiver R3 FI G Leq,d 59.8 dB(A)			
Speakers Level 1 NE	Point	11.6	
Speakers Level 1 NE	Point	38.8	
Speakers Level 1 SE	Point	17.0	
Speakers Level 1 SE	Point	43.4	
Speakers Level 1 Park	Point	50.7	
Speakers Level 1 Park	Point	47.0	
Speakers Level 1 Park	Point	45.4	
Speakers Level 1 Park	Point	49.0	
Speakers Level 1 Park	Point	42.3	
Speakers Level 1 Park	Point	43.6	
Speakers Level 1 Park	Point	46.0	
Speakers Level 1 Park	Point	52.5	
Speakers Level 2 Building 1	Point	17.4	
Speakers Level 2 Building 1	Point	11.1	
Speakers Level 2 Building 1	Point	17.3	
Speakers Level 2 Courtyard	Point	17.7	
Speakers Level 2 Courtyard	Point	24.9	
Speakers Level 2 Courtyard	Point	30.2	
Speakers Level 2 Courtyard	Point	20.5	
Speakers Level 2 Courtyard	Point	41.7	
Speakers Level 2 Courtyard	Point	28.2	
Speakers Level 2 Courtyard	Point	27.6	
Speakers Level 2 Courtyard	Point	28.6	
Speakers Level 2 Building 3 Courtyard	Point	42.2	
Speakers Level 2 Building 3 Courtyard	Point	48.2	
Speakers Level 2 Building 3 Courtyard	Point	48.5	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
4

Paseo Marina - Option B

Contribution level - Option B - Speakers

9

Source	Source type	Leq,d dB(A)	
Speakers Level 2 Building 3 Courtyard	Point	40.9	
Speakers Level 2 Building 3 Courtyard	Point	41.3	
Speakers Level 2 Building 3 Courtyard	Point	51.8	
Speakers Level 6 Building 4	Point	39.7	
Speakers Level 6 Building 4	Point	40.3	
Speakers Level 6 Building 3	Point	34.2	
Speakers Level 6 Building 3	Point	35.9	
Receiver R3 FI F2 Leq,d 61.9 dB(A)			
Speakers Level 1 NE	Point	12.3	
Speakers Level 1 NE	Point	39.0	
Speakers Level 1 SE	Point	17.6	
Speakers Level 1 SE	Point	43.5	
Speakers Level 1 Park	Point	50.5	
Speakers Level 1 Park	Point	47.0	
Speakers Level 1 Park	Point	45.3	
Speakers Level 1 Park	Point	48.8	
Speakers Level 1 Park	Point	42.4	
Speakers Level 1 Park	Point	43.4	
Speakers Level 1 Park	Point	45.9	
Speakers Level 1 Park	Point	52.4	
Speakers Level 2 Building 1	Point	17.6	
Speakers Level 2 Building 1	Point	11.1	
Speakers Level 2 Building 1	Point	17.4	
Speakers Level 2 Courtyard	Point	19.5	
Speakers Level 2 Courtyard	Point	30.4	
Speakers Level 2 Courtyard	Point	34.6	
Speakers Level 2 Courtyard	Point	24.0	
Speakers Level 2 Courtyard	Point	42.7	
Speakers Level 2 Courtyard	Point	28.5	
Speakers Level 2 Courtyard	Point	27.8	
Speakers Level 2 Courtyard	Point	28.7	
Speakers Level 2 Building 3 Courtyard	Point	44.8	
Speakers Level 2 Building 3 Courtyard	Point	52.7	
Speakers Level 2 Building 3 Courtyard	Point	53.5	
Speakers Level 2 Building 3 Courtyard	Point	45.8	
Speakers Level 2 Building 3 Courtyard	Point	46.0	
Speakers Level 2 Building 3 Courtyard	Point	56.2	
Speakers Level 6 Building 4	Point	40.3	
Speakers Level 6 Building 4	Point	40.9	
Speakers Level 6 Building 3	Point	36.2	
Speakers Level 6 Building 3	Point	37.6	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
5

Paseo Marina - Option B

Contribution level - Option B - Speakers

9

Source	Source type	Leq,d dB(A)	
Receiver R4 FI G Leq,d 54.5 dB(A)			
Speakers Level 1 NE	Point	46.7	
Speakers Level 1 NE	Point	46.4	
Speakers Level 1 SE	Point	4.2	
Speakers Level 1 SE	Point	28.0	
Speakers Level 1 Park	Point	43.1	
Speakers Level 1 Park	Point	42.8	
Speakers Level 1 Park	Point	39.0	
Speakers Level 1 Park	Point	37.5	
Speakers Level 1 Park	Point	41.1	
Speakers Level 1 Park	Point	37.0	
Speakers Level 1 Park	Point	41.0	
Speakers Level 1 Park	Point	33.8	
Speakers Level 2 Building 1	Point	11.4	
Speakers Level 2 Building 1	Point	-0.1	
Speakers Level 2 Building 1	Point	-0.7	
Speakers Level 2 Courtyard	Point	16.2	
Speakers Level 2 Courtyard	Point	16.9	
Speakers Level 2 Courtyard	Point	19.5	
Speakers Level 2 Courtyard	Point	21.0	
Speakers Level 2 Courtyard	Point	34.0	
Speakers Level 2 Courtyard	Point	21.7	
Speakers Level 2 Courtyard	Point	7.1	
Speakers Level 2 Courtyard	Point	21.5	
Speakers Level 2 Building 3 Courtyard	Point	42.1	
Speakers Level 2 Building 3 Courtyard	Point	29.7	
Speakers Level 2 Building 3 Courtyard	Point	29.7	
Speakers Level 2 Building 3 Courtyard	Point	39.8	
Speakers Level 2 Building 3 Courtyard	Point	40.3	
Speakers Level 2 Building 3 Courtyard	Point	39.3	
Speakers Level 6 Building 4	Point	43.0	
Speakers Level 6 Building 4	Point	42.1	
Speakers Level 6 Building 3	Point	39.6	
Speakers Level 6 Building 3	Point	39.8	
Receiver R4 FI F2 Leq,d 55.9 dB(A)			
Speakers Level 1 NE	Point	45.8	
Speakers Level 1 NE	Point	45.6	
Speakers Level 1 SE	Point	6.6	
Speakers Level 1 SE	Point	27.6	
Speakers Level 1 Park	Point	43.0	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
6

Paseo Marina - Option B

Contribution level - Option B - Speakers

9

Source	Source type	Leq,d dB(A)	
Speakers Level 1 Park	Point	42.5	
Speakers Level 1 Park	Point	38.8	
Speakers Level 1 Park	Point	37.5	
Speakers Level 1 Park	Point	40.9	
Speakers Level 1 Park	Point	37.1	
Speakers Level 1 Park	Point	40.7	
Speakers Level 1 Park	Point	33.5	
Speakers Level 2 Building 1	Point	11.9	
Speakers Level 2 Building 1	Point	0.8	
Speakers Level 2 Building 1	Point	0.6	
Speakers Level 2 Courtyard	Point	18.1	
Speakers Level 2 Courtyard	Point	19.1	
Speakers Level 2 Courtyard	Point	20.8	
Speakers Level 2 Courtyard	Point	25.0	
Speakers Level 2 Courtyard	Point	46.1	
Speakers Level 2 Courtyard	Point	23.9	
Speakers Level 2 Courtyard	Point	10.2	
Speakers Level 2 Courtyard	Point	22.9	
Speakers Level 2 Building 3 Courtyard	Point	46.4	
Speakers Level 2 Building 3 Courtyard	Point	34.3	
Speakers Level 2 Building 3 Courtyard	Point	33.8	
Speakers Level 2 Building 3 Courtyard	Point	44.1	
Speakers Level 2 Building 3 Courtyard	Point	45.1	
Speakers Level 2 Building 3 Courtyard	Point	40.8	
Speakers Level 6 Building 4	Point	44.7	
Speakers Level 6 Building 4	Point	43.7	
Speakers Level 6 Building 3	Point	39.8	
Speakers Level 6 Building 3	Point	40.2	

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
7

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION A

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
8%

EXISTING CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	390	4,875	8%	0	0	60.3
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,317	53,963	8%	0	0	71.7
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	4,746	59,325	8%	0	0	72.1
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,453	18,163	8%	0	0	69.2
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,475	18,438	8%	0	0	69.3
- Between Mindanao Wy. and Alla Road	50	10	35	35	562	7,025	8%	0	0	64.4
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	860	10,750	8%	0	0	66.3
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	534	6,675	8%	0	0	64.2
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,056	25,700	8%	0	0	69.5
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,148	14,350	8%	0	0	66.9

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION A

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
8%

EXISTING + PROJECT CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	390	4,875	8%	0	0	60.3
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,327	54,088	8%	0	0	71.7
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	4,765	59,563	8%	0	0	72.1
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,495	18,688	8%	0	0	69.4
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,522	19,025	8%	0	0	69.4
- Between Mindanao Wy. and Alla Road	50	10	35	35	569	7,113	8%	0	0	64.5
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	884	11,050	8%	0	0	66.4
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	540	6,750	8%	0	0	64.2
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,095	26,188	8%	0	0	69.5
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,158	14,475	8%	0	0	67.0

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION A

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
8%

FUTURE NO PROJECT CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	471	5,888	8%	0	0	61.2
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,731	59,138	8%	0	0	72.1
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	5,264	65,800	8%	0	0	72.5
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,630	20,375	8%	0	0	69.7
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,642	20,525	8%	0	0	69.8
- Between Mindanao Wy. and Alla Road	50	10	35	35	635	7,938	8%	0	0	65.0
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	1,004	12,550	8%	0	0	66.9
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	602	7,525	8%	0	0	64.7
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,268	28,350	8%	0	0	69.9
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,269	15,863	8%	0	0	67.4

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION A

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
8%

FUTURE + PROJECT CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	471	5,888	8%	0	0	61.2
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,741	59,263	8%	0	0	72.1
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	5,283	66,038	8%	0	0	72.6
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,672	20,900	8%	0	0	69.9
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,689	21,113	8%	0	0	69.9
- Between Mindanao Wy. and Alla Road	50	10	35	35	642	8,025	8%	0	0	65.0
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	1,028	12,850	8%	0	0	67.0
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	608	7,600	8%	0	0	64.8
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,307	28,838	8%	0	0	70.0
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,279	15,988	8%	0	0	67.4

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION B

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
8%

EXISTING CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	390	4,875	8%	0	0	60.3
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,317	53,963	8%	0	0	71.7
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	4,746	59,325	8%	0	0	72.1
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,453	18,163	8%	0	0	69.2
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,475	18,438	8%	0	0	69.3
- Between Mindanao Wy. and Alla Road	50	10	35	35	562	7,025	8%	0	0	64.4
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	860	10,750	8%	0	0	66.3
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	534	6,675	8%	0	0	64.2
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,056	25,700	8%	0	0	69.5
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,148	14,350	8%	0	0	66.9

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION B

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
8%

EXISTING + PROJECT CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	390	4,875	8%	0	0	60.3
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,328	54,100	8%	0	0	71.7
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	4,768	59,600	8%	0	0	72.1
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,497	18,713	8%	0	0	69.4
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,524	19,050	8%	0	0	69.5
- Between Mindanao Wy. and Alla Road	50	10	35	35	569	7,113	8%	0	0	64.5
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	886	11,075	8%	0	0	66.4
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	541	6,763	8%	0	0	64.3
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,096	26,200	8%	0	0	69.5
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,159	14,488	8%	0	0	67.0

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION B

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
8%

FUTURE NO PROJECT CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	471	5,888	8%	0	0	61.2
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,731	59,138	8%	0	0	72.1
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	5,264	65,800	8%	0	0	72.5
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,630	20,375	8%	0	0	69.7
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,642	20,525	8%	0	0	69.8
- Between Mindanao Wy. and Alla Road	50	10	35	35	635	7,938	8%	0	0	65.0
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	1,004	12,550	8%	0	0	66.9
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	602	7,525	8%	0	0	64.7
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,268	28,350	8%	0	0	69.9
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,269	15,863	8%	0	0	67.4

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Paseo Marina Project - OPTION B

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
8%

FUTURE + PROJECT CONDITIONS

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
Del Rey Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	25	471	5,888	8%	0	0	61.2
Lincoln Boulevard										
- Between Washington Blvd. and Maxella Ave.	80	10	50	35	4,742	59,275	8%	0	0	72.1
- Between Maxella Ave. and Mindanao Wy.	80	10	50	35	5,286	66,075	8%	0	0	72.6
Glencoe Avenue										
- Between Washington Blvd. and Maxella Ave.	40	10	30	35	1,675	20,938	8%	0	0	69.9
- Between Maxella Ave. and Mindanao Wy.	40	10	30	35	1,691	21,138	8%	0	0	69.9
- Between Mindanao Wy. and Alla Road	50	10	35	35	642	8,025	8%	0	0	65.0
Maxella Avenue										
- Between Lincoln Blvd. and Glencoe Ave.	50	10	35	35	1,030	12,875	8%	0	0	67.1
- Between Glencoe Ave. and Redwood Ave.	50	10	35	35	609	7,613	8%	0	0	64.8
Mindano Way										
- Between SR-90 and Glencoe Ave.	60	10	40	35	2,308	28,850	8%	0	0	70.0
- Between Glencoe Ave. and Redwood Ave.	60	10	40	35	1,280	16,000	8%	0	0	67.4

* Estimated based on Google Earth map.

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