Appendix J

Noise Calculation Worksheets

Sunset Vine 2 Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

Ambient Noise Measurements

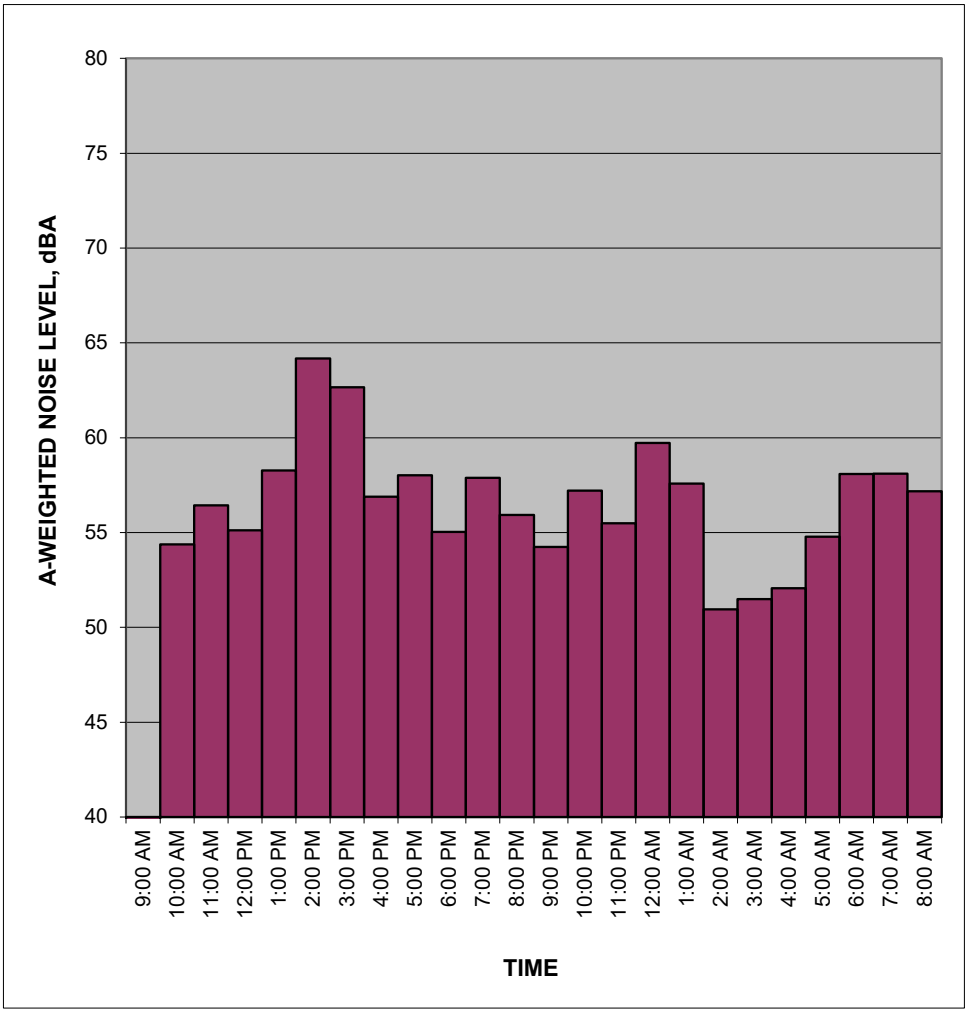
Measured Ambient Noise Levels

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Sunset + Vine
Location: R1
Sources: Ambient

Date: 4/20 - 4/21/2023

TIME	HNL, dB(A)
9:00 AM	0.0
10:00 AM	54.4
11:00 AM	56.4
12:00 PM	55.1
1:00 PM	58.3
2:00 PM	64.2
3:00 PM	62.7
4:00 PM	56.9
5:00 PM	58.0
6:00 PM	55.0
7:00 PM	57.9
8:00 PM	55.9
9:00 PM	54.2
10:00 PM	57.2
11:00 PM	55.5
12:00 AM	59.7
1:00 AM	57.6
2:00 AM	50.9
3:00 AM	51.5
4:00 AM	52.1
5:00 AM	54.8
6:00 AM	58.1
7:00 AM	58.1
8:00 AM	57.2
CNEL, dB(A):	**63.4**



NOTES:

Daytime average	58.3	dBA Leq
Nighttime average	56.2	dBA Leq

AES
Acoustical Engineering Services

Location: R2
Date: 4/20/2023

Time	Leq
10:17:58 AM	50.6
10:18:08 AM	54.3
10:18:18 AM	54.9
10:18:28 AM	50.5
10:18:38 AM	53
10:18:48 AM	55
10:18:58 AM	53.6
10:19:08 AM	58.4
10:19:18 AM	51.6
10:19:28 AM	51
10:19:38 AM	51.1
10:19:48 AM	53.1
10:19:58 AM	54.7
10:20:08 AM	53
10:20:18 AM	59.6
10:20:28 AM	58.7
10:20:38 AM	49.7
10:20:48 AM	52
10:20:58 AM	53.8
10:21:08 AM	61.4
10:21:18 AM	51.6
10:21:28 AM	53.7
10:21:38 AM	51.9
10:21:48 AM	61.6
10:21:58 AM	55.5
10:22:08 AM	49.1
10:22:18 AM	54
10:22:28 AM	53.4
10:22:38 AM	51.6
10:22:48 AM	49.9
10:22:58 AM	49.6
10:23:08 AM	49.6
10:23:18 AM	49
10:23:28 AM	47.8
10:23:38 AM	49.7
10:23:48 AM	50.5
10:23:58 AM	57
10:24:08 AM	66.6
10:24:18 AM	52.6
10:24:28 AM	50.3
10:24:38 AM	51.6
10:24:48 AM	52.4
10:24:58 AM	54.1
10:25:08 AM	54.5

10:25:18 AM	58.7
10:25:28 AM	66
10:25:38 AM	55.9
10:25:48 AM	49.6
10:25:58 AM	51.7
10:26:08 AM	51.5
10:26:18 AM	48.6
10:26:28 AM	48.4
10:26:38 AM	54
10:26:48 AM	64.8
10:26:58 AM	49.6
10:27:08 AM	48.8
10:27:18 AM	49.3
10:27:28 AM	50.1
10:27:38 AM	53.5
10:27:48 AM	61.1
10:27:58 AM	58.4
10:28:08 AM	56.4
10:28:18 AM	56.5
10:28:28 AM	49.5
10:28:38 AM	58.6
10:28:48 AM	57.8
10:28:58 AM	52.9
10:29:08 AM	51.8
10:29:18 AM	53.5
10:29:28 AM	52.4
10:29:38 AM	50.9
10:29:48 AM	53.2
10:29:58 AM	51.1
10:30:08 AM	49.8
10:30:18 AM	56.6
10:30:28 AM	57.7
10:30:38 AM	55.9
10:30:48 AM	61.3
10:30:58 AM	56.4
10:31:08 AM	55.4
10:31:18 AM	52.3
10:31:28 AM	50
10:31:38 AM	49.5
10:31:48 AM	49.1
10:31:58 AM	49.8
10:32:08 AM	51.7
10:32:18 AM	53.2
10:32:28 AM	52.9
10:32:38 AM	51.2
10:32:48 AM	58.7
	56.2

AES
ACOUSTICAL ENGINEERING SERVICES

Time	Leq
10:03:04 PM	*61.8*
10:03:14 PM	*62.1*
10:03:24 PM	*60.9*
10:03:34 PM	58.1
10:03:44 PM	52.2
10:03:54 PM	48.8
10:04:04 PM	51.4
10:04:14 PM	57.8
10:04:24 PM	58.7
10:04:34 PM	51.9
10:04:44 PM	52.2
10:04:54 PM	51.7
10:05:04 PM	54.4
10:05:14 PM	56.4
10:05:24 PM	55.9
10:05:34 PM	*60.6*
10:05:44 PM	51.1
10:05:54 PM	50.8
10:06:04 PM	51.3
10:06:14 PM	53.4
10:06:24 PM	59.5
10:06:34 PM	52
10:06:44 PM	50
10:06:54 PM	50.5
10:07:04 PM	51.3
10:07:14 PM	53.6
10:07:24 PM	58.5
10:07:34 PM	56.7
10:07:44 PM	51.1
10:07:54 PM	59.6
10:08:04 PM	55.6
10:08:14 PM	50.6
10:08:24 PM	49.8
10:08:34 PM	50
10:08:44 PM	51.7
10:08:54 PM	54.6
10:09:04 PM	53.2
10:09:14 PM	59.5
10:09:24 PM	57.1
10:09:34 PM	54.6
10:09:44 PM	53.1
10:09:54 PM	54.2
10:10:04 PM	59
10:10:14 PM	54.8
10:10:24 PM	*65.8*
10:10:34 PM	57.5
10:10:44 PM	*60.1*

10:10:54 PM	*66.2*
10:11:04 PM	53.8
10:11:14 PM	58.6
10:11:24 PM	59.8
10:11:34 PM	58
10:11:44 PM	*66.9*
10:11:54 PM	*70.3*
10:12:04 PM	*68.6*
10:12:14 PM	*64.9*
10:12:24 PM	*60.4*
10:12:34 PM	56.7
10:12:44 PM	58.7
10:12:54 PM	*62.5*
10:13:04 PM	*63.1*
10:13:14 PM	*63*
10:13:24 PM	55.4
10:13:34 PM	57.1
10:13:44 PM	61.3
10:13:54 PM	*60.6*
10:14:04 PM	*64.8*
10:14:14 PM	*63.8*
10:14:24 PM	57.6
10:14:34 PM	53.8
10:14:44 PM	52.2
10:14:54 PM	55
10:15:04 PM	55.2
10:15:14 PM	54.1
10:15:24 PM	52.4
10:15:34 PM	59.1
10:15:44 PM	54.2
10:15:54 PM	56.5
10:16:04 PM	57.1
10:16:14 PM	*63.3*
10:16:24 PM	52.3
10:16:34 PM	55.2
10:16:44 PM	54
10:16:54 PM	56.5
10:17:04 PM	55.6
10:17:14 PM	57.5
10:17:24 PM	54.8
10:17:34 PM	54.6
10:17:44 PM	*64.2*
10:17:54 PM	*61*
	55.8

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Sunset + Vine Project
Location: R3
Date: 4/20/2023

Time	Leq
10:39:36 AM	60.4
10:39:46 AM	58.5
10:39:56 AM	58.4
10:40:06 AM	59.7
10:40:16 AM	58.9
10:40:26 AM	59.3
10:40:36 AM	62.4
10:40:46 AM	60.9
10:40:56 AM	59.2
10:41:06 AM	58.1
10:41:16 AM	58.3
10:41:26 AM	60.4
10:41:36 AM	58.4
10:41:46 AM	58
10:41:56 AM	58.1
10:42:06 AM	57.7
10:42:16 AM	57.6
10:42:26 AM	57.2
10:42:36 AM	57.9
10:42:46 AM	57.6
10:42:56 AM	57.9
10:43:06 AM	57.6
10:43:16 AM	57.5
10:43:26 AM	58.9
10:43:36 AM	58.4
10:43:46 AM	58
10:43:56 AM	57.6
10:44:06 AM	57.7
10:44:16 AM	58.5
10:44:26 AM	59.9
10:44:36 AM	67.1
10:44:46 AM	63
10:44:56 AM	58.3
10:45:06 AM	58.9
10:45:16 AM	57.4
10:45:26 AM	57.2
10:45:36 AM	57.1
10:45:46 AM	57.3
10:45:56 AM	57.6
10:46:06 AM	58.4
10:46:16 AM	57.7
10:46:26 AM	60.3
10:46:36 AM	66.5

10:46:46 AM	68.2
10:46:56 AM	66.6
10:47:06 AM	62.3
10:47:16 AM	62.3
10:47:26 AM	59.1
10:47:36 AM	59.6
10:47:46 AM	64.5
10:47:56 AM	61.3
10:48:06 AM	60.2
10:48:16 AM	60.1
10:48:26 AM	60
10:48:36 AM	59.5
10:48:46 AM	59.6
10:48:56 AM	60.6
10:49:06 AM	60.9
10:49:16 AM	58.8
10:49:26 AM	62.2
10:49:36 AM	62.9
10:49:46 AM	70.4
10:49:56 AM	60.2
10:50:06 AM	59.7
10:50:16 AM	59.9
10:50:26 AM	61.7
10:50:36 AM	60.8
10:50:46 AM	57.6
10:50:56 AM	57.1
10:51:06 AM	57.9
10:51:16 AM	57.7
10:51:26 AM	57.2
10:51:36 AM	57.1
10:51:46 AM	57.8
10:51:56 AM	58.7
10:52:06 AM	57.4
10:52:16 AM	57.4
10:52:26 AM	57.5
10:52:36 AM	57.5
10:52:46 AM	57.4
10:52:56 AM	57.5
10:53:06 AM	57.6
10:53:16 AM	58.1
10:53:26 AM	57.3
10:53:36 AM	57.2
10:53:46 AM	57.2
10:53:56 AM	57
10:54:06 AM	57.1
10:54:16 AM	56.6
10:54:26 AM	56.9
	60.6

AES
ACOUSTICAL ENGINEERING SERVICES

Time	Leq
10:25:21 PM	60.3
10:25:31 PM	59.8
10:25:41 PM	59.9
10:25:51 PM	59.7
10:26:01 PM	59.6
10:26:11 PM	60.4
10:26:21 PM	62.1
10:26:31 PM	61.4
10:26:41 PM	60.3
10:26:51 PM	60.2
10:27:01 PM	63.1
10:27:11 PM	64.8
10:27:21 PM	60.5
10:27:31 PM	60.5
10:27:41 PM	60.7
10:27:51 PM	60.4
10:28:01 PM	61.3
10:28:11 PM	61.1
10:28:21 PM	*72.2*
10:28:31 PM	59.6
10:28:41 PM	59.9
10:28:51 PM	60.1
10:29:01 PM	60
10:29:11 PM	60.1
10:29:21 PM	60.3
10:29:31 PM	59.8
10:29:41 PM	59.9
10:29:51 PM	62.5
10:30:01 PM	63.3
10:30:11 PM	60.6
10:30:21 PM	61.2
10:30:31 PM	59.9
10:30:41 PM	59.8
10:30:51 PM	59.7
10:31:01 PM	59.4
10:31:11 PM	60.4
10:31:21 PM	60.9
10:31:31 PM	62.3
10:31:41 PM	64.5
10:31:51 PM	60.1
10:32:01 PM	60
10:32:11 PM	60
10:32:21 PM	60
10:32:31 PM	60.4
10:32:41 PM	65.6
10:32:51 PM	63.7

10:33:01 PM	59.8
10:33:11 PM	59.3
10:33:21 PM	59.3
10:33:31 PM	59.2
10:33:41 PM	59.5
10:33:51 PM	59.8
10:34:01 PM	59.7
10:34:11 PM	60
10:34:21 PM	59.9
10:34:31 PM	59.9
10:34:41 PM	59.8
10:34:51 PM	59.8
10:35:01 PM	59.6
10:35:11 PM	59.1
10:35:21 PM	59.6
10:35:31 PM	59.6
10:35:41 PM	59.7
10:35:51 PM	59.4
10:36:01 PM	59.4
10:36:11 PM	59.2
10:36:21 PM	59.7
10:36:31 PM	59.5
10:36:41 PM	59.8
10:36:51 PM	61.5
10:37:01 PM	60.2
10:37:11 PM	59.6
10:37:21 PM	59.2
10:37:31 PM	59.5
10:37:41 PM	60
10:37:51 PM	59.9
10:38:01 PM	60
10:38:11 PM	59.8
10:38:21 PM	62
10:38:31 PM	59.5
10:38:41 PM	57.3
10:38:51 PM	57.1
10:39:01 PM	56.9
10:39:11 PM	61.2
10:39:21 PM	63.4
10:39:31 PM	59.3
10:39:41 PM	63.9
10:39:51 PM	64.3
10:40:01 PM	56.9
10:40:11 PM	57
	60.7

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Sunset + Vine Project
Location: R4
Date: 4/20/2023

Time	Leq
11:01:06 AM	53.9
11:01:16 AM	51.1
11:01:26 AM	51.7
11:01:36 AM	52.7
11:01:46 AM	53.6
11:01:56 AM	49
11:02:06 AM	54.4
11:02:16 AM	49.4
11:02:26 AM	48.9
11:02:36 AM	48.6
11:02:46 AM	51.8
11:02:56 AM	49.8
11:03:06 AM	48
11:03:16 AM	48.6
11:03:26 AM	57.9
11:03:36 AM	51.2
11:03:46 AM	50.3
11:03:56 AM	51.6
11:04:06 AM	51.7
11:04:16 AM	51.4
11:04:26 AM	55.7
11:04:36 AM	53.9
11:04:46 AM	59
11:04:56 AM	51.7
11:05:06 AM	50.8
11:05:16 AM	51.1
11:05:26 AM	56.3
11:05:36 AM	57.6
11:05:46 AM	53.2
11:05:56 AM	51.2
11:06:06 AM	55.8
11:06:16 AM	61.8
11:06:26 AM	53.9
11:06:36 AM	54.2
11:06:46 AM	54.1
11:06:56 AM	61.2
11:07:06 AM	60.2
11:07:16 AM	55.7
11:07:26 AM	54.1
11:07:36 AM	52.9
11:07:46 AM	51
11:07:56 AM	51.4
11:08:06 AM	51

11:08:16 AM	51.5
11:08:26 AM	54.3
11:08:36 AM	55.5
11:08:46 AM	51.4
11:08:56 AM	50.5
11:09:06 AM	50.5
11:09:16 AM	51.2
11:09:26 AM	50
11:09:36 AM	50.2
11:09:46 AM	52.8
11:09:56 AM	52.1
11:10:06 AM	52.9
11:10:16 AM	54.7
11:10:26 AM	58.9
11:10:36 AM	61.1
11:10:46 AM	54.4
11:10:56 AM	53
11:11:06 AM	54.7
11:11:16 AM	52.3
11:11:26 AM	55.6
11:11:36 AM	55.4
11:11:46 AM	60.9
11:11:56 AM	57.7
11:12:06 AM	53.1
11:12:16 AM	52.2
11:12:26 AM	53.3
11:12:36 AM	52.5
11:12:46 AM	52.4
11:12:56 AM	53.7
11:13:06 AM	53.1
11:13:16 AM	51
11:13:26 AM	50.6
11:13:36 AM	51.9
11:13:46 AM	51.5
11:13:56 AM	50.4
11:14:06 AM	53.6
11:14:16 AM	52.5
11:14:26 AM	55.4
11:14:36 AM	51.3
11:14:46 AM	52.8
11:14:56 AM	51.8
11:15:06 AM	51.6
11:15:16 AM	53
11:15:26 AM	52.1
11:15:36 AM	52.4
11:15:46 AM	52.3
11:15:56 AM	55.1
	54.4

AES
ACOUSTICAL ENGINEERING SERVICES

Time	Leq
10:42:46 PM	53.7
10:42:56 PM	53.6
10:43:06 PM	51.5
10:43:16 PM	51.3
10:43:26 PM	58.8
10:43:36 PM	52.5
10:43:46 PM	51.8
10:43:56 PM	58.8
10:44:06 PM	53.7
10:44:16 PM	51.6
10:44:26 PM	51
10:44:36 PM	52.8
10:44:46 PM	54.4
10:44:56 PM	57.7
10:45:06 PM	53
10:45:16 PM	50.9
10:45:26 PM	53.1
10:45:36 PM	55.4
10:45:46 PM	55.8
10:45:56 PM	51.5
10:46:06 PM	56.4
10:46:16 PM	51.5
10:46:26 PM	52.6
10:46:36 PM	56
10:46:46 PM	56.9
10:46:56 PM	52.1
10:47:06 PM	51.2
10:47:16 PM	51.1
10:47:26 PM	53.6
10:47:36 PM	53.5
10:47:46 PM	51.1
10:47:56 PM	51.1
10:48:06 PM	54.5
10:48:16 PM	50.7
10:48:26 PM	51.9
10:48:36 PM	52.5
10:48:46 PM	51.4
10:48:56 PM	52.9
10:49:06 PM	51
10:49:16 PM	51
10:49:26 PM	52
10:49:36 PM	52.4
10:49:46 PM	50.9
10:49:56 PM	52.2
10:50:06 PM	54.8
10:50:16 PM	56.4

10:50:26 PM	59.2
10:50:36 PM	54.1
10:50:46 PM	55.8
10:50:56 PM	52.4
10:51:06 PM	52.2
10:51:16 PM	51.3
10:51:26 PM	52.1
10:51:36 PM	58.3
10:51:46 PM	57
10:51:56 PM	53.8
10:52:06 PM	52.9
10:52:16 PM	51.8
10:52:26 PM	52.6
10:52:36 PM	55
10:52:46 PM	53.4
10:52:56 PM	52
10:53:06 PM	52.4
10:53:16 PM	51.6
10:53:26 PM	54.5
10:53:36 PM	53.3
10:53:46 PM	54.9
10:53:56 PM	51.3
10:54:06 PM	50.7
10:54:16 PM	51
10:54:26 PM	52.3
10:54:36 PM	52.1
10:54:46 PM	50.6
10:54:56 PM	50.7
10:55:06 PM	52
10:55:16 PM	51.8
10:55:26 PM	54.1
10:55:36 PM	52.6
10:55:46 PM	53
10:55:56 PM	51
10:56:06 PM	51.9
10:56:16 PM	51
10:56:26 PM	52.1
10:56:36 PM	51.1
10:56:46 PM	50.2
10:56:56 PM	53.2
10:57:06 PM	53.9
10:57:16 PM	53.2
10:57:26 PM	53.6
10:57:36 PM	51.6
	53.6

AES
Acoustical Engineering Services

Project: Sunset + Vine Project
Location: R5
Date: 4/20/2023

Time	Leq
11:21:10 AM	59.2
11:21:20 AM	61.8
11:21:30 AM	61
11:21:40 AM	65.6
11:21:50 AM	66.7
11:22:00 AM	71.9
11:22:10 AM	71.6
11:22:20 AM	70
11:22:30 AM	70.7
11:22:40 AM	71.8
11:22:50 AM	70.5
11:23:00 AM	63.3
11:23:10 AM	63.9
11:23:20 AM	62.4
11:23:30 AM	63.6
11:23:40 AM	64.2
11:23:50 AM	65.6
11:24:00 AM	73.8
11:24:10 AM	72.9
11:24:20 AM	71.6
11:24:30 AM	70.8
11:24:40 AM	75.4
11:24:50 AM	72.8
11:25:00 AM	60.4
11:25:10 AM	69.4
11:25:20 AM	63.8
11:25:30 AM	64.7
11:25:40 AM	59.9
11:25:50 AM	68.8
11:26:00 AM	72.9
11:26:10 AM	70.1
11:26:20 AM	73.3
11:26:30 AM	71.3
11:26:40 AM	71.3
11:26:50 AM	74.8
11:27:00 AM	65.4
11:27:10 AM	63
11:27:20 AM	64.8
11:27:30 AM	67.8
11:27:40 AM	66.4
11:27:50 AM	72
11:28:00 AM	71.7
11:28:10 AM	75.7

11:28:20 AM	67.9
11:28:30 AM	70.6
11:28:40 AM	64.5
11:28:50 AM	59.1
11:29:00 AM	59.6
11:29:10 AM	72.8
11:29:20 AM	71
11:29:30 AM	66.1
11:29:40 AM	71.2
11:29:50 AM	73.5
11:30:00 AM	72.7
11:30:10 AM	70.9
11:30:20 AM	71.2
11:30:30 AM	66.3
11:30:40 AM	65.2
11:30:50 AM	62.6
11:31:00 AM	64.6
11:31:10 AM	62.9
11:31:20 AM	64.9
11:31:30 AM	69.1
11:31:40 AM	67.3
11:31:50 AM	71.3
11:32:00 AM	73.6
11:32:10 AM	72.3
11:32:20 AM	72.4
11:32:30 AM	65.5
11:32:40 AM	60.4
11:32:50 AM	58.9
11:33:00 AM	69.9
11:33:10 AM	66.6
11:33:20 AM	65.1
11:33:30 AM	67.2
11:33:40 AM	71.9
11:33:50 AM	72
11:34:00 AM	72.4
11:34:10 AM	72.4
11:34:20 AM	72.9
11:34:30 AM	68.7
11:34:40 AM	70.2
11:34:50 AM	63.3
11:35:00 AM	60.1
11:35:10 AM	59.1
11:35:20 AM	63.4
11:35:30 AM	69.8
11:35:40 AM	68.3
11:35:50 AM	70.3
11:36:00 AM	71.5
	69.8

Time	Leq
11:07:17 PM	59.6
11:07:27 PM	69.1
11:07:37 PM	67.6
11:07:47 PM	69.2
11:07:57 PM	63.2
11:08:07 PM	56.1
11:08:17 PM	55.6
11:08:27 PM	62.5
11:08:37 PM	61.2
11:08:47 PM	65.9
11:08:57 PM	69.2
11:09:07 PM	63.9
11:09:17 PM	64.2
11:09:27 PM	66.3
11:09:37 PM	65.5
11:09:47 PM	60.5
11:09:57 PM	59.5
11:10:07 PM	63.5
11:10:17 PM	62.3
11:10:27 PM	57.1
11:10:37 PM	60.6
11:10:47 PM	66.9
11:10:57 PM	64.8
11:11:07 PM	63
11:11:17 PM	64.4
11:11:27 PM	68.4
11:11:37 PM	65.5
11:11:47 PM	60.1
11:11:57 PM	65.5
11:12:07 PM	59.4
11:12:17 PM	62.6
11:12:27 PM	65.6
11:12:37 PM	66.6
11:12:47 PM	62.8
11:12:57 PM	64.9
11:13:07 PM	56.3
11:13:17 PM	57.1
11:13:27 PM	59.6
11:13:37 PM	59
11:13:47 PM	61.6
11:13:57 PM	69.2
11:14:07 PM	65.1
11:14:17 PM	61.1
11:14:27 PM	62.7
11:14:37 PM	67.8
11:14:47 PM	62.7

11:14:57 PM	54.4
11:15:07 PM	64.6
11:15:17 PM	67.9
11:15:27 PM	64.9
11:15:37 PM	59.9
11:15:47 PM	58.3
11:15:57 PM	61.3
11:16:07 PM	69.4
11:16:17 PM	66.9
11:16:27 PM	65.2
11:16:37 PM	65.2
11:16:47 PM	65.8
11:16:57 PM	56.4
11:17:07 PM	55.3
11:17:17 PM	63
11:17:27 PM	63.2
11:17:37 PM	64.4
11:17:47 PM	65.5
11:17:57 PM	69.6
11:18:07 PM	70.3
11:18:17 PM	61.5
11:18:27 PM	71.8
11:18:37 PM	66.5
11:18:47 PM	56.6
11:18:57 PM	58.7
11:19:07 PM	57.7
11:19:17 PM	52.9
11:19:27 PM	66.6
11:19:37 PM	70.7
11:19:47 PM	69.6
11:19:57 PM	68.9
11:20:07 PM	68.3
11:20:17 PM	70.1
11:20:27 PM	56.7
11:20:37 PM	58.9
11:20:47 PM	58.4
11:20:57 PM	55.1
11:21:07 PM	66.4
11:21:17 PM	69.6
11:21:27 PM	66
11:21:37 PM	62.2
11:21:47 PM	59.7
11:21:57 PM	53.6
11:22:07 PM	54.7
	65.2

AES
Acoustical Engineering Services

Project: Sunset + Vine Project
Location: R6
Date: 4/20/2023

Time	Leq
11:38:52 AM	76.4
11:39:02 AM	77.4
11:39:12 AM	71
11:39:22 AM	72.2
11:39:32 AM	71
11:39:42 AM	70.3
11:39:52 AM	76.8
11:40:02 AM	71.3
11:40:12 AM	70.1
11:40:22 AM	71.9
11:40:32 AM	72.7
11:40:42 AM	70.9
11:40:52 AM	68.6
11:41:02 AM	74.9
11:41:12 AM	73.1
11:41:22 AM	72.2
11:41:32 AM	75.4
11:41:42 AM	70.1
11:41:52 AM	72.2
11:42:02 AM	73.1
11:42:12 AM	72.9
11:42:22 AM	73.1
11:42:32 AM	75.3
11:42:42 AM	72.8
11:42:52 AM	67.4
11:43:02 AM	70.6
11:43:12 AM	67.8
11:43:22 AM	69.9
11:43:32 AM	67
11:43:42 AM	68.5
11:43:52 AM	68.9
11:44:02 AM	71.7
11:44:12 AM	75
11:44:22 AM	75.9
11:44:32 AM	74.9
11:44:42 AM	75.9
11:44:52 AM	72.7
11:45:02 AM	74.5
11:45:12 AM	68.6
11:45:22 AM	68.5
11:45:32 AM	68.7
11:45:42 AM	69.6
11:45:52 AM	66.7

11:46:02 AM	71.6
11:46:12 AM	68.6
11:46:22 AM	68.7
11:46:32 AM	70.2
11:46:42 AM	72
11:46:52 AM	71.6
11:47:02 AM	66.4
11:47:12 AM	70.1
11:47:22 AM	70.2
11:47:32 AM	70.5
11:47:42 AM	68.9
11:47:52 AM	67
11:48:02 AM	71.4
11:48:12 AM	69.2
11:48:22 AM	73.6
11:48:32 AM	72.4
11:48:42 AM	73
11:48:52 AM	71.6
11:49:02 AM	65.5
11:49:12 AM	69.9
11:49:22 AM	70.1
11:49:32 AM	66.9
11:49:42 AM	65.4
11:49:52 AM	65.5
11:50:02 AM	62.1
11:50:12 AM	71.4
11:50:22 AM	70.6
11:50:32 AM	70.6
11:50:42 AM	71.2
11:50:52 AM	74
11:51:02 AM	73
11:51:12 AM	72.1
11:51:22 AM	82.7
11:51:32 AM	71.6
11:51:42 AM	69.5
11:51:52 AM	68.6
11:52:02 AM	68.6
11:52:12 AM	71
11:52:22 AM	71.6
11:52:32 AM	74.3
11:52:42 AM	70.6
11:52:52 AM	69.9
11:53:02 AM	72.3
11:53:12 AM	66.7
11:53:22 AM	70.3
11:53:32 AM	71.7
11:53:42 AM	70.7
	72.3

Time	Leq
11:33:04 PM	67.5
11:33:14 PM	71.9
11:33:24 PM	70.3
11:33:34 PM	60.1
11:33:44 PM	61.3
11:33:54 PM	63.6
11:34:04 PM	66.7
11:34:14 PM	66.8
11:34:24 PM	66.4
11:34:34 PM	65.3
11:34:44 PM	73.6
11:34:54 PM	71.4
11:35:04 PM	67
11:35:14 PM	61.2
11:35:24 PM	68
11:35:34 PM	64.4
11:35:44 PM	65.1
11:35:54 PM	62.6
11:36:04 PM	64.8
11:36:14 PM	66.2
11:36:24 PM	69.9
11:36:34 PM	70.4
11:36:44 PM	69.9
11:36:54 PM	69.8
11:37:04 PM	69.3
11:37:14 PM	67.1
11:37:24 PM	67.7
11:37:34 PM	65.4
11:37:44 PM	65.5
11:37:54 PM	63.9
11:38:04 PM	74.5
11:38:14 PM	67.9
11:38:24 PM	67.6
11:38:34 PM	64.3
11:38:44 PM	57
11:38:54 PM	66.2
11:39:04 PM	70
11:39:14 PM	69.7
11:39:24 PM	57.3
11:39:34 PM	56.8
11:39:44 PM	67.2
11:39:54 PM	65.4
11:40:04 PM	60.5
11:40:14 PM	62.1
11:40:24 PM	75.3
11:40:34 PM	62.9

11:40:44 PM	66.4
11:40:54 PM	63
11:41:04 PM	65.8
11:41:14 PM	61.2
11:41:24 PM	69.8
11:41:34 PM	69.9
11:41:44 PM	66.7
11:41:54 PM	68.6
11:42:04 PM	67.8
11:42:14 PM	64.3
11:42:24 PM	68.4
11:42:34 PM	64.9
11:42:44 PM	68.4
11:42:54 PM	69.5
11:43:04 PM	68.7
11:43:14 PM	69.4
11:43:24 PM	61.3
11:43:34 PM	59.9
11:43:44 PM	58.8
11:43:54 PM	67.9
11:44:04 PM	70.7
11:44:14 PM	64.4
11:44:24 PM	65
11:44:34 PM	70.6
11:44:44 PM	69.9
11:44:54 PM	68.9
11:45:04 PM	62.5
11:45:14 PM	59.9
11:45:24 PM	60.6
11:45:34 PM	65.9
11:45:44 PM	67.4
11:45:54 PM	67.2
11:46:04 PM	68.9
11:46:14 PM	66.7
11:46:24 PM	69
11:46:34 PM	69.3
11:46:44 PM	62.7
11:46:54 PM	61.1
11:47:04 PM	57.3
11:47:14 PM	70
11:47:24 PM	67.2
11:47:34 PM	59.5
11:47:44 PM	57.9
11:47:54 PM	60.5
	67.6

AES
Acoustical Engineering Services

Project: Sunset + Vine Project
Location: R7
Date: 4/20/2023

Time	Leq
11:56:32 AM	64.9
11:56:42 AM	61.6
11:56:52 AM	58.8
11:57:02 AM	56.3
11:57:12 AM	62.7
11:57:22 AM	62.6
11:57:32 AM	63.7
11:57:42 AM	65.6
11:57:52 AM	68.9
11:58:02 AM	68
11:58:12 AM	66.8
11:58:22 AM	61.8
11:58:32 AM	61.9
11:58:42 AM	66.5
11:58:52 AM	68.1
11:59:02 AM	65.1
11:59:12 AM	65.6
11:59:22 AM	59.9
11:59:32 AM	61.9
11:59:42 AM	64.4
11:59:52 AM	66.8
12:00:02 PM	64.2
12:00:12 PM	67.9
12:00:22 PM	66.5
12:00:32 PM	64.6
12:00:42 PM	62.1
12:00:52 PM	62.8
12:01:02 PM	62.7
12:01:12 PM	62.8
12:01:22 PM	66.1
12:01:32 PM	68.5
12:01:42 PM	66.4
12:01:52 PM	67.7
12:02:02 PM	69.3
12:02:12 PM	67.6
12:02:22 PM	62.7
12:02:32 PM	65.9
12:02:42 PM	67
12:02:52 PM	63.2
12:03:02 PM	65.6
12:03:12 PM	65.2
12:03:22 PM	62.1
12:03:32 PM	62.7

12:03:42 PM	70.5
12:03:52 PM	71.2
12:04:02 PM	68.6
12:04:12 PM	67.8
12:04:22 PM	63.6
12:04:32 PM	61.3
12:04:42 PM	60
12:04:52 PM	59.2
12:05:02 PM	65.5
12:05:12 PM	68.1
12:05:22 PM	66.6
12:05:32 PM	61
12:05:42 PM	67
12:05:52 PM	69.1
12:06:02 PM	68.3
12:06:12 PM	66.2
12:06:22 PM	76.8
12:06:32 PM	79.6
12:06:42 PM	74.7
12:06:52 PM	74.8
12:07:02 PM	65.6
12:07:12 PM	63.2
12:07:22 PM	58.7
12:07:32 PM	58.8
12:07:42 PM	64.3
12:07:52 PM	68.4
12:08:02 PM	68.1
12:08:12 PM	57.6
12:08:22 PM	62.8
12:08:32 PM	64.2
12:08:42 PM	63.1
12:08:52 PM	64.3
12:09:02 PM	61.5
12:09:12 PM	62.4
12:09:22 PM	61.9
12:09:32 PM	55.7
12:09:42 PM	64.3
12:09:52 PM	65.9
12:10:02 PM	63.3
12:10:12 PM	65.4
12:10:22 PM	67.1
12:10:32 PM	64.9
12:10:42 PM	62.5
12:10:52 PM	54.8
12:11:02 PM	55.9
12:11:12 PM	68.5
12:11:22 PM	68.5
	67.5

Time	Leq
11:51:06 PM	66.9
11:51:16 PM	64.5
11:51:26 PM	52.9
11:51:36 PM	54.2
11:51:46 PM	57.9
11:51:56 PM	51.4
11:52:06 PM	52.7
11:52:16 PM	66.2
11:52:26 PM	64.6
11:52:36 PM	66.3
11:52:46 PM	65.4
11:52:56 PM	57.1
11:53:06 PM	52.9
11:53:16 PM	53.3
11:53:26 PM	52.5
11:53:36 PM	57.4
11:53:46 PM	58.7
11:53:56 PM	54.8
11:54:06 PM	61.9
11:54:16 PM	61.1
11:54:26 PM	62.1
11:54:36 PM	64.4
11:54:46 PM	55.2
11:54:56 PM	54.2
11:55:06 PM	57.3
11:55:16 PM	57.6
11:55:26 PM	51.5
11:55:36 PM	56.2
11:55:46 PM	63.2
11:55:56 PM	58.3
11:56:06 PM	52.7
11:56:16 PM	50.4
11:56:26 PM	53.6
11:56:36 PM	53.8
11:56:46 PM	60.5
11:56:56 PM	57.1
11:57:06 PM	61.1
11:57:16 PM	68.3
11:57:26 PM	68.8
11:57:36 PM	62.9
11:57:46 PM	57.4
11:57:56 PM	59.9
11:58:06 PM	62.3
11:58:16 PM	61.9
11:58:26 PM	57.1
11:58:36 PM	60.7

11:58:46 PM	54.9
11:58:56 PM	61.3
11:59:06 PM	66.8
11:59:16 PM	63.9
11:59:26 PM	63.5
11:59:36 PM	55.3
11:59:46 PM	56.9
11:59:56 PM	59.5
12:00:06 AM	55.9
12:00:16 AM	61
12:00:26 AM	60.4
12:00:36 AM	60.7
12:00:46 AM	66.9
12:00:56 AM	64.6
12:01:06 AM	62.4
12:01:16 AM	58.8
12:01:26 AM	55.4
12:01:36 AM	60.1
12:01:46 AM	57.7
12:01:56 AM	58.8
12:02:06 AM	53.9
12:02:16 AM	62.6
12:02:26 AM	70
12:02:36 AM	69.6
12:02:46 AM	62.4
12:02:56 AM	67.7
12:03:06 AM	61.1
12:03:16 AM	64.4
12:03:26 AM	60.1
12:03:36 AM	58.1
12:03:46 AM	53.5
12:03:56 AM	64.1
12:04:06 AM	69.2
12:04:16 AM	64.2
12:04:26 AM	60.9
12:04:36 AM	61.9
12:04:46 AM	57.7
12:04:56 AM	58.8
12:05:06 AM	59.8
12:05:16 AM	59.6
12:05:26 AM	60.4
12:05:36 AM	60
12:05:46 AM	64.8
12:05:56 AM	57.7
	62.4

Construction Noise & Vibration Calculations

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Sunset Vine SV2 Project EIR

FROM SOUNDPLAN

Rec.	Description	Closest Distance	Estimated Construction Noise Levels, dBA Leq (from SoundPLAN Model) Demolition	Grading/ Excavation	Parking Structure	Building Construction	Landscape
R1		20	75.6	74.3	76.3	73.7	73.7
R1U		20	78.4	76.9	79.2	76.6	76.6
R2		50	74.3	73.1	74.9	72.3	72.3
R2U		50	76.6	75.2	77.4	74.8	74.8
R3		210	51.1	49.7	51.8	49.2	49.3
R4		385	65.0	63.6	65.7	63.2	63.2
R5		545	51.4	50.1	52.1	49.5	49.5
R6		260	61.3	60.0	62.1	59.5	59.5
R6U		260	65.7	64.4	66.4	63.8	63.8
R7		450	54.8	53.5	55.6	53.0	53.0
R7U		450	60.4	59.1	61.2	58.6	58.6

U = Upper levels

FOR REPORT

Rec.	Description	Closest Distance	Demolition	Grading/ Excavation	Parking Structure	Building Construction	Landscape
R1		20	78.4	76.9	79.2	76.6	76.6
R2		50	76.6	75.2	77.4	74.8	74.8
R3		210	51.1	49.7	51.8	49.2	49.3
R4		385	65.0	63.6	65.7	63.2	63.2
R5		545	51.4	50.1	52.1	49.5	49.5
R6		260	65.7	64.4	66.4	63.8	63.8
R7		450	60.4	59.1	61.2	58.6	58.6

WITH MITIGATION MEASURES

Rec.	Description	Mitigation Measure Noise Reduction	Closest Distance	Demolition	Grading/ Excavation	Parking Structure	Building Construction	Landscape
R1		5	20	73.4	71.9	74.2	71.6	71.6
R2		3	50	73.6	72.2	74.4	71.8	71.8
R3		0	210	51.1	49.7	51.8	49.2	49.3
R4		0	385	65.0	63.6	65.7	63.2	63.2
R5		0	545	51.4	50.1	52.1	49.5	49.5
R6		0	260	65.7	64.4	66.4	63.8	63.8
R7		0	450	60.4	59.1	61.2	58.6	58.6

Sunset Vine 2
Source Levels in dB(A) - 05a Construction Demo

Name	Source type	Lw dB(A)	
Air Compressor	Area	105.7	
Concrete Saw	Area	114.7	
Excavator	Area	108.7	
Excavator	Area	108.7	
Generator Set	Area	109.6	
Generator Set	Area	109.6	
Rubber Tired Loader	Area	106.7	
Signal Board	Area	101.6	
Signal Board	Area	101.6	
Skid Steer Loader	Area	106.7	
Tractor_Loader_Bachoe	Area	111.7	
Water Truck	Area	103.7	
Welder	Area	101.7	

Sunset Vine 2
Calculated Noise Levels - 05a Construction Demo

Source	Source type	Leq,d dB(A)	
Receiver R1 Floor GF Leq,d 75.6 dB(A)			
Air Compressor	Area	61.4	
Concrete Saw	Area	70.1	
Excavator	Area	64.6	
Excavator	Area	64.6	
Generator Set	Area	65.3	
Generator Set	Area	65.3	
Rubber Tired Loader	Area	62.6	
Signal Board	Area	57.3	
Signal Board	Area	57.3	
Skid Steer Loader	Area	62.6	
Tractor_Loader_Bachoe	Area	67.6	
Water Truck	Area	59.6	
Welder	Area	57.4	
Receiver R1 Floor 1.FL Leq,d 78.4 dB(A)			
Air Compressor	Area	64.2	
Concrete Saw	Area	73.2	
Excavator	Area	67.2	
Excavator	Area	67.2	
Generator Set	Area	68.1	
Generator Set	Area	68.1	
Rubber Tired Loader	Area	65.2	
Signal Board	Area	60.1	
Signal Board	Area	60.1	
Skid Steer Loader	Area	65.2	
Tractor_Loader_Bachoe	Area	70.2	
Water Truck	Area	62.2	
Welder	Area	60.2	
Receiver R2 Floor GF Leq,d 74.3 dB(A)			
Air Compressor	Area	60.2	
Concrete Saw	Area	68.5	
Excavator	Area	63.5	
Excavator	Area	63.5	
Generator Set	Area	64.1	
Generator Set	Area	64.1	
Rubber Tired Loader	Area	61.5	
Signal Board	Area	56.1	
Signal Board	Area	56.1	
Skid Steer Loader	Area	61.5	
Tractor_Loader_Bachoe	Area	66.5	
Water Truck	Area	58.5	
Welder	Area	56.2	
Receiver R2 Floor 1.FL Leq,d 76.6 dB(A)			

Sunset Vine 2
Calculated Noise Levels - 05a Construction Demo

Source	Source type	Leq,d dB(A)	
Air Compressor	Area	62.4	
Concrete Saw	Area	71.3	
Excavator	Area	65.5	
Excavator	Area	65.5	
Generator Set	Area	66.3	
Generator Set	Area	66.3	
Rubber Tired Loader	Area	63.5	
Signal Board	Area	58.3	
Signal Board	Area	58.3	
Skid Steer Loader	Area	63.5	
Tractor_Loader_Bachoe	Area	68.5	
Water Truck	Area	60.5	
Welder	Area	58.4	
Receiver R3 Floor GF Leq,d 51.1 dB(A)			
Air Compressor	Area	36.9	
Concrete Saw	Area	45.7	
Excavator	Area	40.0	
Excavator	Area	40.0	
Generator Set	Area	40.8	
Generator Set	Area	40.8	
Rubber Tired Loader	Area	38.0	
Signal Board	Area	32.8	
Signal Board	Area	32.8	
Skid Steer Loader	Area	38.0	
Tractor_Loader_Bachoe	Area	43.0	
Water Truck	Area	35.0	
Welder	Area	32.9	
Receiver R4 Floor GF Leq,d 65.0 dB(A)			
Air Compressor	Area	50.8	
Concrete Saw	Area	59.7	
Excavator	Area	53.9	
Excavator	Area	53.9	
Generator Set	Area	54.7	
Generator Set	Area	54.7	
Rubber Tired Loader	Area	51.9	
Signal Board	Area	46.7	
Signal Board	Area	46.7	
Skid Steer Loader	Area	51.9	
Tractor_Loader_Bachoe	Area	56.9	
Water Truck	Area	48.9	
Welder	Area	46.8	
Receiver R5 Floor GF Leq,d 51.4 dB(A)			
Air Compressor	Area	37.2	

Sunset Vine 2
Calculated Noise Levels - 05a Construction Demo

Source	Source type	Leq,d dB(A)	
Concrete Saw	Area	45.9	
Excavator	Area	40.4	
Excavator	Area	40.4	
Generator Set	Area	41.1	
Generator Set	Area	41.1	
Rubber Tired Loader	Area	38.4	
Signal Board	Area	33.1	
Signal Board	Area	33.1	
Skid Steer Loader	Area	38.4	
Tractor_Loader_Bachoe	Area	43.4	
Water Truck	Area	35.4	
Welder	Area	33.2	
Receiver R6 Floor GF Leq,d 61.3 dB(A)			
Air Compressor	Area	47.2	
Concrete Saw	Area	56.0	
Excavator	Area	50.3	
Excavator	Area	50.3	
Generator Set	Area	51.1	
Generator Set	Area	51.1	
Rubber Tired Loader	Area	48.3	
Signal Board	Area	43.1	
Signal Board	Area	43.1	
Skid Steer Loader	Area	48.3	
Tractor_Loader_Bachoe	Area	53.3	
Water Truck	Area	45.3	
Welder	Area	43.2	
Receiver R6 Floor 1.FL Leq,d 65.7 dB(A)			
Air Compressor	Area	51.6	
Concrete Saw	Area	60.3	
Excavator	Area	54.7	
Excavator	Area	54.7	
Generator Set	Area	55.5	
Generator Set	Area	55.5	
Rubber Tired Loader	Area	52.7	
Signal Board	Area	47.5	
Signal Board	Area	47.5	
Skid Steer Loader	Area	52.7	
Tractor_Loader_Bachoe	Area	57.7	
Water Truck	Area	49.7	
Welder	Area	47.6	
Receiver R7 Floor GF Leq,d 54.8 dB(A)			
Air Compressor	Area	40.7	
Concrete Saw	Area	49.5	

Sunset Vine 2
Calculated Noise Levels - 05a Construction Demo

Source	Source type	Leq,d dB(A)	
Excavator	Area	43.8	
Excavator	Area	43.8	
Generator Set	Area	44.6	
Generator Set	Area	44.6	
Rubber Tired Loader	Area	41.8	
Signal Board	Area	36.6	
Signal Board	Area	36.6	
Skid Steer Loader	Area	41.8	
Tractor_Loader_Bachoe	Area	46.8	
Water Truck	Area	38.8	
Welder	Area	36.7	
Receiver R7 Floor 1.FL Leq,d 60.4 dB(A)			
Air Compressor	Area	46.3	
Concrete Saw	Area	55.0	
Excavator	Area	49.4	
Excavator	Area	49.4	
Generator Set	Area	50.2	
Generator Set	Area	50.2	
Rubber Tired Loader	Area	47.4	
Signal Board	Area	42.2	
Signal Board	Area	42.2	
Skid Steer Loader	Area	47.4	
Tractor_Loader_Bachoe	Area	52.4	
Water Truck	Area	44.4	
Welder	Area	42.3	

Sunset Vine 2
Source Levels in dB(A) - 05b Construction Grading

Name	Source type	Lw dB(A)	
Excavator	Area	108.7	
Excavator	Area	108.7	
Generator Set	Area	109.6	
Plate Compactor	Area	107.7	
Roller	Area	104.7	
Rubber Tired Loader	Area	106.7	
Rubber Tired Loader	Area	106.7	
Signal Board	Area	101.6	
Signal Board	Area	101.6	
Skid Steer Loader	Area	106.7	
Tractor_Loader_Bachoe	Area	111.7	
Water Truck	Area	103.7	
Welder	Area	101.7	
Welder	Area	101.7	

Sunset Vine 2
Calculated Noise Levels - 05b Construction Grading

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 74.3 dB(A)			
Excavator	Area	64.6	
Excavator	Area	64.6	
Generator Set	Area	65.3	
Rubber Tired Loader	Area	62.6	
Signal Board	Area	57.3	
Signal Board	Area	57.3	
Skid Steer Loader	Area	62.6	
Tractor_Loader_Bachoe	Area	67.6	
Water Truck	Area	59.6	
Welder	Area	57.4	
Plate Compactor	Area	63.4	
Roller	Area	60.4	
Rubber Tired Loader	Area	62.6	
Welder	Area	57.4	
Receiver R1 Leq,d 76.9 dB(A)			
Excavator	Area	67.2	
Excavator	Area	67.2	
Generator Set	Area	68.1	
Rubber Tired Loader	Area	65.2	
Signal Board	Area	60.1	
Signal Board	Area	60.1	
Skid Steer Loader	Area	65.2	
Tractor_Loader_Bachoe	Area	70.2	
Water Truck	Area	62.2	
Welder	Area	60.2	
Plate Compactor	Area	66.2	
Roller	Area	63.2	
Rubber Tired Loader	Area	65.2	
Welder	Area	60.2	
Receiver R2 Leq,d 73.1 dB(A)			
Excavator	Area	63.5	
Excavator	Area	63.5	
Generator Set	Area	64.1	
Rubber Tired Loader	Area	61.5	
Signal Board	Area	56.1	
Signal Board	Area	56.1	
Skid Steer Loader	Area	61.5	
Tractor_Loader_Bachoe	Area	66.5	
Water Truck	Area	58.5	
Welder	Area	56.2	
Plate Compactor	Area	62.2	
Roller	Area	59.2	

Sunset Vine 2
Calculated Noise Levels - 05b Construction Grading

Source	Source type	Leq,d dB(A)	
Rubber Tired Loader	Area	61.5	
Welder	Area	56.2	
Receiver R2 Leq,d 75.2 dB(A)			
Excavator	Area	65.5	
Excavator	Area	65.5	
Generator Set	Area	66.3	
Rubber Tired Loader	Area	63.5	
Signal Board	Area	58.3	
Signal Board	Area	58.3	
Skid Steer Loader	Area	63.5	
Tractor_Loader_Bachoe	Area	68.5	
Water Truck	Area	60.5	
Welder	Area	58.4	
Plate Compactor	Area	64.4	
Roller	Area	61.4	
Rubber Tired Loader	Area	63.5	
Welder	Area	58.4	
Receiver R3 Leq,d 49.7 dB(A)			
Excavator	Area	40.0	
Excavator	Area	40.0	
Generator Set	Area	40.8	
Rubber Tired Loader	Area	38.0	
Signal Board	Area	32.8	
Signal Board	Area	32.8	
Skid Steer Loader	Area	38.0	
Tractor_Loader_Bachoe	Area	43.0	
Water Truck	Area	35.0	
Welder	Area	32.9	
Plate Compactor	Area	38.9	
Roller	Area	35.9	
Rubber Tired Loader	Area	38.0	
Welder	Area	32.9	
Receiver R4 Leq,d 63.6 dB(A)			
Excavator	Area	53.9	
Excavator	Area	53.9	
Generator Set	Area	54.7	
Rubber Tired Loader	Area	51.9	
Signal Board	Area	46.7	
Signal Board	Area	46.7	
Skid Steer Loader	Area	51.9	
Tractor_Loader_Bachoe	Area	56.9	
Water Truck	Area	48.9	
Welder	Area	46.8	

Sunset Vine 2
Calculated Noise Levels - 05b Construction Grading

Source	Source type	Leq,d dB(A)	
Plate Compactor	Area	52.8	
Roller	Area	49.8	
Rubber Tired Loader	Area	51.9	
Welder	Area	46.8	
Receiver R5 Leq,d 50.1 dB(A)			
Excavator	Area	40.4	
Excavator	Area	40.4	
Generator Set	Area	41.1	
Rubber Tired Loader	Area	38.4	
Signal Board	Area	33.1	
Signal Board	Area	33.1	
Skid Steer Loader	Area	38.4	
Tractor_Loader_Bachoe	Area	43.4	
Water Truck	Area	35.4	
Welder	Area	33.2	
Plate Compactor	Area	39.2	
Roller	Area	36.2	
Rubber Tired Loader	Area	38.4	
Welder	Area	33.2	
Receiver R6 Leq,d 60.0 dB(A)			
Excavator	Area	50.3	
Excavator	Area	50.3	
Generator Set	Area	51.1	
Rubber Tired Loader	Area	48.3	
Signal Board	Area	43.1	
Signal Board	Area	43.1	
Skid Steer Loader	Area	48.3	
Tractor_Loader_Bachoe	Area	53.3	
Water Truck	Area	45.3	
Welder	Area	43.2	
Plate Compactor	Area	49.2	
Roller	Area	46.2	
Rubber Tired Loader	Area	48.3	
Welder	Area	43.2	
Receiver R6 Leq,d 64.4 dB(A)			
Excavator	Area	54.7	
Excavator	Area	54.7	
Generator Set	Area	55.5	
Rubber Tired Loader	Area	52.7	
Signal Board	Area	47.5	
Signal Board	Area	47.5	
Skid Steer Loader	Area	52.7	
Tractor_Loader_Bachoe	Area	57.7	

Sunset Vine 2
Calculated Noise Levels - 05b Construction Grading

Source	Source type	Leq,d dB(A)	
Water Truck	Area	49.7	
Welder	Area	47.6	
Plate Compactor	Area	53.6	
Roller	Area	50.6	
Rubber Tired Loader	Area	52.7	
Welder	Area	47.6	
Receiver R7 Leq,d 53.5 dB(A)			
Excavator	Area	43.8	
Excavator	Area	43.8	
Generator Set	Area	44.6	
Rubber Tired Loader	Area	41.8	
Signal Board	Area	36.6	
Signal Board	Area	36.6	
Skid Steer Loader	Area	41.8	
Tractor_Loader_Bachoe	Area	46.8	
Water Truck	Area	38.8	
Welder	Area	36.7	
Plate Compactor	Area	42.7	
Roller	Area	39.7	
Rubber Tired Loader	Area	41.8	
Welder	Area	36.7	
Receiver R7 Leq,d 59.1 dB(A)			
Excavator	Area	49.4	
Excavator	Area	49.4	
Generator Set	Area	50.2	
Rubber Tired Loader	Area	47.4	
Signal Board	Area	42.2	
Signal Board	Area	42.2	
Skid Steer Loader	Area	47.4	
Tractor_Loader_Bachoe	Area	52.4	
Water Truck	Area	44.4	
Welder	Area	42.3	
Plate Compactor	Area	48.3	
Roller	Area	45.3	
Rubber Tired Loader	Area	47.4	
Welder	Area	42.3	

Sunset Vine 2
Source Levels in dB(A) - 05c Construction Parking Structure

Name	Source type	Lw dB(A)	
Air Compressor	Area	105.7	
Cement & Mortar Mixer	Area	108.6	
Cement & Mortar Mixer	Area	108.6	
Cement & Mortar Mixer	Area	108.6	
Concrete Saw	Area	114.7	
Concrete Saw	Area	114.7	
Crane (Mobile)	Area	104.7	
Crane (Tower)	Area	104.7	
Forklift	Area	99.7	
Generator Set	Area	109.6	
Pump	Area	105.7	
Signal Board	Area	101.6	
Signal Board	Area	101.6	
Skid Steer Loader	Area	106.7	
Water Truck	Area	103.7	
Welder	Area	101.7	
Welder	Area	101.7	

Sunset Vine 2
Calculated Noise Levels - 05c Construction Parking Structure

Source	Source type	Leq,d dB(A)	
Receiver R1 Floor GF Leq,d 76.3 dB(A)			
Air Compressor	Area	61.4	
Cement & Mortar Mixer	Area	64.3	
Cement & Mortar Mixer	Area	64.3	
Cement & Mortar Mixer	Area	64.3	
Concrete Saw	Area	70.1	
Concrete Saw	Area	70.1	
Crane (Mobile)	Area	60.6	
Crane (Tower)	Area	60.6	
Forklift	Area	55.4	
Generator Set	Area	65.3	
Pump	Area	61.6	
Signal Board	Area	57.3	
Signal Board	Area	57.3	
Skid Steer Loader	Area	62.6	
Water Truck	Area	59.6	
Welder	Area	57.4	
Welder	Area	57.4	
Receiver R1 Floor 1.FL Leq,d 79.2 dB(A)			
Air Compressor	Area	64.2	
Cement & Mortar Mixer	Area	67.1	
Cement & Mortar Mixer	Area	67.1	
Cement & Mortar Mixer	Area	67.1	
Concrete Saw	Area	73.2	
Concrete Saw	Area	73.2	
Crane (Mobile)	Area	63.2	
Crane (Tower)	Area	63.2	
Forklift	Area	58.2	
Generator Set	Area	68.1	
Pump	Area	64.2	
Signal Board	Area	60.1	
Signal Board	Area	60.1	
Skid Steer Loader	Area	65.2	
Water Truck	Area	62.2	
Welder	Area	60.2	
Welder	Area	60.2	
Receiver R2 Floor GF Leq,d 74.9 dB(A)			
Air Compressor	Area	60.2	
Cement & Mortar Mixer	Area	63.1	
Cement & Mortar Mixer	Area	63.1	
Cement & Mortar Mixer	Area	63.1	
Concrete Saw	Area	68.5	
Concrete Saw	Area	68.5	

Sunset Vine 2
Calculated Noise Levels - 05c Construction Parking Structure

Source	Source type	Leq,d dB(A)	
Crane (Mobile)	Area	59.5	
Crane (Tower)	Area	59.5	
Forklift	Area	54.2	
Generator Set	Area	64.1	
Pump	Area	60.5	
Signal Board	Area	56.1	
Signal Board	Area	56.1	
Skid Steer Loader	Area	61.5	
Water Truck	Area	58.5	
Welder	Area	56.2	
Welder	Area	56.2	
Receiver R2 Floor 1.FL Leq,d 77.4 dB(A)			
Air Compressor	Area	62.4	
Cement & Mortar Mixer	Area	65.3	
Cement & Mortar Mixer	Area	65.3	
Cement & Mortar Mixer	Area	65.3	
Concrete Saw	Area	71.3	
Concrete Saw	Area	71.3	
Crane (Mobile)	Area	61.5	
Crane (Tower)	Area	61.5	
Forklift	Area	56.4	
Generator Set	Area	66.3	
Pump	Area	62.5	
Signal Board	Area	58.3	
Signal Board	Area	58.3	
Skid Steer Loader	Area	63.5	
Water Truck	Area	60.5	
Welder	Area	58.4	
Welder	Area	58.4	
Receiver R3 Floor GF Leq,d 51.8 dB(A)			
Air Compressor	Area	36.9	
Cement & Mortar Mixer	Area	39.8	
Cement & Mortar Mixer	Area	39.8	
Cement & Mortar Mixer	Area	39.8	
Concrete Saw	Area	45.7	
Concrete Saw	Area	45.7	
Crane (Mobile)	Area	36.0	
Crane (Tower)	Area	36.0	
Forklift	Area	30.9	
Generator Set	Area	40.8	
Pump	Area	37.0	
Signal Board	Area	32.8	
Signal Board	Area	32.8	

Sunset Vine 2
Calculated Noise Levels - 05c Construction Parking Structure

Source	Source type	Leq,d dB(A)	
Skid Steer Loader	Area	38.0	
Water Truck	Area	35.0	
Welder	Area	32.9	
Welder	Area	32.9	
Receiver R4 Floor GF Leq,d 65.7 dB(A)			
Air Compressor	Area	50.8	
Cement & Mortar Mixer	Area	53.7	
Cement & Mortar Mixer	Area	53.7	
Cement & Mortar Mixer	Area	53.7	
Concrete Saw	Area	59.7	
Concrete Saw	Area	59.7	
Crane (Mobile)	Area	49.9	
Crane (Tower)	Area	49.9	
Forklift	Area	44.8	
Generator Set	Area	54.7	
Pump	Area	50.9	
Signal Board	Area	46.7	
Signal Board	Area	46.7	
Skid Steer Loader	Area	51.9	
Water Truck	Area	48.9	
Welder	Area	46.8	
Welder	Area	46.8	
Receiver R5 Floor GF Leq,d 52.1 dB(A)			
Air Compressor	Area	37.2	
Cement & Mortar Mixer	Area	40.1	
Cement & Mortar Mixer	Area	40.1	
Cement & Mortar Mixer	Area	40.1	
Concrete Saw	Area	45.9	
Concrete Saw	Area	45.9	
Crane (Mobile)	Area	36.4	
Crane (Tower)	Area	36.4	
Forklift	Area	31.2	
Generator Set	Area	41.1	
Pump	Area	37.4	
Signal Board	Area	33.1	
Signal Board	Area	33.1	
Skid Steer Loader	Area	38.4	
Water Truck	Area	35.4	
Welder	Area	33.2	
Welder	Area	33.2	
Receiver R6 Floor GF Leq,d 62.1 dB(A)			
Air Compressor	Area	47.2	
Cement & Mortar Mixer	Area	50.1	

Sunset Vine 2
Calculated Noise Levels - 05c Construction Parking Structure

Source	Source type	Leq,d dB(A)	
Cement & Mortar Mixer	Area	50.1	
Cement & Mortar Mixer	Area	50.1	
Concrete Saw	Area	56.0	
Concrete Saw	Area	56.0	
Crane (Mobile)	Area	46.3	
Crane (Tower)	Area	46.3	
Forklift	Area	41.2	
Generator Set	Area	51.1	
Pump	Area	47.3	
Signal Board	Area	43.1	
Signal Board	Area	43.1	
Skid Steer Loader	Area	48.3	
Water Truck	Area	45.3	
Welder	Area	43.2	
Welder	Area	43.2	
Receiver R6 Floor 1.FL Leq,d 66.4 dB(A)			
Air Compressor	Area	51.6	
Cement & Mortar Mixer	Area	54.5	
Cement & Mortar Mixer	Area	54.5	
Cement & Mortar Mixer	Area	54.5	
Concrete Saw	Area	60.3	
Concrete Saw	Area	60.3	
Crane (Mobile)	Area	50.7	
Crane (Tower)	Area	50.7	
Forklift	Area	45.6	
Generator Set	Area	55.5	
Pump	Area	51.7	
Signal Board	Area	47.5	
Signal Board	Area	47.5	
Skid Steer Loader	Area	52.7	
Water Truck	Area	49.7	
Welder	Area	47.6	
Welder	Area	47.6	
Receiver R7 Floor GF Leq,d 55.6 dB(A)			
Air Compressor	Area	40.7	
Cement & Mortar Mixer	Area	43.6	
Cement & Mortar Mixer	Area	43.6	
Cement & Mortar Mixer	Area	43.6	
Concrete Saw	Area	49.5	
Concrete Saw	Area	49.5	
Crane (Mobile)	Area	39.8	
Crane (Tower)	Area	39.8	
Forklift	Area	34.7	

Sunset Vine 2
Calculated Noise Levels - 05c Construction Parking Structure

Source	Source type	Leq,d dB(A)	
Generator Set	Area	44.6	
Pump	Area	40.8	
Signal Board	Area	36.6	
Signal Board	Area	36.6	
Skid Steer Loader	Area	41.8	
Water Truck	Area	38.8	
Welder	Area	36.7	
Welder	Area	36.7	
Receiver R7 Floor 1.FL Leq,d 61.2 dB(A)			
Air Compressor	Area	46.3	
Cement & Mortar Mixer	Area	49.2	
Cement & Mortar Mixer	Area	49.2	
Cement & Mortar Mixer	Area	49.2	
Concrete Saw	Area	55.0	
Concrete Saw	Area	55.0	
Crane (Mobile)	Area	45.4	
Crane (Tower)	Area	45.4	
Forklift	Area	40.3	
Generator Set	Area	50.2	
Pump	Area	46.4	
Signal Board	Area	42.2	
Signal Board	Area	42.2	
Skid Steer Loader	Area	47.4	
Water Truck	Area	44.4	
Welder	Area	42.3	
Welder	Area	42.3	

Sunset Vine 2
Source Levels in dB(A) - 05d Construction Building Construction

Name	Source type	Lw dB(A)	
Air Compressor	Area	105.7	
Air Compressor	Area	105.7	
Concrete Saw	Area	114.7	
Crane (Mobile)	Area	104.7	
Crane (Tower)	Area	104.7	
Forklift	Area	99.7	
Forklift	Area	99.7	
Generator Set	Area	109.6	
Pump	Area	105.7	
Signal Board	Area	101.6	
Signal Board	Area	101.6	
Water Truck	Area	103.7	
Welder	Area	101.7	

Sunset Vine 2
Calculated Noise Levels - 05d Construction Building Construction

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl GF Leq,d 73.7 dB(A)			
Air Compressor	Area	61.4	
Concrete Saw	Area	70.1	
Crane (Mobile)	Area	60.6	
Crane (Tower)	Area	60.6	
Forklift	Area	55.4	
Generator Set	Area	65.3	
Pump	Area	61.6	
Signal Board	Area	57.3	
Signal Board	Area	57.3	
Water Truck	Area	59.6	
Welder	Area	57.4	
Air Compressor	Area	61.4	
Forklift	Area	55.4	
Receiver R1 Fl 1.FL Leq,d 76.6 dB(A)			
Air Compressor	Area	64.2	
Concrete Saw	Area	73.2	
Crane (Mobile)	Area	63.2	
Crane (Tower)	Area	63.2	
Forklift	Area	58.2	
Generator Set	Area	68.1	
Pump	Area	64.2	
Signal Board	Area	60.1	
Signal Board	Area	60.1	
Water Truck	Area	62.2	
Welder	Area	60.2	
Air Compressor	Area	64.2	
Forklift	Area	58.2	
Receiver R2 Fl GF Leq,d 72.3 dB(A)			
Air Compressor	Area	60.2	
Concrete Saw	Area	68.5	
Crane (Mobile)	Area	59.5	
Crane (Tower)	Area	59.5	
Forklift	Area	54.2	
Generator Set	Area	64.1	
Pump	Area	60.5	
Signal Board	Area	56.1	
Signal Board	Area	56.1	
Water Truck	Area	58.5	
Welder	Area	56.2	
Air Compressor	Area	60.2	
Forklift	Area	54.2	
Receiver R2 Fl 1.FL Leq,d 74.8 dB(A)			

Sunset Vine 2
Calculated Noise Levels - 05d Construction Building Construction

Source	Source type	Leq,d dB(A)	
Air Compressor	Area	62.4	
Concrete Saw	Area	71.3	
Crane (Mobile)	Area	61.5	
Crane (Tower)	Area	61.5	
Forklift	Area	56.4	
Generator Set	Area	66.3	
Pump	Area	62.5	
Signal Board	Area	58.3	
Signal Board	Area	58.3	
Water Truck	Area	60.5	
Welder	Area	58.4	
Air Compressor	Area	62.4	
Forklift	Area	56.4	
Receiver R3 Fl GF Leq,d 49.2 dB(A)			
Air Compressor	Area	36.9	
Concrete Saw	Area	45.7	
Crane (Mobile)	Area	36.0	
Crane (Tower)	Area	36.0	
Forklift	Area	30.9	
Generator Set	Area	40.8	
Pump	Area	37.0	
Signal Board	Area	32.8	
Signal Board	Area	32.8	
Water Truck	Area	35.0	
Welder	Area	32.9	
Air Compressor	Area	36.9	
Forklift	Area	30.9	
Receiver R4 Fl GF Leq,d 63.2 dB(A)			
Air Compressor	Area	50.8	
Concrete Saw	Area	59.7	
Crane (Mobile)	Area	49.9	
Crane (Tower)	Area	49.9	
Forklift	Area	44.8	
Generator Set	Area	54.7	
Pump	Area	50.9	
Signal Board	Area	46.7	
Signal Board	Area	46.7	
Water Truck	Area	48.9	
Welder	Area	46.8	
Air Compressor	Area	50.8	
Forklift	Area	44.8	
Receiver R5 Fl GF Leq,d 49.5 dB(A)			
Air Compressor	Area	37.2	

Sunset Vine 2
Calculated Noise Levels - 05d Construction Building Construction

Source	Source type	Leq,d dB(A)	
Concrete Saw	Area	45.9	
Crane (Mobile)	Area	36.4	
Crane (Tower)	Area	36.4	
Forklift	Area	31.2	
Generator Set	Area	41.1	
Pump	Area	37.4	
Signal Board	Area	33.1	
Signal Board	Area	33.1	
Water Truck	Area	35.4	
Welder	Area	33.2	
Air Compressor	Area	37.2	
Forklift	Area	31.2	
Receiver R6 Fl GF Leq,d 59.5 dB(A)			
Air Compressor	Area	47.2	
Concrete Saw	Area	56.0	
Crane (Mobile)	Area	46.3	
Crane (Tower)	Area	46.3	
Forklift	Area	41.2	
Generator Set	Area	51.1	
Pump	Area	47.3	
Signal Board	Area	43.1	
Signal Board	Area	43.1	
Water Truck	Area	45.3	
Welder	Area	43.2	
Air Compressor	Area	47.2	
Forklift	Area	41.2	
Receiver R6 Fl 1.FL Leq,d 63.8 dB(A)			
Air Compressor	Area	51.6	
Concrete Saw	Area	60.3	
Crane (Mobile)	Area	50.7	
Crane (Tower)	Area	50.7	
Forklift	Area	45.6	
Generator Set	Area	55.5	
Pump	Area	51.7	
Signal Board	Area	47.5	
Signal Board	Area	47.5	
Water Truck	Area	49.7	
Welder	Area	47.6	
Air Compressor	Area	51.6	
Forklift	Area	45.6	
Receiver R7 Fl GF Leq,d 53.0 dB(A)			
Air Compressor	Area	40.7	
Concrete Saw	Area	49.5	

Sunset Vine 2
Calculated Noise Levels - 05d Construction Building Construction

Source	Source type	Leq,d dB(A)	
Crane (Mobile)	Area	39.8	
Crane (Tower)	Area	39.8	
Forklift	Area	34.7	
Generator Set	Area	44.6	
Pump	Area	40.8	
Signal Board	Area	36.6	
Signal Board	Area	36.6	
Water Truck	Area	38.8	
Welder	Area	36.7	
Air Compressor	Area	40.7	
Forklift	Area	34.7	
Receiver R7 Fl 1.FL Leq,d 58.6 dB(A)			
Air Compressor	Area	46.3	
Concrete Saw	Area	55.0	
Crane (Mobile)	Area	45.4	
Crane (Tower)	Area	45.4	
Forklift	Area	40.3	
Generator Set	Area	50.2	
Pump	Area	46.4	
Signal Board	Area	42.2	
Signal Board	Area	42.2	
Water Truck	Area	44.4	
Welder	Area	42.3	
Air Compressor	Area	46.3	
Forklift	Area	40.3	

Sunset Vine 2
Source Levels in dB(A) - 05e Construction Hardscape and Landscaping

Name	Source type	Lw dB(A)	
Air Compressor	Area	105.7	
Cement & Mortar Mixer	Area	108.6	
Concrete Saw	Area	114.7	
Crane (Mobile)	Area	104.7	
Forklift	Area	99.7	
Plate Compactor	Area	107.7	
Pump	Area	105.7	
Roller	Area	104.7	
Signal Board	Area	101.6	
Signal Board	Area	101.6	
Skid Steer Loader	Area	106.7	

Sunset Vine 2
Calculated Noise Levels - 05e Construction Hardscape and Landscaping

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl GF Leq,d 73.7 dB(A)			
Air Compressor	Area	61.4	
Concrete Saw	Area	70.1	
Crane (Mobile)	Area	60.6	
Forklift	Area	55.4	
Pump	Area	61.6	
Signal Board	Area	57.3	
Signal Board	Area	57.3	
Cement & Mortar Mixer	Area	64.3	
Plate Compactor	Area	63.4	
Roller	Area	60.4	
Skid Steer Loader	Area	62.6	
Receiver R1 Fl 1.FL Leq,d 76.6 dB(A)			
Air Compressor	Area	64.2	
Concrete Saw	Area	73.2	
Crane (Mobile)	Area	63.2	
Forklift	Area	58.2	
Pump	Area	64.2	
Signal Board	Area	60.1	
Signal Board	Area	60.1	
Cement & Mortar Mixer	Area	67.1	
Plate Compactor	Area	66.2	
Roller	Area	63.2	
Skid Steer Loader	Area	65.2	
Receiver R2 Fl GF Leq,d 72.3 dB(A)			
Air Compressor	Area	60.2	
Concrete Saw	Area	68.5	
Crane (Mobile)	Area	59.5	
Forklift	Area	54.2	
Pump	Area	60.5	
Signal Board	Area	56.1	
Signal Board	Area	56.1	
Cement & Mortar Mixer	Area	63.1	
Plate Compactor	Area	62.2	
Roller	Area	59.2	
Skid Steer Loader	Area	61.5	
Receiver R2 Fl 1.FL Leq,d 74.8 dB(A)			
Air Compressor	Area	62.4	
Concrete Saw	Area	71.3	
Crane (Mobile)	Area	61.5	
Forklift	Area	56.4	

Sunset Vine 2
Calculated Noise Levels - 05e Construction Hardscape and Landscaping

Source	Source type	Leq,d dB(A)	
Pump	Area	62.5	
Signal Board	Area	58.3	
Signal Board	Area	58.3	
Cement & Mortar Mixer	Area	65.3	
Plate Compactor	Area	64.4	
Roller	Area	61.4	
Skid Steer Loader	Area	63.5	
Receiver R3 Fl GF Leq,d 49.3 dB(A)			
Air Compressor	Area	36.9	
Concrete Saw	Area	45.7	
Crane (Mobile)	Area	36.0	
Forklift	Area	30.9	
Pump	Area	37.0	
Signal Board	Area	32.8	
Signal Board	Area	32.8	
Cement & Mortar Mixer	Area	39.8	
Plate Compactor	Area	38.9	
Roller	Area	35.9	
Skid Steer Loader	Area	38.0	
Receiver R4 Fl GF Leq,d 63.2 dB(A)			
Air Compressor	Area	50.8	
Concrete Saw	Area	59.7	
Crane (Mobile)	Area	49.9	
Forklift	Area	44.8	
Pump	Area	50.9	
Signal Board	Area	46.7	
Signal Board	Area	46.7	
Cement & Mortar Mixer	Area	53.7	
Plate Compactor	Area	52.8	
Roller	Area	49.8	
Skid Steer Loader	Area	51.9	
Receiver R5 Fl GF Leq,d 49.5 dB(A)			
Air Compressor	Area	37.2	
Concrete Saw	Area	45.9	
Crane (Mobile)	Area	36.4	
Forklift	Area	31.2	
Pump	Area	37.4	
Signal Board	Area	33.1	
Signal Board	Area	33.1	
Cement & Mortar Mixer	Area	40.1	
Plate Compactor	Area	39.2	
Roller	Area	36.2	

Sunset Vine 2
Calculated Noise Levels - 05e Construction Hardscape and Landscaping

Source	Source type	Leq,d dB(A)	
Skid Steer Loader	Area	38.4	
Receiver R6 Fl GF Leq,d 59.5 dB(A)			
Air Compressor	Area	47.2	
Concrete Saw	Area	56.0	
Crane (Mobile)	Area	46.3	
Forklift	Area	41.2	
Pump	Area	47.3	
Signal Board	Area	43.1	
Signal Board	Area	43.1	
Cement & Mortar Mixer	Area	50.1	
Plate Compactor	Area	49.2	
Roller	Area	46.2	
Skid Steer Loader	Area	48.3	
Receiver R6 Fl 1.FL Leq,d 63.8 dB(A)			
Air Compressor	Area	51.6	
Concrete Saw	Area	60.3	
Crane (Mobile)	Area	50.7	
Forklift	Area	45.6	
Pump	Area	51.7	
Signal Board	Area	47.5	
Signal Board	Area	47.5	
Cement & Mortar Mixer	Area	54.5	
Plate Compactor	Area	53.6	
Roller	Area	50.6	
Skid Steer Loader	Area	52.7	
Receiver R7 Fl GF Leq,d 53.0 dB(A)			
Air Compressor	Area	40.7	
Concrete Saw	Area	49.5	
Crane (Mobile)	Area	39.8	
Forklift	Area	34.7	
Pump	Area	40.8	
Signal Board	Area	36.6	
Signal Board	Area	36.6	
Cement & Mortar Mixer	Area	43.6	
Plate Compactor	Area	42.7	
Roller	Area	39.7	
Skid Steer Loader	Area	41.8	
Receiver R7 Fl 1.FL Leq,d 58.6 dB(A)			
Air Compressor	Area	46.3	
Concrete Saw	Area	55.0	
Crane (Mobile)	Area	45.4	

Sunset Vine 2
Calculated Noise Levels - 05e Construction Hardscape and Landscaping

Source	Source type	Leq,d dB(A)	
Forklift	Area	40.3	
Pump	Area	46.4	
Signal Board	Area	42.2	
Signal Board	Area	42.2	
Cement & Mortar Mixer	Area	49.2	
Plate Compactor	Area	48.3	
Roller	Area	45.3	
Skid Steer Loader	Area	47.4	

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Project: Sunset Vine SV2 Project EIR

Off-Site Haul Trucks

	Maximum Number of Truck One Way Trips (delivery/haul)		Estimated Noise Levels, dBA Leq			
Phase	Per Day	Per Hour (8-hr day)	Vine	Sunset	Hollywood	Santa Monica
TNM noise level for 1 trucks		1	49.4	49.4	49.4	50.1
1. Demolition (6hrs)	100	17	61.7	61.7	61.7	62.4
2. Grading/Excavation (6hrs)	160	27	63.7	63.7	63.7	64.4
3. Parking Structures	180	23	63.0	63.0	63.0	63.7
4. Building Construction	140	18	62.0	62.0	62.0	62.7
5. Landscape	14	2	52.4	52.4	52.4	53.1
		Ambient	67.5	69.8	67.5	69.8
		Ambient + 5 dB	72.5	74.8	72.5	74.8

	Construction + Ambient, dBA Leq			
	Vine	Sunset	Hollywood	Santa Monica
1. Demolition (6hrs)	68.5	70.4	68.5	70.5
2. Grading/Excavation (6hrs)	69.0	70.8	69.0	70.9
3. Parking Structures	68.8	70.6	68.8	70.8
4. Building Construction	68.6	70.5	68.6	70.6
5. Landscape	67.6	69.9	67.6	69.9

Project: Sunset Vine SV2 Project EIR

Construction Vibration Impacts

Reference Levels at 25 feet are based on FTA, 2006 (Transit Noise and Vibration Impact Assessment)
Calculations using FTA procedure with n= **1.5** (for receptors 25 feet or greater)
n= **1.1** (for receptors less than 25 feet, per Caltrans procedure)

ON-SITE CONSTRUCTION ACTIVITIES

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV							
		Home Saving and Loan Building (historic) to the North		Single-story Commercial and 3-story Resid. Buildings to the South		6-story Residential Building to the East		Bank of America (historic) to the West	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level
Vibratory Roller	0.210	125	0.019	50	0.074	10	0.575	100	0.026
Large Bulldozer	0.089	125	0.008	50	0.032	10	0.244	100	0.011
Caisson Drilling	0.089	125	0.008	50	0.032	10	0.244	100	0.011
Loaded Trucks	0.076	125	0.007	50	0.027	10	0.208	100	0.010
Jackhammer	0.035	125	0.003	50	0.0124	10	0.096	100	0.004
Small bulldozer	0.003	125	0.000	50	0.001	10	0.0082	100	0.000

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV							
		Afton Square Historic District to the South		Hollywood Palladium (historic) to the norheast		Earl Carroll Theater (historic) to the east		Morgan Camera Building (on-site historic)	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level
Vibratory Roller	0.210	175	0.011	215	0.008	285	0.006	20	0.268
Large Bulldozer	0.089	175	0.005	215	0.004	285	0.002	10	0.244
Caisson Drilling	0.089	175	0.005	215	0.004	285	0.002	10	0.244
Loaded Trucks	0.076	175	0.004	215	0.003	285	0.002	10	0.208
Jackhammer	0.035	175	0.002	215	0.001	285	0.001	10	0.096
Small bulldozer	0.003	175	0.000	215	0.000	285	0.000	10	0.008

Operation Noise Calculations

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Project Composite Noise Calculations (CNEL)

Project: Sunset and Vine Project

Receptor	Ambient	Traffic[a]	Mechanical			Outdoor		Project Composite	Ambient + Project	Increase
R1	63.4	46.6	49.4			62.1		62.4	66.0	2.6
R1U	63.4	45.4	60.9			63.4		65.4	67.5	4.1
R2	60.6	49.6	42.7			41.5		50.9	61.0	0.4
R2U	60.6	48.1	46.3			48.4		52.5	61.2	0.6
R3	65.4	41.0	35.7			36.1		43.1	65.4	0.0
R4	58.4	47.3	45.2			36.3		49.6	58.9	0.5
R5	71.2	40.1	42.2			41.9		46.2	71.2	0.0
R6	73.7	40.4	42.8			48.9		50.3	73.7	0.0
R6U	73.7	44.3	45.7			53.0		54.2	73.7	0.0
R7	68.6	45.0	42.3			36.0		47.2	68.6	0.0
R7U										

[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.

		Traffic Noise Levels, CNEL								
Receptor	Roadway Segment	Existing	Existing + Project	Project Only	distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
R1	Leland	55.7	56.2	46.6	35	58.7	59.2	0	25	-3.0
R1U	Leland	54.6	55.1	45.4	50	58.7	59.2	0	25	-4.1
R2	Leland	58.7	59.2	49.6	10	58.7	59.2	0	25	0.0
R2U	Leland	57.2	57.7	48.1	20	58.7	59.2	0	25	-1.5
R3	Leland	50.1	50.6	41.0	165	58.7	59.2	0	25	-8.6
R4	DeLongpre	60.6	60.8	47.3	10	60.6	60.8	0	25	0.0
R5	Sunset	63.4	63.5	40.1	15	69.2	69.2	-5	25	-0.8
R6	Sunset	63.8	63.8	40.4	15	69.2	69.2	-5	45	-0.5
R6U	Sunset	67.6	67.7	44.3	30	69.2	69.2	0	45	-1.6
R7	Vine	67.8	67.8	45.0	20	68.7	68.7	0	45	-0.9
R7U	Vine	66.4	66.5	43.7	40	68.7	68.7	0	45	-2.2

For Report

Receptor	Ambient	Traffic[a]	Mechanical			Outdoor		Project Composite	Ambient + Project	Increase
R1	63.4	45.4	60.9			63.4		65.4	67.5	4.1
R2	60.6	48.1	46.3			48.4		52.5	61.2	0.6
R3	65.4	41.0	35.7			36.1		43.1	65.4	0.0
R4	58.4	47.3	45.2			36.3		49.6	58.9	0.5
R5	71.2	40.4	42.8			48.9		50.3	73.7	2.5
R6	73.7	44.3	45.7			53.0		54.2	73.7	0.0
R7	68.6	45.0	42.3			36.0		47.2	68.6	0.0

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Outdoor Mechanical Equipment Noise Calculations

Project: Sunset and Vine Project

	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	12	3	9
R1	42.7	49.4	42.7	42.7	42.7
R1U	54.2	60.9	54.2	54.2	54.2
R2	36.0	42.7	36.0	36.0	36.0
R2U	39.6	46.3	39.6	39.6	39.6
R3	29.0	35.7	29.0	29.0	29.0
R4	38.5	45.2	38.5	38.5	38.5
R5	35.5	42.2	35.5	35.5	35.5
R6	36.1	42.8	36.1	36.1	36.1
R6U	39.0	45.7	39.0	39.0	39.0
R7	35.6	42.3	35.6	35.6	35.6
R7U	38.3	45.0	38.3	38.3	38.3

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	63.4	63.6	0.2	56.2	56.4	0.2
R1U	63.4	65.3	1.9	56.2	58.3	2.1
R2	60.6	60.7	0.1	55.8	55.8	0.0
R2U	60.6	60.8	0.2	55.8	55.9	0.1
R3	65.4	65.4	0.0	60.6	60.6	0.0
R4	58.4	58.6	0.2	53.6	53.7	0.1
R5	71.2	71.2	0.0	65.2	65.2	0.0
R6	73.7	73.7	0.0	67.6	67.6	0.0
R6U	73.7	73.7	0.0	67.6	67.6	0.0
R7	68.6	68.6	0.0	62.4	62.4	0.0
R7U	68.6	68.6	0.0	62.4	62.4	0.0

For Report

Receptor	Ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold
R1	56.2	54.2	58.3	2.1	61.2
R2	55.8	39.6	55.9	0.1	60.8
R3	60.6	29.0	60.6	0.0	65.6
R4	53.6	38.5	53.7	0.1	58.6
R5	65.2	35.5	65.2	0.0	70.2
R6	67.6	39.0	67.6	0.0	72.6
R7	62.4	38.3	62.4	0.0	67.4

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ACOUSTICAL ENGINEERING SERVICES

Outdoor Noise Calculations

Project: Sunset and Vine Project

	Estimated noise levels, Leq (FROM SOUNDPLAN)				Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Sound System	Occupants	Total, Leq	CNEL	12	3	4
R1	55.6	54.3	58.0	62.1	58.0	58.0	54.5
R1U	55.9	56.6	59.3	63.4	59.3	59.3	55.8
R2	34.8	33.9	37.4	41.5	37.4	37.4	33.9
R2U	37.6	43.2	44.3	48.4	44.3	44.3	40.8
R3	30.1	27.5	32.0	36.1	32.0	32.0	28.5
R4	27.2	30.5	32.2	36.3	32.2	32.2	28.7
R5	36.3	32.3	37.8	41.9	37.8	37.8	34.3
R6	42.3	41.3	44.8	48.9	44.8	44.8	41.3
R6U	45.1	46.5	48.9	53.0	48.9	48.9	45.4
R7	29.4	28.2	31.9	36.0	31.9	31.9	28.4
R7U	43.8	39.4	45.1	49.2	45.1	45.1	41.6

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	63.4	65.8	2.4	56.2	58.0	60.2	4.0
R1U	63.4	66.4	3.0	56.2	59.3	61.0	4.8
R2	60.6	60.7	0.1	55.8	37.4	55.9	0.1
R2U	60.6	60.9	0.3	55.8	44.3	56.1	0.3
R3	65.4	65.4	0.0	60.6	32.0	60.6	0.0
R4	58.4	58.4	0.0	53.6	32.2	53.6	0.0
R5	71.2	71.2	0.0	65.2	37.8	65.2	0.0
R6	73.7	73.7	0.0	67.6	44.8	67.6	0.0
R6U	73.7	73.7	0.0	67.6	48.9	67.7	0.1
R7	68.6	68.6	0.0	62.4	31.9	62.4	0.0
R7U	68.6	68.6	0.0	62.4	45.1	62.5	0.1

For Report

Receptor	Ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold (Leq)
R1	56.2	59.3	61.0	4.8	61.2
R2	55.8	44.3	56.1	0.3	60.8
R3	60.6	32.0	60.6	0.0	65.6
R4	53.6	32.2	53.6	0.0	58.6
R5	65.2	37.8	65.2	0.0	70.2
R6	67.6	48.9	67.7	0.1	72.6
R7	62.4	45.1	62.5	0.1	67.4

Sunset Vine 2
Source Levels in dB(A) - 01 Mechanical

Name	Source type	Lw dB(A)	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
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Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	

Sunset Vine 2
Source Levels in dB(A) - 01 Mechanical

Name	Source type	Lw dB(A)	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	
Mechanical	Point	80.0	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl GF Leq,d 42.7 dB(A)			
Mechanical	Point	21.3	
Mechanical	Point	21.8	
Mechanical	Point	22.5	
Mechanical	Point	22.6	
Mechanical	Point	22.3	
Mechanical	Point	22.9	
Mechanical	Point	23.7	
Mechanical	Point	27.7	
Mechanical	Point	29.1	
Mechanical	Point	30.0	
Mechanical	Point	30.1	
Mechanical	Point	31.6	
Mechanical	Point	31.0	
Mechanical	Point	29.7	
Mechanical	Point	29.7	
Mechanical	Point	26.3	
Mechanical	Point	27.4	
Mechanical	Point	29.5	
Mechanical	Point	27.8	
Mechanical	Point	29.9	
Mechanical	Point	30.0	
Mechanical	Point	30.2	
Mechanical	Point	28.9	
Mechanical	Point	15.6	
Mechanical	Point	16.0	
Mechanical	Point	16.3	
Mechanical	Point	16.7	
Mechanical	Point	15.6	
Mechanical	Point	15.9	
Mechanical	Point	16.2	
Mechanical	Point	18.8	
Mechanical	Point	20.9	
Mechanical	Point	21.5	
Mechanical	Point	23.1	
Mechanical	Point	24.1	
Mechanical	Point	17.1	
Mechanical	Point	19.5	
Mechanical	Point	19.4	
Mechanical	Point	17.8	
Mechanical	Point	20.3	
Mechanical	Point	20.3	
Mechanical	Point	24.9	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	21.3	
Mechanical	Point	21.2	
Mechanical	Point	13.4	
Mechanical	Point	13.6	
Mechanical	Point	13.8	
Mechanical	Point	14.0	
Mechanical	Point	14.2	
Mechanical	Point	19.2	
Mechanical	Point	19.3	
Mechanical	Point	23.3	
Mechanical	Point	23.2	
Mechanical	Point	23.2	
Receiver R1 Fl 1.FL Leq,d 54.2 dB(A)			
Mechanical	Point	32.4	
Mechanical	Point	32.5	
Mechanical	Point	32.6	
Mechanical	Point	32.7	
Mechanical	Point	32.7	
Mechanical	Point	33.0	
Mechanical	Point	33.2	
Mechanical	Point	33.5	
Mechanical	Point	33.8	
Mechanical	Point	34.1	
Mechanical	Point	34.4	
Mechanical	Point	34.9	
Mechanical	Point	35.9	
Mechanical	Point	35.9	
Mechanical	Point	36.0	
Mechanical	Point	38.5	
Mechanical	Point	39.0	
Mechanical	Point	39.7	
Mechanical	Point	40.4	
Mechanical	Point	41.3	
Mechanical	Point	42.2	
Mechanical	Point	43.3	
Mechanical	Point	44.6	
Mechanical	Point	33.6	
Mechanical	Point	33.9	
Mechanical	Point	34.2	
Mechanical	Point	34.5	
Mechanical	Point	33.3	
Mechanical	Point	33.6	
Mechanical	Point	33.9	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	34.6	
Mechanical	Point	36.3	
Mechanical	Point	36.7	
Mechanical	Point	37.1	
Mechanical	Point	37.5	
Mechanical	Point	34.9	
Mechanical	Point	35.1	
Mechanical	Point	34.9	
Mechanical	Point	35.7	
Mechanical	Point	35.9	
Mechanical	Point	35.8	
Mechanical	Point	33.7	
Mechanical	Point	33.3	
Mechanical	Point	33.5	
Mechanical	Point	33.4	
Mechanical	Point	33.7	
Mechanical	Point	33.9	
Mechanical	Point	34.3	
Mechanical	Point	34.5	
Mechanical	Point	37.2	
Mechanical	Point	37.4	
Mechanical	Point	37.7	
Mechanical	Point	37.7	
Mechanical	Point	37.7	
Receiver R2 Fl GF Leq,d 36.0 dB(A)			
Mechanical	Point	8.0	
Mechanical	Point	8.2	
Mechanical	Point	8.3	
Mechanical	Point	8.6	
Mechanical	Point	8.4	
Mechanical	Point	8.6	
Mechanical	Point	8.9	
Mechanical	Point	9.7	
Mechanical	Point	10.0	
Mechanical	Point	10.6	
Mechanical	Point	11.3	
Mechanical	Point	11.7	
Mechanical	Point	12.3	
Mechanical	Point	13.1	
Mechanical	Point	24.3	
Mechanical	Point	19.6	
Mechanical	Point	19.7	
Mechanical	Point	19.9	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	20.2	
Mechanical	Point	20.5	
Mechanical	Point	20.8	
Mechanical	Point	22.6	
Mechanical	Point	23.1	
Mechanical	Point	17.5	
Mechanical	Point	17.7	
Mechanical	Point	18.2	
Mechanical	Point	19.0	
Mechanical	Point	20.3	
Mechanical	Point	20.4	
Mechanical	Point	20.6	
Mechanical	Point	20.8	
Mechanical	Point	21.2	
Mechanical	Point	21.3	
Mechanical	Point	21.5	
Mechanical	Point	21.7	
Mechanical	Point	20.0	
Mechanical	Point	20.3	
Mechanical	Point	20.9	
Mechanical	Point	20.4	
Mechanical	Point	21.7	
Mechanical	Point	21.9	
Mechanical	Point	9.3	
Mechanical	Point	9.5	
Mechanical	Point	14.3	
Mechanical	Point	14.6	
Mechanical	Point	15.0	
Mechanical	Point	15.2	
Mechanical	Point	15.6	
Mechanical	Point	15.9	
Mechanical	Point	16.2	
Mechanical	Point	17.0	
Mechanical	Point	17.7	
Mechanical	Point	18.6	
Mechanical	Point	19.6	
Receiver R2 Fl 1.FL Leq,d 39.6 dB(A)			
Mechanical	Point	9.9	
Mechanical	Point	10.0	
Mechanical	Point	10.1	
Mechanical	Point	10.2	
Mechanical	Point	10.4	
Mechanical	Point	10.7	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	11.0	
Mechanical	Point	11.9	
Mechanical	Point	12.0	
Mechanical	Point	12.4	
Mechanical	Point	12.9	
Mechanical	Point	13.2	
Mechanical	Point	13.6	
Mechanical	Point	14.6	
Mechanical	Point	26.8	
Mechanical	Point	23.6	
Mechanical	Point	23.7	
Mechanical	Point	23.8	
Mechanical	Point	24.0	
Mechanical	Point	24.2	
Mechanical	Point	24.3	
Mechanical	Point	24.5	
Mechanical	Point	24.9	
Mechanical	Point	21.4	
Mechanical	Point	21.6	
Mechanical	Point	22.2	
Mechanical	Point	23.0	
Mechanical	Point	24.3	
Mechanical	Point	24.5	
Mechanical	Point	24.6	
Mechanical	Point	24.8	
Mechanical	Point	25.4	
Mechanical	Point	25.6	
Mechanical	Point	25.7	
Mechanical	Point	25.9	
Mechanical	Point	24.2	
Mechanical	Point	24.3	
Mechanical	Point	24.8	
Mechanical	Point	24.7	
Mechanical	Point	26.0	
Mechanical	Point	26.1	
Mechanical	Point	11.7	
Mechanical	Point	12.1	
Mechanical	Point	16.8	
Mechanical	Point	17.2	
Mechanical	Point	17.8	
Mechanical	Point	18.2	
Mechanical	Point	19.0	
Mechanical	Point	19.5	
Mechanical	Point	20.2	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	20.9	
Mechanical	Point	21.7	
Mechanical	Point	22.6	
Mechanical	Point	23.7	
Receiver R3 Fl GF Leq,d 29.0 dB(A)			
Mechanical	Point	6.6	
Mechanical	Point	6.8	
Mechanical	Point	7.0	
Mechanical	Point	7.3	
Mechanical	Point	7.1	
Mechanical	Point	7.3	
Mechanical	Point	7.5	
Mechanical	Point	8.4	
Mechanical	Point	8.6	
Mechanical	Point	8.8	
Mechanical	Point	9.1	
Mechanical	Point	9.9	
Mechanical	Point	11.0	
Mechanical	Point	12.4	
Mechanical	Point	20.8	
Mechanical	Point	11.6	
Mechanical	Point	12.1	
Mechanical	Point	12.5	
Mechanical	Point	13.1	
Mechanical	Point	13.7	
Mechanical	Point	16.4	
Mechanical	Point	17.3	
Mechanical	Point	16.2	
Mechanical	Point	10.0	
Mechanical	Point	10.1	
Mechanical	Point	10.3	
Mechanical	Point	10.4	
Mechanical	Point	11.0	
Mechanical	Point	11.2	
Mechanical	Point	11.3	
Mechanical	Point	11.4	
Mechanical	Point	10.3	
Mechanical	Point	10.8	
Mechanical	Point	11.1	
Mechanical	Point	11.5	
Mechanical	Point	10.3	
Mechanical	Point	10.9	
Mechanical	Point	11.4	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	9.9	
Mechanical	Point	10.1	
Mechanical	Point	10.5	
Mechanical	Point	7.9	
Mechanical	Point	8.2	
Mechanical	Point	8.4	
Mechanical	Point	8.6	
Mechanical	Point	8.8	
Mechanical	Point	9.3	
Mechanical	Point	9.6	
Mechanical	Point	9.9	
Mechanical	Point	10.1	
Mechanical	Point	10.3	
Mechanical	Point	10.5	
Mechanical	Point	10.8	
Mechanical	Point	11.0	
Receiver R4 Fl GF Leq,d 38.5 dB(A)			
Mechanical	Point	14.1	
Mechanical	Point	15.0	
Mechanical	Point	15.0	
Mechanical	Point	15.0	
Mechanical	Point	15.3	
Mechanical	Point	15.4	
Mechanical	Point	15.4	
Mechanical	Point	16.7	
Mechanical	Point	16.6	
Mechanical	Point	16.6	
Mechanical	Point	11.4	
Mechanical	Point	11.4	
Mechanical	Point	11.4	
Mechanical	Point	11.4	
Mechanical	Point	11.5	
Mechanical	Point	22.6	
Mechanical	Point	22.6	
Mechanical	Point	22.6	
Mechanical	Point	22.6	
Mechanical	Point	22.6	
Mechanical	Point	22.6	
Mechanical	Point	22.6	
Mechanical	Point	22.6	
Mechanical	Point	23.3	
Mechanical	Point	23.3	
Mechanical	Point	23.3	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	23.3	
Mechanical	Point	24.7	
Mechanical	Point	24.7	
Mechanical	Point	24.7	
Mechanical	Point	24.8	
Mechanical	Point	21.7	
Mechanical	Point	21.7	
Mechanical	Point	21.7	
Mechanical	Point	24.0	
Mechanical	Point	23.0	
Mechanical	Point	24.0	
Mechanical	Point	24.8	
Mechanical	Point	21.4	
Mechanical	Point	22.2	
Mechanical	Point	23.2	
Mechanical	Point	16.4	
Mechanical	Point	16.7	
Mechanical	Point	17.1	
Mechanical	Point	17.4	
Mechanical	Point	17.8	
Mechanical	Point	18.3	
Mechanical	Point	18.9	
Mechanical	Point	19.4	
Mechanical	Point	20.1	
Mechanical	Point	20.7	
Mechanical	Point	21.3	
Mechanical	Point	21.5	
Mechanical	Point	21.5	
Receiver R5 Fl GF Leq,d 35.5 dB(A)			
Mechanical	Point	21.8	
Mechanical	Point	21.5	
Mechanical	Point	21.1	
Mechanical	Point	20.7	
Mechanical	Point	21.4	
Mechanical	Point	21.0	
Mechanical	Point	21.5	
Mechanical	Point	2.0	
Mechanical	Point	1.8	
Mechanical	Point	1.3	
Mechanical	Point	1.1	
Mechanical	Point	1.1	
Mechanical	Point	19.1	
Mechanical	Point	18.7	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	18.4	
Mechanical	Point	0.9	
Mechanical	Point	0.7	
Mechanical	Point	0.6	
Mechanical	Point	0.5	
Mechanical	Point	0.4	
Mechanical	Point	0.3	
Mechanical	Point	0.3	
Mechanical	Point	0.2	
Mechanical	Point	20.8	
Mechanical	Point	20.4	
Mechanical	Point	20.3	
Mechanical	Point	20.2	
Mechanical	Point	20.7	
Mechanical	Point	20.2	
Mechanical	Point	19.7	
Mechanical	Point	19.2	
Mechanical	Point	20.9	
Mechanical	Point	20.8	
Mechanical	Point	20.7	
Mechanical	Point	20.6	
Mechanical	Point	20.3	
Mechanical	Point	19.6	
Mechanical	Point	19.0	
Mechanical	Point	21.1	
Mechanical	Point	20.8	
Mechanical	Point	20.2	
Mechanical	Point	2.3	
Mechanical	Point	2.1	
Mechanical	Point	2.0	
Mechanical	Point	1.9	
Mechanical	Point	1.8	
Mechanical	Point	1.7	
Mechanical	Point	19.6	
Mechanical	Point	19.7	
Mechanical	Point	19.7	
Mechanical	Point	19.8	
Mechanical	Point	1.1	
Mechanical	Point	1.0	
Mechanical	Point	1.0	
Receiver R6 Fl GF Leq,d 36.1 dB(A)			
Mechanical	Point	23.9	
Mechanical	Point	22.4	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	21.3	
Mechanical	Point	20.4	
Mechanical	Point	22.3	
Mechanical	Point	22.2	
Mechanical	Point	20.4	
Mechanical	Point	21.4	
Mechanical	Point	20.4	
Mechanical	Point	16.6	
Mechanical	Point	17.9	
Mechanical	Point	17.4	
Mechanical	Point	16.9	
Mechanical	Point	16.4	
Mechanical	Point	16.0	
Mechanical	Point	19.6	
Mechanical	Point	18.9	
Mechanical	Point	18.3	
Mechanical	Point	17.7	
Mechanical	Point	17.2	
Mechanical	Point	16.7	
Mechanical	Point	4.3	
Mechanical	Point	4.2	
Mechanical	Point	7.1	
Mechanical	Point	6.8	
Mechanical	Point	6.1	
Mechanical	Point	5.7	
Mechanical	Point	6.3	
Mechanical	Point	5.9	
Mechanical	Point	5.6	
Mechanical	Point	5.4	
Mechanical	Point	5.4	
Mechanical	Point	5.2	
Mechanical	Point	5.1	
Mechanical	Point	4.9	
Mechanical	Point	5.5	
Mechanical	Point	5.4	
Mechanical	Point	5.2	
Mechanical	Point	5.6	
Mechanical	Point	5.4	
Mechanical	Point	5.3	
Mechanical	Point	23.5	
Mechanical	Point	25.5	
Mechanical	Point	25.5	
Mechanical	Point	25.4	
Mechanical	Point	21.4	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	21.3	
Mechanical	Point	6.4	
Mechanical	Point	6.2	
Mechanical	Point	20.9	
Mechanical	Point	20.9	
Mechanical	Point	20.8	
Mechanical	Point	5.3	
Mechanical	Point	5.2	
Receiver R6 Fl 1.FL Leq,d 39.0 dB(A)			
Mechanical	Point	27.1	
Mechanical	Point	27.0	
Mechanical	Point	26.8	
Mechanical	Point	26.5	
Mechanical	Point	26.9	
Mechanical	Point	26.7	
Mechanical	Point	26.5	
Mechanical	Point	26.0	
Mechanical	Point	25.8	
Mechanical	Point	25.7	
Mechanical	Point	25.5	
Mechanical	Point	25.3	
Mechanical	Point	25.1	
Mechanical	Point	25.0	
Mechanical	Point	24.8	
Mechanical	Point	5.0	
Mechanical	Point	5.6	
Mechanical	Point	4.7	
Mechanical	Point	4.6	
Mechanical	Point	5.2	
Mechanical	Point	4.4	
Mechanical	Point	4.3	
Mechanical	Point	4.3	
Mechanical	Point	7.1	
Mechanical	Point	6.7	
Mechanical	Point	6.1	
Mechanical	Point	5.7	
Mechanical	Point	6.4	
Mechanical	Point	5.9	
Mechanical	Point	10.1	
Mechanical	Point	10.0	
Mechanical	Point	6.4	
Mechanical	Point	5.2	
Mechanical	Point	6.2	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	4.9	
Mechanical	Point	7.1	
Mechanical	Point	8.0	
Mechanical	Point	6.1	
Mechanical	Point	8.1	
Mechanical	Point	6.6	
Mechanical	Point	5.2	
Mechanical	Point	26.3	
Mechanical	Point	26.1	
Mechanical	Point	26.0	
Mechanical	Point	25.9	
Mechanical	Point	6.6	
Mechanical	Point	11.8	
Mechanical	Point	6.3	
Mechanical	Point	6.1	
Mechanical	Point	11.9	
Mechanical	Point	5.9	
Mechanical	Point	8.7	
Mechanical	Point	5.2	
Mechanical	Point	5.9	
Receiver R7 Fl GF Leq,d 35.6 dB(A)			
Mechanical	Point	23.0	
Mechanical	Point	22.9	
Mechanical	Point	22.9	
Mechanical	Point	22.8	
Mechanical	Point	22.2	
Mechanical	Point	21.5	
Mechanical	Point	20.8	
Mechanical	Point	19.5	
Mechanical	Point	19.4	
Mechanical	Point	19.4	
Mechanical	Point	19.4	
Mechanical	Point	19.4	
Mechanical	Point	15.3	
Mechanical	Point	15.1	
Mechanical	Point	15.0	
Mechanical	Point	15.4	
Mechanical	Point	15.4	
Mechanical	Point	15.4	
Mechanical	Point	15.4	
Mechanical	Point	10.0	
Mechanical	Point	9.9	
Mechanical	Point	9.9	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	9.9	
Mechanical	Point	1.1	
Mechanical	Point	1.0	
Mechanical	Point	1.0	
Mechanical	Point	20.3	
Mechanical	Point	0.9	
Mechanical	Point	0.8	
Mechanical	Point	0.8	
Mechanical	Point	19.1	
Mechanical	Point	20.4	
Mechanical	Point	18.0	
Mechanical	Point	15.8	
Mechanical	Point	17.9	
Mechanical	Point	20.4	
Mechanical	Point	19.8	
Mechanical	Point	19.1	
Mechanical	Point	19.8	
Mechanical	Point	20.4	
Mechanical	Point	20.2	
Mechanical	Point	19.8	
Mechanical	Point	19.3	
Mechanical	Point	18.8	
Mechanical	Point	18.4	
Mechanical	Point	18.0	
Mechanical	Point	17.6	
Mechanical	Point	17.1	
Mechanical	Point	16.9	
Mechanical	Point	13.4	
Mechanical	Point	13.4	
Mechanical	Point	13.3	
Mechanical	Point	13.3	
Mechanical	Point	13.2	
Receiver R7 Fl 1.FL Leq,d 38.3 dB(A)			
Mechanical	Point	23.2	
Mechanical	Point	23.1	
Mechanical	Point	23.1	
Mechanical	Point	23.0	
Mechanical	Point	23.0	
Mechanical	Point	22.9	
Mechanical	Point	22.7	
Mechanical	Point	22.3	
Mechanical	Point	22.2	
Mechanical	Point	22.3	

Sunset Vine 2
Calculated Noise Levels - 01 Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	22.3	
Mechanical	Point	22.2	
Mechanical	Point	22.0	
Mechanical	Point	21.4	
Mechanical	Point	21.1	
Mechanical	Point	20.8	
Mechanical	Point	20.7	
Mechanical	Point	20.7	
Mechanical	Point	20.7	
Mechanical	Point	19.8	
Mechanical	Point	19.6	
Mechanical	Point	19.5	
Mechanical	Point	19.4	
Mechanical	Point	2.1	
Mechanical	Point	2.3	
Mechanical	Point	2.5	
Mechanical	Point	20.6	
Mechanical	Point	1.1	
Mechanical	Point	1.0	
Mechanical	Point	0.9	
Mechanical	Point	20.4	
Mechanical	Point	20.7	
Mechanical	Point	20.7	
Mechanical	Point	20.7	
Mechanical	Point	20.7	
Mechanical	Point	20.7	
Mechanical	Point	20.5	
Mechanical	Point	20.4	
Mechanical	Point	20.8	
Mechanical	Point	20.8	
Mechanical	Point	20.6	
Mechanical	Point	22.5	
Mechanical	Point	22.3	
Mechanical	Point	22.2	
Mechanical	Point	22.1	
Mechanical	Point	21.9	
Mechanical	Point	21.8	
Mechanical	Point	21.6	
Mechanical	Point	21.5	
Mechanical	Point	21.3	
Mechanical	Point	21.2	
Mechanical	Point	21.0	
Mechanical	Point	20.9	
Mechanical	Point	20.8	

Sunset Vine 2
Source Levels in dB(A) - 03 People

Name	Source type	Lw dB(A)	
People - East Courtyard	Area	92.1	
People - West Courtyard	Area	96.8	

Sunset Vine 2
Calculated Noise Levels - 03 People

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl GF Leq,d 54.3 dB(A)			
People - West Courtyard	Area	31.2	
People - East Courtyard	Area	54.3	
Receiver R1 Fl 1.FL Leq,d 56.6 dB(A)			
People - West Courtyard	Area	32.0	
People - East Courtyard	Area	56.6	
Receiver R2 Fl GF Leq,d 33.9 dB(A)			
People - West Courtyard	Area	26.7	
People - East Courtyard	Area	33.0	
Receiver R2 Fl 1.FL Leq,d 43.2 dB(A)			
People - West Courtyard	Area	27.2	
People - East Courtyard	Area	43.1	
Receiver R3 Fl GF Leq,d 27.5 dB(A)			
People - West Courtyard	Area	22.6	
People - East Courtyard	Area	25.8	
Receiver R4 Fl GF Leq,d 30.5 dB(A)			
People - West Courtyard	Area	30.0	
People - East Courtyard	Area	21.3	
Receiver R5 Fl GF Leq,d 32.3 dB(A)			
People - West Courtyard	Area	32.3	
People - East Courtyard	Area	13.7	
Receiver R6 Fl GF Leq,d 41.3 dB(A)			
People - West Courtyard	Area	41.2	
People - East Courtyard	Area	19.6	
Receiver R6 Fl 1.FL Leq,d 46.5 dB(A)			
People - West Courtyard	Area	46.5	
People - East Courtyard	Area	18.5	
Receiver R7 Fl GF Leq,d 28.2 dB(A)			
People - West Courtyard	Area	27.8	
People - East Courtyard	Area	17.4	
Receiver R7 Fl 1.FL Leq,d 39.4 dB(A)			
People - West Courtyard	Area	39.4	
People - East Courtyard	Area	17.1	

Sunset Vine 2
Calculated Noise Levels - 04 Speakers

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl GF Leq,d 55.6 dB(A)			
Speakers	Point	8.2	
Speakers	Point	8.2	
Speakers	Point	8.6	
Speakers	Point	12.3	
Speakers	Point	13.3	
Speakers	Point	16.5	
Speakers	Point	17.3	
Speakers	Point	27.8	
Speakers	Point	52.9	
Speakers	Point	46.5	
Speakers	Point	50.8	
Receiver R1 Fl 1.FL Leq,d 55.9 dB(A)			
Speakers	Point	7.8	
Speakers	Point	7.5	
Speakers	Point	7.5	
Speakers	Point	18.8	
Speakers	Point	18.4	
Speakers	Point	19.7	
Speakers	Point	19.9	
Speakers	Point	28.5	
Speakers	Point	52.0	
Speakers	Point	48.0	
Speakers	Point	52.1	
Receiver R2 Fl GF Leq,d 34.8 dB(A)			
Speakers	Point	13.2	
Speakers	Point	11.6	
Speakers	Point	10.3	
Speakers	Point	8.8	
Speakers	Point	9.2	
Speakers	Point	9.7	
Speakers	Point	11.2	
Speakers	Point	10.3	
Speakers	Point	32.2	
Speakers	Point	23.8	
Speakers	Point	30.1	
Receiver R2 Fl 1.FL Leq,d 37.6 dB(A)			
Speakers	Point	13.3	
Speakers	Point	11.7	
Speakers	Point	10.4	
Speakers	Point	9.1	
Speakers	Point	9.5	
Speakers	Point	10.1	

Sunset Vine 2
Calculated Noise Levels - 04 Speakers

Source	Source type	Leq,d dB(A)	
Speakers	Point	19.7	
Speakers	Point	11.4	
Speakers	Point	36.0	
Speakers	Point	24.8	
Speakers	Point	31.1	
Receiver R3 Fl GF Leq,d 30.1 dB(A)			
Speakers	Point	8.0	
Speakers	Point	6.7	
Speakers	Point	5.8	
Speakers	Point	4.9	
Speakers	Point	4.9	
Speakers	Point	5.0	
Speakers	Point	5.3	
Speakers	Point	5.9	
Speakers	Point	27.3	
Speakers	Point	19.8	
Speakers	Point	25.4	
Receiver R4 Fl GF Leq,d 27.2 dB(A)			
Speakers	Point	19.3	
Speakers	Point	16.3	
Speakers	Point	14.3	
Speakers	Point	15.6	
Speakers	Point	3.2	
Speakers	Point	2.9	
Speakers	Point	2.9	
Speakers	Point	5.3	
Speakers	Point	21.7	
Speakers	Point	10.7	
Speakers	Point	22.3	
Receiver R5 Fl GF Leq,d 36.3 dB(A)			
Speakers	Point	24.2	
Speakers	Point	25.5	
Speakers	Point	25.9	
Speakers	Point	23.1	
Speakers	Point	22.7	
Speakers	Point	33.9	
Speakers	Point	22.5	
Speakers	Point	23.0	
Speakers	Point	6.3	
Speakers	Point	1.2	
Speakers	Point	8.1	
Receiver R6 Fl GF Leq,d 42.3 dB(A)			
Speakers	Point	35.7	

Sunset Vine 2
Calculated Noise Levels - 04 Speakers

Source	Source type	Leq,d dB(A)	
Speakers	Point	37.8	
Speakers	Point	37.2	
Speakers	Point	29.6	
Speakers	Point	24.2	
Speakers	Point	29.2	
Speakers	Point	17.9	
Speakers	Point	18.4	
Speakers	Point	5.2	
Speakers	Point	6.3	
Speakers	Point	16.3	
Receiver R6 Fl 1.FL Leq,d 45.1 dB(A)			
Speakers	Point	38.0	
Speakers	Point	38.5	
Speakers	Point	39.1	
Speakers	Point	30.7	
Speakers	Point	33.6	
Speakers	Point	38.1	
Speakers	Point	22.4	
Speakers	Point	26.4	
Speakers	Point	4.6	
Speakers	Point	4.8	
Speakers	Point	15.3	
Receiver R7 Fl GF Leq,d 29.4 dB(A)			
Speakers	Point	15.1	
Speakers	Point	15.3	
Speakers	Point	12.8	
Speakers	Point	20.0	
Speakers	Point	18.4	
Speakers	Point	17.9	
Speakers	Point	25.9	
Speakers	Point	20.1	
Speakers	Point	15.7	
Speakers	Point	2.4	
Speakers	Point	14.8	
Receiver R7 Fl 1.FL Leq,d 43.8 dB(A)			
Speakers	Point	17.6	
Speakers	Point	17.1	
Speakers	Point	16.4	
Speakers	Point	27.8	
Speakers	Point	21.5	
Speakers	Point	31.6	
Speakers	Point	42.7	
Speakers	Point	34.3	

Sunset Vine 2
Calculated Noise Levels - 04 Speakers

Source	Source type	Leq,d dB(A)	
Speakers	Point	15.7	
Speakers	Point	2.7	
Speakers	Point	15.2	

Sunset Vine 2
Source Levels in dB(A) - 04 Speakers

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

AES
ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: Sunset & Vine

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

PHV to ADT factor 10%

EXISTING CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vine Street										
- Between Hollywood Blvd. and Sunset Blvd.	70	10	45	35	2,455	24,550	10%	0	0	68.7
- Between Sunset Blvd. and Leland Way	70	10	45	35	2,533	25,330	10%	0	0	68.8
- Between Leland Way and De Longpre Ave.	70	10	45	35	2,359	23,590	10%	0	0	68.5
- Between De Longpre Ave. and Fountain Ave.	70	10	45	35	2,328	23,280	10%	0	0	68.4
El Centro Avenue										
- Between Sunset Blvd. and Leland Way	30	10	25	25	485	4,850	10%	0	0	61.1
- Between Leland Way and De Longpre Ave.	30	10	25	25	467	4,670	10%	0	0	60.9
Sunset Boulevard										
- Between Cahuenga Blvd. and Vine St.	70	10	45	35	2,800	28,000	10%	0	0	69.2
- Between Vine St. and El Centro Ave.	70	10	45	35	3,058	30,580	10%	0	0	69.6
Leland Way										
- Between Vine St. and El Centro Ave.	30	10	25	25	277	2,770	10%	0	0	58.7
De Longpre Avenue										
- Between Cahuenga Blvd. and Vine St.	30	10	25	30	300	3,000	10%	0	0	60.6
- Between Vine St. and El Centro Ave.	30	10	25	30	183	1,830	10%	0	0	58.5

* Estimated based on Google Earth map.

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

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ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: Sunset & Vine

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

PHV to ADT factor 10%

EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vine Street										
- Between Hollywood Blvd. and Sunset Blvd.	70	10	45	35	2,468	24,680	10%	0	0	68.7
- Between Sunset Blvd. and Leland Way	70	10	45	35	2,563	25,630	10%	0	0	68.8
- Between Leland Way and De Longpre Ave.	70	10	45	35	2,388	23,880	10%	0	0	68.5
- Between De Longpre Ave. and Fountain Ave.	70	10	45	35	2,344	23,440	10%	0	0	68.5
El Centro Avenue										
- Between Sunset Blvd. and Leland Way	30	10	25	25	493	4,930	10%	0	0	61.2
- Between Leland Way and De Longpre Ave.	30	10	25	25	483	4,830	10%	0	0	61.1
Sunset Boulevard										
- Between Cahuenga Blvd. and Vine St.	70	10	45	35	2,813	28,130	10%	0	0	69.2
- Between Vine St. and El Centro Ave.	70	10	45	35	3,063	30,630	10%	0	0	69.6
Leland Way										
- Between Vine St. and El Centro Ave.	30	10	25	25	314	3,140	10%	0	0	59.2
De Longpre Avenue										
- Between Cahuenga Blvd. and Vine St.	30	10	25	30	313	3,130	10%	0	0	60.8
- Between Vine St. and El Centro Ave.	30	10	25	30	183	1,830	10%	0	0	58.5

* Estimated based on Google Earth map.

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

Date Printed: 6/24/2024

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EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL

Date Printed: 6/24/2024

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ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: Sunset & Vine

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

PHV to ADT factor 10%

FUTURE NO PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vine Street										
- Between Hollywood Blvd. and Sunset Blvd.	70	10	45	35	3,111	31,110	10%	0	0	69.7
- Between Sunset Blvd. and Leland Way	70	10	45	35	3,273	32,730	10%	0	0	69.9
- Between Leland Way and De Longpre Ave.	70	10	45	35	3,129	31,290	10%	0	0	69.7
- Between De Longpre Ave. and Fountain Ave.	70	10	45	35	2,981	29,810	10%	0	0	69.5
El Centro Avenue										
- Between Sunset Blvd. and Leland Way	30	10	25	25	583	5,830	10%	0	0	61.9
- Between Leland Way and De Longpre Ave.	30	10	25	25	553	5,530	10%	0	0	61.7
Sunset Boulevard										
- Between Cahuenga Blvd. and Vine St.	70	10	45	35	3,130	31,300	10%	0	0	69.7
- Between Vine St. and El Centro Ave.	70	10	45	35	3,421	34,210	10%	0	0	70.1
Leland Way										
- Between Vine St. and El Centro Ave.	30	10	25	25	368	3,680	10%	0	0	59.9
De Longpre Avenue										
- Between Cahuenga Blvd. and Vine St.	30	10	25	30	455	4,550	10%	0	0	62.4
- Between Vine St. and El Centro Ave.	30	10	25	30	281	2,810	10%	0	0	60.3

* Estimated based on Google Earth map.

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

Date Printed: 6/24/2024

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FUTURE NO PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL

Date Printed: 6/24/2024

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ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: Sunset & Vine

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

PHV to ADT factor 10%

FUTURE PLUS PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vine Street										
- Between Hollywood Blvd. and Sunset Blvd.	70	10	45	35	3,124	31,240	10%	0	0	69.7
- Between Sunset Blvd. and Leland Way	70	10	45	35	3,303	33,030	10%	0	0	69.9
- Between Leland Way and De Longpre Ave.	70	10	45	35	3,158	31,580	10%	0	0	69.7
- Between De Longpre Ave. and Fountain Ave.	70	10	45	35	2,997	29,970	10%	0	0	69.5
El Centro Avenue										
- Between Sunset Blvd. and Leland Way	30	10	25	25	591	5,910	10%	0	0	62.0
- Between Leland Way and De Longpre Ave.	30	10	25	25	569	5,690	10%	0	0	61.8
Sunset Boulevard										
- Between Cahuenga Blvd. and Vine St.	70	10	45	35	3,143	31,430	10%	0	0	69.7
- Between Vine St. and El Centro Ave.	70	10	45	35	3,426	34,260	10%	0	0	70.1
Leland Way										
- Between Vine St. and El Centro Ave.	30	10	25	25	405	4,050	10%	0	0	60.3
De Longpre Avenue										
- Between Cahuenga Blvd. and Vine St.	30	10	25	30	468	4,680	10%	0	0	62.6
- Between Vine St. and El Centro Ave.	30	10	25	30	281	2,810	10%	0	0	60.3

* Estimated based on Google Earth map.

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

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FUTURE PLUS PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL

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