Appendix J

Noise Calculation Worksheets

TVCity 2050 Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

Ambient Noise Measurements

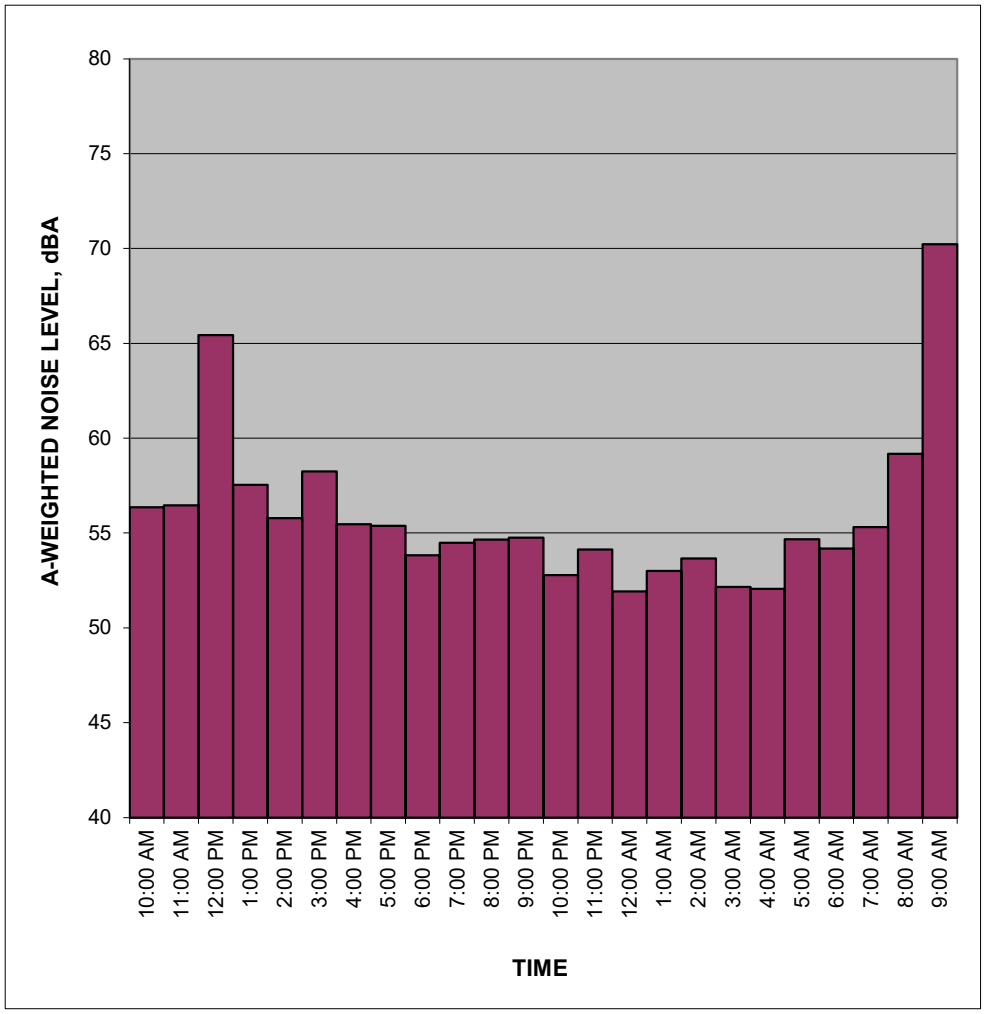
Measured Ambient Noise Levels

AES
Acoustical Engineering Services

Project: TVCity
Location: R1
Sources: Ambient

Date: 8/9 - 8/10/2021

TIME	HNL, dB(A)
10:00 AM	56.4
11:00 AM	56.5
12:00 PM	65.4
1:00 PM	57.5
2:00 PM	55.8
3:00 PM	58.2
4:00 PM	55.5
5:00 PM	55.4
6:00 PM	53.8
7:00 PM	54.5
8:00 PM	54.6
9:00 PM	54.7
10:00 PM	52.8
11:00 PM	54.1
12:00 AM	51.9
1:00 AM	53.0
2:00 AM	53.7
3:00 AM	52.2
4:00 AM	52.1
5:00 AM	54.7
6:00 AM	54.2
7:00 AM	55.3
8:00 AM	59.2
9:00 AM	70.2
CNEL, dB(A):	**62.3**



NOTES:

Daytime average	61.1	dBA Leq
Nighttime average	53.3	dBA Leq

AES
Acoustical Engineering Services

Project: TVCity
Location: R2
Date: 8/9/2021

Time	Leq
10:03:08 AM	57.2
10:03:18 AM	54.7
10:03:28 AM	53.2
10:03:38 AM	54.4
10:03:48 AM	65
10:03:58 AM	65.5
10:04:08 AM	60.4
10:04:18 AM	67
10:04:28 AM	56.5
10:04:38 AM	58
10:04:48 AM	56.1
10:04:58 AM	53.3
10:05:08 AM	55.2
10:05:18 AM	65
10:05:28 AM	62.2
10:05:38 AM	67
10:05:48 AM	61
10:05:58 AM	59.5
10:06:08 AM	57.2
10:06:18 AM	61.1
10:06:28 AM	59.9
10:06:38 AM	56.9
10:06:48 AM	57.1
10:06:58 AM	59
10:07:08 AM	60.7
10:07:18 AM	55.4
10:07:28 AM	58.7
10:07:38 AM	66.3
10:07:48 AM	61.6
10:07:58 AM	65.7
10:08:08 AM	55
10:08:18 AM	59.3
10:08:28 AM	60.5
10:08:38 AM	56.3
10:08:48 AM	58
10:08:58 AM	57.8
10:09:08 AM	64
10:09:18 AM	64.6
10:09:28 AM	64.1
10:09:38 AM	61.9

10:09:48 AM	57.3
10:09:58 AM	56
10:10:08 AM	57.4
10:10:18 AM	53.1
10:10:28 AM	49.9
10:10:38 AM	50.5
10:10:48 AM	52.5
10:10:58 AM	61.3
10:11:08 AM	62.3
10:11:18 AM	58.5
10:11:28 AM	56.8
10:11:38 AM	57.2
10:11:48 AM	62.2
10:11:58 AM	64.1
10:12:08 AM	53.6
10:12:18 AM	56.2
10:12:28 AM	61.1
10:12:38 AM	57.3
10:12:48 AM	54
10:12:58 AM	62.1
10:13:08 AM	63.7
10:13:18 AM	62.8
10:13:28 AM	64.3
10:13:38 AM	52.9
10:13:48 AM	63
10:13:58 AM	63
10:14:08 AM	58.6
10:14:18 AM	53.5
10:14:28 AM	62.1
10:14:38 AM	74.4
10:14:48 AM	58
10:14:58 AM	65.8
10:15:08 AM	61.5
10:15:18 AM	65.8
10:15:28 AM	62.9
10:15:38 AM	60
10:15:48 AM	66.8
10:15:58 AM	59
10:16:08 AM	62.5
10:16:18 AM	67.2
10:16:28 AM	55.6
10:16:38 AM	55
10:16:48 AM	62.4
10:16:58 AM	58.6
10:17:08 AM	56.1

10:17:18 AM	63.1
10:17:28 AM	60.4
10:17:38 AM	53.1
10:17:48 AM	74.1
10:17:58 AM	56.3
	62.8

Time	Leq
10:00:21 PM	48.9
10:00:31 PM	57.7
10:00:41 PM	68.1
10:00:51 PM	52.6
10:01:01 PM	64.2
10:01:11 PM	46.1
10:01:21 PM	65.8
10:01:31 PM	60.3
10:01:41 PM	55.5
10:01:51 PM	59.7
10:02:01 PM	61.5
10:02:11 PM	47.7
10:02:21 PM	61.6
10:02:31 PM	54.4
10:02:41 PM	48.2
10:02:51 PM	45
10:03:01 PM	46.9
10:03:11 PM	62.4
10:03:21 PM	53.4
10:03:31 PM	51.5
10:03:41 PM	58.8
10:03:51 PM	45.6
10:04:01 PM	59.2
10:04:11 PM	67
10:04:21 PM	66.1
10:04:31 PM	55.8
10:04:41 PM	46
10:04:51 PM	54.1
10:05:01 PM	51
10:05:11 PM	63.6
10:05:21 PM	59.9
10:05:31 PM	49.2
10:05:41 PM	61.6
10:05:51 PM	61.3
10:06:01 PM	45.1
10:06:11 PM	45.1
10:06:21 PM	46

10:06:31 PM	45.4
10:06:41 PM	46.5
10:06:51 PM	52.2
10:07:01 PM	62.4
10:07:11 PM	61.4
10:07:21 PM	59.8
10:07:31 PM	62
10:07:41 PM	53
10:07:51 PM	49.1
10:08:01 PM	64.1
10:08:11 PM	60.7
10:08:21 PM	58.4
10:08:31 PM	46.2
10:08:41 PM	46.7
10:08:51 PM	64.3
10:09:01 PM	61.2
10:09:11 PM	48
10:09:21 PM	58.3
10:09:31 PM	64
10:09:41 PM	56.9
10:09:51 PM	54
10:10:01 PM	45.6
10:10:11 PM	45.2
10:10:21 PM	46.7
10:10:31 PM	46.1
10:10:41 PM	71.5
10:10:51 PM	65.3
10:11:01 PM	62.9
10:11:11 PM	48.6
10:11:21 PM	46.4
10:11:31 PM	64.6
10:11:41 PM	50.8
10:11:51 PM	42.9
10:12:01 PM	43.9
10:12:11 PM	47.6
10:12:21 PM	61.2
10:12:31 PM	64.4
10:12:41 PM	56.2
10:12:51 PM	44.9
10:13:01 PM	45.3
10:13:11 PM	53.7
10:13:21 PM	65.2
10:13:31 PM	62
10:13:41 PM	45.2
10:13:51 PM	58.3

10:14:01 PM	59.6
10:14:11 PM	66.1
10:14:21 PM	61
10:14:31 PM	62.9
10:14:41 PM	63.5
10:14:51 PM	52.3
10:15:01 PM	62.8
10:15:11 PM	60.2
	60.7

AES
Acoustical Engineering Services

Project: TVCity
Location: R3
Date: 8/9/2021

Time	Leq
10:40:46 AM	63.3
10:40:56 AM	62.6
10:41:06 AM	65
10:41:16 AM	68.8
10:41:26 AM	72.9
10:41:36 AM	70
10:41:46 AM	69.7
10:41:56 AM	69.6
10:42:06 AM	67.5
10:42:16 AM	66
10:42:26 AM	69
10:42:36 AM	68.8
10:42:46 AM	70
10:42:56 AM	68.5
10:43:06 AM	67.5
10:43:16 AM	68.3
10:43:26 AM	68.1
10:43:36 AM	59
10:43:46 AM	60.3
10:43:56 AM	67
10:44:06 AM	63.7
10:44:16 AM	69.2
10:44:26 AM	71.1
10:44:36 AM	71.3
10:44:46 AM	69.2
10:44:56 AM	70.5
10:45:06 AM	65.3
10:45:16 AM	60.7
10:45:26 AM	60.8
10:45:36 AM	60.4
10:45:46 AM	68.2
10:45:56 AM	70.4
10:46:06 AM	66.5
10:46:16 AM	64.2
10:46:26 AM	67.3
10:46:36 AM	66.5
10:46:46 AM	60.8
10:46:56 AM	62.4
10:47:06 AM	60.4
10:47:16 AM	65.5

10:47:26 AM	67.5
10:47:36 AM	68.2
10:47:46 AM	70
10:47:56 AM	70.3
10:48:06 AM	62.2
10:48:16 AM	65.9
10:48:26 AM	65.2
10:48:36 AM	64.2
10:48:46 AM	69.5
10:48:56 AM	71.9
10:49:06 AM	70.5
10:49:16 AM	70.9
10:49:26 AM	69.3
10:49:36 AM	71
10:49:46 AM	67.4
10:49:56 AM	61.5
10:50:06 AM	62.4
10:50:16 AM	67.3
10:50:26 AM	71.4
10:50:36 AM	71.8
10:50:46 AM	73.5
10:50:56 AM	69.5
10:51:06 AM	63
10:51:16 AM	67.4
10:51:26 AM	67.1
10:51:36 AM	67.8
10:51:46 AM	69.5
10:51:56 AM	72.2
10:52:06 AM	68.5
10:52:16 AM	70.6
10:52:26 AM	70.9
10:52:36 AM	69.2
10:52:46 AM	64.5
10:52:56 AM	70.6
10:53:06 AM	61.4
10:53:16 AM	68.7
10:53:26 AM	70.1
10:53:36 AM	70.7
10:53:46 AM	71.1
10:53:56 AM	68.9
10:54:06 AM	62.7
10:54:16 AM	62.3
10:54:26 AM	65.7
10:54:36 AM	64.8
10:54:46 AM	70

10:54:56 AM	70.5
10:55:06 AM	70.2
10:55:16 AM	71.6
10:55:26 AM	67.6
10:55:36 AM	64.7
	68.5

Time	Leq
10:37:33 PM	68.2
10:37:43 PM	64.7
10:37:53 PM	60.9
10:38:03 PM	67.4
10:38:13 PM	61.8
10:38:23 PM	68.2
10:38:33 PM	70.7
10:38:43 PM	61.8
10:38:53 PM	62.7
10:39:03 PM	67
10:39:13 PM	68.8
10:39:23 PM	65.2
10:39:33 PM	66.7
10:39:43 PM	66.6
10:39:53 PM	66.8
10:40:03 PM	68
10:40:13 PM	66.8
10:40:23 PM	64.2
10:40:33 PM	65.1
10:40:43 PM	71.6
10:40:53 PM	68.8
10:41:03 PM	61.2
10:41:13 PM	58.9
10:41:23 PM	65
10:41:33 PM	67
10:41:43 PM	68.6
10:41:53 PM	65.8
10:42:03 PM	65.9
10:42:13 PM	60.7
10:42:23 PM	69.7
10:42:33 PM	68.5
10:42:43 PM	68
10:42:53 PM	72.2
10:43:03 PM	69.5
10:43:13 PM	64.7
10:43:23 PM	59.1
10:43:33 PM	59.1

10:43:43 PM	65
10:43:53 PM	69
10:44:03 PM	69.2
10:44:13 PM	59.7
10:44:23 PM	66.1
10:44:33 PM	68.2
10:44:43 PM	68.5
10:44:53 PM	71.8
10:45:03 PM	68.5
10:45:13 PM	60
10:45:23 PM	58.8
10:45:33 PM	64.5
10:45:43 PM	64.5
10:45:53 PM	68.6
10:46:03 PM	70.4
10:46:13 PM	66.5
10:46:23 PM	61.7
10:46:33 PM	64.7
10:46:43 PM	68
10:46:53 PM	63.8
10:47:03 PM	66.6
10:47:13 PM	59.6
10:47:23 PM	71.2
10:47:33 PM	72.5
10:47:43 PM	67.7
10:47:53 PM	69.1
10:48:03 PM	70.6
10:48:13 PM	64.7
10:48:23 PM	70.7
10:48:33 PM	64.5
10:48:43 PM	61
10:48:53 PM	66.4
10:49:03 PM	73
10:49:13 PM	66.7
10:49:23 PM	62
10:49:33 PM	63.2
10:49:43 PM	67.5
10:49:53 PM	63.2
10:50:03 PM	61.3
10:50:13 PM	68.4
10:50:23 PM	71
10:50:33 PM	66.7
10:50:43 PM	67
10:50:53 PM	70.2
10:51:03 PM	62.6

10:51:13 PM	58.9
10:51:23 PM	64.8
10:51:33 PM	62.7
10:51:43 PM	66
10:51:53 PM	70.9
10:52:03 PM	69.1
10:52:13 PM	72.6
10:52:23 PM	66.2
	67.5

AES
Acoustical Engineering Services

Project: TVCity
Location: R4
Date: 8/9/2021

Time	Leq
10:22:30 AM	64.4
10:22:40 AM	62
10:22:50 AM	56.2
10:23:00 AM	61.8
10:23:10 AM	62.7
10:23:20 AM	68.4
10:23:30 AM	67.3
10:23:40 AM	67.9
10:23:50 AM	67.9
10:24:00 AM	61.5
10:24:10 AM	60.7
10:24:20 AM	53.4
10:24:30 AM	54.3
10:24:40 AM	63.7
10:24:50 AM	69.1
10:25:00 AM	69.3
10:25:10 AM	68.2
10:25:20 AM	67.6
10:25:30 AM	64
10:25:40 AM	62.5
10:25:50 AM	53.9
10:26:00 AM	53.2
10:26:10 AM	64
10:26:20 AM	67.5
10:26:30 AM	67.9
10:26:40 AM	66.6
10:26:50 AM	58
10:27:00 AM	61.8
10:27:10 AM	65.2
10:27:20 AM	62.9
10:27:30 AM	66.5
10:27:40 AM	70.9
10:27:50 AM	69.7
10:28:00 AM	67
10:28:10 AM	65.5
10:28:20 AM	66.8
10:28:30 AM	63.1
10:28:40 AM	57.6
10:28:50 AM	55.3
10:29:00 AM	58.2

10:29:10 AM	67.5
10:29:20 AM	72.6
10:29:30 AM	71
10:29:40 AM	69.5
10:29:50 AM	68.4
10:30:00 AM	72.5
10:30:10 AM	65.7
10:30:20 AM	63
10:30:30 AM	67.7
10:30:40 AM	72.7
10:30:50 AM	70.1
10:31:00 AM	74.4
10:31:10 AM	70.2
10:31:20 AM	67.5
10:31:30 AM	62
10:31:40 AM	62.7
10:31:50 AM	53.2
10:32:00 AM	61
10:32:10 AM	64.3
10:32:20 AM	69.6
10:32:30 AM	68.2
10:32:40 AM	68.3
10:32:50 AM	68.9
10:33:00 AM	65.3
10:33:10 AM	56.2
10:33:20 AM	55
10:33:30 AM	54.6
10:33:40 AM	68.2
10:33:50 AM	72.1
10:34:00 AM	69.6
10:34:10 AM	66.6
10:34:20 AM	64.3
10:34:30 AM	66.1
10:34:40 AM	61.7
10:34:50 AM	69.2
10:35:00 AM	72.5
10:35:10 AM	70.3
10:35:20 AM	72.6
10:35:30 AM	70
10:35:40 AM	68.9
10:35:50 AM	69.8
10:36:00 AM	61.5
10:36:10 AM	57
10:36:20 AM	54.6
10:36:30 AM	57.7

10:36:40 AM	68.8
10:36:50 AM	75.8
10:37:00 AM	66.9
10:37:10 AM	70.1
10:37:20 AM	66.7
	67.7

Time	Leq
10:19:54 PM	69.5
10:20:04 PM	63.3
10:20:14 PM	66.4
10:20:24 PM	62
10:20:34 PM	65
10:20:44 PM	67.4
10:20:54 PM	68
10:21:04 PM	63.6
10:21:14 PM	64.5
10:21:24 PM	68.7
10:21:34 PM	67.4
10:21:44 PM	63
10:21:54 PM	72.5
10:22:04 PM	58.3
10:22:14 PM	57.3
10:22:24 PM	62.5
10:22:34 PM	65.8
10:22:44 PM	63.2
10:22:54 PM	65.1
10:23:04 PM	65.7
10:23:14 PM	56.5
10:23:24 PM	60.7
10:23:34 PM	60.5
10:23:44 PM	66.8
10:23:54 PM	68.5
10:24:04 PM	65.4
10:24:14 PM	62.4
10:24:24 PM	65.4
10:24:34 PM	68.5
10:24:44 PM	65.9
10:24:54 PM	53.5
10:25:04 PM	52.4
10:25:14 PM	69
10:25:24 PM	67.4
10:25:34 PM	60.2
10:25:44 PM	55.5
10:25:54 PM	64.2

10:26:04 PM	69.8
10:26:14 PM	70
10:26:24 PM	71.1
10:26:34 PM	67.4
10:26:44 PM	65.1
10:26:54 PM	58
10:27:04 PM	59.3
10:27:14 PM	52.7
10:27:24 PM	51.7
10:27:34 PM	64.7
10:27:44 PM	70.5
10:27:54 PM	67.6
10:28:04 PM	68.8
10:28:14 PM	65.2
10:28:24 PM	62.7
10:28:34 PM	65.8
10:28:44 PM	61.4
10:28:54 PM	61
10:29:04 PM	66.4
10:29:14 PM	68.7
10:29:24 PM	64.3
10:29:34 PM	60.8
10:29:44 PM	59.7
10:29:54 PM	57.8
10:30:04 PM	66.4
10:30:14 PM	66.5
10:30:24 PM	62.8
10:30:34 PM	68.2
10:30:44 PM	62.5
10:30:54 PM	70.3
10:31:04 PM	70
10:31:14 PM	62.2
10:31:24 PM	61
10:31:34 PM	61.8
10:31:44 PM	65.9
10:31:54 PM	66.1
10:32:04 PM	59.3
10:32:14 PM	58.6
10:32:24 PM	62.5
10:32:34 PM	69.8
10:32:44 PM	70.9
10:32:54 PM	61.7
10:33:04 PM	63.7
10:33:14 PM	65.3
10:33:24 PM	60.6

10:33:34 PM	62
10:33:44 PM	66.1
10:33:54 PM	68.2
10:34:04 PM	67
10:34:14 PM	56.6
10:34:24 PM	53.9
10:34:34 PM	52.1
10:34:44 PM	64.8
	65.8

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity
Location: R5
Date: 8/9/2021

Time	Leq
11:00:14 AM	54.9
11:00:24 AM	55.2
11:00:34 AM	52.4
11:00:44 AM	49.1
11:00:54 AM	52.6
11:01:04 AM	58.8
11:01:14 AM	63.1
11:01:24 AM	58.2
11:01:34 AM	55.5
11:01:44 AM	50.5
11:01:54 AM	49.1
11:02:04 AM	51.8
11:02:14 AM	54
11:02:24 AM	55.9
11:02:34 AM	57.3
11:02:44 AM	58.2
11:02:54 AM	56.6
11:03:04 AM	55.9
11:03:14 AM	54.5
11:03:24 AM	53.6
11:03:34 AM	54
11:03:44 AM	52.3
11:03:54 AM	52.1
11:04:04 AM	59.7
11:04:14 AM	60.9
11:04:24 AM	61.9
11:04:34 AM	67
11:04:44 AM	65.4
11:04:54 AM	61.9
11:05:04 AM	58.6
11:05:14 AM	57.6
11:05:24 AM	54.7
11:05:34 AM	57.3
11:05:44 AM	63.3
11:05:54 AM	58.7
11:06:04 AM	61.7
11:06:14 AM	51.4
11:06:24 AM	53.7
11:06:34 AM	55.5
11:06:44 AM	55.4

11:06:54 AM	56.1
11:07:04 AM	59.2
11:07:14 AM	57.4
11:07:24 AM	58.2
11:07:34 AM	61.2
11:07:44 AM	55.7
11:07:54 AM	52.7
11:08:04 AM	54.3
11:08:14 AM	54.9
11:08:24 AM	54.7
11:08:34 AM	59.5
11:08:44 AM	58.3
11:08:54 AM	58.8
11:09:04 AM	58.4
11:09:14 AM	56.5
11:09:24 AM	61
11:09:34 AM	57.7
11:09:44 AM	61.7
11:09:54 AM	65.9
11:10:04 AM	67.2
11:10:14 AM	58.9
11:10:24 AM	56.5
11:10:34 AM	52.1
11:10:44 AM	56.1
11:10:54 AM	60.2
11:11:04 AM	59.8
11:11:14 AM	58.7
11:11:24 AM	55.7
11:11:34 AM	56.8
11:11:44 AM	56.5
11:11:54 AM	58.7
11:12:04 AM	60
11:12:14 AM	56.7
11:12:24 AM	55.5
11:12:34 AM	54.6
11:12:44 AM	55.2
11:12:54 AM	52.1
11:13:04 AM	62.5
11:13:14 AM	62.8
11:13:24 AM	59
11:13:34 AM	55.2
11:13:44 AM	56.8
11:13:54 AM	58.1
11:14:04 AM	56.2
11:14:14 AM	54.4

11:14:24 AM	56.7
11:14:34 AM	56
11:14:44 AM	57.2
11:14:54 AM	58.5
11:15:04 AM	55.4
	58.9

Time	Leq
10:55:45 PM	51.7
10:55:55 PM	49.7
10:56:05 PM	64.2
10:56:15 PM	71
10:56:25 PM	56.8
10:56:35 PM	51.2
10:56:45 PM	55.7
10:56:55 PM	50.8
10:57:05 PM	56.4
10:57:15 PM	49.2
10:57:25 PM	48
10:57:35 PM	48.7
10:57:45 PM	58.2
10:57:55 PM	54
10:58:05 PM	50.8
10:58:15 PM	48.4
10:58:25 PM	47
10:58:35 PM	49.7
10:58:45 PM	51.5
10:58:55 PM	52.8
10:59:05 PM	54.5
10:59:15 PM	56.4
10:59:25 PM	55.3
10:59:35 PM	52.1
10:59:45 PM	48.8
10:59:55 PM	45.4
11:00:05 PM	45.9
11:00:15 PM	50.5
11:00:25 PM	49.4
11:00:35 PM	50.7
11:00:45 PM	52.3
11:00:55 PM	56.6
11:01:05 PM	51.6
11:01:15 PM	58
11:01:25 PM	52.2
11:01:35 PM	53.2
11:01:45 PM	46.7

11:01:55 PM	45.1
11:02:05 PM	47.2
11:02:15 PM	53.1
11:02:25 PM	51.4
11:02:35 PM	56.7
11:02:45 PM	59.3
11:02:55 PM	48.6
11:03:05 PM	52.2
11:03:15 PM	51.5
11:03:25 PM	52.6
11:03:35 PM	46.3
11:03:45 PM	54.9
11:03:55 PM	51.3
11:04:05 PM	56.2
11:04:15 PM	54
11:04:25 PM	52.7
11:04:35 PM	48.2
11:04:45 PM	53.7
11:04:55 PM	52.7
11:05:05 PM	56.8
11:05:15 PM	56.5
11:05:25 PM	52.9
11:05:35 PM	52.6
11:05:45 PM	54
11:05:55 PM	45.2
11:06:05 PM	47.9
11:06:15 PM	47.4
11:06:25 PM	48.3
11:06:35 PM	55.5
11:06:45 PM	54.2
11:06:55 PM	50.9
11:07:05 PM	48.2
11:07:15 PM	56.6
11:07:25 PM	55.5
11:07:35 PM	72.6
11:07:45 PM	62.6
11:07:55 PM	53.2
11:08:05 PM	51.7
11:08:15 PM	57.2
11:08:25 PM	58.6
11:08:35 PM	54.8
11:08:45 PM	51.4
11:08:55 PM	55.8
11:09:05 PM	49.8
11:09:15 PM	53.2

11:09:25 PM	51
11:09:35 PM	46.4
11:09:45 PM	53
11:09:55 PM	54
11:10:05 PM	50.6
11:10:15 PM	45.8
11:10:25 PM	49.7
11:10:35 PM	54.6
	57.8

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity
Location: R6
Date: 8/9/2021

Time	Leq
11:19:22 AM	56
11:19:32 AM	54.2
11:19:42 AM	53.4
11:19:52 AM	58
11:20:02 AM	53.4
11:20:12 AM	53
11:20:22 AM	54.4
11:20:32 AM	57.7
11:20:42 AM	56.5
11:20:52 AM	53.6
11:21:02 AM	52.8
11:21:12 AM	60.1
11:21:22 AM	57.2
11:21:32 AM	58.8
11:21:42 AM	53.7
11:21:52 AM	52
11:22:02 AM	57
11:22:12 AM	56.1
11:22:22 AM	55
11:22:32 AM	55.8
11:22:42 AM	57.8
11:22:52 AM	54.8
11:23:02 AM	59.8
11:23:12 AM	52.7
11:23:22 AM	60.7
11:23:32 AM	60.8
11:23:42 AM	72.2
11:23:52 AM	73.3
11:24:02 AM	58.7
11:24:12 AM	58.2
11:24:22 AM	52.5
11:24:32 AM	52.7
11:24:42 AM	58.1
11:24:52 AM	61.3
11:25:02 AM	57.5
11:25:12 AM	58.7
11:25:22 AM	54.5
11:25:32 AM	57.1
11:25:42 AM	52.1
11:25:52 AM	54.8

11:26:02 AM	59.7
11:26:12 AM	58.4
11:26:22 AM	55.6
11:26:32 AM	56.1
11:26:42 AM	59.8
11:26:52 AM	59.7
11:27:02 AM	54.7
11:27:12 AM	60.1
11:27:22 AM	55
11:27:32 AM	52.7
11:27:42 AM	51.5
11:27:52 AM	51.7
11:28:02 AM	56
11:28:12 AM	58.4
11:28:22 AM	55.5
11:28:32 AM	70.6
11:28:42 AM	57.1
11:28:52 AM	66
11:29:02 AM	59.4
11:29:12 AM	55
11:29:22 AM	54.2
11:29:32 AM	54.2
11:29:42 AM	54.6
11:29:52 AM	56.3
11:30:02 AM	56.1
11:30:12 AM	60.5
11:30:22 AM	58.6
11:30:32 AM	54.3
11:30:42 AM	56
11:30:52 AM	57.1
11:31:02 AM	57.1
11:31:12 AM	54.5
11:31:22 AM	53.4
11:31:32 AM	54.6
11:31:42 AM	64.3
11:31:52 AM	60.3
11:32:02 AM	53.3
11:32:12 AM	57.7
11:32:22 AM	55.5
11:32:32 AM	53.4
11:32:42 AM	54.6
11:32:52 AM	53.8
11:33:02 AM	53.3
11:33:12 AM	54.4
11:33:22 AM	53.5

11:33:32 AM	52.7
11:33:42 AM	52.8
11:33:52 AM	54
11:34:02 AM	56.2
11:34:12 AM	66.2
	60.4

Time	Leq
11:14:12 PM	55.5
11:14:22 PM	51.2
11:14:32 PM	50.3
11:14:42 PM	50.2
11:14:52 PM	50.8
11:15:02 PM	51.6
11:15:12 PM	53.8
11:15:22 PM	53.5
11:15:32 PM	52.4
11:15:42 PM	57.7
11:15:52 PM	50.6
11:16:02 PM	54.5
11:16:12 PM	52.1
11:16:22 PM	53.3
11:16:32 PM	50.6
11:16:42 PM	50.5
11:16:52 PM	50.9
11:17:02 PM	52.6
11:17:12 PM	53.7
11:17:22 PM	54.2
11:17:32 PM	51.1
11:17:42 PM	51.9
11:17:52 PM	50.9
11:18:02 PM	52.7
11:18:12 PM	55
11:18:22 PM	56.4
11:18:32 PM	53
11:18:42 PM	54.6
11:18:52 PM	52.9
11:19:02 PM	52.7
11:19:12 PM	55.1
11:19:22 PM	54
11:19:32 PM	60.4
11:19:42 PM	57.6
11:19:52 PM	54.7
11:20:02 PM	54.9
11:20:12 PM	55.4

11:20:22 PM	53
11:20:32 PM	53.4
11:20:42 PM	51.1
11:20:52 PM	51.3
11:21:02 PM	50.9
11:21:12 PM	53.6
11:21:22 PM	56.1
11:21:32 PM	53.7
11:21:42 PM	53.5
11:21:52 PM	52.7
11:22:02 PM	53.7
11:22:12 PM	52.9
11:22:22 PM	56.4
11:22:32 PM	52.6
11:22:42 PM	51
11:22:52 PM	54.4
11:23:02 PM	52.1
11:23:12 PM	54.8
11:23:22 PM	54.3
11:23:32 PM	53.2
11:23:42 PM	51.8
11:23:52 PM	52.1
11:24:02 PM	52.1
11:24:12 PM	52.8
11:24:22 PM	55.1
11:24:32 PM	53.2
11:24:42 PM	55.3
11:24:52 PM	52.4
11:25:02 PM	52.3
11:25:12 PM	53
11:25:22 PM	51.6
11:25:32 PM	53.5
11:25:42 PM	51.7
11:25:52 PM	52.8
11:26:02 PM	52.5
11:26:12 PM	52.7
11:26:22 PM	51.1
11:26:32 PM	51.2
11:26:42 PM	52.9
11:26:52 PM	52.5
11:27:02 PM	51.2
11:27:12 PM	52
11:27:22 PM	52.3
11:27:32 PM	52.8
11:27:42 PM	56.3

11:27:52 PM	55.8
11:28:02 PM	53.6
11:28:12 PM	54.7
11:28:22 PM	53.6
11:28:32 PM	61.6
11:28:42 PM	59.5
11:28:52 PM	57.1
11:29:02 PM	59
	54.2

AES
Acoustical Engineering Services

Project: TVCity
Location: R7
Date: 8/9/2021

Time	Leq
11:41:22 AM	54
11:41:32 AM	55.4
11:41:42 AM	54.4
11:41:52 AM	53
11:42:02 AM	56.1
11:42:12 AM	55.8
11:42:22 AM	57
11:42:32 AM	57.9
11:42:42 AM	53.2
11:42:52 AM	53.8
11:43:02 AM	56.8
11:43:12 AM	60.5
11:43:22 AM	54.4
11:43:32 AM	53.1
11:43:42 AM	54.1
11:43:52 AM	52.4
11:44:02 AM	53
11:44:12 AM	55.9
11:44:22 AM	54
11:44:32 AM	53.1
11:44:42 AM	52
11:44:52 AM	52
11:45:02 AM	52.8
11:45:12 AM	61.2
11:45:22 AM	53.7
11:45:32 AM	54.9
11:45:42 AM	53.5
11:45:52 AM	53.5
11:46:02 AM	52.9
11:46:12 AM	52.1
11:46:22 AM	53
11:46:32 AM	54.4
11:46:42 AM	53.5
11:46:52 AM	52.2
11:47:02 AM	51.6
11:47:12 AM	53.2
11:47:22 AM	55.7
11:47:32 AM	60.2
11:47:42 AM	57.4
11:47:52 AM	52

11:48:02 AM	51.6
11:48:12 AM	51.4
11:48:22 AM	53
11:48:32 AM	52.7
11:48:42 AM	57.7
11:48:52 AM	53.1
11:49:02 AM	52.9
11:49:12 AM	53.5
11:49:22 AM	52.3
11:49:32 AM	52.3
11:49:42 AM	52.9
11:49:52 AM	53.8
11:50:02 AM	53.5
11:50:12 AM	52.9
11:50:22 AM	53
11:50:32 AM	53.5
11:50:42 AM	52.1
11:50:52 AM	53.4
11:51:02 AM	58.3
11:51:12 AM	53.8
11:51:22 AM	59.5
11:51:32 AM	53.5
11:51:42 AM	52.3
11:51:52 AM	52.6
11:52:02 AM	53.1
11:52:12 AM	60.7
11:52:22 AM	53.3
11:52:32 AM	54.6
11:52:42 AM	69.8
11:52:52 AM	65.4
11:53:02 AM	52.9
11:53:12 AM	53.4
11:53:22 AM	54.3
11:53:32 AM	52.4
11:53:42 AM	52.6
11:53:52 AM	51.8
11:54:02 AM	53
11:54:12 AM	53.8
11:54:22 AM	55.7
11:54:32 AM	56.3
11:54:42 AM	56.2
11:54:52 AM	58.5
11:55:02 AM	56.6
11:55:12 AM	55.1
11:55:22 AM	54.6

11:55:32 AM	54.8
11:55:42 AM	56.3
11:55:52 AM	54.3
11:56:02 AM	54.2
11:56:12 AM	54.2
	56.6

Time	Leq
11:33:41 PM	51.7
11:33:51 PM	54.7
11:34:01 PM	52.5
11:34:11 PM	50.4
11:34:21 PM	53
11:34:31 PM	56.6
11:34:41 PM	51.7
11:34:51 PM	48.8
11:35:01 PM	51.8
11:35:11 PM	58.6
11:35:21 PM	57.5
11:35:31 PM	50.4
11:35:41 PM	52.9
11:35:51 PM	51.5
11:36:01 PM	55.7
11:36:11 PM	54.1
11:36:21 PM	54.2
11:36:31 PM	49.7
11:36:41 PM	54.2
11:36:51 PM	50
11:37:01 PM	48.5
11:37:11 PM	50
11:37:21 PM	51.7
11:37:31 PM	55.1
11:37:41 PM	46.6
11:37:51 PM	45.7
11:38:01 PM	46.6
11:38:11 PM	52.8
11:38:21 PM	50.7
11:38:31 PM	48.3
11:38:41 PM	50.7
11:38:51 PM	53.3
11:39:01 PM	54
11:39:11 PM	50.6
11:39:21 PM	48.1
11:39:31 PM	48.4
11:39:41 PM	51.9

11:39:51 PM	50.4
11:40:01 PM	49.4
11:40:11 PM	51.3
11:40:21 PM	51.8
11:40:31 PM	53.7
11:40:41 PM	49.7
11:40:51 PM	46.4
11:41:01 PM	51.2
11:41:11 PM	53.8
11:41:21 PM	54.4
11:41:31 PM	50.4
11:41:41 PM	50.2
11:41:51 PM	51.7
11:42:01 PM	48.2
11:42:11 PM	52.3
11:42:21 PM	47.9
11:42:31 PM	49.6
11:42:41 PM	53.2
11:42:51 PM	48
11:43:01 PM	47.6
11:43:11 PM	48.2
11:43:21 PM	52.3
11:43:31 PM	55.7
11:43:41 PM	50.2
11:43:51 PM	50.3
11:44:01 PM	48.3
11:44:11 PM	54.8
11:44:21 PM	55.5
11:44:31 PM	51.3
11:44:41 PM	52.3
11:44:51 PM	53
11:45:01 PM	47.4
11:45:11 PM	46.8
11:45:21 PM	50.9
11:45:31 PM	47.3
11:45:41 PM	50.5
11:45:51 PM	46.8
11:46:01 PM	46.8
11:46:11 PM	48.7
11:46:21 PM	63.2
11:46:31 PM	54.5
11:46:41 PM	50.3
11:46:51 PM	48.7
11:47:01 PM	52
11:47:11 PM	62.2

11:47:21 PM	57.4
11:47:31 PM	51.4
11:47:41 PM	50.5
11:47:51 PM	52.2
11:48:01 PM	54.3
11:48:11 PM	53.1
11:48:21 PM	54
11:48:31 PM	51.2
	53.1

AES
Acoustical Engineering Services

Project: TVCity
Location: R8
Date: 8/9/2021

Time	Leq
12:06:01 PM	64.2
12:06:11 PM	64.3
12:06:21 PM	67.5
12:06:31 PM	65.5
12:06:41 PM	71
12:06:51 PM	71
12:07:01 PM	67.9
12:07:11 PM	69
12:07:21 PM	65.7
12:07:31 PM	66
12:07:41 PM	68.7
12:07:51 PM	67.7
12:08:01 PM	65.2
12:08:11 PM	67.4
12:08:21 PM	64.2
12:08:31 PM	64.8
12:08:41 PM	69.9
12:08:51 PM	66.9
12:09:01 PM	75.3
12:09:11 PM	63.8
12:09:21 PM	64.6
12:09:31 PM	65.6
12:09:41 PM	65.9
12:09:51 PM	65.7
12:10:01 PM	66.2
12:10:11 PM	66.9
12:10:21 PM	62.7
12:10:31 PM	63.2
12:10:41 PM	63.9
12:10:51 PM	65.7
12:11:01 PM	62.1
12:11:11 PM	62
12:11:21 PM	64.2
12:11:31 PM	67.4
12:11:41 PM	66.1
12:11:51 PM	65.8
12:12:01 PM	63.6
12:12:11 PM	61.5
12:12:21 PM	63.3
12:12:31 PM	63.5

12:12:41 PM	66.9
12:12:51 PM	67
12:13:01 PM	71.3
12:13:11 PM	65.3
12:13:21 PM	66.2
12:13:31 PM	62.2
12:13:41 PM	63.5
12:13:51 PM	65.8
12:14:01 PM	67
12:14:11 PM	65.6
12:14:21 PM	65.3
12:14:31 PM	65.4
12:14:41 PM	66.7
12:14:51 PM	69.3
12:15:01 PM	64.4
12:15:11 PM	64.7
12:15:21 PM	66.3
12:15:31 PM	68.2
12:15:41 PM	67
12:15:51 PM	67.8
12:16:01 PM	68
12:16:11 PM	66.7
12:16:21 PM	65.6
12:16:31 PM	63.5
12:16:41 PM	63.2
12:16:51 PM	62.1
12:17:01 PM	65.4
12:17:11 PM	67.3
12:17:21 PM	67
12:17:31 PM	65
12:17:41 PM	67.3
12:17:51 PM	64.9
12:18:01 PM	61.9
12:18:11 PM	62.9
12:18:21 PM	71.2
12:18:31 PM	64.7
12:18:41 PM	63.2
12:18:51 PM	66.1
12:19:01 PM	64.9
12:19:11 PM	63.2
12:19:21 PM	69.8
12:19:31 PM	72.3
12:19:41 PM	63.9
12:19:51 PM	66.7
12:20:01 PM	66.4

12:20:11 PM	66.8
12:20:21 PM	68.5
12:20:31 PM	66.8
12:20:41 PM	66
12:20:51 PM	66.5
	66.9

Time	Leq
11:52:11 PM	47.4
11:52:21 PM	50.2
11:52:31 PM	69.3
11:52:41 PM	68.2
11:52:51 PM	55.1
11:53:01 PM	57.4
11:53:11 PM	63.8
11:53:21 PM	61.9
11:53:31 PM	55.6
11:53:41 PM	64.1
11:53:51 PM	48.4
11:54:01 PM	63.5
11:54:11 PM	64
11:54:21 PM	68
11:54:31 PM	66.4
11:54:41 PM	59.2
11:54:51 PM	46.3
11:55:01 PM	55.4
11:55:11 PM	57.4
11:55:21 PM	65
11:55:31 PM	70.6
11:55:41 PM	69.9
11:55:51 PM	61.3
11:56:01 PM	72.8
11:56:11 PM	64.7
11:56:21 PM	60.4
11:56:31 PM	64.3
11:56:41 PM	63.6
11:56:51 PM	48.2
11:57:01 PM	65
11:57:11 PM	67.6
11:57:21 PM	66
11:57:31 PM	65.8
11:57:41 PM	64.7
11:57:51 PM	62
11:58:01 PM	51.4
11:58:11 PM	45.2

11:58:21 PM	53.9
11:58:31 PM	70
11:58:41 PM	67.3
11:58:51 PM	69.8
11:59:01 PM	67.6
11:59:11 PM	62.2
11:59:21 PM	62.9
11:59:31 PM	65.3
11:59:41 PM	65.9
11:59:51 PM	57.1
12:00:01 AM	65.8
12:00:11 AM	68.8
12:00:21 AM	58.6
12:00:31 AM	63
12:00:41 AM	60.7
12:00:51 AM	62
12:01:01 AM	61.3
12:01:11 AM	57.2
12:01:21 AM	55.7
12:01:31 AM	58.7
12:01:41 AM	64
12:01:51 AM	76.2
12:02:01 AM	64.6
12:02:11 AM	59.1
12:02:21 AM	55.3
12:02:31 AM	54.8
12:02:41 AM	55
12:02:51 AM	62.8
12:03:01 AM	69.1
12:03:11 AM	51
12:03:21 AM	48.7
12:03:31 AM	64.4
12:03:41 AM	61
12:03:51 AM	45.2
12:04:01 AM	45
12:04:11 AM	45.4
12:04:21 AM	48.1
12:04:31 AM	62.5
12:04:41 AM	57.2
12:04:51 AM	68.4
12:05:01 AM	67.2
12:05:11 AM	56.1
12:05:21 AM	49.3
12:05:31 AM	47.8
12:05:41 AM	59.2

12:05:51 AM	61.2
12:06:01 AM	64.3
12:06:11 AM	70.9
12:06:21 AM	56.9
12:06:31 AM	50.6
12:06:41 AM	64
12:06:51 AM	68.1
12:07:01 AM	61.8
	65.0

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity
Location: R9
Date: 8/9/2021

Time	Leq
12:27:34 PM	55.7
12:27:44 PM	55.4
12:27:54 PM	55.6
12:28:04 PM	60.2
12:28:14 PM	58.3
12:28:24 PM	56.8
12:28:34 PM	55.5
12:28:44 PM	55.1
12:28:54 PM	55.4
12:29:04 PM	55.7
12:29:14 PM	55.5
12:29:24 PM	55.3
12:29:34 PM	55.6
12:29:44 PM	55.1
12:29:54 PM	56.4
12:30:04 PM	55.8
12:30:14 PM	57.7
12:30:24 PM	55.4
12:30:34 PM	56.2
12:30:44 PM	55.5
12:30:54 PM	56.2
12:31:04 PM	55.4
12:31:14 PM	55.6
12:31:24 PM	54.8
12:31:34 PM	55.1
12:31:44 PM	55.2
12:31:54 PM	55.2
12:32:04 PM	55.7
12:32:14 PM	57
12:32:24 PM	55.4
12:32:34 PM	55.1
12:32:44 PM	55.4
12:32:54 PM	55.1
12:33:04 PM	54.8
12:33:14 PM	55
12:33:24 PM	54.8
12:33:34 PM	55
12:33:44 PM	55.2
12:33:54 PM	55.1
12:34:04 PM	55

12:34:14 PM	57.3
12:34:24 PM	55.7
12:34:34 PM	55.1
12:34:44 PM	55
12:34:54 PM	55.1
12:35:04 PM	54.9
12:35:14 PM	55.2
12:35:24 PM	55.3
12:35:34 PM	54.9
12:35:44 PM	54.7
12:35:54 PM	54.7
12:36:04 PM	55.1
12:36:14 PM	56.2
12:36:24 PM	53.9
12:36:34 PM	55
12:36:44 PM	61.8
12:36:54 PM	53.7
12:37:04 PM	53.7
12:37:14 PM	53.7
12:37:24 PM	53.8
12:37:34 PM	53.9
12:37:44 PM	54.7
12:37:54 PM	57.6
12:38:04 PM	54.6
12:38:14 PM	54.6
12:38:24 PM	53.7
12:38:34 PM	53.3
12:38:44 PM	53.6
12:38:54 PM	54.3
12:39:04 PM	53.5
12:39:14 PM	54.4
12:39:24 PM	54
12:39:34 PM	54.2
12:39:44 PM	54.8
12:39:54 PM	54.4
12:40:04 PM	55.4
12:40:14 PM	59.1
12:40:24 PM	55.7
12:40:34 PM	55.6
12:40:44 PM	57.1
12:40:54 PM	55.4
12:41:04 PM	55.4
12:41:14 PM	55.4
12:41:24 PM	55.3
12:41:34 PM	56.4

12:41:44 PM	57.7
12:41:54 PM	57.3
12:42:04 PM	57.3
12:42:14 PM	57.9
12:42:24 PM	63.8
	56.0

Time	Leq
12:11:14 AM	51.3
12:11:24 AM	51.2
12:11:34 AM	51.9
12:11:44 AM	51.3
12:11:54 AM	51.4
12:12:04 AM	51.7
12:12:14 AM	51.7
12:12:24 AM	51.6
12:12:34 AM	51.9
12:12:44 AM	51.4
12:12:54 AM	51.4
12:13:04 AM	51.3
12:13:14 AM	51.3
12:13:24 AM	51.3
12:13:34 AM	51.7
12:13:44 AM	51.4
12:13:54 AM	51.5
12:14:04 AM	51.7
12:14:14 AM	51.4
12:14:24 AM	51.1
12:14:34 AM	51.3
12:14:44 AM	51.2
12:14:54 AM	51.1
12:15:04 AM	51
12:15:14 AM	51.3
12:15:24 AM	51.3
12:15:34 AM	51.5
12:15:44 AM	51.4
12:15:54 AM	51.1
12:16:04 AM	51.2
12:16:14 AM	51.3
12:16:24 AM	52
12:16:34 AM	51.7
12:16:44 AM	51.6
12:16:54 AM	51.7
12:17:04 AM	51.6
12:17:14 AM	51.8

12:17:24 AM	51.7
12:17:34 AM	51.8
12:17:44 AM	51.6
12:17:54 AM	51.5
12:18:04 AM	51.5
12:18:14 AM	51.3
12:18:24 AM	51.8
12:18:34 AM	51.7
12:18:44 AM	51.7
12:18:54 AM	51.5
12:19:04 AM	51.5
12:19:14 AM	51.4
12:19:24 AM	51.4
12:19:34 AM	51.3
12:19:44 AM	51.2
12:19:54 AM	51.2
12:20:04 AM	51.3
12:20:14 AM	51.2
12:20:24 AM	51.2
12:20:34 AM	51
12:20:44 AM	51.2
12:20:54 AM	51.2
12:21:04 AM	51.5
12:21:14 AM	51.4
12:21:24 AM	51.5
12:21:34 AM	51.4
12:21:44 AM	51.3
12:21:54 AM	51.2
12:22:04 AM	51.3
12:22:14 AM	51
12:22:24 AM	51.7
12:22:34 AM	51.4
12:22:44 AM	53.9
12:22:54 AM	51.3
12:23:04 AM	51.8
12:23:14 AM	52.6
12:23:24 AM	51.6
12:23:34 AM	51.3
12:23:44 AM	51.2
12:23:54 AM	52.6
12:24:04 AM	51.4
12:24:14 AM	51.1
12:24:24 AM	51.1
12:24:34 AM	51.3
12:24:44 AM	51.3

12:24:54 AM	51.2
12:25:04 AM	51.2
12:25:14 AM	52.2
12:25:24 AM	62.7
12:25:34 AM	52
12:25:44 AM	52.3
12:25:54 AM	51.7
12:26:04 AM	52.4
	52.1

AES
Acoustical Engineering Services

Project: TVCity
Location: R10
Date: 8/9/2021

Time	Leq
12:59:16 PM	68.2
12:59:26 PM	66.7
12:59:36 PM	62.1
12:59:46 PM	67.1
12:59:56 PM	58
1:00:06 PM	64.1
1:00:16 PM	62.3
1:00:26 PM	58.5
1:00:36 PM	56.8
1:00:46 PM	56.6
1:00:56 PM	61.9
1:01:06 PM	55.5
1:01:16 PM	55.8
1:01:26 PM	65.2
1:01:36 PM	70.2
1:01:46 PM	65.8
1:01:56 PM	68.2
1:02:06 PM	67.4
1:02:16 PM	63.7
1:02:26 PM	65.3
1:02:36 PM	62.6
1:02:46 PM	57.7
1:02:56 PM	60.8
1:03:06 PM	58.2
1:03:16 PM	55.6
1:03:26 PM	63.2
1:03:36 PM	69
1:03:46 PM	66.6
1:03:56 PM	59.2
1:04:06 PM	64
1:04:16 PM	61.4
1:04:26 PM	62.7
1:04:36 PM	59.2
1:04:46 PM	71.8
1:04:56 PM	66.7
1:05:06 PM	65
1:05:16 PM	61.9
1:05:26 PM	68.8
1:05:36 PM	67.2
1:05:46 PM	62.4

1:05:56 PM	57.5
1:06:06 PM	61.4
1:06:16 PM	60.2
1:06:26 PM	64
1:06:36 PM	64.7
1:06:46 PM	60.6
1:06:56 PM	66.3
1:07:06 PM	60
1:07:16 PM	61.1
1:07:26 PM	63.3
1:07:36 PM	66.8
1:07:46 PM	61.7
1:07:56 PM	63.5
1:08:06 PM	61.3
1:08:16 PM	61.2
1:08:26 PM	62.3
1:08:36 PM	62.4
1:08:46 PM	61
1:08:56 PM	60.4
1:09:06 PM	63.3
1:09:16 PM	59.8
1:09:26 PM	60.7
1:09:36 PM	69.7
1:09:46 PM	65.6
1:09:56 PM	62.3
1:10:06 PM	63.3
1:10:16 PM	61.8
1:10:26 PM	65.4
1:10:36 PM	62.4
1:10:46 PM	59.7
1:10:56 PM	61.8
1:11:06 PM	59.2
1:11:16 PM	57.7
1:11:26 PM	65.6
1:11:36 PM	68.9
1:11:46 PM	66.7
1:11:56 PM	61.5
1:12:06 PM	62.1
1:12:16 PM	58.3
1:12:26 PM	64.1
1:12:36 PM	60.5
1:12:46 PM	61.9
1:12:56 PM	62
1:13:06 PM	58.5
1:13:16 PM	55.5

1:13:26 PM	63.6
1:13:36 PM	65.5
1:13:46 PM	61.5
1:13:56 PM	64.2
1:14:06 PM	61.5
	64.2

AES
Acoustical Engineering Services

Project: TVCity
Location: R11
Date: 8/9/2021

Time	Leq
1:30:55 PM	58.9
1:31:05 PM	56.8
1:31:15 PM	65.5
1:31:25 PM	67.2
1:31:35 PM	56.4
1:31:45 PM	63.1
1:31:55 PM	62
1:32:05 PM	72.4
1:32:15 PM	72.9
1:32:25 PM	78.7
1:32:35 PM	63
1:32:45 PM	59.6
1:32:55 PM	73.3
1:33:05 PM	68.4
1:33:15 PM	68.6
1:33:25 PM	64.9
1:33:35 PM	68.1
1:33:45 PM	68.2
1:33:55 PM	63.5
1:34:05 PM	57.4
1:34:15 PM	63.3
1:34:25 PM	67.5
1:34:35 PM	54.2
1:34:45 PM	66.5
1:34:55 PM	56
1:35:05 PM	67.9
1:35:15 PM	71.1
1:35:25 PM	68.5
1:35:35 PM	58.8
1:35:45 PM	64.7
1:35:55 PM	64.4
1:36:05 PM	68.6
1:36:15 PM	65
1:36:25 PM	65.7
1:36:35 PM	65.1
1:36:45 PM	67.8
1:36:55 PM	65.3
1:37:05 PM	58
1:37:15 PM	68.2
1:37:25 PM	68.2

1:37:35 PM	65.4
1:37:45 PM	68.8
1:37:55 PM	65.7
1:38:05 PM	67.7
1:38:15 PM	75.8
1:38:25 PM	66.1
1:38:35 PM	52.1
1:38:45 PM	64.4
1:38:55 PM	67.4
1:39:05 PM	69.6
1:39:15 PM	64.2
1:39:25 PM	63.1
1:39:35 PM	61.4
1:39:45 PM	67
1:39:55 PM	61.1
1:40:05 PM	50.6
1:40:15 PM	61.9
1:40:25 PM	67.3
1:40:35 PM	67
1:40:45 PM	68
1:40:55 PM	65.2
1:41:05 PM	73.2
1:41:15 PM	65.2
1:41:25 PM	53.1
1:41:35 PM	53.8
1:41:45 PM	61.3
1:41:55 PM	68.3
1:42:05 PM	68.5
1:42:15 PM	66.9
1:42:25 PM	64
1:42:35 PM	66.7
1:42:45 PM	65.5
1:42:55 PM	64
1:43:05 PM	51.2
1:43:15 PM	63.8
1:43:25 PM	60.2
1:43:35 PM	51.3
1:43:45 PM	64.8
1:43:55 PM	63.3
1:44:05 PM	70.4
1:44:15 PM	70.5
1:44:25 PM	65
1:44:35 PM	64.3
1:44:45 PM	62.1
1:44:55 PM	60.8

1:45:05 PM	69.7
1:45:15 PM	65.3
1:45:25 PM	65
1:45:35 PM	62.9
1:45:45 PM	67
	67.5

Construction Noise & Vibration Calculations

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	20	0
Concrete Saw	1	90	20%	45	0
Water Truck	1	82	10%	45	0
Rubber Tired Dozer	1	82	40%	70	0
Concrete Saw	1	90	20%	70	0
Excavator	1	81	40%	95	0
Rubber Tired Dozer	1	82	40%	95	0
Excavator	1	81	40%	120	0
Excavator	1	81	40%	120	0

9

Receptor: ***R1***

Results:

1-hour Leq: **88.8**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	20	0
Cranes (Mobile)	1	81	16%	45	0
Excavator	1	81	40%	45	0
Water Truck	1	82	10%	70	0
Pump	1	81	20%	70	0
Rubber Tired Dozer	1	82	40%	95	0
Rubber Tired Loader	1	79	40%	95	0
Tractor/Loader/Backhoe	1	78	40%	120	0
Welders	1	74	40%	120	0
Bore/Drill Rig	5	84	20%	145	0
Cranes (Mobile)	1	81	16%	145	0
Excavator	2	81	40%	170	0
Water Truck	1	82	10%	170	0
Pump	3	81	20%	195	0
Rubber Tired Dozer	2	82	40%	195	0
Rubber Tired Loader	1	79	40%	220	0
Tractor/Loader/Backhoe	2	78	40%	220	0
Welders	1	74	40%	220	0
	27				

Receptor: ***R1***

Results:

1-hour Leq: 87.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	20	0
Plate Compactor	1	83	20%	45	0
Pump	1	81	20%	45	0
Plate Compactor	1	83	20%	70	0
Pump	1	81	20%	70	0
Plate Compactor	1	83	20%	95	0
Pump	1	81	20%	95	0
Plate Compactor	1	83	20%	120	0
Pump	1	81	20%	120	0
Plate Compactor	1	83	20%	145	0
Pump	1	81	20%	145	0
Plate Compactor	1	83	20%	170	0

12

Receptor: ***R1***

Results:

1-hour Leq: **84.9**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	20	0
Crane (Tower)	1	89	20%	45	0
Forklift	1	75	20%	45	0
Other Equipment	1	85	50%	70	0
Pump	1	81	20%	70	0
Tractor/Loader/Backhoe	1	78	40%	95	0
Welder	1	74	40%	95	0
Aerial Lift (Electric)	1	75	20%	120	0
Crane (Tower)	1	89	20%	120	0
Forklift	1	75	20%	145	0
Other Equipment	1	85	50%	145	0
Pump	1	81	20%	170	0
Welder	1	74	40%	170	0
Aerial Lift (Electric)	1	75	20%	195	0
Crane (Tower)	1	89	20%	195	0
Other Equipment	2	85	50%	220	0
Aerial Lift (Electric)	11	75	20%	220	0
Crane (Tower)	1	89	20%	220	0
	29				

Receptor: ***R1***

Results:

1-hour Leq: 86.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	20	0
Aerial Lift (Electric)	1	75	20%	45	0
Crane (Tower)	1	81	16%	45	0
Forklift	1	75	20%	70	0
Air Compressor	1	78	40%	70	0
Aerial Lift (Electric)	1	75	20%	95	0
Crane (Tower)	1	81	16%	95	0
Forklift	1	75	20%	120	0
Air Compressor	1	78	40%	120	0
Aerial Lift (Electric)	1	75	20%	145	0
Crane (Tower)	1	81	16%	145	0
Air Compressor	1	78	40%	170	0
Aerial Lift (Electric)	1	75	20%	170	0
Crane (Tower)	1	81	16%	195	0
Air Compressor	1	78	40%	195	0
Aerial Lift (Electric)	1	75	20%	220	0
Air Compressor	1	78	40%	220	0
Aerial Lift (Electric)	9	75	20%	220	0
	26				

Receptor: ***R1***

Results:

1-hour Leq: **83.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	20	0
Paving Equipment	1	77	50%	45	0
Signal Boards	1	73	50%	45	0
Skid Steer Loaders	1	79	40%	70	0
Trenchers	1	50	80%	70	0
Skid Steer Loaders	1	79	40%	95	0
	6				

Receptor: ***R1***

Results:

1-hour Leq: **82.9**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	75	0
Concrete Saw	1	90	20%	75	0
Water Truck	1	82	10%	100	0
Rubber Tired Dozer	1	82	40%	100	0
Concrete Saw	1	90	20%	125	0
Excavator	1	81	40%	125	0
Rubber Tired Dozer	1	82	40%	150	0
Excavator	1	81	40%	150	0
Excavator	1	81	40%	175	0

9

Receptor: ***R2***

Results:

1-hour Leq: **82.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	75	0
Cranes (Mobile)	1	81	16%	75	0
Excavator	1	81	40%	100	0
Water Truck	1	82	10%	100	0
Pump	1	81	20%	125	0
Rubber Tired Dozer	1	82	40%	125	0
Rubber Tired Loader	1	79	40%	150	0
Tractor/Loader/Backhoe	1	78	40%	150	0
Welders	1	74	40%	175	0
Bore/Drill Rig	5	84	20%	175	0
Cranes (Mobile)	1	81	16%	200	0
Excavator	2	81	40%	200	0
Water Truck	1	82	10%	225	0
Pump	3	81	20%	225	0
Rubber Tired Dozer	2	82	40%	225	0
Rubber Tired Loader	1	79	40%	250	0
Tractor/Loader/Backhoe	2	78	40%	250	0
Welders	1	74	40%	250	0
	27				

Receptor: ***R2***

Results:

1-hour Leq: 80.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	75	0
Plate Compactor	1	83	20%	75	0
Pump	1	81	20%	100	0
Plate Compactor	1	83	20%	100	0
Pump	1	81	20%	125	0
Plate Compactor	1	83	20%	125	0
Pump	1	81	20%	150	0
Plate Compactor	1	83	20%	150	0
Pump	1	81	20%	175	0
Plate Compactor	1	83	20%	175	0
Pump	1	81	20%	200	0
Plate Compactor	1	83	20%	200	0
	12				

Receptor: ***R2***

Results:

1-hour Leq: 78.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	75	0
Crane (Tower)	1	89	20%	75	0
Forklift	1	75	20%	100	0
Other Equipment	1	85	50%	100	0
Pump	1	81	20%	125	0
Tractor/Loader/Backhoe	1	78	40%	125	0
Welder	1	74	40%	150	0
Aerial Lift (Electric)	1	75	20%	150	0
Crane (Tower)	1	89	20%	175	0
Forklift	1	75	20%	175	0
Other Equipment	1	85	50%	200	0
Pump	1	81	20%	200	0
Welder	1	74	40%	225	0
Aerial Lift (Electric)	1	75	20%	225	0
Crane (Tower)	1	89	20%	225	0
Other Equipment	2	85	50%	250	0
Aerial Lift (Electric)	11	75	20%	250	0
Crane (Tower)	1	89	20%	250	0
	29				

Receptor: ***R2***

Results:

1-hour Leq: 82.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	75	0
Aerial Lift (Electric)	1	75	20%	75	0
Crane (Tower)	1	81	16%	100	0
Forklift	1	75	20%	100	0
Air Compressor	1	78	40%	125	0
Aerial Lift (Electric)	1	75	20%	125	0
Crane (Tower)	1	81	16%	150	0
Forklift	1	75	20%	150	0
Air Compressor	1	78	40%	175	0
Aerial Lift (Electric)	1	75	20%	175	0
Crane (Tower)	1	81	16%	200	0
Air Compressor	1	78	40%	200	0
Aerial Lift (Electric)	1	75	20%	225	0
Crane (Tower)	1	81	16%	225	0
Air Compressor	1	78	40%	225	0
Aerial Lift (Electric)	1	75	20%	250	0
Air Compressor	1	78	40%	250	0
Aerial Lift (Electric)	9	75	20%	250	0
	26				

Receptor: ***R2***

Results:

1-hour Leq: 76.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	75	0
Paving Equipment	1	77	50%	75	0
Signal Boards	1	73	50%	100	0
Skid Steer Loaders	1	79	40%	100	0
Trenchers	1	50	80%	125	0
Skid Steer Loaders	1	79	40%	125	0
	6				

Receptor: ***R2***

Results:

1-hour Leq: **75.5**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	95	0
Concrete Saw	1	90	20%	95	0
Water Truck	1	82	10%	120	0
Rubber Tired Dozer	1	82	40%	120	0
Concrete Saw	1	90	20%	145	0
Excavator	1	81	40%	145	0
Rubber Tired Dozer	1	82	40%	170	0
Excavator	1	81	40%	170	0
Excavator	1	81	40%	195	0

9

Receptor: ***R3***

Results:

1-hour Leq: 81.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	95	0
Cranes (Mobile)	1	81	16%	95	0
Excavator	1	81	40%	120	0
Water Truck	1	82	10%	120	0
Pump	1	81	20%	145	0
Rubber Tired Dozer	1	82	40%	145	0
Rubber Tired Loader	1	79	40%	170	0
Tractor/Loader/Backhoe	1	78	40%	170	0
Welders	1	74	40%	195	0
Bore/Drill Rig	5	84	20%	195	0
Cranes (Mobile)	1	81	16%	220	0
Excavator	2	81	40%	220	0
Water Truck	1	82	10%	245	0
Pump	3	81	20%	245	0
Rubber Tired Dozer	2	82	40%	245	0
Rubber Tired Loader	1	79	40%	270	0
Tractor/Loader/Backhoe	2	78	40%	270	0
Welders	1	74	40%	270	0
	27				

Receptor: ***R3***

Results:

1-hour Leq: 79.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	95	0
Plate Compactor	1	83	20%	95	0
Pump	1	81	20%	120	0
Plate Compactor	1	83	20%	120	0
Pump	1	81	20%	145	0
Plate Compactor	1	83	20%	145	0
Pump	1	81	20%	170	0
Plate Compactor	1	83	20%	170	0
Pump	1	81	20%	195	0
Plate Compactor	1	83	20%	195	0
Pump	1	81	20%	220	0
Plate Compactor	1	83	20%	220	0
	12				

Receptor: ***R3***

Results:

1-hour Leq: **77.0**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	95	0
Crane (Tower)	1	89	20%	95	0
Forklift	1	75	20%	120	0
Other Equipment	1	85	50%	120	0
Pump	1	81	20%	145	0
Tractor/Loader/Backhoe	1	78	40%	145	0
Welder	1	74	40%	170	0
Aerial Lift (Electric)	1	75	20%	170	0
Crane (Tower)	1	89	20%	195	0
Forklift	1	75	20%	195	0
Other Equipment	1	85	50%	220	0
Pump	1	81	20%	220	0
Welder	1	74	40%	245	0
Aerial Lift (Electric)	1	75	20%	245	0
Crane (Tower)	1	89	20%	245	0
Other Equipment	2	85	50%	270	0
Aerial Lift (Electric)	11	75	20%	270	0
Crane (Tower)	1	89	20%	270	0
	29				

Receptor: ***R3***

Results:

1-hour Leq: 81.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	95	0
Aerial Lift (Electric)	1	75	20%	95	0
Crane (Tower)	1	81	16%	120	0
Forklift	1	75	20%	120	0
Air Compressor	1	78	40%	145	0
Aerial Lift (Electric)	1	75	20%	145	0
Crane (Tower)	1	81	16%	170	0
Forklift	1	75	20%	170	0
Air Compressor	1	78	40%	195	0
Aerial Lift (Electric)	1	75	20%	195	0
Crane (Tower)	1	81	16%	220	0
Air Compressor	1	78	40%	220	0
Aerial Lift (Electric)	1	75	20%	245	0
Crane (Tower)	1	81	16%	245	0
Air Compressor	1	78	40%	245	0
Aerial Lift (Electric)	1	75	20%	270	0
Air Compressor	1	78	40%	270	0
Aerial Lift (Electric)	9	75	20%	270	0
	26				

Receptor: ***R3***

Results:

1-hour Leq: **74.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	95	0
Paving Equipment	1	77	50%	95	0
Signal Boards	1	73	50%	120	0
Skid Steer Loaders	1	79	40%	120	0
Trenchers	1	50	80%	145	0
Skid Steer Loaders	1	79	40%	145	0
	6				

Receptor: ***R3***

Results:

1-hour Leq: **73.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	195	0
Concrete Saw	1	90	20%	195	0
Water Truck	1	82	10%	220	0
Rubber Tired Dozer	1	82	40%	220	0
Concrete Saw	1	90	20%	245	0
Excavator	1	81	40%	245	0
Rubber Tired Dozer	1	82	40%	270	0
Excavator	1	81	40%	270	0
Excavator	1	81	40%	295	0

9

Receptor: ***R4***

Results:

1-hour Leq: 75.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	195	0
Cranes (Mobile)	1	81	16%	195	0
Excavator	1	81	40%	220	0
Water Truck	1	82	10%	220	0
Pump	1	81	20%	245	0
Rubber Tired Dozer	1	82	40%	245	0
Rubber Tired Loader	1	79	40%	270	0
Tractor/Loader/Backhoe	1	78	40%	270	0
Welders	1	74	40%	295	0
Bore/Drill Rig	5	84	20%	295	0
Cranes (Mobile)	1	81	16%	320	0
Excavator	2	81	40%	320	0
Water Truck	1	82	10%	345	0
Pump	3	81	20%	345	0
Rubber Tired Dozer	2	82	40%	345	0
Rubber Tired Loader	1	79	40%	370	0
Tractor/Loader/Backhoe	2	78	40%	370	0
Welders	1	74	40%	370	0
	27				

Receptor: ***R4***

Results:

1-hour Leq: 74.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	195	0
Plate Compactor	1	83	20%	195	0
Pump	1	81	20%	220	0
Plate Compactor	1	83	20%	220	0
Pump	1	81	20%	245	0
Plate Compactor	1	83	20%	245	0
Pump	1	81	20%	270	0
Plate Compactor	1	83	20%	270	0
Pump	1	81	20%	295	0
Plate Compactor	1	83	20%	295	0
Pump	1	81	20%	320	0
Plate Compactor	1	83	20%	320	0

12

Receptor: ***R4***

Results:

1-hour Leq: **72.1**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	195	0
Crane (Tower)	1	89	20%	195	0
Forklift	1	75	20%	220	0
Other Equipment	1	85	50%	220	0
Pump	1	81	20%	245	0
Tractor/Loader/Backhoe	1	78	40%	245	0
Welder	1	74	40%	270	0
Aerial Lift (Electric)	1	75	20%	270	0
Crane (Tower)	1	89	20%	295	0
Forklift	1	75	20%	295	0
Other Equipment	1	85	50%	320	0
Pump	1	81	20%	320	0
Welder	1	74	40%	345	0
Aerial Lift (Electric)	1	75	20%	345	0
Crane (Tower)	1	89	20%	345	0
Other Equipment	2	85	50%	370	0
Aerial Lift (Electric)	11	75	20%	370	0
Crane (Tower)	1	89	20%	370	0
	29				

Receptor: ***R4***

Results:

1-hour Leq: **76.5**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	195	0
Aerial Lift (Electric)	1	75	20%	195	0
Crane (Tower)	1	81	16%	220	0
Forklift	1	75	20%	220	0
Air Compressor	1	78	40%	245	0
Aerial Lift (Electric)	1	75	20%	245	0
Crane (Tower)	1	81	16%	270	0
Forklift	1	75	20%	270	0
Air Compressor	1	78	40%	295	0
Aerial Lift (Electric)	1	75	20%	295	0
Crane (Tower)	1	81	16%	320	0
Air Compressor	1	78	40%	320	0
Aerial Lift (Electric)	1	75	20%	345	0
Crane (Tower)	1	81	16%	345	0
Air Compressor	1	78	40%	345	0
Aerial Lift (Electric)	1	75	20%	370	0
Air Compressor	1	78	40%	370	0
Aerial Lift (Electric)	9	75	20%	370	0
	26				

Receptor: ***R4***

Results:

1-hour Leq: **70.2**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	195	0
Paving Equipment	1	77	50%	195	0
Signal Boards	1	73	50%	220	0
Skid Steer Loaders	1	79	40%	220	0
Trenchers	1	50	80%	245	0
Skid Steer Loaders	1	79	40%	245	0
	6				

Receptor: ***R4***

Results:

1-hour Leq: 68.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	220	5
Concrete Saw	1	90	20%	220	5
Water Truck	1	82	10%	245	5
Rubber Tired Dozer	1	82	40%	245	5
Concrete Saw	1	90	20%	270	5
Excavator	1	81	40%	270	5
Rubber Tired Dozer	1	82	40%	295	5
Excavator	1	81	40%	295	5
Excavator	1	81	40%	320	5

9

Receptor: ***R5***

Results:

1-hour Leq: **69.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	220	5
Cranes (Mobile)	1	81	16%	220	5
Excavator	1	81	40%	245	5
Water Truck	1	82	10%	245	5
Pump	1	81	20%	270	5
Rubber Tired Dozer	1	82	40%	270	5
Rubber Tired Loader	1	79	40%	295	5
Tractor/Loader/Backhoe	1	78	40%	295	5
Welders	1	74	40%	320	5
Bore/Drill Rig	5	84	20%	320	5
Cranes (Mobile)	1	81	16%	345	5
Excavator	2	81	40%	345	5
Water Truck	1	82	10%	370	5
Pump	3	81	20%	370	5
Rubber Tired Dozer	2	82	40%	370	5
Rubber Tired Loader	1	79	40%	395	5
Tractor/Loader/Backhoe	2	78	40%	395	5
Welders	1	74	40%	395	5
	27				

Receptor: ***R5***

Results:

1-hour Leq: 69.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	220	5
Plate Compactor	1	83	20%	220	5
Pump	1	81	20%	245	5
Plate Compactor	1	83	20%	245	5
Pump	1	81	20%	270	5
Plate Compactor	1	83	20%	270	5
Pump	1	81	20%	295	5
Plate Compactor	1	83	20%	295	5
Pump	1	81	20%	320	5
Plate Compactor	1	83	20%	320	5
Pump	1	81	20%	345	5
Plate Compactor	1	83	20%	345	5

12

Receptor: ***R5***

Results:

1-hour Leq: **66.2**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	220	5
Crane (Tower)	1	89	20%	220	5
Forklift	1	75	20%	245	5
Other Equipment	1	85	50%	245	5
Pump	1	81	20%	270	5
Tractor/Loader/Backhoe	1	78	40%	270	5
Welder	1	74	40%	295	5
Aerial Lift (Electric)	1	75	20%	295	5
Crane (Tower)	1	89	20%	320	5
Forklift	1	75	20%	320	5
Other Equipment	1	85	50%	345	5
Pump	1	81	20%	345	5
Welder	1	74	40%	370	5
Aerial Lift (Electric)	1	75	20%	370	5
Crane (Tower)	1	89	20%	370	5
Other Equipment	2	85	50%	395	5
Aerial Lift (Electric)	11	75	20%	395	5
Crane (Tower)	1	89	20%	395	5
	29				

Receptor: ***R5***

Results:

1-hour Leq: **70.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	220	5
Aerial Lift (Electric)	1	75	20%	220	5
Crane (Tower)	1	81	16%	245	5
Forklift	1	75	20%	245	5
Air Compressor	1	78	40%	270	5
Aerial Lift (Electric)	1	75	20%	270	5
Crane (Tower)	1	81	16%	295	5
Forklift	1	75	20%	295	5
Air Compressor	1	78	40%	320	5
Aerial Lift (Electric)	1	75	20%	320	5
Crane (Tower)	1	81	16%	345	5
Air Compressor	1	78	40%	345	5
Aerial Lift (Electric)	1	75	20%	370	5
Crane (Tower)	1	81	16%	370	5
Air Compressor	1	78	40%	370	5
Aerial Lift (Electric)	1	75	20%	395	5
Air Compressor	1	78	40%	395	5
Aerial Lift (Electric)	9	75	20%	395	5
	26				

Receptor: ***R5***

Results:

1-hour Leq: **64.4**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	220	5
Paving Equipment	1	77	50%	220	5
Signal Boards	1	73	50%	245	5
Skid Steer Loaders	1	79	40%	245	5
Trenchers	1	50	80%	270	5
Skid Steer Loaders	1	79	40%	270	5
	6				

Receptor: ***R5***

Results:

1-hour Leq: **62.1**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	375	10
Concrete Saw	1	90	20%	375	10
Water Truck	1	82	10%	400	10
Rubber Tired Dozer	1	82	40%	400	10
Concrete Saw	1	90	20%	425	10
Excavator	1	81	40%	425	10
Rubber Tired Dozer	1	82	40%	450	10
Excavator	1	81	40%	450	10
Excavator	1	81	40%	475	10

9

Receptor: ***R6***

Results:

1-hour Leq: **60.5**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	375	10
Cranes (Mobile)	1	81	16%	375	10
Excavator	1	81	40%	400	10
Water Truck	1	82	10%	400	10
Pump	1	81	20%	425	10
Rubber Tired Dozer	1	82	40%	425	10
Rubber Tired Loader	1	79	40%	450	10
Tractor/Loader/Backhoe	1	78	40%	450	10
Welders	1	74	40%	475	10
Bore/Drill Rig	5	84	20%	475	10
Cranes (Mobile)	1	81	16%	500	10
Excavator	2	81	40%	500	10
Water Truck	1	82	10%	525	10
Pump	3	81	20%	525	10
Rubber Tired Dozer	2	82	40%	525	10
Rubber Tired Loader	1	79	40%	550	10
Tractor/Loader/Backhoe	2	78	40%	550	10
Welders	1	74	40%	550	10
	27				

Receptor: ***R6***

Results:

1-hour Leq: 60.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	375	10
Plate Compactor	1	83	20%	375	10
Pump	1	81	20%	400	10
Plate Compactor	1	83	20%	400	10
Pump	1	81	20%	425	10
Plate Compactor	1	83	20%	425	10
Pump	1	81	20%	450	10
Plate Compactor	1	83	20%	450	10
Pump	1	81	20%	475	10
Plate Compactor	1	83	20%	475	10
Pump	1	81	20%	500	10
Plate Compactor	1	83	20%	500	10
	12				

Receptor: ***R6***

Results:

1-hour Leq: **57.2**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	375	10
Crane (Tower)	1	89	20%	375	10
Forklift	1	75	20%	400	10
Other Equipment	1	85	50%	400	10
Pump	1	81	20%	425	10
Tractor/Loader/Backhoe	1	78	40%	425	10
Welder	1	74	40%	450	10
Aerial Lift (Electric)	1	75	20%	450	10
Crane (Tower)	1	89	20%	475	10
Forklift	1	75	20%	475	10
Other Equipment	1	85	50%	500	10
Pump	1	81	20%	500	10
Welder	1	74	40%	525	10
Aerial Lift (Electric)	1	75	20%	525	10
Crane (Tower)	1	89	20%	525	10
Other Equipment	2	85	50%	550	10
Aerial Lift (Electric)	11	75	20%	550	10
Crane (Tower)	1	89	20%	550	10
	29				

Receptor: ***R6***

Results:

1-hour Leq: 62.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	375	10
Aerial Lift (Electric)	1	75	20%	375	10
Crane (Tower)	1	81	16%	400	10
Forklift	1	75	20%	400	10
Air Compressor	1	78	40%	425	10
Aerial Lift (Electric)	1	75	20%	425	10
Crane (Tower)	1	81	16%	450	10
Forklift	1	75	20%	450	10
Air Compressor	1	78	40%	475	10
Aerial Lift (Electric)	1	75	20%	475	10
Crane (Tower)	1	81	16%	500	10
Air Compressor	1	78	40%	500	10
Aerial Lift (Electric)	1	75	20%	525	10
Crane (Tower)	1	81	16%	525	10
Air Compressor	1	78	40%	525	10
Aerial Lift (Electric)	1	75	20%	550	10
Air Compressor	1	78	40%	550	10
Aerial Lift (Electric)	9	75	20%	550	10
	26				

Receptor: ***R6***

Results:

1-hour Leq: **55.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	375	10
Paving Equipment	1	77	50%	375	10
Signal Boards	1	73	50%	400	10
Skid Steer Loaders	1	79	40%	400	10
Trenchers	1	50	80%	425	10
Skid Steer Loaders	1	79	40%	425	10
	6				

Receptor: ***R6***

Results:

1-hour Leq: **52.8**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	230	0
Concrete Saw	1	90	20%	230	0
Water Truck	1	82	10%	255	0
Rubber Tired Dozer	1	82	40%	255	0
Concrete Saw	1	90	20%	280	0
Excavator	1	81	40%	280	0
Rubber Tired Dozer	1	82	40%	305	0
Excavator	1	81	40%	305	0
Excavator	1	81	40%	330	0

9

Receptor: ***R7***

Results:

1-hour Leq: **74.3**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	230	0
Cranes (Mobile)	1	81	16%	230	0
Excavator	1	81	40%	255	0
Water Truck	1	82	10%	255	0
Pump	1	81	20%	280	0
Rubber Tired Dozer	1	82	40%	280	0
Rubber Tired Loader	1	79	40%	305	0
Tractor/Loader/Backhoe	1	78	40%	305	0
Welders	1	74	40%	330	0
Bore/Drill Rig	5	84	20%	330	0
Cranes (Mobile)	1	81	16%	355	0
Excavator	2	81	40%	355	0
Water Truck	1	82	10%	380	0
Pump	3	81	20%	380	0
Rubber Tired Dozer	2	82	40%	380	0
Rubber Tired Loader	1	79	40%	405	0
Tractor/Loader/Backhoe	2	78	40%	405	0
Welders	1	74	40%	405	0
	27				

Receptor: ***R7***

Results:

1-hour Leq: 73.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	230	0
Plate Compactor	1	83	20%	230	0
Pump	1	81	20%	255	0
Plate Compactor	1	83	20%	255	0
Pump	1	81	20%	280	0
Plate Compactor	1	83	20%	280	0
Pump	1	81	20%	305	0
Plate Compactor	1	83	20%	305	0
Pump	1	81	20%	330	0
Plate Compactor	1	83	20%	330	0
Pump	1	81	20%	355	0
Plate Compactor	1	83	20%	355	0
	12				

Receptor: ***R7***

Results:

1-hour Leq: **70.9**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	230	0
Crane (Tower)	1	89	20%	230	0
Forklift	1	75	20%	255	0
Other Equipment	1	85	50%	255	0
Pump	1	81	20%	280	0
Tractor/Loader/Backhoe	1	78	40%	280	0
Welder	1	74	40%	305	0
Aerial Lift (Electric)	1	75	20%	305	0
Crane (Tower)	1	89	20%	330	0
Forklift	1	75	20%	330	0
Other Equipment	1	85	50%	355	0
Pump	1	81	20%	355	0
Welder	1	74	40%	380	0
Aerial Lift (Electric)	1	75	20%	380	0
Crane (Tower)	1	89	20%	380	0
Other Equipment	2	85	50%	405	0
Aerial Lift (Electric)	11	75	20%	405	0
Crane (Tower)	1	89	20%	405	0
	29				

Receptor: ***R7***

Results:

1-hour Leq: **75.4**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	230	0
Aerial Lift (Electric)	1	75	20%	230	0
Crane (Tower)	1	81	16%	255	0
Forklift	1	75	20%	255	0
Air Compressor	1	78	40%	280	0
Aerial Lift (Electric)	1	75	20%	280	0
Crane (Tower)	1	81	16%	305	0
Forklift	1	75	20%	305	0
Air Compressor	1	78	40%	330	0
Aerial Lift (Electric)	1	75	20%	330	0
Crane (Tower)	1	81	16%	355	0
Air Compressor	1	78	40%	355	0
Aerial Lift (Electric)	1	75	20%	380	0
Crane (Tower)	1	81	16%	380	0
Air Compressor	1	78	40%	380	0
Aerial Lift (Electric)	1	75	20%	405	0
Air Compressor	1	78	40%	405	0
Aerial Lift (Electric)	9	75	20%	405	0
	26				

Receptor: ***R7***

Results:

1-hour Leq: **69.1**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	230	0
Paving Equipment	1	77	50%	230	0
Signal Boards	1	73	50%	255	0
Skid Steer Loaders	1	79	40%	255	0
Trenchers	1	50	80%	280	0
Skid Steer Loaders	1	79	40%	280	0
	6				

Receptor: ***R7***

Results:

1-hour Leq: 66.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	95	0
Concrete Saw	1	90	20%	95	0
Water Truck	1	82	10%	120	0
Rubber Tired Dozer	1	82	40%	120	0
Concrete Saw	1	90	20%	145	0
Excavator	1	81	40%	145	0
Rubber Tired Dozer	1	82	40%	170	0
Excavator	1	81	40%	170	0
Excavator	1	81	40%	195	0

9

Receptor: ***R8***

Results:

1-hour Leq: 81.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	95	0
Cranes (Mobile)	1	81	16%	95	0
Excavator	1	81	40%	120	0
Water Truck	1	82	10%	120	0
Pump	1	81	20%	145	0
Rubber Tired Dozer	1	82	40%	145	0
Rubber Tired Loader	1	79	40%	170	0
Tractor/Loader/Backhoe	1	78	40%	170	0
Welders	1	74	40%	195	0
Bore/Drill Rig	5	84	20%	195	0
Cranes (Mobile)	1	81	16%	220	0
Excavator	2	81	40%	220	0
Water Truck	1	82	10%	245	0
Pump	3	81	20%	245	0
Rubber Tired Dozer	2	82	40%	245	0
Rubber Tired Loader	1	79	40%	270	0
Tractor/Loader/Backhoe	2	78	40%	270	0
Welders	1	74	40%	270	0
	27				

Receptor: ***R8***

Results:

1-hour Leq: 79.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	95	0
Plate Compactor	1	83	20%	95	0
Pump	1	81	20%	120	0
Plate Compactor	1	83	20%	120	0
Pump	1	81	20%	145	0
Plate Compactor	1	83	20%	145	0
Pump	1	81	20%	170	0
Plate Compactor	1	83	20%	170	0
Pump	1	81	20%	195	0
Plate Compactor	1	83	20%	195	0
Pump	1	81	20%	220	0
Plate Compactor	1	83	20%	220	0

12

Receptor: ***R8***

Results:

1-hour Leq: 77.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	95	0
Crane (Tower)	1	89	20%	95	0
Forklift	1	75	20%	120	0
Other Equipment	1	85	50%	120	0
Pump	1	81	20%	145	0
Tractor/Loader/Backhoe	1	78	40%	145	0
Welder	1	74	40%	170	0
Aerial Lift (Electric)	1	75	20%	170	0
Crane (Tower)	1	89	20%	195	0
Forklift	1	75	20%	195	0
Other Equipment	1	85	50%	220	0
Pump	1	81	20%	220	0
Welder	1	74	40%	245	0
Aerial Lift (Electric)	1	75	20%	245	0
Crane (Tower)	1	89	20%	245	0
Other Equipment	2	85	50%	270	0
Aerial Lift (Electric)	11	75	20%	270	0
Crane (Tower)	1	89	20%	270	0
	29				

Receptor: ***R8***

Results:

1-hour Leq: 81.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	95	0
Aerial Lift (Electric)	1	75	20%	95	0
Crane (Tower)	1	81	16%	120	0
Forklift	1	75	20%	120	0
Air Compressor	1	78	40%	145	0
Aerial Lift (Electric)	1	75	20%	145	0
Crane (Tower)	1	81	16%	170	0
Forklift	1	75	20%	170	0
Air Compressor	1	78	40%	195	0
Aerial Lift (Electric)	1	75	20%	195	0
Crane (Tower)	1	81	16%	220	0
Air Compressor	1	78	40%	220	0
Aerial Lift (Electric)	1	75	20%	245	0
Crane (Tower)	1	81	16%	245	0
Air Compressor	1	78	40%	245	0
Aerial Lift (Electric)	1	75	20%	270	0
Air Compressor	1	78	40%	270	0
Aerial Lift (Electric)	9	75	20%	270	0
	26				

Receptor: ***R8***

Results:

1-hour Leq: **74.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	95	0
Paving Equipment	1	77	50%	95	0
Signal Boards	1	73	50%	120	0
Skid Steer Loaders	1	79	40%	120	0
Trenchers	1	50	80%	145	0
Skid Steer Loaders	1	79	40%	145	0
	6				

Receptor: ***R8***

Results:

1-hour Leq: 73.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Excavator	1	81	40%	75	0
Concrete Saw	1	90	20%	75	0
Water Truck	1	82	10%	100	0
Rubber Tired Dozer	1	82	40%	100	0
Concrete Saw	1	90	20%	125	0
Excavator	1	81	40%	125	0
Rubber Tired Dozer	1	82	40%	150	0
Excavator	1	81	40%	150	0
Excavator	1	81	40%	175	0

9

Receptor: ***R9***

Results:

1-hour Leq: **82.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Grading/Excavation***

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%	75	0
Cranes (Mobile)	1	81	16%	75	0
Excavator	1	81	40%	100	0
Water Truck	1	82	10%	100	0
Pump	1	81	20%	125	0
Rubber Tired Dozer	1	82	40%	125	0
Rubber Tired Loader	1	79	40%	150	0
Tractor/Loader/Backhoe	1	78	40%	150	0
Welders	1	74	40%	175	0
Bore/Drill Rig	5	84	20%	175	0
Cranes (Mobile)	1	81	16%	200	0
Excavator	2	81	40%	200	0
Water Truck	1	82	10%	225	0
Pump	3	81	20%	225	0
Rubber Tired Dozer	2	82	40%	225	0
Rubber Tired Loader	1	79	40%	250	0
Tractor/Loader/Backhoe	2	78	40%	250	0
Welders	1	74	40%	250	0
	27				

Receptor: ***R9***

Results:

1-hour Leq: 80.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Mat Foundation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Pump	1	81	20%	75	0
Plate Compactor	1	83	20%	75	0
Pump	1	81	20%	100	0
Plate Compactor	1	83	20%	100	0
Pump	1	81	20%	125	0
Plate Compactor	1	83	20%	125	0
Pump	1	81	20%	150	0
Plate Compactor	1	83	20%	150	0
Pump	1	81	20%	175	0
Plate Compactor	1	83	20%	175	0
Pump	1	81	20%	200	0
Plate Compactor	1	83	20%	200	0
	12				

Receptor: ***R9***

Results:

1-hour Leq: 78.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Structure/Enclosure***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift (Electric)	1	75	20%	75	0
Crane (Tower)	1	89	20%	75	0
Forklift	1	75	20%	100	0
Other Equipment	1	85	50%	100	0
Pump	1	81	20%	125	0
Tractor/Loader/Backhoe	1	78	40%	125	0
Welder	1	74	40%	150	0
Aerial Lift (Electric)	1	75	20%	150	0
Crane (Tower)	1	89	20%	175	0
Forklift	1	75	20%	175	0
Other Equipment	1	85	50%	200	0
Pump	1	81	20%	200	0
Welder	1	74	40%	225	0
Aerial Lift (Electric)	1	75	20%	225	0
Crane (Tower)	1	89	20%	225	0
Other Equipment	2	85	50%	250	0
Aerial Lift (Electric)	11	75	20%	250	0
Crane (Tower)	1	89	20%	250	0
	29				

Receptor: ***R9***

Results:

1-hour Leq: 82.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Architectural Coatings/Finishes***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Air Compressor	1	78	40%	75	0
Aerial Lift (Electric)	1	75	20%	75	0
Crane (Tower)	1	81	16%	100	0
Forklift	1	75	20%	100	0
Air Compressor	1	78	40%	125	0
Aerial Lift (Electric)	1	75	20%	125	0
Crane (Tower)	1	81	16%	150	0
Forklift	1	75	20%	150	0
Air Compressor	1	78	40%	175	0
Aerial Lift (Electric)	1	75	20%	175	0
Crane (Tower)	1	81	16%	200	0
Air Compressor	1	78	40%	200	0
Aerial Lift (Electric)	1	75	20%	225	0
Crane (Tower)	1	81	16%	225	0
Air Compressor	1	78	40%	225	0
Aerial Lift (Electric)	1	75	20%	250	0
Air Compressor	1	78	40%	250	0
Aerial Lift (Electric)	9	75	20%	250	0
	26				

Receptor: ***R9***

Results:

1-hour Leq: **76.0**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Paving/Landscaping***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Rollers	1	80	20%	75	0
Paving Equipment	1	77	50%	75	0
Signal Boards	1	73	50%	100	0
Skid Steer Loaders	1	79	40%	100	0
Trenchers	1	50	80%	125	0
Skid Steer Loaders	1	79	40%	125	0
	6				

Receptor: ***R9***

Results:

1-hour Leq: **75.5**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Trucks Staging***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Truck	1	76	10%	120	0
Truck	2	76	10%	150	0
Truck	2	76	10%	180	0
Truck	2	76	10%	210	0
Truck	2	76	10%	240	0
Truck	2	76	10%	270	0
Truck	2	76	10%	300	0
Truck	2	76	10%	330	0
Truck	2	76	10%	360	0
Truck	2	76	10%	390	0
Truck	2	76	10%	420	0
Truck	2	76	10%	450	0
Truck	2	76	10%	480	0
	25				

Receptor: ***R10***

Results:

1-hour Leq: **66.3**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: TVCity

Construction Phase: ***Trucks Staging***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Truck	1	76	10%	65	0
Truck	2	76	10%	100	0
Truck	2	76	10%	135	0
Truck	2	76	10%	170	0
Truck	2	76	10%	205	0
Truck	2	76	10%	240	0
Truck	2	76	10%	275	0
Truck	2	76	10%	310	0
Truck	2	76	10%	345	0
Truck	2	76	10%	380	0
Truck	2	76	10%	415	0
Truck	2	76	10%	450	0
Truck	2	76	10%	485	0
	25				

Receptor: ***R11***

Results:

1-hour Leq: **69.0**

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
Acoustical Engineering Services

Project: TVCity

Off-Site Haul Trucks

Phase	Maximum Number of Truck One Way Trips (delivery/haul) Per Day	Per Hour (8-hr day)	Estimated Project Noise Levels (From TNM Outputs), Leq(hr) Fairfax (daytime)	Fairfax (nighttime)	Normandie	Venice	Vermont	La Brea (daytime)	La Brea (nighttime)	San Vicente (daytime)	San Vicente (nighttime)	Beverly (daytime)	Beverly (nighttime)
1. Demolition	80	10	60.6	--	--	--	--	59.4	--	58.5	--	59.4	--
2. Grading/Excavation	640	107	70.9	--	69.6	65.8	69.6	69.7	--	68.8	--	69.7	--
3. Mat Foundation (cont. pour)	1000	50	67.6	67.6	--	--	--	66.4	66.4	65.5	65.5	66.4	66.4
4. Structure/Enclosure	100	13	61.8	--	--	--	--	60.6	--	59.6	--	60.6	--
5. Arch. Coating/Finishing	60	8	59.7	--	--	--	--	58.4	--	57.5	--	58.4	--
6. Paving/Landscape	10	2	53.6	--	--	--	--	52.4	--	51.5	--	52.4	--
** Haul trucks on Normandie, Venice and Vemont are one-way*			66.9	62.0	67.5	67.5	67.5	66.9	62.0	66.9	62.0	67.7	65.8
*** 8-hours for delivery trucks*			71.9	67.0	72.5	72.5	72.5	71.9	67.0	71.9	67.0	72.7	70.8
*** 6-hours for haul trucks (grading)*													
**** 20-hours for concrete trucks (mat concrete pour)*													

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

	Fairfax (daytime)	Fairfax (nighttime)	Normandie	Venice	Vermont	La Brea (daytime)	La Brea (nighttime)	San Vicente (daytime)	San Vicente (nighttime)	Beverly (daytime)	Beverly (nighttime)
1. Demolition	67.8	--	--	--	--	67.6	--	67.5	--	68.3	--
2. Grading/Excavation	72.4	--	71.7	69.7	71.7	71.5	--	71.0	--	71.8	--
3. Mat Foundation (cont. pour)	70.3	68.7	--	--	--	69.7	67.7	69.3	67.1	70.1	69.1
4. Structure/Enclosure	68.1	--	--	--	--	67.8	--	67.6	--	68.5	--
5. Arch. Coating/Finishing	67.7	--	--	--	--	67.5	--	67.4	--	68.2	--
6. Paving/Landscape	67.1	--	--	--	--	67.1	--	67.0	--	67.8	--

Estimated Noise Increase, Leq(hr)

	Fairfax (daytime)	Fairfax (nighttime)	Normandie	Venice	Vermont	La Brea (daytime)	La Brea (nighttime)	San Vicente (daytime)	San Vicente (nighttime)	Beverly (daytime)	Beverly (nighttime)
1. Demolition	0.9	--	--	--	--	0.7	--	0.6	--	0.6	--
2. Grading/Excavation	5.5	--	4.2	2.2	4.2	4.6	--	4.1	--	4.1	--
3. Mat Foundation (cont. pour)	3.4	6.7	--	--	--	2.8	5.7	2.4	5.1	2.4	3.3
4. Structure/Enclosure	1.2	--	--	--	--	0.9	--	0.7	--	0.8	--
5. Arch. Coating/Finishing	0.8	--	--	--	--	0.6	--	0.5	--	0.5	--
6. Paving/Landscape	0.2	--	--	--	--	0.2	--	0.1	--	0.1	--
	5.5	6.7	4.2	2.2	4.2	4.6	5.7	4.1	5.1	4.1	3.3

Eyestone Environmental	23 June 2022
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	TVCity a State highway agency substantiates the use
RUN:	Off-site Construction - Demo of a different type with the approval of FHWA

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	Starting Po	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **23 June 2022**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **TVCity**
RUN: **Off-site Construction - Demo**

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	Ending Point	2										

Eyestone Environmental 23 June 2022
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Fairfax Ave.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y
La Brea and Beverly	12	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y
San Vicente	13	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

23 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Fairfax Ave.	1	1	0.0	60.6	71	60.6	5	----	60.6	0.0	0	0.0
La Brea and Beverly	12	1	0.0	59.4	66	59.4	10	----	59.4	0.0	8	-8.0
San Vicente	13	1	0.0	58.5	66	58.5	10	----	58.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction 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

Eyestone Environmental 23 June 2022
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Grading

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

Roadway		Points									
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	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **23 June 2022**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **TVCity**

RUN: **Off-site Construction - Grading**

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	0	0	0	0	107	35	0	0	0	0
	Ending Point	2										

Eyestone Environmental **23 June 2022**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **TVCity**
RUN: **Off-site Construction - Grading**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Fairfax Ave.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y
La Brea and Beverly	12	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y
San Vicente	13	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

23 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Fairfax Ave.	1	1	0.0	70.9	71	70.9	5	----	70.9	0.0	0	0.0
La Brea and Beverly	12	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0
San Vicente	13	1	0.0	68.8	66	68.8	10	Snd Lvl	68.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction 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

Eyestone Environmental 25 October 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Grading

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

Roadway		Points									
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	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **25 October 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **TVCity**
RUN: **Off-site Construction - Grading**

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	0	0	0	0	54	35	0	0	0	0
	Ending Point	2										

Eyestone Environmental 25 October 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Normandie and Vermont	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y
Venice	12	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

25 October 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Normandie and Vermont	1	1	0.0	69.6	71	69.6	5	----	69.6	0.0	0	0.0
Venice	12	1	0.0	65.8	66	65.8	10	----	65.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	2	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 23 June 2022
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Mat Pour

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

Roadway		Points									
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	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **23 June 2022**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **TVCity**

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

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	0	0	0	0	50	35	0	0	0	0
	Ending Point	2										

Eyestone Environmental **23 June 2022**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **TVCity**
RUN: **Off-site Construction - Mat Pour**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Fairfax Ave.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y
La Brea and Beverly	12	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y
San Vicente	13	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

23 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Mat Pour
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Fairfax Ave.	1	1	0.0	67.6	71	67.6	5	----	67.6	0.0	0	0.0
La Brea and Beverly	12	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
San Vicente	13	1	0.0	65.5	66	65.5	10	----	65.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction 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

Eyestone Environmental **23 June 2022**
Sean Bui **TNM 2.5**

INPUT: ROADWAYS
PROJECT/CONTRACT: **TVCity**
RUN: **Off-site Const. - Structure/Enclosure**

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

Roadway		Points					Flow Control				
Name	Width	Name	No.	Coordinates (pavement)			Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
				X	Y	Z					
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	Starting Po	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **23 June 2022**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **TVCity**

RUN: **Off-site Const. - Structure/Enclosure**

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	Ending Point	2										

Eyestone Environmental **23 June 2022**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **TVCity**
RUN: **Off-site Const. - Structure/Enclosure**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Fairfax Ave.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y
La Brea and Beverly	12	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y
San Vicente	13	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

23 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Off-site Const. - Structure/Enclosure
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Fairfax Ave.	1	1	0.0	61.8	71	61.8	5	----	61.8	0.0	0	0.0
La Brea and Beverly	12	1	0.0	60.6	66	60.6	10	----	60.6	0.0	8	-8.0
San Vicente	13	1	0.0	59.6	66	59.6	10	----	59.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction 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

Eyestone Environmental	**23 June 2022**
Sean Bui	**TNM 2.5**

INPUT: ROADWAYS	**Average pavement type shall be used unless**
PROJECT/CONTRACT:	**TVCity** **a State highway agency substantiates the use**
RUN:	**Off-site Construction - Arch. Coat/Finish** **of a different type with the approval of FHWA**

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	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **23 June 2022**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **TVCity**

RUN: **Off-site Construction - Arch. Coat/Finish**

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	0	0	0	0	8	35	0	0	0	0
	Ending Point	2										

Eyestone Environmental **23 June 2022**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **TVCity**
RUN: **Off-site Construction - Arch. Coat/Finish**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Fairfax Ave.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y
La Brea and Beverly	12	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y
San Vicente	13	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

23 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Arch. Coat/Finish
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Fairfax Ave.	1	1	0.0	59.7	71	59.7	5	----	59.7	0.0	0	0.0
La Brea and Beverly	12	1	0.0	58.4	66	58.4	10	----	58.4	0.0	8	-8.0
San Vicente	13	1	0.0	57.5	66	57.5	10	----	57.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction 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

Eyestone Environmental				**23 June 2022**							
Sean Bui				**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**TVCity**						**a State highway agency substantiates the use**				
RUN:	**Construction Workers - Arch. Coat/Finish**						**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	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **23 June 2022**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **TVCity**

RUN: **Construction Workers - Arch. Coat/Finish**

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	740	35	0	0	0	0	0	0	0	0
	Ending Point	2										

Eyestone Environmental **23 June 2022**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **TVCity**
RUN: **Construction Workers - Arch. Coat/Finish**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Fairfax Ave.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y
La Brea and Beverly	13	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y
San Vicente	14	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

23 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Construction Workers - Arch. Coat/Finish
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Fairfax Ave.	1	1	0.0	66.2	71	66.2	5	----	66.2	0.0	0	0.0
La Brea and Beverly	13	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0
San Vicente	14	1	0.0	64.1	66	64.1	10	----	64.1	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction 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

Eyestone Environmental 23 June 2022
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Paving/Landscape

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

Roadway		Points									
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	Starting Po	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		Ending Po	2	1,000.0	0.0	0.00					

Eyestone Environmental **23 June 2022**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **TVCity**

RUN: **Off-site Construction - Paving/Landscape**

Roadway	Points		Segment									
Name	Name	No.	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	Starting Point	1	0	0	0	0	2	35	0	0	0	0
	Ending Point	2										

Eyestone Environmental 23 June 2022
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Paving/Landscape

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Fairfax Ave.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y
La Brea and Beverly	12	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y
San Vicente	13	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

23 June 2022
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: TVCity
RUN: Off-site Construction - Paving/Landscape
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Fairfax Ave.	1	1	0.0	53.6	71	53.6	5	----	53.6	0.0	0	0.0
La Brea and Beverly	12	1	0.0	52.4	66	52.4	10	----	52.4	0.0	8	-8.0
San Vicente	13	1	0.0	51.5	66	51.5	10	----	51.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction 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

Project: TVCity

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											
		Commercial Buildings to the North		Multi-story Parking Structure to the South		Commercial Buildings to the South		Multi-story residential building to the East		Single-Story Commercial buildings to the West		The Original Farmer's Market to the South	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	0.089	95	0.012	20	0.114	30	0.068	20	0.114	95	0.012	670	0.001
Caisson Drilling	0.089	95	0.012	20	0.114	30	0.068	20	0.114	95	0.012	670	0.001
Loaded Trucks	0.076	95	0.010	20	0.097	30	0.058	20	0.097	95	0.010	670	0.001
Jackhammer	0.035	95	0.005	20	0.0447	30	0.027	20	0.045	95	0.005	670	0.000
Small bulldozer	0.003	95	0.000	20	0.004	30	0.0023	20	0.004	95	0.000	670	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											
		Rancho La Brea Adobe (Gilmore Adobe) to the South		Chase Bank to the North		Fairfax Theater to the Northwest		Air Raide Siren No. 25 to the North					
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	0.089	100	0.011	100	0.011	140	0.007	190	0.004				
Caisson Drilling	0.089	100	0.011	100	0.011	140	0.007	190	0.004				
Loaded Trucks	0.076	100	0.010	100	0.010	140	0.006	190	0.004				
Jackhammer	0.035	100	0.004	100	0.0044	140	0.003	190	0.002				
Small bulldozer	0.003	100	0.000	100	0.000	140	0.0002	190	0.000				

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

Equipment	Reference Vibration Levels at 25 ft., VdB	Estimated Vibration Levels at Off-Site Receptors (at note distance in feet), VdB											
		R1		R2		R3		R4		R5		R6	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	87	20	89.2	75	72.7	95	69.6	195	60.2	220	58.7	375	51.7
Caisson Drilling	87	20	89.2	75	72.7	95	69.6	195	60.2	220	58.7	375	51.7
Loaded Trucks	86	20	88.2	75	71.7	95	68.6	195	59.2	220	57.7	375	50.7
Jackhammer	79	20	81.2	75	64.7	95	61.6	195	52.2	220	50.7	375	43.7
Small bulldozer	58	20	60.2	75	43.7	95	40.6	195	31.2	220	29.7	375	22.7

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

Equipment	Reference Vibration Levels at 25 ft., VdB	Estimated Vibration Levels at Off-Site Receptors (at note distance in feet), VdB											
		R7		R8									
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	87	230	58.1	95	69.6								
Caisson Drilling	87	230	58.1	95	69.6								
Loaded Trucks	86	230	57.1	95	68.6								
Jackhammer	79	230	50.1	95	61.6								
Small bulldozer	58	230	29.1	95	40.6								

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	25										
Typical road surface	0.00565	0.022	0.016										

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

Table 4: Off-Site Haul Trucks - Human Annoyance

Equipment	Reference Vibration Levels at 50 ft., VdB	Estimated Vibration Levels at noted distance in feet, VdB											
		24	30	55									
Typical road surface	63	72.6	69.7	61.8									

Ref. Levels based on FTA Figure 7-3

Operation Noise Calculations

AES
ACOUSTICAL ENGINEERING SERVICES

Project Composite Noise Calculations (CNEL)

Project: TVCity 2050

Receptor	Ambient	Mechanical	Outdoor Spaces	Parking	Loading	Traffic[a]		Project Composite	Ambient + Project	Increase
R1	62.3	49.4	53.4	54.6	61.3	51.3		63.1	65.8	3.5
R1U	62.3	55.3	57.6	58.6	59.2	51.3		64.1	66.3	4.0
R2	65.9	43.2	50.5	52.1	51.5	59.1		61.0	67.1	1.2
R3	72.4	43.7	60.8	40.2	55.7	58.9		63.8	73.0	0.6
R4	70.9	38.1	52.7	36.8	45.8	58.9		60.0	71.2	0.3
R5	62.7	46.4	61.6	41.7	56.8	43.8		63.0	65.9	3.2
R6	60.9	41.7	55.5	28.2	38.8	40.5		55.9	62.1	1.2
R7	58.7	48.0	58.2	37.1	52.9	51.2		60.2	62.5	3.8
R8	70.1	46.5	50.1	40.0	40.1	56.5		57.9	70.4	0.3
R8U	70.1	51.4	56.4	41.8	39.4	56.5		60.2	70.5	0.4

[a] - traffic noise levels at each receptor is based on the traffic noise analysis for the roadway segment in front of the receptor.

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	Beverly	62.8	63.1	51.3	250	70.8	71.1	0	45	-8.0
R1U	Beverly	62.8	63.1	51.3	250	70.8	71.1	0	45	-8.0
R2	The Grove Drive	65.0	66.0	59.1	20	66.1	67.1	0	35	-1.1
R3	Beverly	70.3	70.6	58.9	15	70.8	71.1	0	45	-0.5
R4	Beverly	70.3	70.6	58.9	15	70.8	71.1	0	45	-0.5
R5	Beverly	55.2	55.5	43.8	135	71.0	71.3	10	45	-5.8
R6	Beverly	53.7	53.9	40.5	200	70.9	71.1	10	45	-7.2
R7	Fairfax	64.4	64.6	51.2	160	71.2	71.4	0	40	-6.8
R8	Fairfax	69.8	70.0	56.5	25	71.2	71.4	0	40	-1.4
R8U	Fairfax	69.8	70.0	56.5	25	71.2	71.4	0	40	-1.4

FOR REPORT

Receptor	Ambient	Mechanical	Outdoor Spaces	Parking	Loading	Traffic[a]	Project Composite	Ambient + Project	Increase	Threshold
R1	62.3	55.3	57.6	58.6	61.3	51.3	64.1	66.3	4.0	67.3
R2	65.9	43.2	50.5	52.1	51.5	59.1	61.0	67.1	1.2	70.9
R3	72.4	43.7	60.8	40.2	55.7	58.9	63.8	73.0	0.6	75.4
R4	70.9	38.1	52.7	36.8	45.8	58.9	60.0	71.2	0.3	73.9
R5	62.7	46.4	61.6	41.7	56.8	43.8	63.0	65.9	3.2	67.7
R6	60.9	41.7	55.5	28.2	38.8	40.5	55.9	62.1	1.2	65.9
R7	58.7	48.0	58.2	37.1	52.9	51.2	60.2	62.5	3.8	63.7
R8	70.1	51.4	56.4	41.8	40.1	56.5	60.2	70.5	0.4	73.1

AES
ACOUSTICAL ENGINEERING SERVICES

Outdoor Mechanical Equipment Noise Calculations

Project: TVCity 2050

	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	48.6	55.3	48.6	48.6	48.6
R2	36.5	43.2	36.5	36.5	36.5
R3	37.0	43.7	37.0	37.0	37.0
R4	31.4	38.1	31.4	31.4	31.4
R5	39.7	46.4	39.7	39.7	39.7
R6	35.0	41.7	35.0	35.0	35.0
R7	41.3	48.0	41.3	41.3	41.3
R8	39.8	46.5	39.8	39.8	39.8
R8U	44.7	51.4	44.7	44.7	44.7

U - represents upper levels

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	62.3	62.5	0.2	53.3	53.7	0.4
R1U	62.3	63.1	0.8	53.3	54.6	1.3
R2	65.9	65.9	0.0	60.7	60.7	0.0
R3	72.4	72.4	0.0	67.5	67.5	0.0
R4	70.9	70.9	0.0	65.8	65.8	0.0
R5	62.7	62.8	0.1	57.8	57.9	0.1
R6	60.9	61.0	0.1	54.2	54.3	0.1
R7	58.7	59.1	0.4	53.1	53.4	0.3
R8	70.1	70.1	0.0	65.0	65.0	0.0
R8U	70.1	70.2	0.1	65.0	65.0	0.0

FOR REPORT

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Significance threshold (Leq)
R1	53.3	48.6	54.6	1.3	58.3
R2	60.7	36.5	60.7	0.0	65.7
R3	67.5	37.0	67.5	0.0	72.5
R4	65.8	31.4	65.8	0.0	70.8
R5	57.8	39.7	57.9	0.1	62.8
R6	54.2	35.0	54.3	0.1	59.2
R7	53.1	41.3	53.4	0.3	58.1
R8	65.0	44.7	65.0	0.0	70.0

AES
ACOUSTICAL ENGINEERING SERVICES

Outdoor Gathering Noise Calculations

Project: TVCity 2050

					Hours of Operations		
	Estimated noise levels, Leq (FROM SOUNDPLAN)				Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Sound System	Occupants	Total, Leq	CNEL	12	**3**	**2**
R1	50.8	38.0	51.0	53.4	51.0	51.0	44.5
R1U	54.9	43.5	55.2	57.6	55.2	55.2	48.7
R2	47.9	34.7	48.1	50.5	48.1	48.1	41.6
R3	58.3	40.2	58.4	60.8	58.4	58.4	51.9
R4	50.2	35.5	50.3	52.7	50.3	50.3	43.8
R5	59.0	46.0	59.2	61.6	59.2	59.2	52.7
R6	53.0	37.8	53.1	55.5	53.1	53.1	46.6
R7	55.6	42.9	55.8	58.2	55.8	55.8	49.3
R8	47.3	37.6	47.7	50.1	47.7	47.7	41.2
R8U	53.5	43.9	54.0	56.4	54.0	54.0	47.5

U - represents upper levels

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	62.3	62.8	0.5	53.3	55.3	2.0
R1U	62.3	63.6	1.3	53.3	57.4	4.1
R2	65.9	66.0	0.1	60.7	60.9	0.2
R3	72.4	72.7	0.3	67.5	68.0	0.5
R4	70.9	71.0	0.1	65.8	65.9	0.1
R5	62.7	65.2	2.5	57.8	61.6	3.8
R6	60.9	62.0	1.1	54.2	56.7	2.5
R7	58.7	61.5	2.8	53.1	57.7	4.6
R8	70.1	70.1	0.0	65.0	65.1	0.1
R8U	70.1	70.3	0.2	65.0	65.3	0.3

FOR REPORT

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Significance threshold (Leq)
R1	53.3	55.2	57.4	4.1	58.3
R2	60.7	48.1	60.9	0.2	65.7
R3	67.5	58.4	68.0	0.5	72.5
R4	65.8	50.3	65.9	0.1	70.8
R5	57.8	59.2	61.6	3.8	62.8
R6	54.2	53.1	56.7	2.5	59.2
R7	53.1	55.8	57.7	4.6	58.1
R8	65.0	54.0	65.3	0.3	70.0

AES
ACOUSTICAL ENGINEERING SERVICES

Parking Structure Noise Calculations

Project: TVCity 2050

	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	4
R1	50.5	54.6	50.5	50.5	47.0
R1U	54.5	58.6	54.5	54.5	51.0
R2	48.0	52.1	48.0	48.0	44.5
R3	36.1	40.2	36.1	36.1	32.6
R4	32.7	36.8	32.7	32.7	29.2
R5	37.6	41.7	37.6	37.6	34.1
R6	24.1	28.2	24.1	24.1	20.6
R7	33.0	37.1	33.0	33.0	29.5
R8	35.9	40.0	35.9	35.9	32.4
R8U	37.7	41.8	37.7	37.7	34.2

U - represents upper levels

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	62.3	63.0	0.7	53.3	55.1	1.8
R1U	62.3	63.8	1.5	53.3	57.0	3.7
R2	65.9	66.1	0.2	60.7	60.9	0.2
R3	72.4	72.4	0.0	67.5	67.5	0.0
R4	70.9	70.9	0.0	65.8	65.8	0.0
R5	62.7	62.7	0.0	57.8	57.8	0.0
R6	60.9	60.9	0.0	54.2	54.2	0.0
R7	58.7	58.7	0.0	53.1	53.1	0.0
R8	70.1	70.1	0.0	65.0	65.0	0.0
R8U	70.1	70.1	0.0	65.0	65.0	0.0

FOR REPORT

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Significance threshold (Leq)
R1	53.3	54.5	57.0	3.7	58.3
R2	60.7	48.0	60.9	0.2	65.7
R3	67.5	36.1	67.5	0.0	72.5
R4	65.8	32.7	65.8	0.0	70.8
R5	57.8	37.6	57.8	0.0	62.8
R6	54.2	24.1	54.2	0.0	59.2
R7	53.1	33.0	53.1	0.0	58.1
R8	65.0	37.7	65.0	0.0	70.0

AES
Acoustical Engineering Services

Loading and Trash Compactor Noise Calculations

Project: TVCity 2050

LOADING

	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	3	3	0
R1	64.1	61.3	58.1	64.1	0.0
R1U	62.0	59.2	56.0	62.0	0.0
R2	54.3	51.5	48.3	54.3	0.0
R3	58.5	55.7	52.5	58.5	0.0
R4	48.6	45.8	42.6	48.6	0.0
R5	59.6	56.8	53.6	59.6	0.0
R6	41.6	38.8	35.6	41.6	0.0
R7	55.7	52.9	49.7	55.7	0.0
R8	42.9	40.1	36.9	42.9	0.0
R8U	42.2	39.4	36.2	42.2	0.0

U - represents upper levels

TRASH COMPACTOR (not used)

	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	3	3	0
R1	22.2	19.5	16.2	22.2	0.0
R1U	16.3	14.1	10.3	16.3	0.0
R2	19.8	17.3	13.8	19.8	0.0
R3	14.7	12.8	8.7	14.7	0.0
R4	15.1	13.1	9.1	15.1	0.0
R5	15.0	13.1	9.0	15.0	0.0
R6	17.0	14.7	11.0	17.0	0.0
R7	21.8	19.2	15.8	21.8	0.0
R8	24.0	21.3	18.0	24.0	0.0
R8U	23.6	20.9	17.6	23.6	0.0

Receptor	Project CNEL	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	Project Noise, (Leq)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	61.3	62.3	64.8	2.5	64.1	61.1	65.9	4.8
R1U	59.2	62.3	64.0	1.7	62.0	61.1	64.6	3.5
R2	51.5	65.9	66.1	0.2	54.3	62.8	63.4	0.6
R3	55.7	72.4	72.5	0.1	58.5	68.5	68.9	0.4
R4	45.8	70.9	70.9	0.0	48.6	67.7	67.8	0.1
R5	56.8	62.7	63.7	1.0	59.6	58.9	62.3	3.4
R6	38.8	60.9	60.9	0.0	41.6	60.4	60.5	0.1
R7	52.9	58.7	59.7	1.0	55.7	56.6	59.2	2.6
R8	40.1	70.1	70.1	0.0	43.0	66.9	66.9	0.0
R8U	39.4	70.1	70.1	0.0	42.3	66.9	66.9	0.0

FOR REPORT

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Significance threshold (Leq)
R1	61.1	64.1	65.9	4.8	66.1
R2	62.8	54.3	63.4	0.6	67.8
R3	68.5	58.5	68.9	0.4	73.5
R4	67.7	48.6	67.8	0.1	72.7
R5	58.9	59.6	62.3	3.4	63.9
R6	60.4	41.6	60.5	0.1	65.4
R7	56.6	55.7	59.2	2.6	61.6
R8	66.9	43.0	66.9	0.0	71.9

TVCity
Source Levels in dB(A) - Mechanical

Name	Source type	Lw dB(A)	
Mechanical - Interior	Point	90.0	
Mechanical - Interior	Point	90.0	
Mechanical - Interior	Point	90.0	
Mechanical - Interior	Point	90.0	
Mechanical - Interior	Point	90.0	
Mechanical - Interior	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (E)	Point	90.0	
Mechanical - Perimeter (N)	Point	90.0	
Mechanical - Perimeter (N)	Point	90.0	
Mechanical - Perimeter (N)	Point	90.0	
Mechanical - Perimeter (N)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (S)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	

TVCity
Source Levels in dB(A) - Mechanical

Name	Source type	Lw dB(A)	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	
Mechanical - Perimeter (W)	Point	90.0	

TVCity
Contribution level - Mechanical

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl G Leq,d 42.7 dB(A)			
Mechanical - Interior	Point	15.4	
Mechanical - Interior	Point	19.7	
Mechanical - Interior	Point	19.5	
Mechanical - Interior	Point	19.9	
Mechanical - Interior	Point	18.0	
Mechanical - Interior	Point	16.8	
Mechanical - Perimeter (E)	Point	30.0	
Mechanical - Perimeter (E)	Point	28.8	
Mechanical - Perimeter (E)	Point	32.1	
Mechanical - Perimeter (E)	Point	27.8	
Mechanical - Perimeter (E)	Point	29.3	
Mechanical - Perimeter (E)	Point	27.0	
Mechanical - Perimeter (E)	Point	25.3	
Mechanical - Perimeter (E)	Point	23.9	
Mechanical - Perimeter (E)	Point	36.9	
Mechanical - Perimeter (E)	Point	36.8	
Mechanical - Perimeter (E)	Point	28.5	
Mechanical - Perimeter (N)	Point	10.3	
Mechanical - Perimeter (N)	Point	25.3	
Mechanical - Perimeter (N)	Point	28.6	
Mechanical - Perimeter (N)	Point	9.8	
Mechanical - Perimeter (S)	Point	14.0	
Mechanical - Perimeter (S)	Point	13.6	
Mechanical - Perimeter (S)	Point	12.5	
Mechanical - Perimeter (S)	Point	13.9	
Mechanical - Perimeter (S)	Point	12.0	
Mechanical - Perimeter (S)	Point	19.4	
Mechanical - Perimeter (S)	Point	19.4	
Mechanical - Perimeter (S)	Point	12.8	
Mechanical - Perimeter (S)	Point	20.7	
Mechanical - Perimeter (S)	Point	16.7	
Mechanical - Perimeter (W)	Point	10.2	
Mechanical - Perimeter (W)	Point	11.7	
Mechanical - Perimeter (W)	Point	15.1	
Mechanical - Perimeter (W)	Point	9.7	
Mechanical - Perimeter (W)	Point	10.1	
Mechanical - Perimeter (W)	Point	15.5	
Mechanical - Perimeter (W)	Point	9.0	
Mechanical - Perimeter (W)	Point	9.7	
Mechanical - Perimeter (W)	Point	10.3	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (W)	Point	10.5	
Mechanical - Perimeter (W)	Point	9.5	
Mechanical - Perimeter (W)	Point	9.2	
Receiver R1 Fl F2 Leq,d 48.6 dB(A)			
Mechanical - Interior	Point	7.8	
Mechanical - Interior	Point	23.5	
Mechanical - Interior	Point	23.3	
Mechanical - Interior	Point	22.7	
Mechanical - Interior	Point	21.2	
Mechanical - Interior	Point	8.9	
Mechanical - Perimeter (E)	Point	34.4	
Mechanical - Perimeter (E)	Point	31.2	
Mechanical - Perimeter (E)	Point	40.2	
Mechanical - Perimeter (E)	Point	35.0	
Mechanical - Perimeter (E)	Point	36.0	
Mechanical - Perimeter (E)	Point	32.1	
Mechanical - Perimeter (E)	Point	31.3	
Mechanical - Perimeter (E)	Point	31.3	
Mechanical - Perimeter (E)	Point	42.7	
Mechanical - Perimeter (E)	Point	42.8	
Mechanical - Perimeter (E)	Point	34.3	
Mechanical - Perimeter (N)	Point	13.8	
Mechanical - Perimeter (N)	Point	30.9	
Mechanical - Perimeter (N)	Point	31.7	
Mechanical - Perimeter (N)	Point	13.2	
Mechanical - Perimeter (S)	Point	9.9	
Mechanical - Perimeter (S)	Point	9.5	
Mechanical - Perimeter (S)	Point	8.4	
Mechanical - Perimeter (S)	Point	9.6	
Mechanical - Perimeter (S)	Point	7.4	
Mechanical - Perimeter (S)	Point	27.1	
Mechanical - Perimeter (S)	Point	24.8	
Mechanical - Perimeter (S)	Point	8.6	
Mechanical - Perimeter (S)	Point	29.5	
Mechanical - Perimeter (S)	Point	21.3	
Mechanical - Perimeter (W)	Point	6.2	
Mechanical - Perimeter (W)	Point	5.7	
Mechanical - Perimeter (W)	Point	19.3	
Mechanical - Perimeter (W)	Point	5.0	
Mechanical - Perimeter (W)	Point	5.4	
Mechanical - Perimeter (W)	Point	19.7	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (W)	Point	4.6	
Mechanical - Perimeter (W)	Point	4.8	
Mechanical - Perimeter (W)	Point	13.8	
Mechanical - Perimeter (W)	Point	5.7	
Mechanical - Perimeter (W)	Point	5.3	
Mechanical - Perimeter (W)	Point	4.4	
Receiver R1b Fl G Leq,d 37.2 dB(A)			
Mechanical - Interior	Point	9.2	
Mechanical - Interior	Point	18.6	
Mechanical - Interior	Point	21.1	
Mechanical - Interior	Point	12.3	
Mechanical - Interior	Point	11.3	
Mechanical - Interior	Point	8.7	
Mechanical - Perimeter (E)	Point	18.0	
Mechanical - Perimeter (E)	Point	16.2	
Mechanical - Perimeter (E)	Point	19.8	
Mechanical - Perimeter (E)	Point	27.0	
Mechanical - Perimeter (E)	Point	19.3	
Mechanical - Perimeter (E)	Point	18.6	
Mechanical - Perimeter (E)	Point	18.0	
Mechanical - Perimeter (E)	Point	31.5	
Mechanical - Perimeter (E)	Point	18.0	
Mechanical - Perimeter (E)	Point	17.7	
Mechanical - Perimeter (E)	Point	29.0	
Mechanical - Perimeter (N)	Point	4.6	
Mechanical - Perimeter (N)	Point	13.1	
Mechanical - Perimeter (N)	Point	13.6	
Mechanical - Perimeter (N)	Point	4.2	
Mechanical - Perimeter (S)	Point	18.2	
Mechanical - Perimeter (S)	Point	26.0	
Mechanical - Perimeter (S)	Point	11.6	
Mechanical - Perimeter (S)	Point	9.6	
Mechanical - Perimeter (S)	Point	10.3	
Mechanical - Perimeter (S)	Point	24.3	
Mechanical - Perimeter (S)	Point	24.7	
Mechanical - Perimeter (S)	Point	10.7	
Mechanical - Perimeter (S)	Point	27.1	
Mechanical - Perimeter (S)	Point	20.3	
Mechanical - Perimeter (W)	Point	5.0	
Mechanical - Perimeter (W)	Point	4.5	
Mechanical - Perimeter (W)	Point	4.5	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (W)	Point	7.0	
Mechanical - Perimeter (W)	Point	7.4	
Mechanical - Perimeter (W)	Point	5.0	
Mechanical - Perimeter (W)	Point	6.5	
Mechanical - Perimeter (W)	Point	4.0	
Mechanical - Perimeter (W)	Point	3.9	
Mechanical - Perimeter (W)	Point	7.5	
Mechanical - Perimeter (W)	Point	7.1	
Mechanical - Perimeter (W)	Point	6.4	
Receiver R1b Fl F2 Leq,d 48.4 dB(A)			
Mechanical - Interior	Point	9.4	
Mechanical - Interior	Point	24.6	
Mechanical - Interior	Point	24.6	
Mechanical - Interior	Point	22.9	
Mechanical - Interior	Point	16.7	
Mechanical - Interior	Point	8.7	
Mechanical - Perimeter (E)	Point	35.8	
Mechanical - Perimeter (E)	Point	33.8	
Mechanical - Perimeter (E)	Point	39.3	
Mechanical - Perimeter (E)	Point	39.5	
Mechanical - Perimeter (E)	Point	37.3	
Mechanical - Perimeter (E)	Point	33.5	
Mechanical - Perimeter (E)	Point	33.2	
Mechanical - Perimeter (E)	Point	34.5	
Mechanical - Perimeter (E)	Point	38.0	
Mechanical - Perimeter (E)	Point	37.6	
Mechanical - Perimeter (E)	Point	37.4	
Mechanical - Perimeter (N)	Point	18.7	
Mechanical - Perimeter (N)	Point	29.1	
Mechanical - Perimeter (N)	Point	32.1	
Mechanical - Perimeter (N)	Point	17.9	
Mechanical - Perimeter (S)	Point	28.4	
Mechanical - Perimeter (S)	Point	29.5	
Mechanical - Perimeter (S)	Point	24.1	
Mechanical - Perimeter (S)	Point	8.2	
Mechanical - Perimeter (S)	Point	22.9	
Mechanical - Perimeter (S)	Point	34.0	
Mechanical - Perimeter (S)	Point	34.6	
Mechanical - Perimeter (S)	Point	8.2	
Mechanical - Perimeter (S)	Point	32.4	
Mechanical - Perimeter (S)	Point	34.1	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (W)	Point	4.9	
Mechanical - Perimeter (W)	Point	4.5	
Mechanical - Perimeter (W)	Point	4.6	
Mechanical - Perimeter (W)	Point	8.3	
Mechanical - Perimeter (W)	Point	7.1	
Mechanical - Perimeter (W)	Point	6.7	
Mechanical - Perimeter (W)	Point	4.1	
Mechanical - Perimeter (W)	Point	4.0	
Mechanical - Perimeter (W)	Point	15.8	
Mechanical - Perimeter (W)	Point	4.9	
Mechanical - Perimeter (W)	Point	4.5	
Mechanical - Perimeter (W)	Point	7.5	
Receiver R2 Fl G Leq,d 36.5 dB(A)			
Mechanical - Interior	Point	7.0	
Mechanical - Interior	Point	22.0	
Mechanical - Interior	Point	22.0	
Mechanical - Interior	Point	12.2	
Mechanical - Interior	Point	9.3	
Mechanical - Interior	Point	6.3	
Mechanical - Perimeter (E)	Point	16.9	
Mechanical - Perimeter (E)	Point	15.8	
Mechanical - Perimeter (E)	Point	27.7	
Mechanical - Perimeter (E)	Point	29.2	
Mechanical - Perimeter (E)	Point	22.9	
Mechanical - Perimeter (E)	Point	17.8	
Mechanical - Perimeter (E)	Point	19.0	
Mechanical - Perimeter (E)	Point	20.0	
Mechanical - Perimeter (E)	Point	20.7	
Mechanical - Perimeter (E)	Point	17.2	
Mechanical - Perimeter (E)	Point	26.3	
Mechanical - Perimeter (N)	Point	7.1	
Mechanical - Perimeter (N)	Point	12.1	
Mechanical - Perimeter (N)	Point	13.2	
Mechanical - Perimeter (N)	Point	7.0	
Mechanical - Perimeter (S)	Point	18.3	
Mechanical - Perimeter (S)	Point	18.1	
Mechanical - Perimeter (S)	Point	17.5	
Mechanical - Perimeter (S)	Point	19.4	
Mechanical - Perimeter (S)	Point	16.1	
Mechanical - Perimeter (S)	Point	20.6	
Mechanical - Perimeter (S)	Point	18.7	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (S)	Point	18.2	
Mechanical - Perimeter (S)	Point	26.0	
Mechanical - Perimeter (S)	Point	26.6	
Mechanical - Perimeter (W)	Point	3.5	
Mechanical - Perimeter (W)	Point	3.1	
Mechanical - Perimeter (W)	Point	3.0	
Mechanical - Perimeter (W)	Point	15.6	
Mechanical - Perimeter (W)	Point	15.3	
Mechanical - Perimeter (W)	Point	3.6	
Mechanical - Perimeter (W)	Point	2.6	
Mechanical - Perimeter (W)	Point	2.6	
Mechanical - Perimeter (W)	Point	2.5	
Mechanical - Perimeter (W)	Point	3.6	
Mechanical - Perimeter (W)	Point	3.1	
Mechanical - Perimeter (W)	Point	9.8	
Receiver R3 Fl G Leq,d 37.0 dB(A)			
Mechanical - Interior	Point	8.1	
Mechanical - Interior	Point	12.4	
Mechanical - Interior	Point	11.4	
Mechanical - Interior	Point	11.2	
Mechanical - Interior	Point	12.5	
Mechanical - Interior	Point	21.2	
Mechanical - Perimeter (E)	Point	26.2	
Mechanical - Perimeter (E)	Point	17.1	
Mechanical - Perimeter (E)	Point	13.4	
Mechanical - Perimeter (E)	Point	12.5	
Mechanical - Perimeter (E)	Point	13.0	
Mechanical - Perimeter (E)	Point	18.2	
Mechanical - Perimeter (E)	Point	14.5	
Mechanical - Perimeter (E)	Point	17.1	
Mechanical - Perimeter (E)	Point	30.4	
Mechanical - Perimeter (E)	Point	16.3	
Mechanical - Perimeter (E)	Point	12.2	
Mechanical - Perimeter (N)	Point	22.3	
Mechanical - Perimeter (N)	Point	24.0	
Mechanical - Perimeter (N)	Point	26.9	
Mechanical - Perimeter (N)	Point	20.0	
Mechanical - Perimeter (S)	Point	8.0	
Mechanical - Perimeter (S)	Point	7.5	
Mechanical - Perimeter (S)	Point	6.9	
Mechanical - Perimeter (S)	Point	8.8	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (S)	Point	6.3	
Mechanical - Perimeter (S)	Point	10.1	
Mechanical - Perimeter (S)	Point	10.0	
Mechanical - Perimeter (S)	Point	7.3	
Mechanical - Perimeter (S)	Point	17.4	
Mechanical - Perimeter (S)	Point	11.3	
Mechanical - Perimeter (W)	Point	26.2	
Mechanical - Perimeter (W)	Point	25.4	
Mechanical - Perimeter (W)	Point	25.8	
Mechanical - Perimeter (W)	Point	4.5	
Mechanical - Perimeter (W)	Point	4.8	
Mechanical - Perimeter (W)	Point	26.7	
Mechanical - Perimeter (W)	Point	4.6	
Mechanical - Perimeter (W)	Point	19.5	
Mechanical - Perimeter (W)	Point	20.5	
Mechanical - Perimeter (W)	Point	5.4	
Mechanical - Perimeter (W)	Point	5.0	
Mechanical - Perimeter (W)	Point	4.0	
Receiver R4 Fl G Leq,d 31.4 dB(A)			
Mechanical - Interior	Point	7.6	
Mechanical - Interior	Point	16.2	
Mechanical - Interior	Point	15.4	
Mechanical - Interior	Point	8.3	
Mechanical - Interior	Point	10.0	
Mechanical - Interior	Point	8.0	
Mechanical - Perimeter (E)	Point	17.1	
Mechanical - Perimeter (E)	Point	18.2	
Mechanical - Perimeter (E)	Point	18.7	
Mechanical - Perimeter (E)	Point	13.4	
Mechanical - Perimeter (E)	Point	14.3	
Mechanical - Perimeter (E)	Point	16.4	
Mechanical - Perimeter (E)	Point	16.7	
Mechanical - Perimeter (E)	Point	13.8	
Mechanical - Perimeter (E)	Point	20.0	
Mechanical - Perimeter (E)	Point	18.1	
Mechanical - Perimeter (E)	Point	13.4	
Mechanical - Perimeter (N)	Point	22.1	
Mechanical - Perimeter (N)	Point	20.3	
Mechanical - Perimeter (N)	Point	21.2	
Mechanical - Perimeter (N)	Point	20.3	
Mechanical - Perimeter (S)	Point	6.2	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (S)	Point	5.9	
Mechanical - Perimeter (S)	Point	5.2	
Mechanical - Perimeter (S)	Point	6.9	
Mechanical - Perimeter (S)	Point	4.5	
Mechanical - Perimeter (S)	Point	10.7	
Mechanical - Perimeter (S)	Point	8.9	
Mechanical - Perimeter (S)	Point	5.4	
Mechanical - Perimeter (S)	Point	9.8	
Mechanical - Perimeter (S)	Point	7.0	
Mechanical - Perimeter (W)	Point	5.4	
Mechanical - Perimeter (W)	Point	7.9	
Mechanical - Perimeter (W)	Point	10.5	
Mechanical - Perimeter (W)	Point	2.8	
Mechanical - Perimeter (W)	Point	3.2	
Mechanical - Perimeter (W)	Point	10.7	
Mechanical - Perimeter (W)	Point	2.8	
Mechanical - Perimeter (W)	Point	4.7	
Mechanical - Perimeter (W)	Point	20.4	
Mechanical - Perimeter (W)	Point	3.9	
Mechanical - Perimeter (W)	Point	3.2	
Mechanical - Perimeter (W)	Point	2.4	
Receiver R5 Fl G Leq,d 39.7 dB(A)			
Mechanical - Interior	Point	18.1	
Mechanical - Interior	Point	18.3	
Mechanical - Interior	Point	17.9	
Mechanical - Interior	Point	31.4	
Mechanical - Interior	Point	30.7	
Mechanical - Interior	Point	18.4	
Mechanical - Perimeter (E)	Point	23.8	
Mechanical - Perimeter (E)	Point	25.2	
Mechanical - Perimeter (E)	Point	18.5	
Mechanical - Perimeter (E)	Point	18.4	
Mechanical - Perimeter (E)	Point	23.1	
Mechanical - Perimeter (E)	Point	27.8	
Mechanical - Perimeter (E)	Point	26.9	
Mechanical - Perimeter (E)	Point	22.8	
Mechanical - Perimeter (E)	Point	22.7	
Mechanical - Perimeter (E)	Point	22.0	
Mechanical - Perimeter (E)	Point	23.5	
Mechanical - Perimeter (N)	Point	24.8	
Mechanical - Perimeter (N)	Point	22.6	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (N)	Point	23.4	
Mechanical - Perimeter (N)	Point	23.4	
Mechanical - Perimeter (S)	Point	8.2	
Mechanical - Perimeter (S)	Point	7.6	
Mechanical - Perimeter (S)	Point	7.6	
Mechanical - Perimeter (S)	Point	10.9	
Mechanical - Perimeter (S)	Point	9.9	
Mechanical - Perimeter (S)	Point	7.6	
Mechanical - Perimeter (S)	Point	16.0	
Mechanical - Perimeter (S)	Point	8.2	
Mechanical - Perimeter (S)	Point	9.2	
Mechanical - Perimeter (S)	Point	9.6	
Mechanical - Perimeter (W)	Point	28.0	
Mechanical - Perimeter (W)	Point	27.2	
Mechanical - Perimeter (W)	Point	25.0	
Mechanical - Perimeter (W)	Point	13.1	
Mechanical - Perimeter (W)	Point	8.1	
Mechanical - Perimeter (W)	Point	28.0	
Mechanical - Perimeter (W)	Point	18.0	
Mechanical - Perimeter (W)	Point	19.7	
Mechanical - Perimeter (W)	Point	17.8	
Mechanical - Perimeter (W)	Point	15.0	
Mechanical - Perimeter (W)	Point	26.0	
Mechanical - Perimeter (W)	Point	11.6	
Receiver R6 Fl G Leq,d 35.0 dB(A)			
Mechanical - Interior	Point	17.9	
Mechanical - Interior	Point	20.4	
Mechanical - Interior	Point	19.2	
Mechanical - Interior	Point	10.4	
Mechanical - Interior	Point	13.7	
Mechanical - Interior	Point	18.1	
Mechanical - Perimeter (E)	Point	22.9	
Mechanical - Perimeter (E)	Point	23.0	
Mechanical - Perimeter (E)	Point	18.5	
Mechanical - Perimeter (E)	Point	15.1	
Mechanical - Perimeter (E)	Point	15.2	
Mechanical - Perimeter (E)	Point	23.8	
Mechanical - Perimeter (E)	Point	20.0	
Mechanical - Perimeter (E)	Point	15.4	
Mechanical - Perimeter (E)	Point	19.4	
Mechanical - Perimeter (E)	Point	19.2	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (E)	Point	13.7	
Mechanical - Perimeter (N)	Point	22.8	
Mechanical - Perimeter (N)	Point	16.8	
Mechanical - Perimeter (N)	Point	19.2	
Mechanical - Perimeter (N)	Point	20.2	
Mechanical - Perimeter (S)	Point	5.8	
Mechanical - Perimeter (S)	Point	3.5	
Mechanical - Perimeter (S)	Point	4.1	
Mechanical - Perimeter (S)	Point	4.9	
Mechanical - Perimeter (S)	Point	4.6	
Mechanical - Perimeter (S)	Point	1.6	
Mechanical - Perimeter (S)	Point	1.3	
Mechanical - Perimeter (S)	Point	4.3	
Mechanical - Perimeter (S)	Point	2.9	
Mechanical - Perimeter (S)	Point	3.1	
Mechanical - Perimeter (W)	Point	19.4	
Mechanical - Perimeter (W)	Point	19.9	
Mechanical - Perimeter (W)	Point	22.1	
Mechanical - Perimeter (W)	Point	18.0	
Mechanical - Perimeter (W)	Point	16.6	
Mechanical - Perimeter (W)	Point	21.9	
Mechanical - Perimeter (W)	Point	18.9	
Mechanical - Perimeter (W)	Point	22.5	
Mechanical - Perimeter (W)	Point	23.2	
Mechanical - Perimeter (W)	Point	18.2	
Mechanical - Perimeter (W)	Point	19.3	
Mechanical - Perimeter (W)	Point	17.3	
Receiver R7 Fl G Leq,d 41.3 dB(A)			
Mechanical - Interior	Point	20.7	
Mechanical - Interior	Point	22.1	
Mechanical - Interior	Point	21.1	
Mechanical - Interior	Point	26.4	
Mechanical - Interior	Point	26.5	
Mechanical - Interior	Point	20.8	
Mechanical - Perimeter (E)	Point	6.8	
Mechanical - Perimeter (E)	Point	7.1	
Mechanical - Perimeter (E)	Point	13.5	
Mechanical - Perimeter (E)	Point	22.3	
Mechanical - Perimeter (E)	Point	23.3	
Mechanical - Perimeter (E)	Point	10.2	
Mechanical - Perimeter (E)	Point	11.6	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (E)	Point	22.4	
Mechanical - Perimeter (E)	Point	6.1	
Mechanical - Perimeter (E)	Point	5.8	
Mechanical - Perimeter (E)	Point	23.1	
Mechanical - Perimeter (N)	Point	21.0	
Mechanical - Perimeter (N)	Point	15.2	
Mechanical - Perimeter (N)	Point	17.0	
Mechanical - Perimeter (N)	Point	19.9	
Mechanical - Perimeter (S)	Point	8.6	
Mechanical - Perimeter (S)	Point	7.2	
Mechanical - Perimeter (S)	Point	8.3	
Mechanical - Perimeter (S)	Point	9.7	
Mechanical - Perimeter (S)	Point	9.5	
Mechanical - Perimeter (S)	Point	4.4	
Mechanical - Perimeter (S)	Point	4.0	
Mechanical - Perimeter (S)	Point	8.5	
Mechanical - Perimeter (S)	Point	6.2	
Mechanical - Perimeter (S)	Point	6.3	
Mechanical - Perimeter (W)	Point	22.8	
Mechanical - Perimeter (W)	Point	25.1	
Mechanical - Perimeter (W)	Point	25.1	
Mechanical - Perimeter (W)	Point	23.8	
Mechanical - Perimeter (W)	Point	22.4	
Mechanical - Perimeter (W)	Point	22.1	
Mechanical - Perimeter (W)	Point	32.8	
Mechanical - Perimeter (W)	Point	33.7	
Mechanical - Perimeter (W)	Point	34.3	
Mechanical - Perimeter (W)	Point	22.1	
Mechanical - Perimeter (W)	Point	24.5	
Mechanical - Perimeter (W)	Point	33.5	
Receiver R8 Fl G Leq,d 39.8 dB(A)			
Mechanical - Interior	Point	18.7	
Mechanical - Interior	Point	7.8	
Mechanical - Interior	Point	8.6	
Mechanical - Interior	Point	8.5	
Mechanical - Interior	Point	10.6	
Mechanical - Interior	Point	18.1	
Mechanical - Perimeter (E)	Point	4.9	
Mechanical - Perimeter (E)	Point	4.7	
Mechanical - Perimeter (E)	Point	4.6	
Mechanical - Perimeter (E)	Point	4.8	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (E)	Point	5.4	
Mechanical - Perimeter (E)	Point	5.3	
Mechanical - Perimeter (E)	Point	5.7	
Mechanical - Perimeter (E)	Point	6.2	
Mechanical - Perimeter (E)	Point	3.9	
Mechanical - Perimeter (E)	Point	4.1	
Mechanical - Perimeter (E)	Point	5.6	
Mechanical - Perimeter (N)	Point	14.8	
Mechanical - Perimeter (N)	Point	4.0	
Mechanical - Perimeter (N)	Point	3.7	
Mechanical - Perimeter (N)	Point	16.2	
Mechanical - Perimeter (S)	Point	9.9	
Mechanical - Perimeter (S)	Point	12.5	
Mechanical - Perimeter (S)	Point	15.0	
Mechanical - Perimeter (S)	Point	13.3	
Mechanical - Perimeter (S)	Point	18.8	
Mechanical - Perimeter (S)	Point	26.4	
Mechanical - Perimeter (S)	Point	25.8	
Mechanical - Perimeter (S)	Point	11.5	
Mechanical - Perimeter (S)	Point	18.4	
Mechanical - Perimeter (S)	Point	8.6	
Mechanical - Perimeter (W)	Point	19.6	
Mechanical - Perimeter (W)	Point	26.3	
Mechanical - Perimeter (W)	Point	25.7	
Mechanical - Perimeter (W)	Point	25.8	
Mechanical - Perimeter (W)	Point	20.9	
Mechanical - Perimeter (W)	Point	19.1	
Mechanical - Perimeter (W)	Point	31.8	
Mechanical - Perimeter (W)	Point	30.2	
Mechanical - Perimeter (W)	Point	31.0	
Mechanical - Perimeter (W)	Point	20.4	
Mechanical - Perimeter (W)	Point	24.4	
Mechanical - Perimeter (W)	Point	33.9	
Receiver R8 Fl F2 Leq,d 44.7 dB(A)			
Mechanical - Interior	Point	22.6	
Mechanical - Interior	Point	8.0	
Mechanical - Interior	Point	17.5	
Mechanical - Interior	Point	8.5	
Mechanical - Interior	Point	10.6	
Mechanical - Interior	Point	21.9	
Mechanical - Perimeter (E)	Point	4.9	

Source	Source type	Leq,d dB(A)	
Mechanical - Perimeter (E)	Point	5.0	
Mechanical - Perimeter (E)	Point	5.2	
Mechanical - Perimeter (E)	Point	5.5	
Mechanical - Perimeter (E)	Point	5.9	
Mechanical - Perimeter (E)	Point	5.3	
Mechanical - Perimeter (E)	Point	5.7	
Mechanical - Perimeter (E)	Point	6.2	
Mechanical - Perimeter (E)	Point	4.0	
Mechanical - Perimeter (E)	Point	4.0	
Mechanical - Perimeter (E)	Point	6.1	
Mechanical - Perimeter (N)	Point	23.1	
Mechanical - Perimeter (N)	Point	4.0	
Mechanical - Perimeter (N)	Point	3.8	
Mechanical - Perimeter (N)	Point	22.0	
Mechanical - Perimeter (S)	Point	16.4	
Mechanical - Perimeter (S)	Point	19.5	
Mechanical - Perimeter (S)	Point	21.5	
Mechanical - Perimeter (S)	Point	19.7	
Mechanical - Perimeter (S)	Point	25.5	
Mechanical - Perimeter (S)	Point	26.4	
Mechanical - Perimeter (S)	Point	26.0	
Mechanical - Perimeter (S)	Point	16.9	
Mechanical - Perimeter (S)	Point	24.6	
Mechanical - Perimeter (S)	Point	15.7	
Mechanical - Perimeter (W)	Point	27.4	
Mechanical - Perimeter (W)	Point	32.8	
Mechanical - Perimeter (W)	Point	32.3	
Mechanical - Perimeter (W)	Point	30.7	
Mechanical - Perimeter (W)	Point	27.8	
Mechanical - Perimeter (W)	Point	27.4	
Mechanical - Perimeter (W)	Point	36.8	
Mechanical - Perimeter (W)	Point	35.1	
Mechanical - Perimeter (W)	Point	34.3	
Mechanical - Perimeter (W)	Point	27.8	
Mechanical - Perimeter (W)	Point	30.3	
Mechanical - Perimeter (W)	Point	39.0	

Parking lot	PLT	Parking Spaces	
Parking Level 2	Visitors and staff	214	
Parking Level 3	Visitors and staff	214	
Parking Level 4	Visitors and staff	214	
Parking Level 5	Visitors and staff	280	
Parking Level 6	Visitors and staff	280	
Parking Level 7	Visitors and staff	280	
Parking Level 8	Visitors and staff	280	
Parking Level 9	Visitors and staff	280	
Parking Level 10	Visitors and staff	280	
Surface Parking	Visitors and staff	20	
Surface Parking	Visitors and staff	20	
Surface Parking	Visitors and staff	20	
Surface Parking	Visitors and staff	40	
Surface Parking	Visitors and staff	40	

TVCity
Source Levels in dB(A) - Parking

Name	Source type	Lw dB(A)	
Parking Level 2	PLot	96.6	
Parking Level 3	PLot	96.6	
Parking Level 4	PLot	96.6	
Parking Level 5	PLot	98.1	
Parking Level 6	PLot	98.1	
Parking Level 7	PLot	98.1	
Parking Level 8	PLot	98.1	
Parking Level 9	PLot	98.1	
Parking Level 10	PLot	98.1	
Surface Parking	PLot	87.2	
Surface Parking	PLot	87.2	
Surface Parking	PLot	83.1	
Surface Parking	PLot	83.1	
Surface Parking	PLot	83.1	

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl G Leq,d 46.1 dB(A)			
Parking Level 2	PLot	38.1	
Parking Level 3	PLot	37.3	
Parking Level 4	PLot	36.5	
Parking Level 5	PLot	37.4	
Parking Level 6	PLot	36.7	
Parking Level 7	PLot	36.0	
Parking Level 8	PLot	35.6	
Parking Level 9	PLot	35.1	
Parking Level 10	PLot	34.8	
Surface Parking	PLot	7.3	
Surface Parking	PLot	7.3	
Surface Parking	PLot	9.5	
Surface Parking	PLot	12.7	
Surface Parking	PLot	17.5	
Receiver R1 Fl F2 Leq,d 50.0 dB(A)			
Parking Level 2	PLot	38.6	
Parking Level 3	PLot	39.4	
Parking Level 4	PLot	40.6	
Parking Level 5	PLot	42.2	
Parking Level 6	PLot	41.5	
Parking Level 7	PLot	41.3	
Parking Level 8	PLot	40.6	
Parking Level 9	PLot	39.6	
Parking Level 10	PLot	38.4	
Surface Parking	PLot	5.7	
Surface Parking	PLot	3.0	
Surface Parking	PLot	5.6	
Surface Parking	PLot	12.2	
Surface Parking	PLot	16.6	
Receiver R1b Fl G Leq,d 50.5 dB(A)			
Parking Level 2	PLot	44.4	
Parking Level 3	PLot	42.8	
Parking Level 4	PLot	41.3	
Parking Level 5	PLot	41.7	
Parking Level 6	PLot	40.4	
Parking Level 7	PLot	39.6	
Parking Level 8	PLot	38.5	
Parking Level 9	PLot	37.3	
Parking Level 10	PLot	36.6	

Source	Source type	Leq,d dB(A)	
Surface Parking	PLot	5.5	
Surface Parking	PLot	7.4	
Surface Parking	PLot	17.9	
Surface Parking	PLot	5.1	
Surface Parking	PLot	8.6	
Receiver R1b Fl F2 Leq,d 54.5 dB(A)			
Parking Level 2	PLot	44.3	
Parking Level 3	PLot	45.5	
Parking Level 4	PLot	46.5	
Parking Level 5	PLot	48.2	
Parking Level 6	PLot	46.5	
Parking Level 7	PLot	44.4	
Parking Level 8	PLot	42.4	
Parking Level 9	PLot	40.9	
Parking Level 10	PLot	39.5	
Surface Parking	PLot	4.5	
Surface Parking	PLot	5.2	
Surface Parking	PLot	14.0	
Surface Parking	PLot	11.3	
Surface Parking	PLot	12.2	
Receiver R2 Fl G Leq,d 48.0 dB(A)			
Parking Level 2	PLot	41.6	
Parking Level 3	PLot	40.3	
Parking Level 4	PLot	38.7	
Parking Level 5	PLot	38.9	
Parking Level 6	PLot	37.8	
Parking Level 7	PLot	37.1	
Parking Level 8	PLot	36.3	
Parking Level 9	PLot	35.4	
Parking Level 10	PLot	34.6	
Surface Parking	PLot	16.1	
Surface Parking	PLot	4.5	
Surface Parking	PLot	25.1	
Surface Parking	PLot	6.5	
Surface Parking	PLot	9.0	
Receiver R3 Fl G Leq,d 36.1 dB(A)			
Parking Level 2	PLot	16.8	
Parking Level 3	PLot	17.6	
Parking Level 4	PLot	17.2	
Parking Level 5	PLot	18.2	

Source	Source type	Leq,d dB(A)	
Parking Level 6	PLot	18.8	
Parking Level 7	PLot	18.7	
Parking Level 8	PLot	18.2	
Parking Level 9	PLot	19.2	
Parking Level 10	PLot	18.3	
Surface Parking	PLot	23.0	
Surface Parking	PLot	1.3	
Surface Parking	PLot	4.0	
Surface Parking	PLot	26.1	
Surface Parking	PLot	34.6	
Receiver R4 Fl G Leq,d 32.7 dB(A)			
Parking Level 2	PLot	18.2	
Parking Level 3	PLot	19.2	
Parking Level 4	PLot	19.4	
Parking Level 5	PLot	21.1	
Parking Level 6	PLot	21.2	
Parking Level 7	PLot	21.3	
Parking Level 8	PLot	21.5	
Parking Level 9	PLot	21.5	
Parking Level 10	PLot	21.3	
Surface Parking	PLot	9.5	
Surface Parking	PLot	-1.0	
Surface Parking	PLot	2.2	
Surface Parking	PLot	16.4	
Surface Parking	PLot	28.8	
Receiver R5 Fl G Leq,d 37.6 dB(A)			
Parking Level 2	PLot	14.5	
Parking Level 3	PLot	15.4	
Parking Level 4	PLot	16.5	
Parking Level 5	PLot	19.5	
Parking Level 6	PLot	21.1	
Parking Level 7	PLot	22.6	
Parking Level 8	PLot	23.4	
Parking Level 9	PLot	24.3	
Parking Level 10	PLot	24.9	
Surface Parking	PLot	23.3	
Surface Parking	PLot	0.9	
Surface Parking	PLot	6.0	
Surface Parking	PLot	26.9	
Surface Parking	PLot	35.7	

Source	Source type	Leq,d dB(A)	
Receiver R6 Fl G Leq,d 24.1 dB(A)			
Parking Level 2	PLot	8.6	
Parking Level 3	PLot	9.2	
Parking Level 4	PLot	9.7	
Parking Level 5	PLot	11.8	
Parking Level 6	PLot	12.6	
Parking Level 7	PLot	13.7	
Parking Level 8	PLot	12.8	
Parking Level 9	PLot	13.4	
Parking Level 10	PLot	15.1	
Surface Parking	PLot	3.5	
Surface Parking	PLot	-3.0	
Surface Parking	PLot	0.4	
Surface Parking	PLot	8.0	
Surface Parking	PLot	19.6	
Receiver R7 Fl G Leq,d 33.0 dB(A)			
Parking Level 2	PLot	10.9	
Parking Level 3	PLot	10.9	
Parking Level 4	PLot	11.0	
Parking Level 5	PLot	12.8	
Parking Level 6	PLot	13.3	
Parking Level 7	PLot	13.4	
Parking Level 8	PLot	14.0	
Parking Level 9	PLot	14.7	
Parking Level 10	PLot	16.5	
Surface Parking	PLot	16.5	
Surface Parking	PLot	2.9	
Surface Parking	PLot	5.0	
Surface Parking	PLot	27.2	
Surface Parking	PLot	30.8	
Receiver R8 Fl G Leq,d 35.9 dB(A)			
Parking Level 2	PLot	14.0	
Parking Level 3	PLot	16.8	
Parking Level 4	PLot	18.1	
Parking Level 5	PLot	22.2	
Parking Level 6	PLot	25.1	
Parking Level 7	PLot	26.7	
Parking Level 8	PLot	27.6	
Parking Level 9	PLot	28.0	
Parking Level 10	PLot	28.2	

Source	Source type	Leq,d dB(A)	
Surface Parking	PLot	18.8	
Surface Parking	PLot	29.2	
Surface Parking	PLot	8.2	
Surface Parking	PLot	8.7	
Surface Parking	PLot	9.2	
Receiver R8 Fl F2 Leq,d 37.7 dB(A)			
Parking Level 2	PLot	15.9	
Parking Level 3	PLot	17.6	
Parking Level 4	PLot	19.5	
Parking Level 5	PLot	24.8	
Parking Level 6	PLot	28.4	
Parking Level 7	PLot	29.5	
Parking Level 8	PLot	30.3	
Parking Level 9	PLot	30.1	
Parking Level 10	PLot	30.2	
Surface Parking	PLot	17.8	
Surface Parking	PLot	27.8	
Surface Parking	PLot	7.3	
Surface Parking	PLot	9.6	
Surface Parking	PLot	8.9	

TVCity
Source Levels in dB(A) - Loading

3

Name	Source type	Lw dB(A)	
Delivery Trucks Loading - Base Camp	Point	101.9	
Delivery Trucks Loading - Base Camp	Point	101.9	
Delivery Trucks Loading - Base Camp	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center North Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - Center South Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - East Stages	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	

TVCity
Source Levels in dB(A) - Loading

Name	Source type	Lw dB(A)	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - North Side	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	
Delivery Trucks Loading - West Stages	Point	101.9	

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl G Leq,d 64.1 dB(A)			
Delivery Trucks Loading - West Stages	Point	22.6	
Delivery Trucks Loading - West Stages	Point	22.0	
Delivery Trucks Loading - West Stages	Point	22.2	
Delivery Trucks Loading - West Stages	Point	22.4	
Delivery Trucks Loading - West Stages	Point	22.2	
Delivery Trucks Loading - West Stages	Point	24.4	
Delivery Trucks Loading - West Stages	Point	24.9	
Delivery Trucks Loading - West Stages	Point	23.5	
Delivery Trucks Loading - Center South Stages	Point	24.7	
Delivery Trucks Loading - Center South Stages	Point	25.5	
Delivery Trucks Loading - Center South Stages	Point	24.6	
Delivery Trucks Loading - Center South Stages	Point	25.2	
Delivery Trucks Loading - Center South Stages	Point	26.1	
Delivery Trucks Loading - Center South Stages	Point	27.0	
Delivery Trucks Loading - Center South Stages	Point	28.5	
Delivery Trucks Loading - Center South Stages	Point	28.7	
Delivery Trucks Loading - East Stages	Point	36.9	
Delivery Trucks Loading - East Stages	Point	48.6	
Delivery Trucks Loading - East Stages	Point	53.1	
Delivery Trucks Loading - East Stages	Point	61.3	
Delivery Trucks Loading - East Stages	Point	38.1	
Delivery Trucks Loading - East Stages	Point	38.5	
Delivery Trucks Loading - East Stages	Point	40.1	
Delivery Trucks Loading - East Stages	Point	59.5	
Delivery Trucks Loading - Center North Stages	Point	24.0	
Delivery Trucks Loading - Center North Stages	Point	26.6	
Delivery Trucks Loading - Center North Stages	Point	26.3	
Delivery Trucks Loading - Center North Stages	Point	25.8	
Delivery Trucks Loading - Center North Stages	Point	33.0	
Delivery Trucks Loading - Center North Stages	Point	32.3	
Delivery Trucks Loading - West Stages	Point	23.4	
Delivery Trucks Loading - West Stages	Point	24.7	
Delivery Trucks Loading - West Stages	Point	22.3	
Delivery Trucks Loading - West Stages	Point	22.3	
Delivery Trucks Loading - West Stages	Point	22.3	
Delivery Trucks Loading - West Stages	Point	22.3	
Delivery Trucks Loading - West Stages	Point	22.7	
Delivery Trucks Loading - West Stages	Point	21.8	
Delivery Trucks Loading - Center North Stages	Point	25.0	
Delivery Trucks Loading - Center North Stages	Point	26.3	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center South Stages	Point	25.6	
Delivery Trucks Loading - Center South Stages	Point	25.6	
Delivery Trucks Loading - Center South Stages	Point	24.8	
Delivery Trucks Loading - Center South Stages	Point	25.0	
Delivery Trucks Loading - Center South Stages	Point	26.2	
Delivery Trucks Loading - Center South Stages	Point	26.4	
Delivery Trucks Loading - Center South Stages	Point	24.9	
Delivery Trucks Loading - Center South Stages	Point	26.9	
Delivery Trucks Loading - North Side	Point	28.4	
Delivery Trucks Loading - North Side	Point	32.0	
Delivery Trucks Loading - Base Camp	Point	25.0	
Delivery Trucks Loading - Base Camp	Point	23.8	
Delivery Trucks Loading - North Side	Point	24.0	
Delivery Trucks Loading - North Side	Point	28.6	
Delivery Trucks Loading - Base Camp	Point	23.3	
Delivery Trucks Loading - North Side	Point	26.0	
Delivery Trucks Loading - North Side	Point	26.0	
Delivery Trucks Loading - North Side	Point	26.9	
Delivery Trucks Loading - North Side	Point	26.8	
Delivery Trucks Loading - North Side	Point	27.3	
Receiver R1 Fl F2 Leq,d 62.0 dB(A)			
Delivery Trucks Loading - West Stages	Point	17.1	
Delivery Trucks Loading - West Stages	Point	16.1	
Delivery Trucks Loading - West Stages	Point	16.5	
Delivery Trucks Loading - West Stages	Point	16.6	
Delivery Trucks Loading - West Stages	Point	16.9	
Delivery Trucks Loading - West Stages	Point	21.4	
Delivery Trucks Loading - West Stages	Point	23.5	
Delivery Trucks Loading - West Stages	Point	20.8	
Delivery Trucks Loading - Center South Stages	Point	19.5	
Delivery Trucks Loading - Center South Stages	Point	20.5	
Delivery Trucks Loading - Center South Stages	Point	19.5	
Delivery Trucks Loading - Center South Stages	Point	20.1	
Delivery Trucks Loading - Center South Stages	Point	21.1	
Delivery Trucks Loading - Center South Stages	Point	22.8	
Delivery Trucks Loading - Center South Stages	Point	24.5	
Delivery Trucks Loading - Center South Stages	Point	24.7	
Delivery Trucks Loading - East Stages	Point	34.4	
Delivery Trucks Loading - East Stages	Point	48.2	
Delivery Trucks Loading - East Stages	Point	53.0	
Delivery Trucks Loading - East Stages	Point	58.4	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - East Stages	Point	35.6	
Delivery Trucks Loading - East Stages	Point	36.0	
Delivery Trucks Loading - East Stages	Point	37.8	
Delivery Trucks Loading - East Stages	Point	57.8	
Delivery Trucks Loading - Center North Stages	Point	20.3	
Delivery Trucks Loading - Center North Stages	Point	22.9	
Delivery Trucks Loading - Center North Stages	Point	22.1	
Delivery Trucks Loading - Center North Stages	Point	20.8	
Delivery Trucks Loading - Center North Stages	Point	30.0	
Delivery Trucks Loading - Center North Stages	Point	28.7	
Delivery Trucks Loading - West Stages	Point	20.8	
Delivery Trucks Loading - West Stages	Point	22.6	
Delivery Trucks Loading - West Stages	Point	17.0	
Delivery Trucks Loading - West Stages	Point	16.9	
Delivery Trucks Loading - West Stages	Point	16.6	
Delivery Trucks Loading - West Stages	Point	16.5	
Delivery Trucks Loading - West Stages	Point	17.2	
Delivery Trucks Loading - West Stages	Point	16.0	
Delivery Trucks Loading - Center North Stages	Point	21.1	
Delivery Trucks Loading - Center North Stages	Point	21.6	
Delivery Trucks Loading - Center South Stages	Point	20.9	
Delivery Trucks Loading - Center South Stages	Point	20.9	
Delivery Trucks Loading - Center South Stages	Point	19.7	
Delivery Trucks Loading - Center South Stages	Point	19.9	
Delivery Trucks Loading - Center South Stages	Point	21.3	
Delivery Trucks Loading - Center South Stages	Point	21.5	
Delivery Trucks Loading - Center South Stages	Point	21.1	
Delivery Trucks Loading - Center South Stages	Point	24.2	
Delivery Trucks Loading - North Side	Point	24.6	
Delivery Trucks Loading - North Side	Point	30.1	
Delivery Trucks Loading - Base Camp	Point	20.9	
Delivery Trucks Loading - Base Camp	Point	20.1	
Delivery Trucks Loading - North Side	Point	21.5	
Delivery Trucks Loading - North Side	Point	25.5	
Delivery Trucks Loading - Base Camp	Point	19.1	
Delivery Trucks Loading - North Side	Point	23.0	
Delivery Trucks Loading - North Side	Point	23.5	
Delivery Trucks Loading - North Side	Point	22.7	
Delivery Trucks Loading - North Side	Point	21.6	
Delivery Trucks Loading - North Side	Point	22.5	
Receiver R1b Fl G Leq,d 51.2 dB(A)			

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - West Stages	Point	20.8	
Delivery Trucks Loading - West Stages	Point	20.9	
Delivery Trucks Loading - West Stages	Point	21.5	
Delivery Trucks Loading - West Stages	Point	20.8	
Delivery Trucks Loading - West Stages	Point	17.6	
Delivery Trucks Loading - West Stages	Point	17.4	
Delivery Trucks Loading - West Stages	Point	17.3	
Delivery Trucks Loading - West Stages	Point	17.9	
Delivery Trucks Loading - Center South Stages	Point	25.4	
Delivery Trucks Loading - Center South Stages	Point	25.0	
Delivery Trucks Loading - Center South Stages	Point	25.9	
Delivery Trucks Loading - Center South Stages	Point	25.4	
Delivery Trucks Loading - Center South Stages	Point	28.7	
Delivery Trucks Loading - Center South Stages	Point	41.2	
Delivery Trucks Loading - Center South Stages	Point	46.0	
Delivery Trucks Loading - Center South Stages	Point	32.0	
Delivery Trucks Loading - East Stages	Point	27.9	
Delivery Trucks Loading - East Stages	Point	28.4	
Delivery Trucks Loading - East Stages	Point	29.0	
Delivery Trucks Loading - East Stages	Point	29.6	
Delivery Trucks Loading - East Stages	Point	31.9	
Delivery Trucks Loading - East Stages	Point	31.8	
Delivery Trucks Loading - East Stages	Point	32.3	
Delivery Trucks Loading - East Stages	Point	32.5	
Delivery Trucks Loading - Center North Stages	Point	18.0	
Delivery Trucks Loading - Center North Stages	Point	16.9	
Delivery Trucks Loading - Center North Stages	Point	20.6	
Delivery Trucks Loading - Center North Stages	Point	21.1	
Delivery Trucks Loading - Center North Stages	Point	24.3	
Delivery Trucks Loading - Center North Stages	Point	24.1	
Delivery Trucks Loading - West Stages	Point	18.7	
Delivery Trucks Loading - West Stages	Point	18.7	
Delivery Trucks Loading - West Stages	Point	17.4	
Delivery Trucks Loading - West Stages	Point	17.5	
Delivery Trucks Loading - West Stages	Point	21.1	
Delivery Trucks Loading - West Stages	Point	21.3	
Delivery Trucks Loading - West Stages	Point	20.8	
Delivery Trucks Loading - West Stages	Point	20.8	
Delivery Trucks Loading - Center North Stages	Point	18.3	
Delivery Trucks Loading - Center North Stages	Point	20.8	
Delivery Trucks Loading - Center South Stages	Point	25.5	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center South Stages	Point	24.9	
Delivery Trucks Loading - Center South Stages	Point	25.3	
Delivery Trucks Loading - Center South Stages	Point	25.5	
Delivery Trucks Loading - Center South Stages	Point	28.9	
Delivery Trucks Loading - Center South Stages	Point	41.0	
Delivery Trucks Loading - Center South Stages	Point	43.5	
Delivery Trucks Loading - Center South Stages	Point	43.7	
Delivery Trucks Loading - North Side	Point	19.5	
Delivery Trucks Loading - North Side	Point	24.4	
Delivery Trucks Loading - Base Camp	Point	17.0	
Delivery Trucks Loading - Base Camp	Point	17.5	
Delivery Trucks Loading - North Side	Point	17.4	
Delivery Trucks Loading - North Side	Point	21.8	
Delivery Trucks Loading - Base Camp	Point	16.4	
Delivery Trucks Loading - North Side	Point	18.8	
Delivery Trucks Loading - North Side	Point	20.1	
Delivery Trucks Loading - North Side	Point	18.6	
Delivery Trucks Loading - North Side	Point	21.4	
Delivery Trucks Loading - North Side	Point	20.6	
Receiver R1b Fl F2 Leq,d 49.6 dB(A)			
Delivery Trucks Loading - West Stages	Point	16.7	
Delivery Trucks Loading - West Stages	Point	17.0	
Delivery Trucks Loading - West Stages	Point	18.6	
Delivery Trucks Loading - West Stages	Point	17.5	
Delivery Trucks Loading - West Stages	Point	16.1	
Delivery Trucks Loading - West Stages	Point	15.9	
Delivery Trucks Loading - West Stages	Point	15.9	
Delivery Trucks Loading - West Stages	Point	21.6	
Delivery Trucks Loading - Center South Stages	Point	23.6	
Delivery Trucks Loading - Center South Stages	Point	22.0	
Delivery Trucks Loading - Center South Stages	Point	24.1	
Delivery Trucks Loading - Center South Stages	Point	24.0	
Delivery Trucks Loading - Center South Stages	Point	27.4	
Delivery Trucks Loading - Center South Stages	Point	40.7	
Delivery Trucks Loading - Center South Stages	Point	43.0	
Delivery Trucks Loading - Center South Stages	Point	31.0	
Delivery Trucks Loading - East Stages	Point	27.2	
Delivery Trucks Loading - East Stages	Point	27.7	
Delivery Trucks Loading - East Stages	Point	31.5	
Delivery Trucks Loading - East Stages	Point	35.2	
Delivery Trucks Loading - East Stages	Point	31.6	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - East Stages	Point	34.6	
Delivery Trucks Loading - East Stages	Point	36.9	
Delivery Trucks Loading - East Stages	Point	36.8	
Delivery Trucks Loading - Center North Stages	Point	16.9	
Delivery Trucks Loading - Center North Stages	Point	15.6	
Delivery Trucks Loading - Center North Stages	Point	19.2	
Delivery Trucks Loading - Center North Stages	Point	19.7	
Delivery Trucks Loading - Center North Stages	Point	23.3	
Delivery Trucks Loading - Center North Stages	Point	23.3	
Delivery Trucks Loading - West Stages	Point	22.3	
Delivery Trucks Loading - West Stages	Point	19.2	
Delivery Trucks Loading - West Stages	Point	15.9	
Delivery Trucks Loading - West Stages	Point	16.0	
Delivery Trucks Loading - West Stages	Point	18.0	
Delivery Trucks Loading - West Stages	Point	18.3	
Delivery Trucks Loading - West Stages	Point	16.7	
Delivery Trucks Loading - West Stages	Point	16.7	
Delivery Trucks Loading - Center North Stages	Point	17.0	
Delivery Trucks Loading - Center North Stages	Point	19.4	
Delivery Trucks Loading - Center South Stages	Point	23.7	
Delivery Trucks Loading - Center South Stages	Point	21.9	
Delivery Trucks Loading - Center South Stages	Point	23.8	
Delivery Trucks Loading - Center South Stages	Point	24.0	
Delivery Trucks Loading - Center South Stages	Point	27.7	
Delivery Trucks Loading - Center South Stages	Point	40.5	
Delivery Trucks Loading - Center South Stages	Point	40.3	
Delivery Trucks Loading - Center South Stages	Point	40.5	
Delivery Trucks Loading - North Side	Point	21.7	
Delivery Trucks Loading - North Side	Point	25.6	
Delivery Trucks Loading - Base Camp	Point	16.8	
Delivery Trucks Loading - Base Camp	Point	17.1	
Delivery Trucks Loading - North Side	Point	20.0	
Delivery Trucks Loading - North Side	Point	22.2	
Delivery Trucks Loading - Base Camp	Point	16.3	
Delivery Trucks Loading - North Side	Point	18.8	
Delivery Trucks Loading - North Side	Point	22.6	
Delivery Trucks Loading - North Side	Point	19.2	
Delivery Trucks Loading - North Side	Point	20.3	
Delivery Trucks Loading - North Side	Point	20.0	
Receiver R2 Fl G Leq,d 54.3 dB(A)			
Delivery Trucks Loading - West Stages	Point	17.1	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - West Stages	Point	17.7	
Delivery Trucks Loading - West Stages	Point	40.4	
Delivery Trucks Loading - West Stages	Point	22.1	
Delivery Trucks Loading - West Stages	Point	15.9	
Delivery Trucks Loading - West Stages	Point	15.6	
Delivery Trucks Loading - West Stages	Point	15.6	
Delivery Trucks Loading - West Stages	Point	15.6	
Delivery Trucks Loading - Center South Stages	Point	39.4	
Delivery Trucks Loading - Center South Stages	Point	40.0	
Delivery Trucks Loading - Center South Stages	Point	40.8	
Delivery Trucks Loading - Center South Stages	Point	40.9	
Delivery Trucks Loading - Center South Stages	Point	41.5	
Delivery Trucks Loading - Center South Stages	Point	42.1	
Delivery Trucks Loading - Center South Stages	Point	43.0	
Delivery Trucks Loading - Center South Stages	Point	44.4	
Delivery Trucks Loading - East Stages	Point	24.1	
Delivery Trucks Loading - East Stages	Point	24.6	
Delivery Trucks Loading - East Stages	Point	25.3	
Delivery Trucks Loading - East Stages	Point	24.1	
Delivery Trucks Loading - East Stages	Point	28.0	
Delivery Trucks Loading - East Stages	Point	27.2	
Delivery Trucks Loading - East Stages	Point	27.5	
Delivery Trucks Loading - East Stages	Point	27.4	
Delivery Trucks Loading - Center North Stages	Point	14.5	
Delivery Trucks Loading - Center North Stages	Point	14.9	
Delivery Trucks Loading - Center North Stages	Point	15.4	
Delivery Trucks Loading - Center North Stages	Point	15.9	
Delivery Trucks Loading - Center North Stages	Point	21.8	
Delivery Trucks Loading - Center North Stages	Point	21.6	
Delivery Trucks Loading - West Stages	Point	15.5	
Delivery Trucks Loading - West Stages	Point	15.6	
Delivery Trucks Loading - West Stages	Point	15.7	
Delivery Trucks Loading - West Stages	Point	15.8	
Delivery Trucks Loading - West Stages	Point	33.1	
Delivery Trucks Loading - West Stages	Point	40.4	
Delivery Trucks Loading - West Stages	Point	17.4	
Delivery Trucks Loading - West Stages	Point	17.2	
Delivery Trucks Loading - Center North Stages	Point	14.7	
Delivery Trucks Loading - Center North Stages	Point	15.7	
Delivery Trucks Loading - Center South Stages	Point	39.6	
Delivery Trucks Loading - Center South Stages	Point	39.8	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center South Stages	Point	40.5	
Delivery Trucks Loading - Center South Stages	Point	40.7	
Delivery Trucks Loading - Center South Stages	Point	41.7	
Delivery Trucks Loading - Center South Stages	Point	41.9	
Delivery Trucks Loading - Center South Stages	Point	43.1	
Delivery Trucks Loading - Center South Stages	Point	44.2	
Delivery Trucks Loading - North Side	Point	18.2	
Delivery Trucks Loading - North Side	Point	20.2	
Delivery Trucks Loading - Base Camp	Point	15.0	
Delivery Trucks Loading - Base Camp	Point	14.1	
Delivery Trucks Loading - North Side	Point	17.1	
Delivery Trucks Loading - North Side	Point	18.8	
Delivery Trucks Loading - Base Camp	Point	14.5	
Delivery Trucks Loading - North Side	Point	17.4	
Delivery Trucks Loading - North Side	Point	17.3	
Delivery Trucks Loading - North Side	Point	17.5	
Delivery Trucks Loading - North Side	Point	17.7	
Delivery Trucks Loading - North Side	Point	17.5	
Receiver R3 Fl G Leq,d 58.5 dB(A)			
Delivery Trucks Loading - West Stages	Point	17.2	
Delivery Trucks Loading - West Stages	Point	17.5	
Delivery Trucks Loading - West Stages	Point	16.4	
Delivery Trucks Loading - West Stages	Point	18.7	
Delivery Trucks Loading - West Stages	Point	20.4	
Delivery Trucks Loading - West Stages	Point	43.0	
Delivery Trucks Loading - West Stages	Point	45.8	
Delivery Trucks Loading - West Stages	Point	43.9	
Delivery Trucks Loading - Center South Stages	Point	19.8	
Delivery Trucks Loading - Center South Stages	Point	18.4	
Delivery Trucks Loading - Center South Stages	Point	19.7	
Delivery Trucks Loading - Center South Stages	Point	20.1	
Delivery Trucks Loading - Center South Stages	Point	20.5	
Delivery Trucks Loading - Center South Stages	Point	20.8	
Delivery Trucks Loading - Center South Stages	Point	18.9	
Delivery Trucks Loading - Center South Stages	Point	19.4	
Delivery Trucks Loading - East Stages	Point	31.8	
Delivery Trucks Loading - East Stages	Point	32.2	
Delivery Trucks Loading - East Stages	Point	46.3	
Delivery Trucks Loading - East Stages	Point	48.9	
Delivery Trucks Loading - East Stages	Point	29.1	
Delivery Trucks Loading - East Stages	Point	29.3	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - East Stages	Point	28.2	
Delivery Trucks Loading - East Stages	Point	28.7	
Delivery Trucks Loading - Center North Stages	Point	42.7	
Delivery Trucks Loading - Center North Stages	Point	43.2	
Delivery Trucks Loading - Center North Stages	Point	29.3	
Delivery Trucks Loading - Center North Stages	Point	23.1	
Delivery Trucks Loading - Center North Stages	Point	41.3	
Delivery Trucks Loading - Center North Stages	Point	34.4	
Delivery Trucks Loading - West Stages	Point	44.9	
Delivery Trucks Loading - West Stages	Point	45.9	
Delivery Trucks Loading - West Stages	Point	40.7	
Delivery Trucks Loading - West Stages	Point	40.6	
Delivery Trucks Loading - West Stages	Point	18.6	
Delivery Trucks Loading - West Stages	Point	18.5	
Delivery Trucks Loading - West Stages	Point	17.4	
Delivery Trucks Loading - West Stages	Point	17.3	
Delivery Trucks Loading - Center North Stages	Point	42.9	
Delivery Trucks Loading - Center North Stages	Point	26.1	
Delivery Trucks Loading - Center South Stages	Point	19.8	
Delivery Trucks Loading - Center South Stages	Point	18.3	
Delivery Trucks Loading - Center South Stages	Point	19.8	
Delivery Trucks Loading - Center South Stages	Point	19.9	
Delivery Trucks Loading - Center South Stages	Point	20.6	
Delivery Trucks Loading - Center South Stages	Point	20.7	
Delivery Trucks Loading - Center South Stages	Point	16.7	
Delivery Trucks Loading - Center South Stages	Point	19.0	
Delivery Trucks Loading - North Side	Point	41.6	
Delivery Trucks Loading - North Side	Point	50.8	
Delivery Trucks Loading - Base Camp	Point	37.9	
Delivery Trucks Loading - Base Camp	Point	37.3	
Delivery Trucks Loading - North Side	Point	45.2	
Delivery Trucks Loading - North Side	Point	48.2	
Delivery Trucks Loading - Base Camp	Point	37.6	
Delivery Trucks Loading - North Side	Point	45.2	
Delivery Trucks Loading - North Side	Point	39.8	
Delivery Trucks Loading - North Side	Point	40.4	
Delivery Trucks Loading - North Side	Point	41.5	
Delivery Trucks Loading - North Side	Point	40.9	
Receiver R4 Fl G Leq,d 48.6 dB(A)			
Delivery Trucks Loading - West Stages	Point	12.6	
Delivery Trucks Loading - West Stages	Point	12.8	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - West Stages	Point	15.6	
Delivery Trucks Loading - West Stages	Point	15.9	
Delivery Trucks Loading - West Stages	Point	16.4	
Delivery Trucks Loading - West Stages	Point	19.7	
Delivery Trucks Loading - West Stages	Point	24.0	
Delivery Trucks Loading - West Stages	Point	26.9	
Delivery Trucks Loading - Center South Stages	Point	19.4	
Delivery Trucks Loading - Center South Stages	Point	18.0	
Delivery Trucks Loading - Center South Stages	Point	15.0	
Delivery Trucks Loading - Center South Stages	Point	17.8	
Delivery Trucks Loading - Center South Stages	Point	18.3	
Delivery Trucks Loading - Center South Stages	Point	18.7	
Delivery Trucks Loading - Center South Stages	Point	20.8	
Delivery Trucks Loading - Center South Stages	Point	19.2	
Delivery Trucks Loading - East Stages	Point	29.0	
Delivery Trucks Loading - East Stages	Point	29.9	
Delivery Trucks Loading - East Stages	Point	29.3	
Delivery Trucks Loading - East Stages	Point	30.4	
Delivery Trucks Loading - East Stages	Point	26.8	
Delivery Trucks Loading - East Stages	Point	26.0	
Delivery Trucks Loading - East Stages	Point	26.6	
Delivery Trucks Loading - East Stages	Point	27.0	
Delivery Trucks Loading - Center North Stages	Point	20.8	
Delivery Trucks Loading - Center North Stages	Point	20.8	
Delivery Trucks Loading - Center North Stages	Point	19.3	
Delivery Trucks Loading - Center North Stages	Point	17.3	
Delivery Trucks Loading - Center North Stages	Point	28.1	
Delivery Trucks Loading - Center North Stages	Point	23.9	
Delivery Trucks Loading - West Stages	Point	25.5	
Delivery Trucks Loading - West Stages	Point	24.2	
Delivery Trucks Loading - West Stages	Point	19.9	
Delivery Trucks Loading - West Stages	Point	18.1	
Delivery Trucks Loading - West Stages	Point	15.7	
Delivery Trucks Loading - West Stages	Point	15.6	
Delivery Trucks Loading - West Stages	Point	12.7	
Delivery Trucks Loading - West Stages	Point	12.7	
Delivery Trucks Loading - Center North Stages	Point	20.8	
Delivery Trucks Loading - Center North Stages	Point	19.3	
Delivery Trucks Loading - Center South Stages	Point	18.9	
Delivery Trucks Loading - Center South Stages	Point	18.9	
Delivery Trucks Loading - Center South Stages	Point	15.1	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center South Stages	Point	17.7	
Delivery Trucks Loading - Center South Stages	Point	18.4	
Delivery Trucks Loading - Center South Stages	Point	18.5	
Delivery Trucks Loading - Center South Stages	Point	17.4	
Delivery Trucks Loading - Center South Stages	Point	17.5	
Delivery Trucks Loading - North Side	Point	20.0	
Delivery Trucks Loading - North Side	Point	37.3	
Delivery Trucks Loading - Base Camp	Point	16.7	
Delivery Trucks Loading - Base Camp	Point	16.1	
Delivery Trucks Loading - North Side	Point	42.2	
Delivery Trucks Loading - North Side	Point	44.0	
Delivery Trucks Loading - Base Camp	Point	16.3	
Delivery Trucks Loading - North Side	Point	41.7	
Delivery Trucks Loading - North Side	Point	20.0	
Delivery Trucks Loading - North Side	Point	19.0	
Delivery Trucks Loading - North Side	Point	19.5	
Delivery Trucks Loading - North Side	Point	19.2	
Receiver R5 Fl G Leq,d 59.6 dB(A)			
Delivery Trucks Loading - West Stages	Point	20.0	
Delivery Trucks Loading - West Stages	Point	20.5	
Delivery Trucks Loading - West Stages	Point	22.6	
Delivery Trucks Loading - West Stages	Point	38.5	
Delivery Trucks Loading - West Stages	Point	43.0	
Delivery Trucks Loading - West Stages	Point	45.1	
Delivery Trucks Loading - West Stages	Point	47.0	
Delivery Trucks Loading - West Stages	Point	48.0	
Delivery Trucks Loading - Center South Stages	Point	24.1	
Delivery Trucks Loading - Center South Stages	Point	21.1	
Delivery Trucks Loading - Center South Stages	Point	20.9	
Delivery Trucks Loading - Center South Stages	Point	20.9	
Delivery Trucks Loading - Center South Stages	Point	21.9	
Delivery Trucks Loading - Center South Stages	Point	23.3	
Delivery Trucks Loading - Center South Stages	Point	20.6	
Delivery Trucks Loading - Center South Stages	Point	16.7	
Delivery Trucks Loading - East Stages	Point	36.1	
Delivery Trucks Loading - East Stages	Point	32.4	
Delivery Trucks Loading - East Stages	Point	27.4	
Delivery Trucks Loading - East Stages	Point	26.3	
Delivery Trucks Loading - East Stages	Point	39.6	
Delivery Trucks Loading - East Stages	Point	23.8	
Delivery Trucks Loading - East Stages	Point	23.0	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - East Stages	Point	22.7	
Delivery Trucks Loading - Center North Stages	Point	44.0	
Delivery Trucks Loading - Center North Stages	Point	32.7	
Delivery Trucks Loading - Center North Stages	Point	36.7	
Delivery Trucks Loading - Center North Stages	Point	48.6	
Delivery Trucks Loading - Center North Stages	Point	42.2	
Delivery Trucks Loading - Center North Stages	Point	44.7	
Delivery Trucks Loading - West Stages	Point	47.9	
Delivery Trucks Loading - West Stages	Point	47.1	
Delivery Trucks Loading - West Stages	Point	45.8	
Delivery Trucks Loading - West Stages	Point	43.5	
Delivery Trucks Loading - West Stages	Point	25.2	
Delivery Trucks Loading - West Stages	Point	24.0	
Delivery Trucks Loading - West Stages	Point	20.3	
Delivery Trucks Loading - West Stages	Point	20.2	
Delivery Trucks Loading - Center North Stages	Point	33.3	
Delivery Trucks Loading - Center North Stages	Point	40.0	
Delivery Trucks Loading - Center South Stages	Point	22.9	
Delivery Trucks Loading - Center South Stages	Point	22.0	
Delivery Trucks Loading - Center South Stages	Point	20.9	
Delivery Trucks Loading - Center South Stages	Point	20.9	
Delivery Trucks Loading - Center South Stages	Point	22.6	
Delivery Trucks Loading - Center South Stages	Point	23.4	
Delivery Trucks Loading - Center South Stages	Point	6.3	
Delivery Trucks Loading - Center South Stages	Point	16.5	
Delivery Trucks Loading - North Side	Point	31.7	
Delivery Trucks Loading - North Side	Point	49.3	
Delivery Trucks Loading - Base Camp	Point	28.8	
Delivery Trucks Loading - Base Camp	Point	36.2	
Delivery Trucks Loading - North Side	Point	43.7	
Delivery Trucks Loading - North Side	Point	51.7	
Delivery Trucks Loading - Base Camp	Point	35.5	
Delivery Trucks Loading - North Side	Point	49.4	
Delivery Trucks Loading - North Side	Point	40.2	
Delivery Trucks Loading - North Side	Point	39.9	
Delivery Trucks Loading - North Side	Point	33.7	
Delivery Trucks Loading - North Side	Point	32.9	
Receiver R6 Fl G Leq,d 41.6 dB(A)			
Delivery Trucks Loading - West Stages	Point	15.0	
Delivery Trucks Loading - West Stages	Point	18.7	
Delivery Trucks Loading - West Stages	Point	19.5	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - West Stages	Point	19.9	
Delivery Trucks Loading - West Stages	Point	20.5	
Delivery Trucks Loading - West Stages	Point	17.6	
Delivery Trucks Loading - West Stages	Point	17.7	
Delivery Trucks Loading - West Stages	Point	18.2	
Delivery Trucks Loading - Center South Stages	Point	17.2	
Delivery Trucks Loading - Center South Stages	Point	16.9	
Delivery Trucks Loading - Center South Stages	Point	16.5	
Delivery Trucks Loading - Center South Stages	Point	16.2	
Delivery Trucks Loading - Center South Stages	Point	15.4	
Delivery Trucks Loading - Center South Stages	Point	16.3	
Delivery Trucks Loading - Center South Stages	Point	12.8	
Delivery Trucks Loading - Center South Stages	Point	0.6	
Delivery Trucks Loading - East Stages	Point	28.3	
Delivery Trucks Loading - East Stages	Point	31.4	
Delivery Trucks Loading - East Stages	Point	26.9	
Delivery Trucks Loading - East Stages	Point	13.7	
Delivery Trucks Loading - East Stages	Point	14.4	
Delivery Trucks Loading - East Stages	Point	14.1	
Delivery Trucks Loading - East Stages	Point	15.3	
Delivery Trucks Loading - East Stages	Point	12.5	
Delivery Trucks Loading - Center North Stages	Point	16.9	
Delivery Trucks Loading - Center North Stages	Point	20.8	
Delivery Trucks Loading - Center North Stages	Point	22.2	
Delivery Trucks Loading - Center North Stages	Point	19.2	
Delivery Trucks Loading - Center North Stages	Point	33.9	
Delivery Trucks Loading - Center North Stages	Point	32.9	
Delivery Trucks Loading - West Stages	Point	18.0	
Delivery Trucks Loading - West Stages	Point	17.9	
Delivery Trucks Loading - West Stages	Point	19.6	
Delivery Trucks Loading - West Stages	Point	19.4	
Delivery Trucks Loading - West Stages	Point	19.7	
Delivery Trucks Loading - West Stages	Point	19.6	
Delivery Trucks Loading - West Stages	Point	16.8	
Delivery Trucks Loading - West Stages	Point	15.1	
Delivery Trucks Loading - Center North Stages	Point	20.2	
Delivery Trucks Loading - Center North Stages	Point	22.5	
Delivery Trucks Loading - Center South Stages	Point	17.1	
Delivery Trucks Loading - Center South Stages	Point	17.0	
Delivery Trucks Loading - Center South Stages	Point	16.4	
Delivery Trucks Loading - Center South Stages	Point	16.3	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center South Stages	Point	16.4	
Delivery Trucks Loading - Center South Stages	Point	16.4	
Delivery Trucks Loading - Center South Stages	Point	12.7	
Delivery Trucks Loading - Center South Stages	Point	0.6	
Delivery Trucks Loading - North Side	Point	19.0	
Delivery Trucks Loading - North Side	Point	33.6	
Delivery Trucks Loading - Base Camp	Point	16.4	
Delivery Trucks Loading - Base Camp	Point	17.4	
Delivery Trucks Loading - North Side	Point	20.8	
Delivery Trucks Loading - North Side	Point	31.0	
Delivery Trucks Loading - Base Camp	Point	16.9	
Delivery Trucks Loading - North Side	Point	28.4	
Delivery Trucks Loading - North Side	Point	21.4	
Delivery Trucks Loading - North Side	Point	19.1	
Delivery Trucks Loading - North Side	Point	18.5	
Delivery Trucks Loading - North Side	Point	20.2	
Receiver R7 Fl G Leq,d 55.7 dB(A)			
Delivery Trucks Loading - West Stages	Point	21.2	
Delivery Trucks Loading - West Stages	Point	21.7	
Delivery Trucks Loading - West Stages	Point	26.3	
Delivery Trucks Loading - West Stages	Point	26.7	
Delivery Trucks Loading - West Stages	Point	27.1	
Delivery Trucks Loading - West Stages	Point	26.9	
Delivery Trucks Loading - West Stages	Point	24.0	
Delivery Trucks Loading - West Stages	Point	24.5	
Delivery Trucks Loading - Center South Stages	Point	20.3	
Delivery Trucks Loading - Center South Stages	Point	21.9	
Delivery Trucks Loading - Center South Stages	Point	21.2	
Delivery Trucks Loading - Center South Stages	Point	20.6	
Delivery Trucks Loading - Center South Stages	Point	22.3	
Delivery Trucks Loading - Center South Stages	Point	22.2	
Delivery Trucks Loading - Center South Stages	Point	19.9	
Delivery Trucks Loading - Center South Stages	Point	15.7	
Delivery Trucks Loading - East Stages	Point	32.4	
Delivery Trucks Loading - East Stages	Point	31.5	
Delivery Trucks Loading - East Stages	Point	30.2	
Delivery Trucks Loading - East Stages	Point	26.2	
Delivery Trucks Loading - East Stages	Point	16.4	
Delivery Trucks Loading - East Stages	Point	16.2	
Delivery Trucks Loading - East Stages	Point	15.1	
Delivery Trucks Loading - East Stages	Point	15.0	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center North Stages	Point	27.4	
Delivery Trucks Loading - Center North Stages	Point	44.3	
Delivery Trucks Loading - Center North Stages	Point	47.7	
Delivery Trucks Loading - Center North Stages	Point	47.6	
Delivery Trucks Loading - Center North Stages	Point	35.0	
Delivery Trucks Loading - Center North Stages	Point	31.4	
Delivery Trucks Loading - West Stages	Point	24.3	
Delivery Trucks Loading - West Stages	Point	24.1	
Delivery Trucks Loading - West Stages	Point	27.3	
Delivery Trucks Loading - West Stages	Point	27.2	
Delivery Trucks Loading - West Stages	Point	26.5	
Delivery Trucks Loading - West Stages	Point	26.4	
Delivery Trucks Loading - West Stages	Point	21.5	
Delivery Trucks Loading - West Stages	Point	21.4	
Delivery Trucks Loading - Center North Stages	Point	43.2	
Delivery Trucks Loading - Center North Stages	Point	47.2	
Delivery Trucks Loading - Center South Stages	Point	20.1	
Delivery Trucks Loading - Center South Stages	Point	22.1	
Delivery Trucks Loading - Center South Stages	Point	21.0	
Delivery Trucks Loading - Center South Stages	Point	20.8	
Delivery Trucks Loading - Center South Stages	Point	22.2	
Delivery Trucks Loading - Center South Stages	Point	22.2	
Delivery Trucks Loading - Center South Stages	Point	19.5	
Delivery Trucks Loading - Center South Stages	Point	18.4	
Delivery Trucks Loading - North Side	Point	39.1	
Delivery Trucks Loading - North Side	Point	43.1	
Delivery Trucks Loading - Base Camp	Point	37.7	
Delivery Trucks Loading - Base Camp	Point	36.0	
Delivery Trucks Loading - North Side	Point	36.4	
Delivery Trucks Loading - North Side	Point	42.0	
Delivery Trucks Loading - Base Camp	Point	38.7	
Delivery Trucks Loading - North Side	Point	44.3	
Delivery Trucks Loading - North Side	Point	38.4	
Delivery Trucks Loading - North Side	Point	40.9	
Delivery Trucks Loading - North Side	Point	41.0	
Delivery Trucks Loading - North Side	Point	41.2	
Receiver R8 Fl G Leq,d 42.9 dB(A)			
Delivery Trucks Loading - West Stages	Point	31.6	
Delivery Trucks Loading - West Stages	Point	30.2	
Delivery Trucks Loading - West Stages	Point	29.5	
Delivery Trucks Loading - West Stages	Point	29.7	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - West Stages	Point	28.9	
Delivery Trucks Loading - West Stages	Point	28.1	
Delivery Trucks Loading - West Stages	Point	25.4	
Delivery Trucks Loading - West Stages	Point	23.5	
Delivery Trucks Loading - Center South Stages	Point	23.2	
Delivery Trucks Loading - Center South Stages	Point	24.5	
Delivery Trucks Loading - Center South Stages	Point	24.7	
Delivery Trucks Loading - Center South Stages	Point	24.1	
Delivery Trucks Loading - Center South Stages	Point	25.0	
Delivery Trucks Loading - Center South Stages	Point	25.1	
Delivery Trucks Loading - Center South Stages	Point	23.7	
Delivery Trucks Loading - Center South Stages	Point	23.1	
Delivery Trucks Loading - East Stages	Point	14.3	
Delivery Trucks Loading - East Stages	Point	16.2	
Delivery Trucks Loading - East Stages	Point	16.9	
Delivery Trucks Loading - East Stages	Point	12.8	
Delivery Trucks Loading - East Stages	Point	14.7	
Delivery Trucks Loading - East Stages	Point	16.8	
Delivery Trucks Loading - East Stages	Point	16.2	
Delivery Trucks Loading - East Stages	Point	15.4	
Delivery Trucks Loading - Center North Stages	Point	22.6	
Delivery Trucks Loading - Center North Stages	Point	21.2	
Delivery Trucks Loading - Center North Stages	Point	19.8	
Delivery Trucks Loading - Center North Stages	Point	21.4	
Delivery Trucks Loading - Center North Stages	Point	18.5	
Delivery Trucks Loading - Center North Stages	Point	15.9	
Delivery Trucks Loading - West Stages	Point	23.6	
Delivery Trucks Loading - West Stages	Point	23.8	
Delivery Trucks Loading - West Stages	Point	28.3	
Delivery Trucks Loading - West Stages	Point	28.5	
Delivery Trucks Loading - West Stages	Point	29.9	
Delivery Trucks Loading - West Stages	Point	29.9	
Delivery Trucks Loading - West Stages	Point	30.2	
Delivery Trucks Loading - West Stages	Point	30.7	
Delivery Trucks Loading - Center North Stages	Point	22.7	
Delivery Trucks Loading - Center North Stages	Point	19.5	
Delivery Trucks Loading - Center South Stages	Point	22.6	
Delivery Trucks Loading - Center South Stages	Point	24.7	
Delivery Trucks Loading - Center South Stages	Point	24.5	
Delivery Trucks Loading - Center South Stages	Point	24.3	
Delivery Trucks Loading - Center South Stages	Point	25.7	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center South Stages	Point	25.2	
Delivery Trucks Loading - Center South Stages	Point	23.5	
Delivery Trucks Loading - Center South Stages	Point	23.3	
Delivery Trucks Loading - North Side	Point	20.1	
Delivery Trucks Loading - North Side	Point	18.4	
Delivery Trucks Loading - Base Camp	Point	18.8	
Delivery Trucks Loading - Base Camp	Point	21.8	
Delivery Trucks Loading - North Side	Point	20.4	
Delivery Trucks Loading - North Side	Point	16.8	
Delivery Trucks Loading - Base Camp	Point	21.2	
Delivery Trucks Loading - North Side	Point	20.5	
Delivery Trucks Loading - North Side	Point	25.1	
Delivery Trucks Loading - North Side	Point	22.9	
Delivery Trucks Loading - North Side	Point	22.7	
Delivery Trucks Loading - North Side	Point	21.1	
Receiver R8 Fl F2 Leq,d 42.2 dB(A)			
Delivery Trucks Loading - West Stages	Point	31.8	
Delivery Trucks Loading - West Stages	Point	29.8	
Delivery Trucks Loading - West Stages	Point	29.2	
Delivery Trucks Loading - West Stages	Point	29.2	
Delivery Trucks Loading - West Stages	Point	28.2	
Delivery Trucks Loading - West Stages	Point	27.3	
Delivery Trucks Loading - West Stages	Point	24.5	
Delivery Trucks Loading - West Stages	Point	22.5	
Delivery Trucks Loading - Center South Stages	Point	22.4	
Delivery Trucks Loading - Center South Stages	Point	23.5	
Delivery Trucks Loading - Center South Stages	Point	23.7	
Delivery Trucks Loading - Center South Stages	Point	22.9	
Delivery Trucks Loading - Center South Stages	Point	23.8	
Delivery Trucks Loading - Center South Stages	Point	23.9	
Delivery Trucks Loading - Center South Stages	Point	22.5	
Delivery Trucks Loading - Center South Stages	Point	21.9	
Delivery Trucks Loading - East Stages	Point	12.7	
Delivery Trucks Loading - East Stages	Point	14.6	
Delivery Trucks Loading - East Stages	Point	15.3	
Delivery Trucks Loading - East Stages	Point	11.4	
Delivery Trucks Loading - East Stages	Point	13.2	
Delivery Trucks Loading - East Stages	Point	15.2	
Delivery Trucks Loading - East Stages	Point	14.7	
Delivery Trucks Loading - East Stages	Point	13.8	
Delivery Trucks Loading - Center North Stages	Point	21.8	

Source	Source type	Leq,d dB(A)	
Delivery Trucks Loading - Center North Stages	Point	20.0	
Delivery Trucks Loading - Center North Stages	Point	18.6	
Delivery Trucks Loading - Center North Stages	Point	20.2	
Delivery Trucks Loading - Center North Stages	Point	17.1	
Delivery Trucks Loading - Center North Stages	Point	14.4	
Delivery Trucks Loading - West Stages	Point	22.6	
Delivery Trucks Loading - West Stages	Point	22.9	
Delivery Trucks Loading - West Stages	Point	27.6	
Delivery Trucks Loading - West Stages	Point	27.8	
Delivery Trucks Loading - West Stages	Point	29.4	
Delivery Trucks Loading - West Stages	Point	29.4	
Delivery Trucks Loading - West Stages	Point	29.9	
Delivery Trucks Loading - West Stages	Point	30.5	
Delivery Trucks Loading - Center North Stages	Point	21.8	
Delivery Trucks Loading - Center North Stages	Point	18.3	
Delivery Trucks Loading - Center South Stages	Point	21.7	
Delivery Trucks Loading - Center South Stages	Point	23.8	
Delivery Trucks Loading - Center South Stages	Point	23.4	
Delivery Trucks Loading - Center South Stages	Point	23.2	
Delivery Trucks Loading - Center South Stages	Point	24.5	
Delivery Trucks Loading - Center South Stages	Point	24.0	
Delivery Trucks Loading - Center South Stages	Point	22.3	
Delivery Trucks Loading - Center South Stages	Point	22.1	
Delivery Trucks Loading - North Side	Point	19.6	
Delivery Trucks Loading - North Side	Point	16.9	
Delivery Trucks Loading - Base Camp	Point	17.9	
Delivery Trucks Loading - Base Camp	Point	20.8	
Delivery Trucks Loading - North Side	Point	18.6	
Delivery Trucks Loading - North Side	Point	15.2	
Delivery Trucks Loading - Base Camp	Point	20.4	
Delivery Trucks Loading - North Side	Point	19.9	
Delivery Trucks Loading - North Side	Point	24.5	
Delivery Trucks Loading - North Side	Point	21.9	
Delivery Trucks Loading - North Side	Point	21.5	
Delivery Trucks Loading - North Side	Point	20.0	

TVCity
Source Levels in dB(A) - Trash Compactor

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

TVCity
Contribution level - Trash Compactor

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl G Leq,d 22.2 dB(A)			
Trash Compactor 1	Point	19.2	
Trash Compactor 2	Point	19.3	
Receiver R1 Fl F2 Leq,d 16.3 dB(A)			
Trash Compactor 1	Point	13.3	
Trash Compactor 2	Point	13.3	
Receiver R1b Fl G Leq,d 20.9 dB(A)			
Trash Compactor 1	Point	17.9	
Trash Compactor 2	Point	17.9	
Receiver R1b Fl F2 Leq,d 18.1 dB(A)			
Trash Compactor 1	Point	15.1	
Trash Compactor 2	Point	15.0	
Receiver R2 Fl G Leq,d 19.8 dB(A)			
Trash Compactor 1	Point	17.0	
Trash Compactor 2	Point	16.5	
Receiver R3 Fl G Leq,d 14.7 dB(A)			
Trash Compactor 1	Point	4.7	
Trash Compactor 2	Point	14.2	
Receiver R4 Fl G Leq,d 15.1 dB(A)			
Trash Compactor 1	Point	12.1	
Trash Compactor 2	Point	12.1	
Receiver R5 Fl G Leq,d 15.0 dB(A)			
Trash Compactor 1	Point	14.6	
Trash Compactor 2	Point	4.8	
Receiver R6 Fl G Leq,d 17.0 dB(A)			
Trash Compactor 1	Point	13.9	
Trash Compactor 2	Point	14.0	
Receiver R7 Fl G Leq,d 21.8 dB(A)			
Trash Compactor 1	Point	18.8	
Trash Compactor 2	Point	18.8	
Receiver R8 Fl G Leq,d 24.0 dB(A)			
Trash Compactor 1	Point	21.0	
Trash Compactor 2	Point	21.0	
Receiver R8 Fl F2 Leq,d 23.6 dB(A)			
Trash Compactor 1	Point	20.6	
Trash Compactor 2	Point	20.5	

TVCity
Source Levels in dB(A) - People

Name	Source type	Lw dB(A)	
People - Interior (H)	Area	99.6	
People - Interior (Low)	Area	99.6	
People - Perimeter (E)	Area	98.3	
People - Perimeter (N)	Area	94.8	
People - Perimeter (N)	Area	93.6	
People - Perimeter (S)	Area	92.8	
People - Perimeter (W)	Area	97.5	

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl G Leq,d 36.3 dB(A)			
People - Interior (Low)	Area	28.9	
People - Perimeter (N)	Area	29.0	
People - Perimeter (N)	Area	16.9	
People - Interior (H)	Area	29.8	
People - Perimeter (E)	Area	31.7	
People - Perimeter (S)	Area	22.6	
People - Perimeter (W)	Area	15.5	
Receiver R1 Fl F2 Leq,d 40.7 dB(A)			
People - Interior (Low)	Area	30.7	
People - Perimeter (N)	Area	34.7	
People - Perimeter (N)	Area	20.2	
People - Interior (H)	Area	29.2	
People - Perimeter (E)	Area	37.5	
People - Perimeter (S)	Area	29.6	
People - Perimeter (W)	Area	17.2	
Receiver R1b Fl G Leq,d 38.0 dB(A)			
People - Interior (Low)	Area	28.5	
People - Perimeter (N)	Area	14.7	
People - Perimeter (N)	Area	7.3	
People - Interior (H)	Area	19.9	
People - Perimeter (E)	Area	31.7	
People - Perimeter (S)	Area	36.0	
People - Perimeter (W)	Area	10.5	
Receiver R1b Fl F2 Leq,d 43.5 dB(A)			
People - Interior (Low)	Area	32.3	
People - Perimeter (N)	Area	34.5	
People - Perimeter (N)	Area	25.8	
People - Interior (H)	Area	23.4	
People - Perimeter (E)	Area	40.4	
People - Perimeter (S)	Area	38.1	
People - Perimeter (W)	Area	20.3	
Receiver R2 Fl G Leq,d 34.7 dB(A)			
People - Interior (Low)	Area	22.4	
People - Perimeter (N)	Area	13.2	
People - Perimeter (N)	Area	10.9	
People - Interior (H)	Area	21.2	
People - Perimeter (E)	Area	26.6	
People - Perimeter (S)	Area	33.4	
People - Perimeter (W)	Area	11.4	

Source	Source type	Leq,d dB(A)	
Receiver R3 Fl G Leq,d 40.2 dB(A)			
People - Interior (Low)	Area	23.0	
People - Perimeter (N)	Area	36.8	
People - Perimeter (N)	Area	30.0	
People - Interior (H)	Area	35.3	
People - Perimeter (E)	Area	23.5	
People - Perimeter (S)	Area	11.2	
People - Perimeter (W)	Area	29.0	
Receiver R4 Fl G Leq,d 35.5 dB(A)			
People - Interior (Low)	Area	19.8	
People - Perimeter (N)	Area	33.3	
People - Perimeter (N)	Area	27.8	
People - Interior (H)	Area	24.2	
People - Perimeter (E)	Area	21.3	
People - Perimeter (S)	Area	11.9	
People - Perimeter (W)	Area	24.9	
Receiver R5 Fl G Leq,d 46.0 dB(A)			
People - Interior (Low)	Area	42.9	
People - Perimeter (N)	Area	32.9	
People - Perimeter (N)	Area	35.5	
People - Interior (H)	Area	40.8	
People - Perimeter (E)	Area	32.9	
People - Perimeter (S)	Area	16.3	
People - Perimeter (W)	Area	28.5	
Receiver R6 Fl G Leq,d 37.8 dB(A)			
People - Interior (Low)	Area	20.0	
People - Perimeter (N)	Area	23.8	
People - Perimeter (N)	Area	34.0	
People - Interior (H)	Area	33.3	
People - Perimeter (E)	Area	27.9	
People - Perimeter (S)	Area	2.7	
People - Perimeter (W)	Area	26.8	
Receiver R7 Fl G Leq,d 42.9 dB(A)			
People - Interior (Low)	Area	33.4	
People - Perimeter (N)	Area	22.7	
People - Perimeter (N)	Area	33.8	
People - Interior (H)	Area	36.4	
People - Perimeter (E)	Area	27.0	
People - Perimeter (S)	Area	7.5	
People - Perimeter (W)	Area	39.9	

Source	Source type	Leq,d dB(A)	
Receiver R8 Fl G Leq,d 37.6 dB(A)			
People - Interior (Low)	Area	15.1	
People - Perimeter (N)	Area	5.7	
People - Perimeter (N)	Area	28.4	
People - Interior (H)	Area	22.3	
People - Perimeter (E)	Area	12.6	
People - Perimeter (S)	Area	7.3	
People - Perimeter (W)	Area	36.9	
Receiver R8 Fl F2 Leq,d 43.9 dB(A)			
People - Interior (Low)	Area	15.5	
People - Perimeter (N)	Area	6.3	
People - Perimeter (N)	Area	31.7	
People - Interior (H)	Area	30.0	
People - Perimeter (E)	Area	13.1	
People - Perimeter (S)	Area	13.8	
People - Perimeter (W)	Area	43.4	

TVCity
Source Levels in dB(A) - Speakers

Name	Source type	Lw dB(A)	
Speakers - Interior	Point	123.6	
Speakers - Interior	Point	123.6	
Speakers - Interior	Point	123.6	
Speakers - Interior	Point	123.6	
Speakers - Interior	Point	123.6	
Speakers - Interior	Point	123.6	
Speakers - Interior	Point	113.6	
Speakers - Interior	Point	113.6	
Speakers - Interior	Point	113.6	
Speakers - Interior	Point	123.6	
Speakers - Interior	Point	113.6	
Speakers - Interior	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter E	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter N	Point	113.6	
Speakers - Perimeter S	Point	113.6	
Speakers - Perimeter S	Point	113.6	

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl G Leq,d 49.0 dB(A)			
Speakers - Perimeter N	Point	28.7	
Speakers - Perimeter N	Point	24.7	
Speakers - Perimeter N	Point	28.7	
Speakers - Perimeter N	Point	31.8	
Speakers - Perimeter N	Point	30.3	
Speakers - Perimeter N	Point	30.5	
Speakers - Perimeter N	Point	33.3	
Speakers - Perimeter N	Point	12.1	
Speakers - Perimeter N	Point	34.2	
Speakers - Perimeter N	Point	14.2	
Speakers - Perimeter N	Point	14.4	
Speakers - Perimeter N	Point	19.6	
Speakers - Perimeter N	Point	19.9	
Speakers - Perimeter N	Point	20.2	
Speakers - Perimeter S	Point	25.1	
Speakers - Perimeter S	Point	25.8	
Speakers - Interior	Point	37.5	
Speakers - Interior	Point	34.7	
Speakers - Interior	Point	41.8	
Speakers - Interior	Point	38.0	
Speakers - Interior	Point	33.1	
Speakers - Interior	Point	37.9	
Speakers - Interior	Point	37.2	
Speakers - Interior	Point	24.1	
Speakers - Interior	Point	37.1	
Speakers - Interior	Point	23.4	
Speakers - Interior	Point	36.9	
Speakers - Interior	Point	31.6	
Speakers - Perimeter E	Point	30.8	
Speakers - Perimeter E	Point	36.8	
Speakers - Perimeter E	Point	37.1	
Speakers - Perimeter E	Point	26.1	
Speakers - Perimeter E	Point	32.0	
Speakers - Perimeter E	Point	10.8	
Speakers - Perimeter E	Point	16.9	
Speakers - Perimeter E	Point	11.3	
Speakers - Perimeter E	Point	11.6	
Receiver R1 Fl F2 Leq,d 52.1 dB(A)			
Speakers - Perimeter N	Point	35.0	

Source	Source type	Leq,d dB(A)	
Speakers - Perimeter N	Point	31.8	
Speakers - Perimeter N	Point	35.8	
Speakers - Perimeter N	Point	35.8	
Speakers - Perimeter N	Point	37.2	
Speakers - Perimeter N	Point	37.8	
Speakers - Perimeter N	Point	40.5	
Speakers - Perimeter N	Point	17.2	
Speakers - Perimeter N	Point	36.3	
Speakers - Perimeter N	Point	18.5	
Speakers - Perimeter N	Point	18.7	
Speakers - Perimeter N	Point	24.2	
Speakers - Perimeter N	Point	24.5	
Speakers - Perimeter N	Point	24.9	
Speakers - Perimeter S	Point	32.9	
Speakers - Perimeter S	Point	33.4	
Speakers - Interior	Point	33.6	
Speakers - Interior	Point	37.5	
Speakers - Interior	Point	43.3	
Speakers - Interior	Point	33.6	
Speakers - Interior	Point	35.2	
Speakers - Interior	Point	42.8	
Speakers - Interior	Point	40.9	
Speakers - Interior	Point	25.3	
Speakers - Interior	Point	37.1	
Speakers - Interior	Point	27.0	
Speakers - Interior	Point	37.5	
Speakers - Interior	Point	34.5	
Speakers - Perimeter E	Point	37.8	
Speakers - Perimeter E	Point	40.5	
Speakers - Perimeter E	Point	40.3	
Speakers - Perimeter E	Point	34.7	
Speakers - Perimeter E	Point	36.7	
Speakers - Perimeter E	Point	7.4	
Speakers - Perimeter E	Point	21.9	
Speakers - Perimeter E	Point	7.4	
Speakers - Perimeter E	Point	15.7	
Receiver R1b Fl G Leq,d 50.8 dB(A)			
Speakers - Perimeter N	Point	14.5	
Speakers - Perimeter N	Point	14.8	
Speakers - Perimeter N	Point	13.8	
Speakers - Perimeter N	Point	14.1	

Source	Source type	Leq,d dB(A)	
Speakers - Perimeter N	Point	14.5	
Speakers - Perimeter N	Point	15.1	
Speakers - Perimeter N	Point	15.5	
Speakers - Perimeter N	Point	6.0	
Speakers - Perimeter N	Point	21.7	
Speakers - Perimeter N	Point	7.3	
Speakers - Perimeter N	Point	7.5	
Speakers - Perimeter N	Point	7.7	
Speakers - Perimeter N	Point	8.0	
Speakers - Perimeter N	Point	8.3	
Speakers - Perimeter S	Point	40.7	
Speakers - Perimeter S	Point	41.2	
Speakers - Interior	Point	24.7	
Speakers - Interior	Point	22.3	
Speakers - Interior	Point	43.5	
Speakers - Interior	Point	25.2	
Speakers - Interior	Point	25.8	
Speakers - Interior	Point	24.2	
Speakers - Interior	Point	23.6	
Speakers - Interior	Point	20.3	
Speakers - Interior	Point	30.4	
Speakers - Interior	Point	16.7	
Speakers - Interior	Point	42.9	
Speakers - Interior	Point	24.0	
Speakers - Perimeter E	Point	24.1	
Speakers - Perimeter E	Point	20.0	
Speakers - Perimeter E	Point	28.6	
Speakers - Perimeter E	Point	29.3	
Speakers - Perimeter E	Point	46.9	
Speakers - Perimeter E	Point	7.3	
Speakers - Perimeter E	Point	8.5	
Speakers - Perimeter E	Point	8.5	
Speakers - Perimeter E	Point	6.3	
Receiver R1b Fl F2 Leq,d 54.9 dB(A)			
Speakers - Perimeter N	Point	34.8	
Speakers - Perimeter N	Point	35.4	
Speakers - Perimeter N	Point	33.9	
Speakers - Perimeter N	Point	35.1	
Speakers - Perimeter N	Point	35.4	
Speakers - Perimeter N	Point	35.8	
Speakers - Perimeter N	Point	36.5	

Source	Source type	Leq,d dB(A)	
Speakers - Perimeter N	Point	25.4	
Speakers - Perimeter N	Point	40.9	
Speakers - Perimeter N	Point	24.1	
Speakers - Perimeter N	Point	24.1	
Speakers - Perimeter N	Point	27.8	
Speakers - Perimeter N	Point	28.0	
Speakers - Perimeter N	Point	28.3	
Speakers - Perimeter S	Point	40.7	
Speakers - Perimeter S	Point	41.4	
Speakers - Interior	Point	32.1	
Speakers - Interior	Point	27.4	
Speakers - Interior	Point	46.9	
Speakers - Interior	Point	33.2	
Speakers - Interior	Point	34.8	
Speakers - Interior	Point	31.3	
Speakers - Interior	Point	30.4	
Speakers - Interior	Point	27.4	
Speakers - Interior	Point	36.7	
Speakers - Interior	Point	25.2	
Speakers - Interior	Point	48.2	
Speakers - Interior	Point	33.6	
Speakers - Perimeter E	Point	40.8	
Speakers - Perimeter E	Point	35.7	
Speakers - Perimeter E	Point	42.8	
Speakers - Perimeter E	Point	41.8	
Speakers - Perimeter E	Point	47.8	
Speakers - Perimeter E	Point	7.4	
Speakers - Perimeter E	Point	21.7	
Speakers - Perimeter E	Point	7.1	
Speakers - Perimeter E	Point	7.2	
Receiver R2 Fl G Leq,d 47.9 dB(A)			
Speakers - Perimeter N	Point	14.3	
Speakers - Perimeter N	Point	14.7	
Speakers - Perimeter N	Point	14.3	
Speakers - Perimeter N	Point	14.9	
Speakers - Perimeter N	Point	15.6	
Speakers - Perimeter N	Point	16.4	
Speakers - Perimeter N	Point	17.1	
Speakers - Perimeter N	Point	13.5	
Speakers - Perimeter N	Point	24.5	
Speakers - Perimeter N	Point	10.9	

Source	Source type	Leq,d dB(A)	
Speakers - Perimeter N	Point	11.0	
Speakers - Perimeter N	Point	13.5	
Speakers - Perimeter N	Point	13.5	
Speakers - Perimeter N	Point	13.5	
Speakers - Perimeter S	Point	38.5	
Speakers - Perimeter S	Point	39.0	
Speakers - Interior	Point	29.1	
Speakers - Interior	Point	24.6	
Speakers - Interior	Point	43.7	
Speakers - Interior	Point	30.3	
Speakers - Interior	Point	31.9	
Speakers - Interior	Point	28.1	
Speakers - Interior	Point	27.2	
Speakers - Interior	Point	20.3	
Speakers - Interior	Point	28.3	
Speakers - Interior	Point	16.5	
Speakers - Interior	Point	31.2	
Speakers - Interior	Point	20.2	
Speakers - Perimeter E	Point	24.2	
Speakers - Perimeter E	Point	20.0	
Speakers - Perimeter E	Point	27.9	
Speakers - Perimeter E	Point	29.5	
Speakers - Perimeter E	Point	41.1	
Speakers - Perimeter E	Point	5.1	
Speakers - Perimeter E	Point	11.1	
Speakers - Perimeter E	Point	5.1	
Speakers - Perimeter E	Point	4.9	
Receiver R3 Fl G Leq,d 58.3 dB(A)			
Speakers - Perimeter N	Point	32.0	
Speakers - Perimeter N	Point	29.3	
Speakers - Perimeter N	Point	45.3	
Speakers - Perimeter N	Point	47.1	
Speakers - Perimeter N	Point	49.2	
Speakers - Perimeter N	Point	48.8	
Speakers - Perimeter N	Point	47.0	
Speakers - Perimeter N	Point	26.0	
Speakers - Perimeter N	Point	46.1	
Speakers - Perimeter N	Point	32.3	
Speakers - Perimeter N	Point	32.6	
Speakers - Perimeter N	Point	32.9	
Speakers - Perimeter N	Point	33.8	

Source	Source type	Leq,d dB(A)	
Speakers - Perimeter N	Point	34.9	
Speakers - Perimeter S	Point	12.8	
Speakers - Perimeter S	Point	12.7	
Speakers - Interior	Point	35.4	
Speakers - Interior	Point	54.2	
Speakers - Interior	Point	32.9	
Speakers - Interior	Point	33.6	
Speakers - Interior	Point	32.5	
Speakers - Interior	Point	37.8	
Speakers - Interior	Point	46.8	
Speakers - Interior	Point	16.3	
Speakers - Interior	Point	27.5	
Speakers - Interior	Point	20.4	
Speakers - Interior	Point	25.0	
Speakers - Interior	Point	27.5	
Speakers - Perimeter E	Point	22.3	
Speakers - Perimeter E	Point	20.7	
Speakers - Perimeter E	Point	21.2	
Speakers - Perimeter E	Point	20.9	
Speakers - Perimeter E	Point	19.2	
Speakers - Perimeter E	Point	23.6	
Speakers - Perimeter E	Point	36.0	
Speakers - Perimeter E	Point	7.0	
Speakers - Perimeter E	Point	22.3	
Receiver R4 Fl G Leq,d 50.2 dB(A)			
Speakers - Perimeter N	Point	28.6	
Speakers - Perimeter N	Point	25.8	
Speakers - Perimeter N	Point	38.1	
Speakers - Perimeter N	Point	38.9	
Speakers - Perimeter N	Point	39.8	
Speakers - Perimeter N	Point	40.8	
Speakers - Perimeter N	Point	43.7	
Speakers - Perimeter N	Point	25.2	
Speakers - Perimeter N	Point	43.5	
Speakers - Perimeter N	Point	30.3	
Speakers - Perimeter N	Point	30.5	
Speakers - Perimeter N	Point	30.9	
Speakers - Perimeter N	Point	31.5	
Speakers - Perimeter N	Point	31.9	
Speakers - Perimeter S	Point	15.2	
Speakers - Perimeter S	Point	15.6	

Source	Source type	Leq,d dB(A)	
Speakers - Interior	Point	32.1	
Speakers - Interior	Point	29.2	
Speakers - Interior	Point	35.0	
Speakers - Interior	Point	33.2	
Speakers - Interior	Point	27.0	
Speakers - Interior	Point	31.2	
Speakers - Interior	Point	32.9	
Speakers - Interior	Point	13.2	
Speakers - Interior	Point	25.7	
Speakers - Interior	Point	15.3	
Speakers - Interior	Point	24.8	
Speakers - Interior	Point	22.7	
Speakers - Perimeter E	Point	20.6	
Speakers - Perimeter E	Point	18.9	
Speakers - Perimeter E	Point	19.6	
Speakers - Perimeter E	Point	17.5	
Speakers - Perimeter E	Point	16.7	
Speakers - Perimeter E	Point	5.8	
Speakers - Perimeter E	Point	32.2	
Speakers - Perimeter E	Point	5.1	
Speakers - Perimeter E	Point	8.7	
Receiver R5 Fl G Leq,d 59.0 dB(A)			
Speakers - Perimeter N	Point	46.8	
Speakers - Perimeter N	Point	46.1	
Speakers - Perimeter N	Point	39.9	
Speakers - Perimeter N	Point	38.9	
Speakers - Perimeter N	Point	38.0	
Speakers - Perimeter N	Point	39.0	
Speakers - Perimeter N	Point	36.5	
Speakers - Perimeter N	Point	31.1	
Speakers - Perimeter N	Point	44.5	
Speakers - Perimeter N	Point	42.9	
Speakers - Perimeter N	Point	43.7	
Speakers - Perimeter N	Point	44.5	
Speakers - Perimeter N	Point	45.3	
Speakers - Perimeter N	Point	42.5	
Speakers - Perimeter S	Point	20.6	
Speakers - Perimeter S	Point	18.2	
Speakers - Interior	Point	45.1	
Speakers - Interior	Point	44.0	
Speakers - Interior	Point	52.9	

Source	Source type	Leq,d dB(A)	
Speakers - Interior	Point	45.0	
Speakers - Interior	Point	45.9	
Speakers - Interior	Point	40.7	
Speakers - Interior	Point	40.8	
Speakers - Interior	Point	45.6	
Speakers - Interior	Point	43.1	
Speakers - Interior	Point	40.0	
Speakers - Interior	Point	39.2	
Speakers - Interior	Point	49.0	
Speakers - Perimeter E	Point	35.7	
Speakers - Perimeter E	Point	36.8	
Speakers - Perimeter E	Point	37.5	
Speakers - Perimeter E	Point	34.0	
Speakers - Perimeter E	Point	33.2	
Speakers - Perimeter E	Point	19.6	
Speakers - Perimeter E	Point	32.9	
Speakers - Perimeter E	Point	19.1	
Speakers - Perimeter E	Point	19.6	
Receiver R6 Fl G Leq,d 53.0 dB(A)			
Speakers - Perimeter N	Point	40.6	
Speakers - Perimeter N	Point	40.3	
Speakers - Perimeter N	Point	29.7	
Speakers - Perimeter N	Point	28.7	
Speakers - Perimeter N	Point	28.3	
Speakers - Perimeter N	Point	27.8	
Speakers - Perimeter N	Point	27.5	
Speakers - Perimeter N	Point	40.3	
Speakers - Perimeter N	Point	28.9	
Speakers - Perimeter N	Point	43.6	
Speakers - Perimeter N	Point	43.1	
Speakers - Perimeter N	Point	42.3	
Speakers - Perimeter N	Point	41.5	
Speakers - Perimeter N	Point	40.9	
Speakers - Perimeter S	Point	5.0	
Speakers - Perimeter S	Point	4.9	
Speakers - Interior	Point	40.0	
Speakers - Interior	Point	42.1	
Speakers - Interior	Point	36.3	
Speakers - Interior	Point	38.2	
Speakers - Interior	Point	39.7	
Speakers - Interior	Point	37.4	

Source	Source type	Leq,d dB(A)	
Speakers - Interior	Point	37.8	
Speakers - Interior	Point	15.3	
Speakers - Interior	Point	13.9	
Speakers - Interior	Point	26.1	
Speakers - Interior	Point	17.9	
Speakers - Interior	Point	20.7	
Speakers - Perimeter E	Point	30.9	
Speakers - Perimeter E	Point	33.5	
Speakers - Perimeter E	Point	38.6	
Speakers - Perimeter E	Point	26.7	
Speakers - Perimeter E	Point	25.3	
Speakers - Perimeter E	Point	28.8	
Speakers - Perimeter E	Point	29.2	
Speakers - Perimeter E	Point	26.8	
Speakers - Perimeter E	Point	31.7	
Receiver R7 Fl G Leq,d 55.6 dB(A)			
Speakers - Perimeter N	Point	34.9	
Speakers - Perimeter N	Point	34.5	
Speakers - Perimeter N	Point	23.4	
Speakers - Perimeter N	Point	23.0	
Speakers - Perimeter N	Point	22.4	
Speakers - Perimeter N	Point	22.0	
Speakers - Perimeter N	Point	21.8	
Speakers - Perimeter N	Point	44.6	
Speakers - Perimeter N	Point	27.9	
Speakers - Perimeter N	Point	31.5	
Speakers - Perimeter N	Point	29.2	
Speakers - Perimeter N	Point	27.2	
Speakers - Perimeter N	Point	26.2	
Speakers - Perimeter N	Point	26.0	
Speakers - Perimeter S	Point	10.3	
Speakers - Perimeter S	Point	10.1	
Speakers - Interior	Point	43.7	
Speakers - Interior	Point	44.2	
Speakers - Interior	Point	47.0	
Speakers - Interior	Point	45.6	
Speakers - Interior	Point	45.6	
Speakers - Interior	Point	30.0	
Speakers - Interior	Point	33.2	
Speakers - Interior	Point	28.9	
Speakers - Interior	Point	28.2	

Source	Source type	Leq,d dB(A)	
Speakers - Interior	Point	41.3	
Speakers - Interior	Point	38.2	
Speakers - Interior	Point	36.8	
Speakers - Perimeter E	Point	25.0	
Speakers - Perimeter E	Point	25.3	
Speakers - Perimeter E	Point	24.7	
Speakers - Perimeter E	Point	40.1	
Speakers - Perimeter E	Point	24.5	
Speakers - Perimeter E	Point	44.7	
Speakers - Perimeter E	Point	27.4	
Speakers - Perimeter E	Point	43.7	
Speakers - Perimeter E	Point	47.7	
Receiver R8 Fl G Leq,d 47.3 dB(A)			
Speakers - Perimeter N	Point	19.0	
Speakers - Perimeter N	Point	19.3	
Speakers - Perimeter N	Point	7.0	
Speakers - Perimeter N	Point	6.8	
Speakers - Perimeter N	Point	6.5	
Speakers - Perimeter N	Point	6.2	
Speakers - Perimeter N	Point	6.0	
Speakers - Perimeter N	Point	36.2	
Speakers - Perimeter N	Point	16.0	
Speakers - Perimeter N	Point	26.3	
Speakers - Perimeter N	Point	22.6	
Speakers - Perimeter N	Point	19.5	
Speakers - Perimeter N	Point	17.5	
Speakers - Perimeter N	Point	16.2	
Speakers - Perimeter S	Point	14.0	
Speakers - Perimeter S	Point	13.1	
Speakers - Interior	Point	32.3	
Speakers - Interior	Point	37.8	
Speakers - Interior	Point	28.8	
Speakers - Interior	Point	33.9	
Speakers - Interior	Point	31.1	
Speakers - Interior	Point	31.7	
Speakers - Interior	Point	33.0	
Speakers - Interior	Point	17.5	
Speakers - Interior	Point	9.7	
Speakers - Interior	Point	22.7	
Speakers - Interior	Point	9.6	
Speakers - Interior	Point	10.7	

Source	Source type	Leq,d dB(A)	
Speakers - Perimeter E	Point	21.7	
Speakers - Perimeter E	Point	20.9	
Speakers - Perimeter E	Point	20.2	
Speakers - Perimeter E	Point	22.4	
Speakers - Perimeter E	Point	23.3	
Speakers - Perimeter E	Point	39.0	
Speakers - Perimeter E	Point	30.0	
Speakers - Perimeter E	Point	42.3	
Speakers - Perimeter E	Point	37.3	
Receiver R8 Fl F2 Leq,d 53.5 dB(A)			
Speakers - Perimeter N	Point	19.4	
Speakers - Perimeter N	Point	19.7	
Speakers - Perimeter N	Point	8.4	
Speakers - Perimeter N	Point	7.8	
Speakers - Perimeter N	Point	7.6	
Speakers - Perimeter N	Point	7.4	
Speakers - Perimeter N	Point	7.2	
Speakers - Perimeter N	Point	38.5	
Speakers - Perimeter N	Point	25.0	
Speakers - Perimeter N	Point	32.4	
Speakers - Perimeter N	Point	31.5	
Speakers - Perimeter N	Point	29.3	
Speakers - Perimeter N	Point	27.2	
Speakers - Perimeter N	Point	25.6	
Speakers - Perimeter S	Point	20.0	
Speakers - Perimeter S	Point	19.3	
Speakers - Interior	Point	33.6	
Speakers - Interior	Point	41.3	
Speakers - Interior	Point	38.6	
Speakers - Interior	Point	41.0	
Speakers - Interior	Point	32.3	
Speakers - Interior	Point	34.3	
Speakers - Interior	Point	35.9	
Speakers - Interior	Point	17.9	
Speakers - Interior	Point	10.5	
Speakers - Interior	Point	23.0	
Speakers - Interior	Point	10.5	
Speakers - Interior	Point	11.4	
Speakers - Perimeter E	Point	22.3	
Speakers - Perimeter E	Point	21.2	
Speakers - Perimeter E	Point	20.6	

Source	Source type	Leq,d dB(A)	
Speakers - Perimeter E	Point	22.8	
Speakers - Perimeter E	Point	23.9	
Speakers - Perimeter E	Point	45.9	
Speakers - Perimeter E	Point	38.9	
Speakers - Perimeter E	Point	49.8	
Speakers - Perimeter E	Point	43.7	

AES
ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: TVCity Project

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

PHV to ADT factor 10%

EXISTING CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,109	21,090	10%	0	0	70.6
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,109	21,090	10%	0	0	70.6
- Between Beverly Blvd. and 3rd St.	60	10	40	35	2,399	23,990	10%	0	0	71.2
- Between 3rd St. and 6th St.	50	10	35	35	2,438	24,380	10%	0	0	71.9
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,183	21,830	10%	0	0	70.7
- Between Wilshire Blvd. and 8th St.	60	10	40	35	1,954	19,540	10%	0	0	70.3
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	2,541	25,410	10%	0	0	70.9
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	2,591	25,910	10%	0	0	71.0
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	2,503	25,030	10%	0	0	70.8
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	2,676	26,760	10%	0	0	71.1
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	2,705	27,050	10%	0	0	71.2
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	1,877	18,770	10%	0	0	70.1
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,247	22,470	10%	0	0	70.9
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,541	25,410	10%	0	0	71.4
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,557	25,570	10%	0	0	71.4
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,682	16,820	10%	0	0	71.0
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	631	6,310	10%	0	0	66.1
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	320	3,200	10%	0	0	64.2

* Estimated based on Google Earth map.

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

Date Printed: 10/21/2021

AES
ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: TVCity Project

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

PHV to ADT factor 10%

EXISTING + PROJECT CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,207	22,070	10%	0	0	70.8
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,207	22,070	10%	0	0	70.8
- Between Beverly Blvd. and 3rd St.	60	10	40	35	2,512	25,120	10%	0	0	71.4
- Between 3rd St. and 6th St.	50	10	35	35	2,544	25,440	10%	0	0	72.1
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,276	22,760	10%	0	0	70.9
- Between Wilshire Blvd. and 8th St.	60	10	40	35	1,997	19,970	10%	0	0	70.4
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	2,651	26,510	10%	0	0	71.1
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	2,761	27,610	10%	0	0	71.3
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	2,679	26,790	10%	0	0	71.1
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	2,862	28,620	10%	0	0	71.4
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	2,858	28,580	10%	0	0	71.4
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	1,970	19,700	10%	0	0	70.3
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,358	23,580	10%	0	0	71.1
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,652	26,520	10%	0	0	71.6
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,649	26,490	10%	0	0	71.6
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,682	16,820	10%	0	0	71.0
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	798	7,980	10%	0	0	67.1
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	320	3,200	10%	0	0	64.2

* Estimated based on Google Earth map.

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

Date Printed: 10/21/2021

AES
ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: TVCity Project

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

PHV to ADT factor 10%

FUTURE NO PROJECT CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,455	24,550	10%	0	0	71.3
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,455	24,550	10%	0	0	71.3
- Between Beverly Blvd. and 3rd St.	60	10	40	35	2,801	28,010	10%	0	0	71.8
- Between 3rd St. and 6th St.	50	10	35	35	2,898	28,980	10%	0	0	72.7
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,652	26,520	10%	0	0	71.6
- Between Wilshire Blvd. and 8th St.	60	10	40	35	2,510	25,100	10%	0	0	71.4
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	2,900	29,000	10%	0	0	71.5
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	2,846	28,460	10%	0	0	71.4
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	2,736	27,360	10%	0	0	71.2
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	2,921	29,210	10%	0	0	71.5
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	2,952	29,520	10%	0	0	71.6
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	2,149	21,490	10%	0	0	70.7
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,463	24,630	10%	0	0	71.3
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,771	27,710	10%	0	0	71.8
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,776	27,760	10%	0	0	71.8
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,878	18,780	10%	0	0	71.5
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	662	6,620	10%	0	0	66.3
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	336	3,360	10%	0	0	64.4

* Estimated based on Google Earth map.

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

Date Printed: 10/21/2021

AES
ACOUSTICAL ENGINEERING SERVICES

Off-Site Traffic Noise Calculations
Project: TVCity Project

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

PHV to ADT factor 10%

FUTURE + PROJECT CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,553	25,530	10%	0	0	71.4
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,553	25,530	10%	0	0	71.4
- Between Beverly Blvd. and 3rd St.	60	10	40	35	2,913	29,130	10%	0	0	72.0
- Between 3rd St. and 6th St.	50	10	35	35	3,004	30,040	10%	0	0	72.8
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,746	27,460	10%	0	0	71.7
- Between Wilshire Blvd. and 8th St.	60	10	40	35	2,553	25,530	10%	0	0	71.4
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	3,011	30,110	10%	0	0	71.6
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	3,015	30,150	10%	0	0	71.6
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	2,911	29,110	10%	0	0	71.5
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	3,107	31,070	10%	0	0	71.8
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	3,104	31,040	10%	0	0	71.8
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	2,242	22,420	10%	0	0	70.9
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,574	25,740	10%	0	0	71.5
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,882	28,820	10%	0	0	72.0
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,869	28,690	10%	0	0	71.9
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,878	18,780	10%	0	0	71.5
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	830	8,300	10%	0	0	67.2
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	336	3,360	10%	0	0	64.4

* Estimated based on Google Earth map.

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

Date Printed: 10/21/2021

Alternatives Noise Calculations

Project Composite Noise Calculations (CNEL), Alternative 4

Project: TVCity 2050

Receptor	Ambient	Mechanical	Outdoor Spaces	Parking	Loading	Traffic[a]		Project Composite	Ambient + Project	Increase
R1	62.3	49.4	53.4	54.6	61.3	53.6		63.3	65.9	3.6
R1U	62.3	55.3	57.6	58.6	59.2	53.6		64.3	66.4	4.1
R2	65.9	43.2	50.5	52.1	51.5	59.1		61.0	67.1	1.2
R3	72.4	43.7	60.8	40.2	55.7	61.2		64.7	73.1	0.7
R4	70.9	38.1	52.7	36.8	45.8	61.2		61.9	71.4	0.5
R5	62.7	46.4	61.6	41.7	56.8	45.1		63.0	65.9	3.2
R6	60.9	41.7	55.5	28.2	38.8	42.3		55.9	62.1	1.2
R7	58.7	48.0	58.2	37.1	52.9	54.3		60.7	62.8	4.1
R8	70.1	46.5	50.1	40.0	40.1	59.7		60.4	70.5	0.4
R8U	70.1	51.4	56.4	41.8	39.4	59.7		61.8	70.7	0.6

[a] - traffic noise levels at each receptor is based on the traffic noise analysis for the roadway segment in front of the receptor.

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	Beverly	62.8	63.3	53.6	250	70.8	71.3	0	45	-8.0
R1U	Beverly	62.8	63.3	53.6	250	70.8	71.3	0	45	-8.0
R2	The Grove Drive	65.0	66.0	59.1	20	66.1	67.1	0	35	-1.1
R3	Beverly	70.3	70.8	61.2	15	70.8	71.3	0	45	-0.5
R4	Beverly	70.3	70.8	61.2	15	70.8	71.3	0	45	-0.5
R5	Beverly	55.2	55.6	45.1	135	71.0	71.4	10	45	-5.8
R6	Beverly	53.7	54.0	42.3	200	70.9	71.2	10	45	-7.2
R7	Fairfax	64.4	64.8	54.3	160	71.2	71.6	0	40	-6.8
R8	Fairfax	69.8	70.2	59.7	25	71.2	71.6	0	40	-1.4
R8U	Fairfax	69.8	70.2	59.7	25	71.2	71.6	0	40	-1.4

FOR REPORT

Receptor	Ambient	Mechanical	Outdoor Spaces	Parking	Loading	Traffic[a]	Project Composite	Ambient + Project	Increase	Threshold
R1	62.3	55.3	57.6	58.6	61.3	53.6	64.3	66.4	4.1	67.3
R2	65.9	43.2	50.5	52.1	51.5	59.1	61.0	67.1	1.2	70.9
R3	72.4	43.7	60.8	40.2	55.7	61.2	64.7	73.1	0.7	75.4
R4	70.9	38.1	52.7	36.8	45.8	61.2	61.9	71.4	0.5	73.9
R5	62.7	46.4	61.6	41.7	56.8	45.1	63.0	65.9	3.2	67.7
R6	60.9	41.7	55.5	28.2	38.8	42.3	55.9	62.1	1.2	65.9
R7	58.7	48.0	58.2	37.1	52.9	54.3	60.7	62.8	4.1	63.7
R8	70.1	51.4	56.4	41.8	40.1	59.7	61.8	70.7	0.6	73.1

AES
Acoustical Engineering Services

Off-Site Traffic Noise Calculations

Project: TVCity Project, Alternative 4

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

PHV to ADT factor 10%

EXISTING CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,109	21,090	10%	0	0	70.6
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,109	21,090	10%	0	0	70.6
- Between Beverly Blvd. and 3rd St.	60	10	40	35	2,399	23,990	10%	0	0	71.2
- Between 3rd St. and 6th St.	50	10	35	35	2,438	24,380	10%	0	0	71.9
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,183	21,830	10%	0	0	70.7
- Between Wilshire Blvd. and 8th St.	60	10	40	35	1,954	19,540	10%	0	0	70.3
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	2,541	25,410	10%	0	0	70.9
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	2,591	25,910	10%	0	0	71.0
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	2,503	25,030	10%	0	0	70.8
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	2,676	26,760	10%	0	0	71.1
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	2,705	27,050	10%	0	0	71.2
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	1,877	18,770	10%	0	0	70.1
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,247	22,470	10%	0	0	70.9
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,541	25,410	10%	0	0	71.4
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,557	25,570	10%	0	0	71.4
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,682	16,820	10%	0	0	71.0
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	631	6,310	10%	0	0	66.1
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	320	3,200	10%	0	0	64.2

* Estimated based on Google Earth map.

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

Date Printed: 5/4/2022

AES
Acoustical Engineering Services

Off-Site Traffic Noise Calculations

Project: TVCity Project, Alternative 4

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

PHV to ADT factor 10%

EXISTING + PROJECT CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,333	23,330	10%	0	0	71.0
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,335	23,350	10%	0	0	71.0
- Between Beverly Blvd. and 3rd St.	60	10	40	35	2,685	26,850	10%	0	0	71.6
- Between 3rd St. and 6th St.	50	10	35	35	2,670	26,700	10%	0	0	72.3
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,398	23,980	10%	0	0	71.2
- Between Wilshire Blvd. and 8th St.	60	10	40	35	2,036	20,360	10%	0	0	70.4
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	2,746	27,460	10%	0	0	71.2
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	2,877	28,770	10%	0	0	71.4
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	2,796	27,960	10%	0	0	71.3
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	2,921	29,210	10%	0	0	71.5
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	2,902	29,020	10%	0	0	71.5
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	1,963	19,630	10%	0	0	70.3
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,349	23,490	10%	0	0	71.1
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,643	26,430	10%	0	0	71.6
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,678	26,780	10%	0	0	71.6
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,682	16,820	10%	0	0	71.0
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	798	7,980	10%	0	0	67.1
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	320	3,200	10%	0	0	64.2

* Estimated based on Google Earth map.

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

Date Printed: 5/4/2022

AES
Acoustical Engineering Services

Off-Site Traffic Noise Calculations

Project: TVCity Project, Alternative 4

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

PHV to ADT factor 10%

FUTURE NO PROJECT CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,455	24,550	10%	0	0	71.3
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,455	24,550	10%	0	0	71.3
- Between Beverly Blvd. and 3rd St.	60	10	40	35	2,801	28,010	10%	0	0	71.8
- Between 3rd St. and 6th St.	50	10	35	35	2,898	28,980	10%	0	0	72.7
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,652	26,520	10%	0	0	71.6
- Between Wilshire Blvd. and 8th St.	60	10	40	35	2,510	25,100	10%	0	0	71.4
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	2,900	29,000	10%	0	0	71.5
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	2,846	28,460	10%	0	0	71.4
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	2,736	27,360	10%	0	0	71.2
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	2,921	29,210	10%	0	0	71.5
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	2,952	29,520	10%	0	0	71.6
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	2,149	21,490	10%	0	0	70.7
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,463	24,630	10%	0	0	71.3
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,771	27,710	10%	0	0	71.8
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,776	27,760	10%	0	0	71.8
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,878	18,780	10%	0	0	71.5
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	662	6,620	10%	0	0	66.3
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	336	3,360	10%	0	0	64.4

* Estimated based on Google Earth map.

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

Date Printed: 5/4/2022

AES
Acoustical Engineering Services

Off-Site Traffic Noise Calculations

Project: TVCity Project, Alternative 4

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

PHV to ADT factor 10%

FUTURE + PROJECT CONDITIONS - CNEL

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
Fairfax Ave.										
- Between Melrose Ave. and Rosewood Ave.	60	10	40	35	2,679	26,790	10%	0	0	71.6
- Between Rosewood Ave. and Beverly Blvd.	60	10	40	35	2,680	26,800	10%	0	0	71.6
- Between Beverly Blvd. and 3rd St.	60	10	40	35	3,087	30,870	10%	0	0	72.3
- Between 3rd St. and 6th St.	50	10	35	35	3,130	31,300	10%	0	0	73.0
- Between 6th St. and Wilshire Blvd.	60	10	40	35	2,867	28,670	10%	0	0	71.9
- Between Wilshire Blvd. and 8th St.	60	10	40	35	2,591	25,910	10%	0	0	71.5
Beverly Blvd.										
- Between Crescent Heights Blvd. and Fairfax Ave	70	10	45	35	3,106	31,060	10%	0	0	71.8
- Between Fairfax Ave. and Genesee Ave.	70	10	45	35	3,132	31,320	10%	0	0	71.8
- Between Genesee Ave. and Stanley Ave.	70	10	45	35	3,029	30,290	10%	0	0	71.7
- Between Stanley Ave. and Gardner Ave.	70	10	45	35	3,166	31,660	10%	0	0	71.9
- Between Gardner Ave. and La Brea Ave.	70	10	45	35	3,149	31,490	10%	0	0	71.8
3rd St.										
- Between Crescent Heights Blvd. and Fairfax Ave	60	10	40	35	2,235	22,350	10%	0	0	70.8
- Between Fairfax Ave. and Ogden Ave.	60	10	40	35	2,564	25,640	10%	0	0	71.4
- Between Ogden Ave. and The Grove Dr.	60	10	40	35	2,873	28,730	10%	0	0	71.9
- Between The Grove Dr. and Martel Ave.	60	10	40	35	2,898	28,980	10%	0	0	72.0
Crescent Heights Blvd.										
- Between Beverly Blvd and 3rd St.	40	10	30	35	1,878	18,780	10%	0	0	71.5
The Grove Dr.										
- Between Beverly Blvd and 3rd St.	50	10	35	35	829	8,290	10%	0	0	67.2
Gardner St.										
- Between Beverly Blvd and 3rd St.	35	10	27.5	35	336	3,360	10%	0	0	64.4

* Estimated based on Google Earth map.

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

Date Printed: 5/4/2022