

Appendix K

Noise Calculation Worksheets

1111 Sunset Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

Ambient Noise Measurements

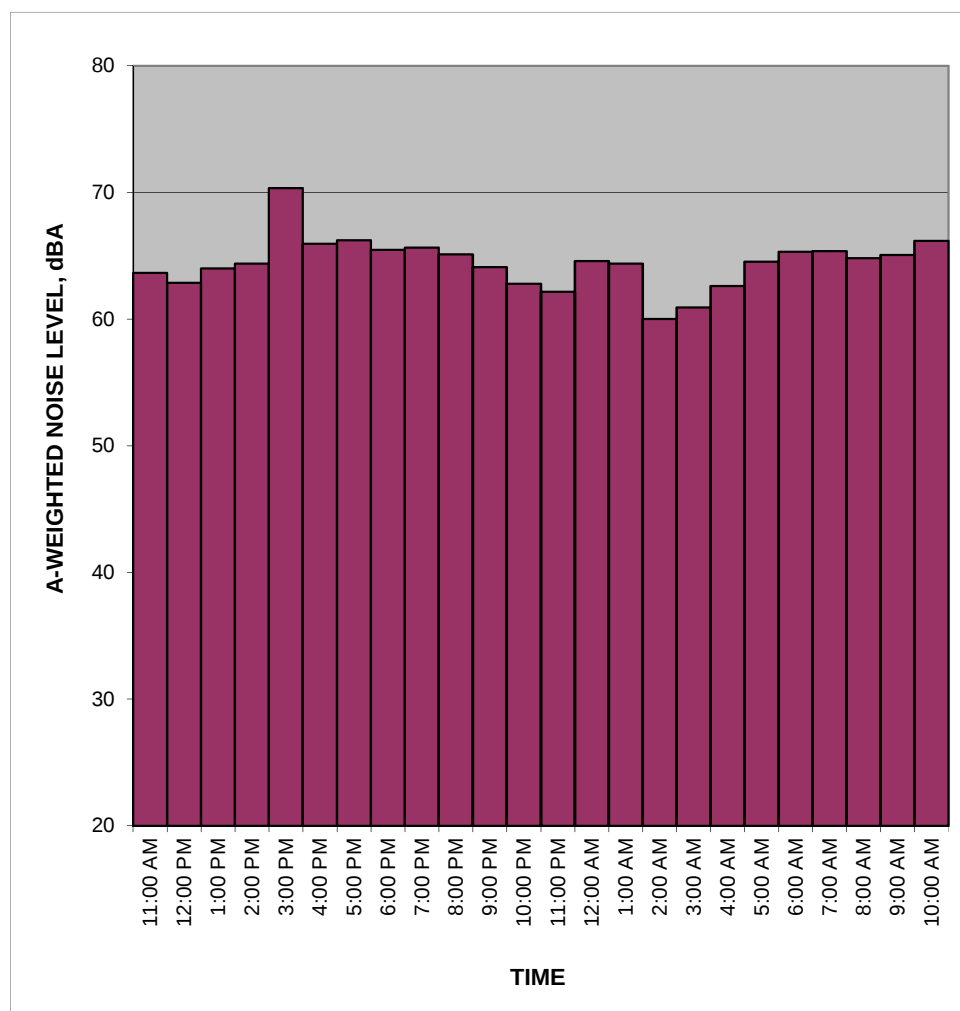
Measured Ambient Noise Levels

Project: 1111 Sunset Project
Location: P1
Sources: Ambient

Date: 12/03 to 12/04/2018

TIME	HNL, dB(A)
11:00 AM	63.6
12:00 PM	62.9
1:00 PM	64.0
2:00 PM	64.4
3:00 PM	70.3
4:00 PM	65.9
5:00 PM	66.2
6:00 PM	65.5
7:00 PM	65.6
8:00 PM	65.1
9:00 PM	64.1
10:00 PM	62.8
11:00 PM	62.2
12:00 AM	64.6
1:00 AM	64.4
2:00 AM	60.0
3:00 AM	60.9
4:00 AM	62.6
5:00 AM	64.5
6:00 AM	65.3
7:00 AM	65.4
8:00 AM	64.8
9:00 AM	65.1
10:00 AM	66.2
CNEL, dB(A):	70.5

Daytime Avg. Leq: 65.7
Nighttime Avg. Leq: 63.3



NOTES:

Location: R1
Date: 12/3/2018

Time	Overload	Leq	Lmax	L10	L90
10:48:57 AM	No	54.5	59.2	57.4	52
10:49:57 AM	No	57.8	68.2	60.7	51.8
10:50:57 AM	No	65.7	73.6	70.7	54.4
10:51:57 AM	No	61.4	66.8	64.9	55.2
10:52:57 AM	No	52.6	55.3	54.1	51.1
10:53:57 AM	No	59.3	67.8	63.6	51.5
10:54:57 AM	No	69.1	77.8	75.3	56.3
10:55:57 AM	No	55.5	64.5	57.8	51.6
10:56:57 AM	No	53.5	60	56.1	51.3
10:57:57 AM	No	58.2	65.3	61.4	53
10:58:57 AM	No	54.4	61.4	56.4	51.5
10:59:57 AM	No	57.4	62.1	60.8	51.1
11:00:57 AM	No	55.0	63.4	58.3	50.7
11:01:57 AM	No	59.0	69.2	63.1	51.7
11:02:57 AM	No	55.4	60.1	58.1	52.8
		61.0			

Time	Overload	Leq	Lmax	L10	L90
9:58:28 PM	No	51.7	54.4	52.8	50.8
9:59:28 PM	No	54.4	60.9	57.4	51.6
10:00:28 PM	No	57.6	65.5	60.5	52.8
10:01:28 PM	No	53.7	61.3	56.3	51
10:02:28 PM	No	52.6	55.5	53.9	51.4
10:03:28 PM	No	54.7	60	58.3	51.3
10:04:28 PM	No	57.3	68.6	58.7	51.2
10:05:28 PM	No	52.6	57	54.2	51.1
10:06:28 PM	No	56.1	67.3	58.1	50.8
10:07:28 PM	No	52.8	56.5	54.9	51
10:08:28 PM	No	53.2	57.7	54.8	51.3
10:09:28 PM	No	61	67.5	65.9	52.2
10:10:28 PM	No	52	58.1	53	50.8
10:11:28 PM	No	58.5	68.6	62.6	52.3
10:12:28 PM	No	57	67	61.4	50.9
		55.9			

Location: R2
Date: 12/3/2018

Time	Overload	Leq	Lmax	L10	L90
11:06:14 AM	No	62	68.7	66.4	51.2
11:07:14 AM	No	56.8	67.4	60.4	50.3
11:08:14 AM	No	55.4	65.5	59.1	50.7
11:09:14 AM	No	55	64.8	58.5	50.9
11:10:14 AM	No	49.9	56.4	50.9	48.7
11:11:14 AM	No	52.8	62.5	55.3	49.4
11:12:14 AM	No	53.6	64.1	56.9	48.7
11:13:14 AM	No	54.4	65.8	57.5	49.3
11:14:14 AM	No	55	65.6	60.3	49.1
11:15:14 AM	No	51.5	57.9	53.9	49.1
11:16:14 AM	No	55.5	65	59.5	49.9
11:17:14 AM	No	57.3	69.5	58.9	49.9
11:18:14 AM	No	54.2	63.4	58.4	49.6
11:19:14 AM	No	52.5	62.9	54.5	49.2
11:20:14 AM	No	56.9	67.2	61.1	50.9
		55.9			

Time	Overload	Leq	Lmax	L10	L90
10:15:44 PM	No	56.3	66.5	60.3	51.4
10:16:44 PM	No	52.1	54.6	53.1	50.9
10:17:44 PM	No	53.2	56.4	54.2	52.4
10:18:44 PM	No	57.4	67.1	61.8	51
10:19:44 PM	No	56.2	68.2	57.4	51.3
10:20:44 PM	No	51.5	53.3	52.1	50.9
10:21:44 PM	No	55	64.6	57.5	51.5
10:22:44 PM	No	53.7	63.6	52.9	51.3
10:23:44 PM	No	56	63.5	58.7	53
10:24:44 PM	No	51.6	52.9	52.1	51.1
10:25:44 PM	No	51.3	52.8	52.3	50.8
10:26:44 PM	No	52.9	57.4	55	51
10:27:44 PM	No	52.8	57.6	54.8	51
10:28:44 PM	No	51.5	53.6	52.4	50.6
10:29:44 PM	No	54.8	64.5	57.1	50.6
		54.2			

Location: R3
Date: 12/3/2018

Time	Overload	Leq	Lmax	L10	L90
11:26:08 AM	No	45.2	51.3	46.9	43.3
11:27:08 AM	No	43.1	51.3	44.6	41.6
11:28:08 AM	No	45.3	49.7	47.7	43.1
11:29:08 AM	No	46.4	52.4	47.9	44.3
11:30:08 AM	No	48.2	50.8	49.7	45.3
11:31:08 AM	No	46.9	48.9	48.2	44.5
11:32:08 AM	No	46.9	56.3	49.1	42.7
11:33:08 AM	No	46.5	50.3	48.3	44.1
11:34:08 AM	No	52.6	63.7	55.7	44.7
11:35:08 AM	No	48	53.6	50.5	44.9
11:36:08 AM	No	51.8	59.9	54.8	46.3
11:37:08 AM	No	50.4	58.8	55.6	44.9
11:38:08 AM	No	48.7	56.2	51.5	44.9
11:39:08 AM	No	60.1	73.2	63.6	46.4
11:40:08 AM	No	46.9	53.7	50.7	43.7
		51.3			

Time	Overload	Leq	Lmax	L10	L90
10:34:06 PM	No	48	52.1	48.7	47.2
10:35:06 PM	No	47.7	48.8	48.2	47.3
10:36:06 PM	No	51.5	62.1	54.1	47.3
10:37:06 PM	No	48.6	51	49.7	47.6
10:38:06 PM	No	47.9	49.6	48.8	47
10:39:06 PM	No	48.2	50	49	47.3
10:40:06 PM	No	56.3	67.6	60	48.5
10:41:06 PM	No	47.6	51.9	48.8	46.6
10:42:06 PM	No	48.3	53.5	49.1	47.3
10:43:06 PM	No	51.1	61.9	52.1	47
10:44:06 PM	No	53.1	64.9	54.9	47.7
10:45:06 PM	No	58.6	71.2	61.9	47.2
10:46:06 PM	No	48.3	50.7	49.4	47.5
10:47:06 PM	No	47.2	49	47.8	46.7
10:48:06 PM	No	49.4	55.4	52.3	46.9
		51.8			

Location: R4
Date: 12/3/2018

Time	Overload	Leq	Lmax	L10	L90
11:44:14 AM	No	60.1	65.6	62.9	58.1
11:45:14 AM	No	60.6	65.1	62.6	57.7
11:46:14 AM	No	60.3	64.8	61.8	57.4
11:47:14 AM	No	62.4	71.8	64.1	59.4
11:48:14 AM	No	59.9	62.8	61.2	57.9
11:49:14 AM	No	59.6	68.4	60.7	57.7
11:50:14 AM	No	60.2	65.9	61.7	58.5
11:51:14 AM	No	59.4	64.1	60.2	58.4
11:52:14 AM	No	59.8	65.5	61.2	58.4
11:53:14 AM	No	59.9	65.1	61.3	57.9
11:54:14 AM	No	59.2	61.2	60.3	57.9
11:55:14 AM	No	60.3	63.9	62.3	58.1
11:56:14 AM	No	63.8	70.2	67.4	60.3
11:57:14 AM	No	59.1	65.4	60.7	57.3
11:58:14 AM	No	59.3	63.5	60.4	57.5
		60.5			

Time	Overload	Leq	Lmax	L10	L90
10:52:19 PM	No	58.4	61.2	59.3	57.3
10:53:19 PM	No	58.2	59.8	59.3	56.6
10:54:19 PM	No	57.5	60.1	58.4	56.7
10:55:19 PM	No	57.7	59.6	58.2	57
10:56:19 PM	No	60	68.6	62.4	57.2
10:57:19 PM	No	63.3	73.3	67.1	57.8
10:58:19 PM	No	58.4	66.6	59.4	57.2
10:59:19 PM	No	57.8	60.2	59	56.7
11:00:19 PM	No	58.8	62.4	60.2	57.2
11:01:19 PM	No	57.8	60.3	58.9	56.8
11:02:19 PM	No	59.2	66.7	60.1	57.1
11:03:19 PM	No	58.7	62.2	60	57.5
11:04:19 PM	No	58.9	62.3	60.8	56.8
11:05:19 PM	No	58.9	62.3	60	57.3
11:06:19 PM	No	58.7	60.6	59.6	57.5
		59.1			

Location: R5
Date: 12/3/2018

Time	Overload	Leq	Lmax	L10	L90
12:06:51 PM	No	58.7	62.7	61.3	53.5
12:07:51 PM	No	59.7	65.8	61.8	54
12:08:51 PM	No	58.2	63.7	61.8	49.3
12:09:51 PM	No	58.5	62.3	61.4	54.4
12:10:51 PM	No	57.9	62.5	60.2	53.5
12:11:51 PM	No	61.1	67.1	64.4	54.8
12:12:51 PM	No	61.5	67.2	65.5	57.7
12:13:51 PM	No	61.5	69.9	63.1	55.2
12:14:51 PM	No	62	68.9	65.5	56.8
12:15:51 PM	No	60.5	67.8	63.3	50
12:16:51 PM	No	59.8	64.5	63.2	50.3
12:17:51 PM	No	60	65.5	62.5	56.1
12:18:51 PM	No	57.9	62.7	60.5	53
12:19:51 PM	No	59.7	62.8	61.8	56.7
12:20:51 PM	No	58.9	62.8	61.4	54.1
		59.9			

Time	Overload	Leq	Lmax	L10	L90
11:15:11 PM	No	56.3	68.9	57.6	52.1
11:16:11 PM	No	55	61.1	57.8	51.7
11:17:11 PM	No	56.8	62.8	59.3	53.2
11:18:11 PM	No	55.8	66.3	57.3	50.1
11:19:11 PM	No	57.6	63.2	60.6	53.5
11:20:11 PM	No	58.4	66.6	61.7	52.6
11:21:11 PM	No	59.6	70.9	61.9	52.1
11:22:11 PM	No	57.6	63.9	61	53.4
11:23:11 PM	No	67.5	77.5	73.2	51.7
11:24:11 PM	No	57	64.1	60.4	51.8
11:25:11 PM	No	57.4	64	59.6	53
11:26:11 PM	No	56.4	61	58.8	53.3
11:27:11 PM	No	60.8	69	65.8	52.3
11:28:11 PM	No	54	59.2	56.3	51.3
11:29:11 PM	No	56.3	61.8	58.6	51.8
		59.5			

Location: R6
Date: 12/3/2018

Time	Overload	Leq	Lmax	L10	L90
12:24:42 PM	No	59.1	64.7	61.7	56.8
12:25:42 PM	No	57.9	60.6	59.8	55
12:26:42 PM	No	59.5	62.6	61	57.6
12:27:42 PM	No	59.1	60.6	60.3	57.7
12:28:42 PM	No	58.5	60.6	59.5	57.3
12:29:42 PM	No	58.4	61	60.4	55.6
12:30:42 PM	No	58.2	63.7	60	56
12:31:42 PM	No	58.3	61.9	60	56.3
12:32:42 PM	No	59	63.2	61.6	56.9
12:33:42 PM	No	58.8	62.2	61.1	55.8
12:34:42 PM	No	58.7	61.2	60.3	57.1
12:35:42 PM	No	62	68.8	66.4	57.3
12:36:42 PM	No	66.5	74.3	71.3	57.3
12:37:42 PM	No	59.1	63	60	57.9
12:38:42 PM	No	58.7	64.3	61.8	54.9
		60.2			

Time	Overload	Leq	Lmax	L10	L90
11:33:22 PM	No	56.9	59.6	58.1	55.6
11:34:22 PM	No	58.4	62	60	56.4
11:35:22 PM	No	61.2	73.2	62.3	57.1
11:36:22 PM	No	63.5	74.3	67.9	56
11:37:22 PM	No	58.5	62.1	59.8	56.8
11:38:22 PM	No	57.7	61.5	60.2	55.9
11:39:22 PM	No	57.2	59.1	58.1	56
11:40:22 PM	No	60.8	73.9	59.4	55.5
11:41:22 PM	No	58.5	64.6	60.9	56
11:42:22 PM	No	56.3	57.7	56.9	55.5
11:43:22 PM	No	57.9	60.5	59.4	56.5
11:44:22 PM	No	57.4	58.9	58.4	55.9
11:45:22 PM	No	57.6	59.6	59	56
11:46:22 PM	No	57.3	61.3	59.6	55.8
11:47:22 PM	No	56.7	59	57.9	55.3
		58.9			

Location: R7
Date: 12/3/2018

Time	Overload	Leq	Lmax	L10	L90
12:42:36 PM	No	71.4	75.1	73.8	65
12:43:36 PM	No	69.5	77.3	73.1	57.7
12:44:36 PM	No	70.2	75.8	73.6	56.5
12:45:36 PM	No	71.4	79.1	73.4	63.5
12:46:36 PM	No	69.7	75.3	73.4	62.5
12:47:36 PM	No	68.9	75.3	72.4	63.1
12:48:36 PM	No	72.5	80.4	75.3	65.6
12:49:36 PM	No	66.2	74.3	68.9	57.7
12:50:36 PM	No	72	79.4	74.3	64.9
12:51:36 PM	No	71.5	76.9	74.6	65.3
12:52:36 PM	No	70.3	77.2	74	59.8
12:53:36 PM	No	69.9	74.3	73.1	64.7
12:54:36 PM	No	68.9	75.4	72.7	60.3
12:55:36 PM	No	67	72.8	70.4	60
12:56:36 PM	No	70.8	80.4	73.5	61.2
		70.3			

Time	Overload	Leq	Lmax	L10	L90
11:52:29 PM	No	65.5	70.8	68.8	58.1
11:53:29 PM	No	64.1	70.4	67.5	54.8
11:54:29 PM	No	65.8	71.8	69.7	53.3
11:55:29 PM	No	63.3	71.8	66.8	52.8
11:56:29 PM	No	67.3	72.7	70.9	58.1
11:57:29 PM	No	66.4	76.4	71.4	54.6
11:58:29 PM	No	66.2	72.2	70.5	56.3
11:59:29 PM	No	65.7	73.1	70.3	53.8
12:00:29 AM	No	66.4	73.2	70.1	57.6
12:01:29 AM	No	62.4	71.1	67	53.1
12:02:29 AM	No	64.4	72.8	68.1	55.1
12:03:29 AM	No	65.5	71.7	69.4	56.3
12:04:29 AM	No	66	72	70	57
12:05:29 AM	No	67.5	75.1	72.3	56.9
12:06:29 AM	No	63.9	72.4	67.8	55.4
		65.6			

Construction Noise & Vibration Calculations

Project: 1111 Sunset Project

Construction Phase: *Utility Work (Phase 0) and Demolition (Phase 1)*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	70	0
Excavator	1	81	40%	70	0
Skid Steer Loaders	1	79	40%	95	0
Rough Terrain Forklifts	1	83	40%	95	0
Air Compressor	1	78	40%	120	0
Water Truck	1	82	10%	120	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Trencher	1	80	50%	145	0
Excavator	1	81	40%	170	0
Skid Steer Loaders	1	79	40%	170	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Trencher	1	80	50%	195	0

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Receptor: *R1*

Results:

1-hour Leq: 82.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*

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%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Concrete Saw	1	90	20%	95	0
Excavator	1	81	40%	95	0
Generator Set	1	81	50%	120	0
Air Compressor	1	78	40%	120	0
Water Truck	1	82	10%	145	0
Compactors	1	83	20%	145	0
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders	1	79	40%	170	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	3	81	40%	195	0
Water Truck	2	82	10%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	3	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	2	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0

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Receptor: *R1*

Results:

1-hour Leq: 82.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Grading/Excavation (Phase 0 and 1)

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%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Concrete Saw		90	20%		
Excavator	1	81	40%	95	0
Generator Set	1	81	50%	120	0
Air Compressor		78	40%		
Water Truck	1	82	10%	145	0
Compactors	1	83	20%	145	0
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders	1	79	40%	170	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	3	81	40%	195	0
Water Truck	2	82	10%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	3	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	2	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0

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Receptor: R1

Results:

1-hour Leq: 81.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete (Phase 0) and Grading/Excav (Phase 1)

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Crane (Tower)	1	81	16%	95	0
Excavator	1	81	40%	95	0
Generator Set	1	81	50%	120	0
Air Compressor	2	78	40%	120	0
Water Truck	1	82	10%	145	0
Concrete Pump	1	81	20%	145	0
Compactors	1	83	20%	170	0
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders	1	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	2	81	40%	195	0
Water Truck	2	82	10%	195	0
Concrete Pump	2	81	20%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	2	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	2	74	40%	195	0
Cement and Mortar Mixer	2	80	50%	195	0

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Receptor: R1

Results:

1-hour Leq: 81.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete
Phase 0 and Phase 1/2 Mat

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Compactors	1	83	20%	70	0
Crane (Tower)	1	81	16%	95	0
Forklifts	1	75	20%	95	0
Air Compressor	1	78	40%	120	0
Concrete Pump	1	81	20%	120	0
Rough Terrain Forklifts	1	83	40%	145	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Welders	1	74	40%	170	0
Crane (Mobile)	1	81	16%	170	0
Compactors	1	83	20%	195	0
Crane (Tower)	1	81	16%	195	0
Forklifts	1	75	20%	195	0
Air Compressor	1	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Compactors	1	83	20%	195	0
Concrete Pump	1	81	20%	195	0
Compactors	1	83	20%	195	0

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Receptor: R1

Results:
1-hour Leq: 79.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 0 and Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Rough Terrain Forklifts	1	83	40%	70	0
Crane (Tower)	1	81	16%	95	0
Aerial Lift	1	75	20%	95	0
Air Compressor	1	78	40%	120	0
Concrete Pump	1	81	20%	120	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Welders	1	74	40%	145	0
Fork Lift	1	75	20%	170	0
Crane (Mobile)	1	81	16%	170	0
Rough Terrain Forklifts	1	83	40%	195	0
Crane (Tower)	1	81	16%	195	0
Aerial Lift	1	75	20%	195	0
Air Compressor	1	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Fork Lift	1	75	20%	195	0
Crane (Tower)	2	81	16%	195	0
Aerial Lift	10	75	20%	195	0
Air Compressor	6	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Welders	1	74	40%	195	0
Fork Lift	5	75	20%	195	0

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Receptor: *R1*

Results:

1-hour Leq: 80.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
Phase 1/2**

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Crane (Tower)	1	81	16%	95	0
Aerial Lift	1	75	20%	95	0
Air Compressor	1	78	40%	120	0
Concrete Pump	1	81	20%	120	0
Rough Terrain Forklifts	1	83	40%	145	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Skid Steer Loaders	1	79	40%	170	0
Fork Lift	1	75	20%	170	0
Welders	1	74	40%	195	0
Crane (Mobile)	1	81	16%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Crane (Tower)	1	81	16%	195	0
Aerial Lift	1	75	20%	195	0
Air Compressor	1	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Skid Steer Loaders	1	79	40%	195	0
Fork Lift	4	75	20%	195	0
Welders	1	74	40%	195	0
Cement and Mortar Mixer	2	80	50%	195	0
Crane (Tower)	1	81	16%	195	0
Aerial Lift	8	75	20%	195	0
Air Compressor	4	78	40%	195	0

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Receptor: *R1*

Results:

1-hour Leq: 80.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Bungalows/Paving/Landscape*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	70	0
Crane (Mobile)	1	81	16%	70	0
Cement and Mortar Mixer	1	80	50%	95	0
Excavator	1	81	40%	95	0
Aerial Lift	1	75	20%	120	0
Air Compressor	1	78	40%	120	0
Compactors	1	83	20%	145	0
Rough Terrain Forklifts	1	83	40%	145	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Skid Steer Loaders	1	79	40%	145	0
Fork Lift	1	75	20%	145	0
Welders	1	74	40%	145	0
Water Truck	2	82	10%	145	0
Paver	2	77	50%	145	0
Paving Equipment	2	77	50%	145	0
Trencher	1	80	50%	145	0
Rubber Tired Loaders	1	79	40%	145	0
Cement and Mortar Mixer	1	80	50%	145	0
Aerial Lift	1	75	20%	170	0
Air Compressor	1	78	40%	170	0
Compactors	1	83	20%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Fork Lift	1	75	20%	195	0

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Receptor: *R1*

Results:

1-hour Leq: 83.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Utility Work (Phase 0) and Demolition (Phase 1)*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	70	0
Excavator	1	81	40%	70	0
Skid Steer Loaders	1	79	40%	95	0
Rough Terrain Forklifts	1	83	40%	95	0
Air Compressor	1	78	40%	120	0
Water Truck	1	82	10%	120	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Trencher	1	80	50%	145	0
Excavator	1	81	40%	170	0
Skid Steer Loaders	1	79	40%	170	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Trencher	1	80	50%	195	0

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Receptor: R2

Results:

1-hour Leq: 82.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*

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%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Concrete Saw	1	90	20%	95	0
Excavator	1	81	40%	95	0
Generator Set	1	81	50%	120	0
Air Compressor	1	78	40%	120	0
Water Truck	1	82	10%	145	0
Compactors	1	83	20%	145	0
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders	1	79	40%	170	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	3	81	40%	195	0
Water Truck	2	82	10%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	3	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	2	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0

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Receptor: R2

Results:

1-hour Leq: 82.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Grading/Excavation (Phase 0 and 1)

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%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Concrete Saw		90	20%		
Excavator	1	81	40%	95	0
Generator Set	1	81	50%	120	0
Air Compressor		78	40%		
Water Truck	1	82	10%	145	0
Compactors	1	83	20%	145	0
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders	1	79	40%	170	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	3	81	40%	195	0
Water Truck	2	82	10%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	3	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	2	74	40%	195	0
Bore/Drill Rig	1	84	20%	195	0

27

Receptor: R2

Results:

1-hour Leq: 81.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete (Phase 0) and Grading/Excav (Phase 1)

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Crane (Tower)	1	81	16%	95	0
Excavator	1	81	40%	95	0
Generator Set	1	81	50%	120	0
Air Compressor	2	78	40%	120	0
Water Truck	1	82	10%	145	0
Concrete Pump	1	81	20%	145	0
Compactors	1	83	20%	170	0
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders	1	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	2	81	40%	195	0
Water Truck	2	82	10%	195	0
Concrete Pump	2	81	20%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	2	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	2	74	40%	195	0
Cement and Mortar Mixer	2	80	50%	195	0

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Receptor: R2

Results:

1-hour Leq: 81.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete
Phase 0 and Phase 1/2 Mat

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Compactors	1	83	20%	70	0
Crane (Tower)	1	81	16%	95	0
Forklifts	1	75	20%	95	0
Air Compressor	1	78	40%	120	0
Concrete Pump	1	81	20%	120	0
Rough Terrain Forklifts	1	83	40%	145	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Welders	1	74	40%	170	0
Crane (Mobile)	1	81	16%	170	0
Compactors	1	83	20%	195	0
Crane (Tower)	1	81	16%	195	0
Forklifts	1	75	20%	195	0
Air Compressor	1	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Compactors	1	83	20%	195	0
Concrete Pump	1	81	20%	195	0
Compactors	1	83	20%	195	0

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Receptor: R2

Results:
1-hour Leq: 79.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 0 and Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Rough Terrain Forklifts	1	83	40%	70	0
Crane (Tower)	1	81	16%	95	0
Aerial Lift	1	75	20%	95	0
Air Compressor	1	78	40%	120	0
Concrete Pump	1	81	20%	120	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Welders	1	74	40%	145	0
Fork Lift	1	75	20%	170	0
Crane (Mobile)	1	81	16%	170	0
Rough Terrain Forklifts	1	83	40%	195	0
Crane (Tower)	1	81	16%	195	0
Aerial Lift	1	75	20%	195	0
Air Compressor	1	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Fork Lift	1	75	20%	195	0
Crane (Tower)	2	81	16%	195	0
Aerial Lift	10	75	20%	195	0
Air Compressor	6	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Welders	1	74	40%	195	0
Fork Lift	5	75	20%	195	0

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Receptor: R2

Results:

1-hour Leq: 80.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
Phase 1/2**

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	70	0
Cement and Mortar Mixer	1	80	50%	70	0
Crane (Tower)	1	81	16%	95	0
Aerial Lift	1	75	20%	95	0
Air Compressor	1	78	40%	120	0
Concrete Pump	1	81	20%	120	0
Rough Terrain Forklifts	1	83	40%	145	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Skid Steer Loaders	1	79	40%	170	0
Fork Lift	1	75	20%	170	0
Welders	1	74	40%	195	0
Crane (Mobile)	1	81	16%	195	0
Cement and Mortar Mixer	1	80	50%	195	0
Crane (Tower)	1	81	16%	195	0
Aerial Lift	1	75	20%	195	0
Air Compressor	1	78	40%	195	0
Concrete Pump	1	81	20%	195	0
Skid Steer Loaders	1	79	40%	195	0
Fork Lift	4	75	20%	195	0
Welders	1	74	40%	195	0
Cement and Mortar Mixer	2	80	50%	195	0
Crane (Tower)	1	81	16%	195	0
Aerial Lift	8	75	20%	195	0
Air Compressor	4	78	40%	195	0

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Receptor: R2

Results:

1-hour Leq: 80.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Bungalows/Paving/Landscape*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	70	0
Crane (Mobile)	1	81	16%	70	0
Cement and Mortar Mixer	1	80	50%	95	0
Excavator	1	81	40%	95	0
Aerial Lift	1	75	20%	120	0
Air Compressor	1	78	40%	120	0
Compactors	1	83	20%	145	0
Rough Terrain Forklifts	1	83	40%	145	0
Tractor/Loader/Backhoe	1	79	40%	145	0
Skid Steer Loaders	1	79	40%	145	0
Fork Lift	1	75	20%	145	0
Welders	1	74	40%	145	0
Water Truck	2	82	10%	145	0
Paver	2	77	50%	145	0
Paving Equipment	2	77	50%	145	0
Trencher	1	80	50%	145	0
Rubber Tired Loaders	1	79	40%	145	0
Cement and Mortar Mixer	1	80	50%	145	0
Aerial Lift	1	75	20%	170	0
Air Compressor	1	78	40%	170	0
Compactors	1	83	20%	195	0
Tractor/Loader/Backhoe	1	79	40%	195	0
Skid Steer Loaders	1	79	40%	195	0
Fork Lift	1	75	20%	195	0

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Receptor: R2

Results:

1-hour Leq: 83.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Utility Work (Phase 0) and Demolition (Phase 1)*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	485	5
Excavator	1	81	40%	485	5
Skid Steer Loaders	1	79	40%	510	5
Rough Terrain Forklifts	1	83	40%	510	5
Air Compressor	1	78	40%	535	5
Water Truck	1	82	10%	535	5
Tractor/Loader/Backhoe	1	79	40%	560	5
Trencher	1	80	50%	560	5
Excavator	1	81	40%	585	5
Skid Steer Loaders	1	79	40%	585	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Trencher	1	80	50%	610	5

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Receptor: *R3*

Results:

1-hour Leq: 62.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*

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%	485	5
Cement and Mortar Mixer	1	80	50%	485	5
Concrete Saw	1	90	20%	510	5
Excavator	1	81	40%	510	5
Generator Set	1	81	50%	535	5
Air Compressor	1	78	40%	535	5
Water Truck	1	82	10%	560	5
Compactors	1	83	20%	560	5
Rough Terrain Forklifts	1	83	40%	585	5
Rubber Tired Loaders	1	79	40%	585	5
Skid Steer Loaders	1	79	40%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	1	74	40%	610	5
Bore/Drill Rig	1	84	20%	610	5
Cement and Mortar Mixer	1	80	50%	610	5
Excavator	3	81	40%	610	5
Water Truck	2	82	10%	610	5
Compactors	1	83	20%	610	5
Rubber Tired Loaders	3	79	40%	610	5
Skid Steer Loaders	1	79	40%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	2	74	40%	610	5
Bore/Drill Rig	1	84	20%	610	5

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Receptor: R3

Results:

1-hour Leq: 64.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Grading/Excavation (Phase 0 and 1)

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%	485	5
Cement and Mortar Mixer	1	80	50%	485	5
Concrete Saw		90	20%		
Excavator	1	81	40%	510	5
Generator Set	1	81	50%	535	5
Air Compressor		78	40%		
Water Truck	1	82	10%	560	5
Compactors	1	83	20%	560	5
Rough Terrain Forklifts	1	83	40%	585	5
Rubber Tired Loaders	1	79	40%	585	5
Skid Steer Loaders	1	79	40%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	1	74	40%	610	5
Bore/Drill Rig	1	84	20%	610	5
Cement and Mortar Mixer	1	80	50%	610	5
Excavator	3	81	40%	610	5
Water Truck	2	82	10%	610	5
Compactors	1	83	20%	610	5
Rubber Tired Loaders	3	79	40%	610	5
Skid Steer Loaders	1	79	40%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	2	74	40%	610	5
Bore/Drill Rig	1	84	20%	610	5

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Receptor: R3

Results:

1-hour Leq: 63.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete (Phase 0) and Grading/Excav (Phase 1)

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	485	5
Cement and Mortar Mixer	1	80	50%	485	5
Crane (Tower)	1	81	16%	510	5
Excavator	1	81	40%	510	5
Generator Set	1	81	50%	535	5
Air Compressor	2	78	40%	535	5
Water Truck	1	82	10%	560	5
Concrete Pump	1	81	20%	560	5
Compactors	1	83	20%	585	5
Rough Terrain Forklifts	1	83	40%	585	5
Rubber Tired Loaders	1	79	40%	610	5
Skid Steer Loaders	1	79	40%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	1	74	40%	610	5
Cement and Mortar Mixer	1	80	50%	610	5
Excavator	2	81	40%	610	5
Water Truck	2	82	10%	610	5
Concrete Pump	2	81	20%	610	5
Compactors	1	83	20%	610	5
Rubber Tired Loaders	2	79	40%	610	5
Skid Steer Loaders	1	79	40%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	2	74	40%	610	5
Cement and Mortar Mixer	2	80	50%	610	5

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Receptor: R3

Results:

1-hour Leq: 63.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: Concrete
Phase 0 and Phase 1/2 Mat**

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	485	5
Compactors	1	83	20%	485	5
Crane (Tower)	1	81	16%	510	5
Forklifts	1	75	20%	510	5
Air Compressor	1	78	40%	535	5
Concrete Pump	1	81	20%	535	5
Rough Terrain Forklifts	1	83	40%	560	5
Tractor/Loader/Backhoe	1	79	40%	560	5
Welders	1	74	40%	585	5
Crane (Mobile)	1	81	16%	585	5
Compactors	1	83	20%	610	5
Crane (Tower)	1	81	16%	610	5
Forklifts	1	75	20%	610	5
Air Compressor	1	78	40%	610	5
Concrete Pump	1	81	20%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	1	74	40%	610	5
Compactors	1	83	20%	610	5
Concrete Pump	1	81	20%	610	5
Compactors	1	83	20%	610	5

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Receptor: R3

Results:
1-hour Leq: 61.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 0 and Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	485	5
Rough Terrain Forklifts	1	83	40%	485	5
Crane (Tower)	1	81	16%	510	5
Aerial Lift	1	75	20%	510	5
Air Compressor	1	78	40%	535	5
Concrete Pump	1	81	20%	535	5
Tractor/Loader/Backhoe	1	79	40%	560	5
Welders	1	74	40%	560	5
Fork Lift	1	75	20%	585	5
Crane (Mobile)	1	81	16%	585	5
Rough Terrain Forklifts	1	83	40%	610	5
Crane (Tower)	1	81	16%	610	5
Aerial Lift	1	75	20%	610	5
Air Compressor	1	78	40%	610	5
Concrete Pump	1	81	20%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	1	74	40%	610	5
Fork Lift	1	75	20%	610	5
Crane (Tower)	2	81	16%	610	5
Aerial Lift	10	75	20%	610	5
Air Compressor	6	78	40%	610	5
Concrete Pump	1	81	20%	610	5
Welders	1	74	40%	610	5
Fork Lift	5	75	20%	610	5

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Receptor: R3

Results:

1-hour Leq: 62.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
Phase 1/2**

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	485	5
Cement and Mortar Mixer	1	80	50%	485	5
Crane (Tower)	1	81	16%	510	5
Aerial Lift	1	75	20%	510	5
Air Compressor	1	78	40%	535	5
Concrete Pump	1	81	20%	535	5
Rough Terrain Forklifts	1	83	40%	560	5
Tractor/Loader/Backhoe	1	79	40%	560	5
Skid Steer Loaders	1	79	40%	585	5
Fork Lift	1	75	20%	585	5
Welders	1	74	40%	610	5
Crane (Mobile)	1	81	16%	610	5
Cement and Mortar Mixer	1	80	50%	610	5
Crane (Tower)	1	81	16%	610	5
Aerial Lift	1	75	20%	610	5
Air Compressor	1	78	40%	610	5
Concrete Pump	1	81	20%	610	5
Skid Steer Loaders	1	79	40%	610	5
Fork Lift	4	75	20%	610	5
Welders	1	74	40%	610	5
Cement and Mortar Mixer	2	80	50%	610	5
Crane (Tower)	1	81	16%	610	5
Aerial Lift	8	75	20%	610	5
Air Compressor	4	78	40%	610	5

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Receptor: R3

Results:

1-hour Leq: 62.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Bungalows/Paving/Landscape*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	485	5
Crane (Mobile)	1	81	16%	485	5
Cement and Mortar Mixer	1	80	50%	510	5
Excavator	1	81	40%	510	5
Aerial Lift	1	75	20%	535	5
Air Compressor	1	78	40%	535	5
Compactors	1	83	20%	560	5
Rough Terrain Forklifts	1	83	40%	560	5
Tractor/Loader/Backhoe	1	79	40%	560	5
Skid Steer Loaders	1	79	40%	560	5
Fork Lift	1	75	20%	560	5
Welders	1	74	40%	560	5
Water Truck	2	82	10%	560	5
Paver	2	77	50%	560	5
Paving Equipment	2	77	50%	560	5
Trencher	1	80	50%	560	5
Rubber Tired Loaders	1	79	40%	560	5
Cement and Mortar Mixer	1	80	50%	560	5
Aerial Lift	1	75	20%	585	5
Air Compressor	1	78	40%	585	5
Compactors	1	83	20%	610	5
Tractor/Loader/Backhoe	1	79	40%	610	5
Skid Steer Loaders	1	79	40%	610	5
Fork Lift	1	75	20%	610	5

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Receptor: R3

Results:

1-hour Leq: 64.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Utility Work (Phase 0) and Demolition (Phase 1)*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	195	15
Excavator	1	81	40%	195	15
Skid Steer Loaders	1	79	40%	220	15
Rough Terrain Forklifts	1	83	40%	220	15
Air Compressor	1	78	40%	245	15
Water Truck	1	82	10%	245	15
Tractor/Loader/Backhoe	1	79	40%	270	15
Trencher	1	80	50%	270	15
Excavator	1	81	40%	295	15
Skid Steer Loaders	1	79	40%	295	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Trencher	1	80	50%	320	15

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Receptor: *R4*

Results:

1-hour Leq: 59.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*

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	15
Cement and Mortar Mixer	1	80	50%	195	15
Concrete Saw	1	90	20%	220	15
Excavator	1	81	40%	220	15
Generator Set	1	81	50%	245	15
Air Compressor	1	78	40%	245	15
Water Truck	1	82	10%	270	15
Compactors	1	83	20%	270	15
Rough Terrain Forklifts	1	83	40%	295	15
Rubber Tired Loaders	1	79	40%	295	15
Skid Steer Loaders	1	79	40%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	1	74	40%	320	15
Bore/Drill Rig	1	84	20%	320	15
Cement and Mortar Mixer	1	80	50%	320	15
Excavator	3	81	40%	320	15
Water Truck	2	82	10%	320	15
Compactors	1	83	20%	320	15
Rubber Tired Loaders	3	79	40%	320	15
Skid Steer Loaders	1	79	40%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	2	74	40%	320	15
Bore/Drill Rig	1	84	20%	320	15

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Receptor: *R4*

Results:

1-hour Leq: 61.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Grading/Excavation (Phase 0 and 1)

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	15
Cement and Mortar Mixer	1	80	50%	195	15
Concrete Saw		90	20%		
Excavator	1	81	40%	220	15
Generator Set	1	81	50%	245	15
Air Compressor		78	40%		
Water Truck	1	82	10%	270	15
Compactors	1	83	20%	270	15
Rough Terrain Forklifts	1	83	40%	295	15
Rubber Tired Loaders	1	79	40%	295	15
Skid Steer Loaders	1	79	40%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	1	74	40%	320	15
Bore/Drill Rig	1	84	20%	320	15
Cement and Mortar Mixer	1	80	50%	320	15
Excavator	3	81	40%	320	15
Water Truck	2	82	10%	320	15
Compactors	1	83	20%	320	15
Rubber Tired Loaders	3	79	40%	320	15
Skid Steer Loaders	1	79	40%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	2	74	40%	320	15
Bore/Drill Rig	1	84	20%	320	15

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Receptor: R4

Results:

1-hour Leq: 60.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete (Phase 0) and Grading/Excav (Phase 1)

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	195	15
Cement and Mortar Mixer	1	80	50%	195	15
Crane (Tower)	1	81	16%	220	15
Excavator	1	81	40%	220	15
Generator Set	1	81	50%	245	15
Air Compressor	2	78	40%	245	15
Water Truck	1	82	10%	270	15
Concrete Pump	1	81	20%	270	15
Compactors	1	83	20%	295	15
Rough Terrain Forklifts	1	83	40%	295	15
Rubber Tired Loaders	1	79	40%	320	15
Skid Steer Loaders	1	79	40%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	1	74	40%	320	15
Cement and Mortar Mixer	1	80	50%	320	15
Excavator	2	81	40%	320	15
Water Truck	2	82	10%	320	15
Concrete Pump	2	81	20%	320	15
Compactors	1	83	20%	320	15
Rubber Tired Loaders	2	79	40%	320	15
Skid Steer Loaders	1	79	40%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	2	74	40%	320	15
Cement and Mortar Mixer	2	80	50%	320	15

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Receptor: R4

Results:

1-hour Leq: 60.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete
Phase 0 and Phase 1/2 Mat

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	195	15
Compactors	1	83	20%	195	15
Crane (Tower)	1	81	16%	220	15
Forklifts	1	75	20%	220	15
Air Compressor	1	78	40%	245	15
Concrete Pump	1	81	20%	245	15
Rough Terrain Forklifts	1	83	40%	270	15
Tractor/Loader/Backhoe	1	79	40%	270	15
Welders	1	74	40%	295	15
Crane (Mobile)	1	81	16%	295	15
Compactors	1	83	20%	320	15
Crane (Tower)	1	81	16%	320	15
Forklifts	1	75	20%	320	15
Air Compressor	1	78	40%	320	15
Concrete Pump	1	81	20%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	1	74	40%	320	15
Compactors	1	83	20%	320	15
Concrete Pump	1	81	20%	320	15
Compactors	1	83	20%	320	15

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Receptor: R4

Results:

1-hour Leq: 57.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 0 and Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	195	15
Rough Terrain Forklifts	1	83	40%	195	15
Crane (Tower)	1	81	16%	220	15
Aerial Lift	1	75	20%	220	15
Air Compressor	1	78	40%	245	15
Concrete Pump	1	81	20%	245	15
Tractor/Loader/Backhoe	1	79	40%	270	15
Welders	1	74	40%	270	15
Fork Lift	1	75	20%	295	15
Crane (Mobile)	1	81	16%	295	15
Rough Terrain Forklifts	1	83	40%	320	15
Crane (Tower)	1	81	16%	320	15
Aerial Lift	1	75	20%	320	15
Air Compressor	1	78	40%	320	15
Concrete Pump	1	81	20%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	1	74	40%	320	15
Fork Lift	1	75	20%	320	15
Crane (Tower)	2	81	16%	320	15
Aerial Lift	10	75	20%	320	15
Air Compressor	6	78	40%	320	15
Concrete Pump	1	81	20%	320	15
Welders	1	74	40%	320	15
Fork Lift	5	75	20%	320	15

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Receptor: *R4*

Results:

1-hour Leq: 59.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
Phase 1/2**

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	195	15
Cement and Mortar Mixer	1	80	50%	195	15
Crane (Tower)	1	81	16%	220	15
Aerial Lift	1	75	20%	220	15
Air Compressor	1	78	40%	245	15
Concrete Pump	1	81	20%	245	15
Rough Terrain Forklifts	1	83	40%	270	15
Tractor/Loader/Backhoe	1	79	40%	270	15
Skid Steer Loaders	1	79	40%	295	15
Fork Lift	1	75	20%	295	15
Welders	1	74	40%	320	15
Crane (Mobile)	1	81	16%	320	15
Cement and Mortar Mixer	1	80	50%	320	15
Crane (Tower)	1	81	16%	320	15
Aerial Lift	1	75	20%	320	15
Air Compressor	1	78	40%	320	15
Concrete Pump	1	81	20%	320	15
Skid Steer Loaders	1	79	40%	320	15
Fork Lift	4	75	20%	320	15
Welders	1	74	40%	320	15
Cement and Mortar Mixer	2	80	50%	320	15
Crane (Tower)	1	81	16%	320	15
Aerial Lift	8	75	20%	320	15
Air Compressor	4	78	40%	320	15

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Receptor: *R4*

Results:

1-hour Leq: 59.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Bungalows/Paving/Landscape*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	195	15
Crane (Mobile)	1	81	16%	195	15
Cement and Mortar Mixer	1	80	50%	220	15
Excavator	1	81	40%	220	15
Aerial Lift	1	75	20%	245	15
Air Compressor	1	78	40%	245	15
Compactors	1	83	20%	270	15
Rough Terrain Forklifts	1	83	40%	270	15
Tractor/Loader/Backhoe	1	79	40%	270	15
Skid Steer Loaders	1	79	40%	270	15
Fork Lift	1	75	20%	270	15
Welders	1	74	40%	270	15
Water Truck	2	82	10%	270	15
Paver	2	77	50%	270	15
Paving Equipment	2	77	50%	270	15
Trencher	1	80	50%	270	15
Rubber Tired Loaders	1	79	40%	270	15
Cement and Mortar Mixer	1	80	50%	270	15
Aerial Lift	1	75	20%	295	15
Air Compressor	1	78	40%	295	15
Compactors	1	83	20%	320	15
Tractor/Loader/Backhoe	1	79	40%	320	15
Skid Steer Loaders	1	79	40%	320	15
Fork Lift	1	75	20%	320	15

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Receptor: *R4*

Results:

1-hour Leq: 61.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Utility Work (Phase 0) and Demolition (Phase 1)*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	265	0
Excavator	1	81	40%	265	0
Skid Steer Loaders	1	79	40%	290	0
Rough Terrain Forklifts	1	83	40%	290	0
Air Compressor	1	78	40%	315	0
Water Truck	1	82	10%	315	0
Tractor/Loader/Backhoe	1	79	40%	340	0
Trencher	1	80	50%	340	0
Excavator	1	81	40%	365	0
Skid Steer Loaders	1	79	40%	365	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Trencher	1	80	50%	390	0

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Receptor: R5

Results:

1-hour Leq: 72.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*

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%	265	0
Cement and Mortar Mixer	1	80	50%	265	0
Concrete Saw	1	90	20%	290	0
Excavator	1	81	40%	290	0
Generator Set	1	81	50%	315	0
Air Compressor	1	78	40%	315	0
Water Truck	1	82	10%	340	0
Compactors	1	83	20%	340	0
Rough Terrain Forklifts	1	83	40%	365	0
Rubber Tired Loaders	1	79	40%	365	0
Skid Steer Loaders	1	79	40%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	1	74	40%	390	0
Bore/Drill Rig	1	84	20%	390	0
Cement and Mortar Mixer	1	80	50%	390	0
Excavator	3	81	40%	390	0
Water Truck	2	82	10%	390	0
Compactors	1	83	20%	390	0
Rubber Tired Loaders	3	79	40%	390	0
Skid Steer Loaders	1	79	40%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	2	74	40%	390	0
Bore/Drill Rig	1	84	20%	390	0

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Receptor: R5

Results:
1-hour Leq: 74.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Grading/Excavation (Phase 0 and 1)

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%	265	0
Cement and Mortar Mixer	1	80	50%	265	0
Concrete Saw		90	20%		
Excavator	1	81	40%	290	0
Generator Set	1	81	50%	315	0
Air Compressor		78	40%		
Water Truck	1	82	10%	340	0
Compactors	1	83	20%	340	0
Rough Terrain Forklifts	1	83	40%	365	0
Rubber Tired Loaders	1	79	40%	365	0
Skid Steer Loaders	1	79	40%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	1	74	40%	390	0
Bore/Drill Rig	1	84	20%	390	0
Cement and Mortar Mixer	1	80	50%	390	0
Excavator	3	81	40%	390	0
Water Truck	2	82	10%	390	0
Compactors	1	83	20%	390	0
Rubber Tired Loaders	3	79	40%	390	0
Skid Steer Loaders	1	79	40%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	2	74	40%	390	0
Bore/Drill Rig	1	84	20%	390	0

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Receptor: R5

Results:

1-hour Leq: 73.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete (Phase 0) and Grading/Excav (Phase 1)

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	265	0
Cement and Mortar Mixer	1	80	50%	265	0
Crane (Tower)	1	81	16%	290	0
Excavator	1	81	40%	290	0
Generator Set	1	81	50%	315	0
Air Compressor	2	78	40%	315	0
Water Truck	1	82	10%	340	0
Concrete Pump	1	81	20%	340	0
Compactors	1	83	20%	365	0
Rough Terrain Forklifts	1	83	40%	365	0
Rubber Tired Loaders	1	79	40%	390	0
Skid Steer Loaders	1	79	40%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	1	74	40%	390	0
Cement and Mortar Mixer	1	80	50%	390	0
Excavator	2	81	40%	390	0
Water Truck	2	82	10%	390	0
Concrete Pump	2	81	20%	390	0
Compactors	1	83	20%	390	0
Rubber Tired Loaders	2	79	40%	390	0
Skid Steer Loaders	1	79	40%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	2	74	40%	390	0
Cement and Mortar Mixer	2	80	50%	390	0

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Receptor: R5

Results:

1-hour Leq: 73.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete
Phase 0 and Phase 1/2 Mat

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	265	0
Compactors	1	83	20%	265	0
Crane (Tower)	1	81	16%	290	0
Forklifts	1	75	20%	290	0
Air Compressor	1	78	40%	315	0
Concrete Pump	1	81	20%	315	0
Rough Terrain Forklifts	1	83	40%	340	0
Tractor/Loader/Backhoe	1	79	40%	340	0
Welders	1	74	40%	365	0
Crane (Mobile)	1	81	16%	365	0
Compactors	1	83	20%	390	0
Crane (Tower)	1	81	16%	390	0
Forklifts	1	75	20%	390	0
Air Compressor	1	78	40%	390	0
Concrete Pump	1	81	20%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	1	74	40%	390	0
Compactors	1	83	20%	390	0
Concrete Pump	1	81	20%	390	0
Compactors	1	83	20%	390	0

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Receptor: R5

Results:
1-hour Leq: 70.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 0 and Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	265	0
Rough Terrain Forklifts	1	83	40%	265	0
Crane (Tower)	1	81	16%	290	0
Aerial Lift	1	75	20%	290	0
Air Compressor	1	78	40%	315	0
Concrete Pump	1	81	20%	315	0
Tractor/Loader/Backhoe	1	79	40%	340	0
Welders	1	74	40%	340	0
Fork Lift	1	75	20%	365	0
Crane (Mobile)	1	81	16%	365	0
Rough Terrain Forklifts	1	83	40%	390	0
Crane (Tower)	1	81	16%	390	0
Aerial Lift	1	75	20%	390	0
Air Compressor	1	78	40%	390	0
Concrete Pump	1	81	20%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	1	74	40%	390	0
Fork Lift	1	75	20%	390	0
Crane (Tower)	2	81	16%	390	0
Aerial Lift	10	75	20%	390	0
Air Compressor	6	78	40%	390	0
Concrete Pump	1	81	20%	390	0
Welders	1	74	40%	390	0
Fork Lift	5	75	20%	390	0

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Receptor: R5

Results:

1-hour Leq: 72.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	265	0
Cement and Mortar Mixer	1	80	50%	265	0
Crane (Tower)	1	81	16%	290	0
Aerial Lift	1	75	20%	290	0
Air Compressor	1	78	40%	315	0
Concrete Pump	1	81	20%	315	0
Rough Terrain Forklifts	1	83	40%	340	0
Tractor/Loader/Backhoe	1	79	40%	340	0
Skid Steer Loaders	1	79	40%	365	0
Fork Lift	1	75	20%	365	0
Welders	1	74	40%	390	0
Crane (Mobile)	1	81	16%	390	0
Cement and Mortar Mixer	1	80	50%	390	0
Crane (Tower)	1	81	16%	390	0
Aerial Lift	1	75	20%	390	0
Air Compressor	1	78	40%	390	0
Concrete Pump	1	81	20%	390	0
Skid Steer Loaders	1	79	40%	390	0
Fork Lift	4	75	20%	390	0
Welders	1	74	40%	390	0
Cement and Mortar Mixer	2	80	50%	390	0
Crane (Tower)	1	81	16%	390	0
Aerial Lift	8	75	20%	390	0
Air Compressor	4	78	40%	390	0

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Receptor: R5

Results:

1-hour Leq: 72.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Bungalows/Paving/Landscape*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	265	0
Crane (Mobile)	1	81	16%	265	0
Cement and Mortar Mixer	1	80	50%	290	0
Excavator	1	81	40%	290	0
Aerial Lift	1	75	20%	315	0
Air Compressor	1	78	40%	315	0
Compactors	1	83	20%	340	0
Rough Terrain Forklifts	1	83	40%	340	0
Tractor/Loader/Backhoe	1	79	40%	340	0
Skid Steer Loaders	1	79	40%	340	0
Fork Lift	1	75	20%	340	0
Welders	1	74	40%	340	0
Water Truck	2	82	10%	340	0
Paver	2	77	50%	340	0
Paving Equipment	2	77	50%	340	0
Trencher	1	80	50%	340	0
Rubber Tired Loaders	1	79	40%	340	0
Cement and Mortar Mixer	1	80	50%	340	0
Aerial Lift	1	75	20%	365	0
Air Compressor	1	78	40%	365	0
Compactors	1	83	20%	390	0
Tractor/Loader/Backhoe	1	79	40%	390	0
Skid Steer Loaders	1	79	40%	390	0
Fork Lift	1	75	20%	390	0

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Receptor: R5

Results:

1-hour Leq: 73.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Utility Work (Phase 0) and Demolition (Phase 1)*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	210	0
Excavator	1	81	40%	210	0
Skid Steer Loaders	1	79	40%	235	0
Rough Terrain Forklifts	1	83	40%	235	0
Air Compressor	1	78	40%	260	0
Water Truck	1	82	10%	260	0
Tractor/Loader/Backhoe	1	79	40%	285	0
Trencher	1	80	50%	285	0
Excavator	1	81	40%	310	0
Skid Steer Loaders	1	79	40%	310	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Trencher	1	80	50%	335	0

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Receptor: R6

Results:

1-hour Leq: 74.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*

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%	210	0
Cement and Mortar Mixer	1	80	50%	210	0
Concrete Saw	1	90	20%	235	0
Excavator	1	81	40%	235	0
Generator Set	1	81	50%	260	0
Air Compressor	1	78	40%	260	0
Water Truck	1	82	10%	285	0
Compactors	1	83	20%	285	0
Rough Terrain Forklifts	1	83	40%	310	0
Rubber Tired Loaders	1	79	40%	310	0
Skid Steer Loaders	1	79	40%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	1	74	40%	335	0
Bore/Drill Rig	1	84	20%	335	0
Cement and Mortar Mixer	1	80	50%	335	0
Excavator	3	81	40%	335	0
Water Truck	2	82	10%	335	0
Compactors	1	83	20%	335	0
Rubber Tired Loaders	3	79	40%	335	0
Skid Steer Loaders	1	79	40%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	2	74	40%	335	0
Bore/Drill Rig	1	84	20%	335	0

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Receptor: R6

Results:
1-hour Leq: 75.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Grading/Excavation (Phase 0 and 1)

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%	210	0
Cement and Mortar Mixer	1	80	50%	210	0
Concrete Saw		90	20%		
Excavator	1	81	40%	235	0
Generator Set	1	81	50%	260	0
Air Compressor		78	40%		
Water Truck	1	82	10%	285	0
Compactors	1	83	20%	285	0
Rough Terrain Forklifts	1	83	40%	310	0
Rubber Tired Loaders	1	79	40%	310	0
Skid Steer Loaders	1	79	40%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	1	74	40%	335	0
Bore/Drill Rig	1	84	20%	335	0
Cement and Mortar Mixer	1	80	50%	335	0
Excavator	3	81	40%	335	0
Water Truck	2	82	10%	335	0
Compactors	1	83	20%	335	0
Rubber Tired Loaders	3	79	40%	335	0
Skid Steer Loaders	1	79	40%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	2	74	40%	335	0
Bore/Drill Rig	1	84	20%	335	0

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Receptor: R6

Results:

1-hour Leq: 74.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete (Phase 0) and Grading/Excav (Phase 1)

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	210	0
Cement and Mortar Mixer	1	80	50%	210	0
Crane (Tower)	1	81	16%	235	0
Excavator	1	81	40%	235	0
Generator Set	1	81	50%	260	0
Air Compressor	2	78	40%	260	0
Water Truck	1	82	10%	285	0
Concrete Pump	1	81	20%	285	0
Compactors	1	83	20%	310	0
Rough Terrain Forklifts	1	83	40%	310	0
Rubber Tired Loaders	1	79	40%	335	0
Skid Steer Loaders	1	79	40%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	1	74	40%	335	0
Cement and Mortar Mixer	1	80	50%	335	0
Excavator	2	81	40%	335	0
Water Truck	2	82	10%	335	0
Concrete Pump	2	81	20%	335	0
Compactors	1	83	20%	335	0
Rubber Tired Loaders	2	79	40%	335	0
Skid Steer Loaders	1	79	40%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	2	74	40%	335	0
Cement and Mortar Mixer	2	80	50%	335	0

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Receptor: R6

Results:

1-hour Leq: 74.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete
Phase 0 and Phase 1/2 Mat

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	210	0
Compactors	1	83	20%	210	0
Crane (Tower)	1	81	16%	235	0
Forklifts	1	75	20%	235	0
Air Compressor	1	78	40%	260	0
Concrete Pump	1	81	20%	260	0
Rough Terrain Forklifts	1	83	40%	285	0
Tractor/Loader/Backhoe	1	79	40%	285	0
Welders	1	74	40%	310	0
Crane (Mobile)	1	81	16%	310	0
Compactors	1	83	20%	335	0
Crane (Tower)	1	81	16%	335	0
Forklifts	1	75	20%	335	0
Air Compressor	1	78	40%	335	0
Concrete Pump	1	81	20%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	1	74	40%	335	0
Compactors	1	83	20%	335	0
Concrete Pump	1	81	20%	335	0
Compactors	1	83	20%	335	0

20

Receptor: R6

Results:
1-hour Leq: 72.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 0 and Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	210	0
Rough Terrain Forklifts	1	83	40%	210	0
Crane (Tower)	1	81	16%	235	0
Aerial Lift	1	75	20%	235	0
Air Compressor	1	78	40%	260	0
Concrete Pump	1	81	20%	260	0
Tractor/Loader/Backhoe	1	79	40%	285	0
Welders	1	74	40%	285	0
Fork Lift	1	75	20%	310	0
Crane (Mobile)	1	81	16%	310	0
Rough Terrain Forklifts	1	83	40%	335	0
Crane (Tower)	1	81	16%	335	0
Aerial Lift	1	75	20%	335	0
Air Compressor	1	78	40%	335	0
Concrete Pump	1	81	20%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	1	74	40%	335	0
Fork Lift	1	75	20%	335	0
Crane (Tower)	2	81	16%	335	0
Aerial Lift	10	75	20%	335	0
Air Compressor	6	78	40%	335	0
Concrete Pump	1	81	20%	335	0
Welders	1	74	40%	335	0
Fork Lift	5	75	20%	335	0

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Receptor: R6

Results:

1-hour Leq: 73.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
Phase 1/2**

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	210	0
Cement and Mortar Mixer	1	80	50%	210	0
Crane (Tower)	1	81	16%	235	0
Aerial Lift	1	75	20%	235	0
Air Compressor	1	78	40%	260	0
Concrete Pump	1	81	20%	260	0
Rough Terrain Forklifts	1	83	40%	285	0
Tractor/Loader/Backhoe	1	79	40%	285	0
Skid Steer Loaders	1	79	40%	310	0
Fork Lift	1	75	20%	310	0
Welders	1	74	40%	335	0
Crane (Mobile)	1	81	16%	335	0
Cement and Mortar Mixer	1	80	50%	335	0
Crane (Tower)	1	81	16%	335	0
Aerial Lift	1	75	20%	335	0
Air Compressor	1	78	40%	335	0
Concrete Pump	1	81	20%	335	0
Skid Steer Loaders	1	79	40%	335	0
Fork Lift	4	75	20%	335	0
Welders	1	74	40%	335	0
Cement and Mortar Mixer	2	80	50%	335	0
Crane (Tower)	1	81	16%	335	0
Aerial Lift	8	75	20%	335	0
Air Compressor	4	78	40%	335	0

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Receptor: R6

Results:

1-hour Leq: 73.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Bungalows/Paving/Landscape*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	210	0
Crane (Mobile)	1	81	16%	210	0
Cement and Mortar Mixer	1	80	50%	235	0
Excavator	1	81	40%	235	0
Aerial Lift	1	75	20%	260	0
Air Compressor	1	78	40%	260	0
Compactors	1	83	20%	285	0
Rough Terrain Forklifts	1	83	40%	285	0
Tractor/Loader/Backhoe	1	79	40%	285	0
Skid Steer Loaders	1	79	40%	285	0
Fork Lift	1	75	20%	285	0
Welders	1	74	40%	285	0
Water Truck	2	82	10%	285	0
Paver	2	77	50%	285	0
Paving Equipment	2	77	50%	285	0
Trencher	1	80	50%	285	0
Rubber Tired Loaders	1	79	40%	285	0
Cement and Mortar Mixer	1	80	50%	285	0
Aerial Lift	1	75	20%	310	0
Air Compressor	1	78	40%	310	0
Compactors	1	83	20%	335	0
Tractor/Loader/Backhoe	1	79	40%	335	0
Skid Steer Loaders	1	79	40%	335	0
Fork Lift	1	75	20%	335	0

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Receptor: R6

Results:

1-hour Leq: 75.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Utility Work (Phase 0) and Demolition (Phase 1)*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	100	0
Excavator	1	81	40%	100	0
Skid Steer Loaders	1	79	40%	125	0
Rough Terrain Forklifts	1	83	40%	125	0
Air Compressor	1	78	40%	150	0
Water Truck	1	82	10%	150	0
Tractor/Loader/Backhoe	1	79	40%	175	0
Trencher	1	80	50%	175	0
Excavator	1	81	40%	200	0
Skid Steer Loaders	1	79	40%	200	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Trencher	1	80	50%	225	0

12

Receptor: R7

Results:
1-hour Leq: 80.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*

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%	100	0
Cement and Mortar Mixer	1	80	50%	100	0
Concrete Saw	1	90	20%	125	0
Excavator	1	81	40%	125	0
Generator Set	1	81	50%	150	0
Air Compressor	1	78	40%	150	0
Water Truck	1	82	10%	175	0
Compactors	1	83	20%	175	0
Rough Terrain Forklifts	1	83	40%	200	0
Rubber Tired Loaders	1	79	40%	200	0
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	1	74	40%	225	0
Bore/Drill Rig	1	84	20%	225	0
Cement and Mortar Mixer	1	80	50%	225	0
Excavator	3	81	40%	225	0
Water Truck	2	82	10%	225	0
Compactors	1	83	20%	225	0
Rubber Tired Loaders	3	79	40%	225	0
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	2	74	40%	225	0
Bore/Drill Rig	1	84	20%	225	0

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Receptor: R7

Results:

1-hour Leq: 80.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Grading/Excavation (Phase 0 and 1)

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%	100	0
Cement and Mortar Mixer	1	80	50%	100	0
Concrete Saw		90	20%		
Excavator	1	81	40%	125	0
Generator Set	1	81	50%	150	0
Air Compressor		78	40%		
Water Truck	1	82	10%	175	0
Compactors	1	83	20%	175	0
Rough Terrain Forklifts	1	83	40%	200	0
Rubber Tired Loaders	1	79	40%	200	0
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	1	74	40%	225	0
Bore/Drill Rig	1	84	20%	225	0
Cement and Mortar Mixer	1	80	50%	225	0
Excavator	3	81	40%	225	0
Water Truck	2	82	10%	225	0
Compactors	1	83	20%	225	0
Rubber Tired Loaders	3	79	40%	225	0
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	2	74	40%	225	0
Bore/Drill Rig	1	84	20%	225	0

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Receptor: R7

Results:

1-hour Leq: 79.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete (Phase 0) and Grading/Excav (Phase 1)

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	100	0
Cement and Mortar Mixer	1	80	50%	100	0
Crane (Tower)	1	81	16%	125	0
Excavator	1	81	40%	125	0
Generator Set	1	81	50%	150	0
Air Compressor	2	78	40%	150	0
Water Truck	1	82	10%	175	0
Concrete Pump	1	81	20%	175	0
Compactors	1	83	20%	200	0
Rough Terrain Forklifts	1	83	40%	200	0
Rubber Tired Loaders	1	79	40%	225	0
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	1	74	40%	225	0
Cement and Mortar Mixer	1	80	50%	225	0
Excavator	2	81	40%	225	0
Water Truck	2	82	10%	225	0
Concrete Pump	2	81	20%	225	0
Compactors	1	83	20%	225	0
Rubber Tired Loaders	2	79	40%	225	0
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	2	74	40%	225	0
Cement and Mortar Mixer	2	80	50%	225	0

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Receptor: R7

Results:

1-hour Leq: 79.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: Concrete
Phase 0 and Phase 1/2 Mat

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	100	0
Compactors	1	83	20%	100	0
Crane (Tower)	1	81	16%	125	0
Forklifts	1	75	20%	125	0
Air Compressor	1	78	40%	150	0
Concrete Pump	1	81	20%	150	0
Rough Terrain Forklifts	1	83	40%	175	0
Tractor/Loader/Backhoe	1	79	40%	175	0
Welders	1	74	40%	200	0
Crane (Mobile)	1	81	16%	200	0
Compactors	1	83	20%	225	0
Crane (Tower)	1	81	16%	225	0
Forklifts	1	75	20%	225	0
Air Compressor	1	78	40%	225	0
Concrete Pump	1	81	20%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	1	74	40%	225	0
Compactors	1	83	20%	225	0
Concrete Pump	1	81	20%	225	0
Compactors	1	83	20%	225	0

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Receptor: R7

Results:

1-hour Leq: 76.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
*Phase 0 and Phase 1/2***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	100	0
Rough Terrain Forklifts	1	83	40%	100	0
Crane (Tower)	1	81	16%	125	0
Aerial Lift	1	75	20%	125	0
Air Compressor	1	78	40%	150	0
Concrete Pump	1	81	20%	150	0
Tractor/Loader/Backhoe	1	79	40%	175	0
Welders	1	74	40%	175	0
Fork Lift	1	75	20%	200	0
Crane (Mobile)	1	81	16%	200	0
Rough Terrain Forklifts	1	83	40%	225	0
Crane (Tower)	1	81	16%	225	0
Aerial Lift	1	75	20%	225	0
Air Compressor	1	78	40%	225	0
Concrete Pump	1	81	20%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	1	74	40%	225	0
Fork Lift	1	75	20%	225	0
Crane (Tower)	2	81	16%	225	0
Aerial Lift	10	75	20%	225	0
Air Compressor	6	78	40%	225	0
Concrete Pump	1	81	20%	225	0
Welders	1	74	40%	225	0
Fork Lift	5	75	20%	225	0

43

Receptor: *R7*

Results:

1-hour Leq: 78.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Building Construction*
Phase 1/2**

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Crane (Mobile)	1	81	16%	100	0
Cement and Mortar Mixer	1	80	50%	100	0
Crane (Tower)	1	81	16%	125	0
Aerial Lift	1	75	20%	125	0
Air Compressor	1	78	40%	150	0
Concrete Pump	1	81	20%	150	0
Rough Terrain Forklifts	1	83	40%	175	0
Tractor/Loader/Backhoe	1	79	40%	175	0
Skid Steer Loaders	1	79	40%	200	0
Fork Lift	1	75	20%	200	0
Welders	1	74	40%	225	0
Crane (Mobile)	1	81	16%	225	0
Cement and Mortar Mixer	1	80	50%	225	0
Crane (Tower)	1	81	16%	225	0
Aerial Lift	1	75	20%	225	0
Air Compressor	1	78	40%	225	0
Concrete Pump	1	81	20%	225	0
Skid Steer Loaders	1	79	40%	225	0
Fork Lift	4	75	20%	225	0
Welders	1	74	40%	225	0
Cement and Mortar Mixer	2	80	50%	225	0
Crane (Tower)	1	81	16%	225	0
Aerial Lift	8	75	20%	225	0
Air Compressor	4	78	40%	225	0

38

Receptor: R7

Results:

1-hour Leq: 78.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Construction Phase: *Bungalows/Paving/Landscape*

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	100	0
Crane (Mobile)	1	81	16%	100	0
Cement and Mortar Mixer	1	80	50%	125	0
Excavator	1	81	40%	125	0
Aerial Lift	1	75	20%	150	0
Air Compressor	1	78	40%	150	0
Compactors	1	83	20%	175	0
Rough Terrain Forklifts	1	83	40%	175	0
Tractor/Loader/Backhoe	1	79	40%	175	0
Skid Steer Loaders	1	79	40%	175	0
Fork Lift	1	75	20%	175	0
Welders	1	74	40%	175	0
Water Truck	2	82	10%	175	0
Paver	2	77	50%	175	0
Paving Equipment	2	77	50%	175	0
Trencher	1	80	50%	175	0
Rubber Tired Loaders	1	79	40%	175	0
Cement and Mortar Mixer	1	80	50%	175	0
Aerial Lift	1	75	20%	200	0
Air Compressor	1	78	40%	200	0
Compactors	1	83	20%	225	0
Tractor/Loader/Backhoe	1	79	40%	225	0
Skid Steer Loaders	1	79	40%	225	0
Fork Lift	1	75	20%	225	0

27

Receptor: *R7*

Results:

1-hour Leq: 80.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

Off-Site Haul Trucks

Phase	Maximum Number of Truck One Way Trips (delivery/haul)		Worker Trips		Estimated Noise Levels (From TNM Outputs), Leq(hr)									
	Per Day	Per Hour (8-hr day)	Per day	Trips during Pk Hr.	Alvarado (45 ft)	College (30 ft)	Figueroa Terrace (30 ft)	Main (45)	Alpine (30 ft)	Beaudry, Temple (45 ft)	Figueroa St. (45 ft)	Grand Avenue (45 ft)	Sunset (45 ft)	Cesar Chavez (45 ft)
1. Utility Work (Phase 0) and Demolition (Phase 1)	166	28	136	55	65.3	0.0	0.0	65.3	67.2	65.3	65.3	65.3	65.3	65.3
2. Demolition (Phase 0) and Excavation (Phase 1)	570	95	206	83	70.3	0.0	0.0	70.3	72.3	70.3	70.3	70.3	70.3	70.3
3. Grading/Excavation (Phases 0 and 1)	616	103	200	80	70.7	0.0	0.0	70.7	72.6	70.7	70.7	70.7	70.7	70.7
4. Concrete (Phase 0) and Grading/Excavation (Phase 1)	600	100	256	103	70.6	72.6	72.6	70.6	72.6	70.6	70.6	70.6	70.6	70.6
5. Concrete (Phase 0 and Phase 1/2) Matt	1400	117	150	60	71.2	73.1	73.1	71.2	73.1	71.2	71.2	71.2	71.2	71.2
6. Building Construction (Phase 0 and Phase 1/2)	190	24	550	220	66.0	0.0	0.0	66.0	67.9	66.0	66.0	66.0	66.0	66.0
7. Building Construction (Phase 1/2)	190	24	550	220	66.0	0.0	0.0	66.0	67.9	66.0	66.0	66.0	66.0	66.0
8. Bungalows/Paving/Landscape	100	13	168	68	62.6	0.0	0.0	62.6	64.6	62.6	62.6	62.6	62.6	62.6
Grading 6 hrs per day				Ambient	70.3	61.0	61.0	68.8	61.0	68.8	69.3	69.3	70.3	70.3
Concrete Pour 12 hrs day				Threshold, Ambient + 5 dBA	75.3	66.0	66.0	73.8	66.0	73.8	74.3	74.3	75.3	75.3

	Estimated Noise Levels - Project + Ambient, Leq(hr)									
	Alvarado (45 ft)	College (30 ft)	Figueroa Terrace (30 ft)	Main (45)	Alpine (30 ft)	Beaudry, Temple (45 ft)	Figueroa St. (45 ft)	Grand Avenue (45 ft)	Sunset (45 ft)	Cesar Chavez (45 ft)
1. Utility Work (Phase 0) and Demolition (Phase 1)	71.5	0.0	0.0	70.4	68.1	70.4	70.8	70.8	71.5	71.5
2. Demolition (Phase 0) and Excavation (Phase 1)	73.3	0.0	0.0	72.6	72.6	72.6	72.8	72.8	73.3	73.3
3. Grading/Excavation (Phases 0 and 1)	73.5	0.0	0.0	72.9	72.9	72.9	73.1	73.1	73.5	73.5
4. Concrete (Phase 0) and Grading/Excavation (Phase 1)	73.5	72.9	72.9	72.8	72.9	72.8	73.0	73.0	73.5	73.5
5. Concrete (Phase 0 and Phase 1/2) Matt	73.8	73.4	73.4	73.2	73.4	73.2	73.4	73.4	73.8	73.8
6. Building Construction (Phase 0 and Phase 1/2)	71.7	0.0	0.0	70.6	68.7	70.6	71.0	71.0	71.7	71.7
7. Building Construction (Phase 1/2)	71.7	0.0	0.0	70.6	68.7	70.6	71.0	71.0	71.7	71.7
8. Bungalows/Paving/Landscape	71.0	0.0	0.0	69.7	66.2	69.7	70.1	70.1	71.0	71.0
Ambient	70.3	61.0	61.0	68.8	61.0	68.8	69.3	69.3	70.3	70.3
Criteria	75.3	66.0	66.0	73.8	66.0	73.8	74.3	74.3	75.3	75.3
Exceedance	-1.5	7.4	7.4	-0.6	7.4	-0.6	-0.9	-0.9	-1.5	-1.5

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	1111 Sunset Project						Average pavement type shall be used unless				
RUN:	Utility (phase 0) & Demo (phase 1)						a State highway agency substantiates the use				
							of a different type with the approval of FHWA				
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	1111 Sunset Project											
RUN:	Utility (phase 0) & Demo (phase 1)											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	55	35	0	0	28	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:		1111 Sunset Project									
RUN:		Utility (phase 0) & Demo (phase 1)									
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	65.3	66	65.3	10	----	65.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		1	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: ROADWAYS								Average pavement type shall be used unless			
PROJECT/CONTRACT:				1111 Sunset Project				a State highway agency substantiates the use			
RUN:				Demo (phase 0) & Excav (phase 1)				of a different type with the approval of FHWA			
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	1111 Sunset Project											
RUN:	Demo (phase 0) & Excav (phase 1)											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	83	35	0	0	95	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Demo (phase 0) & Excav (phase 1)										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	72.3	66	72.3	10	Snd Lvl	72.3	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	1111 Sunset Project						Average pavement type shall be used unless				
RUN:	Grading & Excav (phases 0 and 1)						a State highway agency substantiates the use				
							of a different type with the approval of FHWA				
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	1111 Sunset Project											
RUN:	Grading & Excav (phases 0 and 1)											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	80	35	0	0	103	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Grading & Excav (phases 0 and 1)										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	72.6	66	72.6	10	Snd Lvl	72.6	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	70.7	66	70.7	10	Snd Lvl	70.7	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental					30 October 2020						
Sean Bui					TNM 2.5						
INPUT: ROADWAYS											
PROJECT/CONTRACT:		1111 Sunset Project				Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA					
RUN:		Concrete (phase 0) and Grading/Excav									
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	%		
<< This table is empty >>											

INPUT: TRAFFIC FOR LAeq1h Volumes

1111 Sunset Project

Eyestone Environmental												
Sean Bui												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	1111 Sunset Project											
RUN:	Concrete (phase 0) and Grading/Excav											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
<< This table is empty >>												

INPUT: RECEIVERS
1111 Sunset Project

Eyestone Environmental						30 October 2020					
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Concrete (phase 0) and Grading/Excav										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
<< This table is empty >>											

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
<< This table is empty >>												

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: ROADWAYS				20 January 2020				Average pavement type shall be used unless			
PROJECT/CONTRACT:				1111 Sunset Project				a State highway agency substantiates the use			
RUN:				Concrete (phases 0 & 1/2), Mat Found				of a different type with the approval of FHWA			
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)		Flow Control		Segment			
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental													
Sean Bui													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	1111 Sunset Project												
RUN:	Concrete (phases 0 & 1/2), Mat Found												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Haul Route	point1	1	60	35	0	0	117	35	0	0	0	0	
	point2	2											

INPUT: RECEIVERS

1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Concrete (phases 0 & 1/2), Mat Found										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
1111 Sunset Project												
RUN:												
Concrete (phases 0 & 1/2), Mat Found												
BARRIER DESIGN:												
INPUT HEIGHTS												
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.												
ATMOSPHERICS:												
68 deg F, 50% RH												
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	With Barrier				
								Type Impact	Calculated LAeq1h	Noise Reduction		
										Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	73.1	66	73.1	10	Snd Lvl	73.1	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	71.2	66	71.2	10	Snd Lvl	71.2	0.0	8	-8.0
Dwelling Units												
		# DUs	Noise Reduction									
			Min dB	Avg dB	Max dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental					20 January 2020						
Sean Bui					TNM 2.5						
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA											
INPUT: ROADWAYS		1111 Sunset Project									
PROJECT/CONTRACT:		1111 Sunset Project									
RUN:		Building (phases 0 and 1/2)									
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)		Flow Control			Segment		
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes

1111 Sunset Project

Eyestone Environmental													
Sean Bui													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	1111 Sunset Project												
RUN:	Building (phases 0 and 1/2)												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Haul Route	point1	1	220	35	0	0	24	35	0	0	0	0	
	point2	2											

INPUT: RECEIVERS

1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Building (phases 0 and 1/2)										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
1111 Sunset Project												
RUN:												
Building (phases 0 and 1/2)												
BARRIER DESIGN:												
INPUT HEIGHTS												
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.												
ATMOSPHERICS:												
68 deg F, 50% RH												
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	With Barrier				
								Type Impact	Calculated LAeq1h	Noise Reduction		
										Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0
Dwelling Units												
		# DUs	Noise Reduction									
			Min dB	Avg dB	Max dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS

1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Building (phases 1/2)										
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control				
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental													
Sean Bui													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	1111 Sunset Project												
RUN:	Building (phases 1/2)												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Haul Route	point1	1	220	35	0	0	24	35	0	0	0	0	
	point2	2											

INPUT: RECEIVERS
1111 Sunset Project

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Building (phases 1/2)										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier	Crit'n	Increase over existing		With Barrier				
			L _{Aeq1h}	L _{Aeq1h}		Calculated	Crit'n	Type	Calculated	Noise Reduction		
				Calculated			Sub'l Inc	Impact	L _{Aeq1h}	Calculated	Goal	Calculated
												minus
												Goal
			dBA	dBA	dBA				dBA			dB
At 30 feet from roadway CL	8	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0
Dwelling Units												
		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental					20 January 2020						
Sean Bui					TNM 2.5						
INPUT: ROADWAYS						Average pavement type shall be used unless					
PROJECT/CONTRACT:						a State highway agency substantiates the use					
RUN:						of a different type with the approval of FHWA					
1111 Sunset Project											
Bungalows/Paving/Landscape											
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)		Flow Control				Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental													
Sean Bui													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	1111 Sunset Project												
RUN:	Bungalows/Paving/Landscape												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Haul Route	point1	1	68	35	0	0	13	35	0	0	0	0	
	point2	2											

INPUT: RECEIVERS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
INPUT: RECEIVERS												
PROJECT/CONTRACT:	1111 Sunset Project											
RUN:	Bungalows/Paving/Landscape											
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y	
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
1111 Sunset Project												
RUN:												
Bungalows/Paving/Landscape												
BARRIER DESIGN:												
INPUT HEIGHTS												
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.												
ATMOSPHERICS:												
68 deg F, 50% RH												
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	With Barrier				
								Type Impact	Calculated LAeq1h	Noise Reduction		
										Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	64.6	66	64.6	10	----	64.6	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0
Dwelling Units												
		# DUs	Noise Reduction									
			Min dB	Avg dB	Max dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

Project: 1111 Sunset Project

Construction Vibration Impacts

Reference Levels at 25 feet are based on FTA, 2006 (Transit Noise and Vibration Impact Assessment)

Calculations using FTA procedure with n= 1.5 (for receptors 25 feet or greater)
n= 1.1 (for receptors less than 25 feet, per Caltrans procedure)

ON-SITE CONSTRUCTION ACTIVITIES

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures (distance in feet), PPV						
		Parking Structure on the south side of Beaudry Avenue, 70	Single-story residential building at the northeast corner of 70	Single- and two-story residential buildings on east side of Alpine 80	Single- and two-story residential buildings on the north side of 200	Single-story commercial and motel buildings on the west side of 100	On-Site Elysian Building 10	
Large Bulldozer	0.089	0.019	0.019	0.016	0.004	0.011	0.244	
Caisson Drilling	0.089	0.019	0.019	0.016	0.004	0.011	0.244	
Loaded Trucks	0.076	0.016	0.016	0.013	0.003	0.010	0.208	
Jackhammer	0.035	0.008	0.008	0.006	0.002	0.004	0.096	
Small bulldozer	0.003	0.001	0.001	0.001	0.0001	0.0004	0.008	
Significance Threshold, PPV		0.2	0.2	0.2	0.2	0.2	0.5	

Table 2: Estimated 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	R7	R8 (Elysian Bldg)
		70	70	485	195	265	210	100	10
Large Bulldozer	87	74	74	48	60	56	59	69	96
Caisson Drilling	87	74	74	48	60	56	59	69	96
Loaded Trucks	86	73	73	47	59	55	58	68	95
Jackhammer	79	66	66	40	52	48	51	61	88
Small bulldozer	58	45	45	19	31	27	30	40	67
Significance Threshold, VdB		72	72	72	72	72	72	72	72

OFF-SITE CONSTRUCTION HAUL TRUCKS

Table 3: Off-Site Haul Trucks - Building Damage

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

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

Table 4: Off-Site Haul Trucks - Human Annoyance

Equipment	Reference Vibration Levels at 50 ft., VdB	Estimated Vibration Levels at noted distance in feet, VdB						
		25						
Typical road surface	63	72						
Significance Threshold, VdB		72						

Ref. Levels based on FTA Figure 7-3

Operation Noise Calculations

Project Composite Noise Calculations (CNEL)

Project: 1111 Sunset Project

Mixed-Use Development Scenario

Composite noise calculations

Receptor	Ambient	Traffic ^a	Mechanical	Parking		Outdoor		Project Composite	Ambient + Project	Increase
R1	62.1	63.2	56.0	52.6		47.2		64.3	66.4	4.3
R2	59.3	59.5	55.0	51.9		43.7		61.4	63.5	4.2
R3	56.4	46.2	48.5	41.1		53.2		55.2	58.9	2.5
R4	64.1	63.0	37.5	34.4		43.1		63.1	66.6	2.5
R5	64.3	51.2	48.1	39.4		54.5		56.9	65.0	0.7
R6	63.9	54.7	51.2	44.8		58.7		60.8	65.6	1.7
R7	71.7	60.2	48.3	47.2		60.7		63.7	72.3	0.6
R8 (Elysian ground level)	64.1	55.2	47.7	58.4		48.1		60.6	65.7	1.6
R8 (Elysian upper level)	64.1	54.2	59.1	52.8		65.9		67.1	68.9	4.8

^a - Project traffic noise levels at each receptor is based on the traffic noise analysis for the roadway segment in front of the receptor.
Project traffic noise level is equal to "Existing+Project" minus "Existing" traffic noise levels, as provided in the table below.

Project Only traffic noise calculations

Receptor	Roadway Segment	Traffic Noise Levels, CNEL			distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
		Existing (A)	Existing + Project (B)	Project Only (B - A)						
R1	Beaudry Ave.	62.4	65.8	63.2	15	63.1	66.5	0	30	-0.7
R2	Alpine Ave.	59.5	62.5	59.5	45	62.9	65.9	0	30	-3.4
R3	Alpine Ave.	46.2	49.2	46.2	425	62.9	65.9	5	30	-11.7
R4	White Knoll	62.1	65.6	63.0	10	62.1	65.6	0	30	0.0
R5	Sunset Blvd.	64.4	64.6	51.2	80	73.5	73.7	5	45	-4.1
R6	Sunset Blvd.	68.0	68.2	54.7	125	73.5	73.7	0	45	-5.5
R7	Sunset Blvd.	73.5	73.7	60.2	10	73.5	73.7	0	45	0.0
R8 (Elysian ground level)	Sunset Blvd.	68.4	68.6	55.2	110	73.5	73.7	0	45	-5.1
R8 (Elysian upper level)	Sunset Blvd.	67.5	67.7	54.2	145	73.5	73.7	0	45	-6.0

Project Composite Noise Calculations (CNEL)

Project: 1111 Sunset Project

No-Hotel Development Scenario

Composite noise calculations

Receptor	Ambient	Traffic ^a	Mechanical	Parking		Outdoor		Project Composite	Ambient + Project	Increase
R1	62.1	62.8	56.0	52.6		47.2		64.0	66.2	4.1
R2	59.3	59.1	55.0	51.9		43.7		61.2	63.3	4.0
R3	56.4	45.8	48.5	41.1		53.2		55.2	58.8	2.4
R4	64.1	62.7	37.5	34.4		43.1		62.7	66.5	2.4
R5	64.3	53.0	48.1	39.4		54.5		57.4	65.1	0.8
R6	63.9	56.5	51.2	44.8		58.7		61.3	65.8	1.9
R7	71.7	62.0	48.3	47.2		60.7		64.6	72.5	0.8
R8 (Elysian ground level)	64.1	57.0	47.7	58.4		48.1		61.2	65.9	1.8
R8 (Elysian upper level)	64.1	56.0	59.1	52.8		65.9		67.2	68.9	4.8

^a - Project traffic noise levels at each receptor is based on the traffic noise analysis for the roadway segment in front of the receptor.
Project traffic noise level is equal to "Existing+Project" minus "Existing" traffic noise levels, as provided in the table below.

Project Only traffic noise calculations

Receptor	Roadway Segment	Traffic Noise Levels, CNEL			distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
		Existing (A)	Existing + Project (B)	Project Only (B - A)						
R1	Beaudry Ave.	62.4	65.6	62.8	15	63.1	66.3	0	30	-0.7
R2	Alpine Ave.	59.5	62.3	59.1	45	62.9	65.7	0	30	-3.4
R3	Alpine Ave.	46.2	49.0	45.8	425	62.9	65.7	5	30	-11.7
R4	White Knoll	62.1	65.4	62.7	10	62.1	65.4	0	30	0.0
R5	Sunset Blvd.	64.4	64.7	53.0	80	73.5	73.8	5	45	-4.1
R6	Sunset Blvd.	68.0	68.3	56.5	125	73.5	73.8	0	45	-5.5
R7	Sunset Blvd.	73.5	73.8	62.0	10	73.5	73.8	0	45	0.0
R8 (Elysian ground level)	Sunset Blvd.	68.4	68.7	57.0	110	73.5	73.8	0	45	-5.1
R8 (Elysian upper level)	Sunset Blvd.	67.5	67.8	56.0	145	73.5	73.8	0	45	-6.0

Outdoor Mechanical Equipment Noise Calculations

Project: 1111 Sunset Project

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations		
			Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
	Leq	CNEL	12	3	9
R1	49.3	56.0	49.3	49.3	49.3
R2	48.3	55.0	48.3	48.3	48.3
R3	41.8	48.5	41.8	41.8	41.8
R4	30.8	37.5	30.8	30.8	30.8
R5	41.4	48.1	41.4	41.4	41.4
R6	44.5	51.2	44.5	44.5	44.5
R7	41.6	48.3	41.6	41.6	41.6
R8 (Elysian ground level)	41.0	47.7	41.0	41.0	41.0
R8 (Elysian upper level)	52.4	59.1	52.4	52.4	52.4

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	Ambient (Leq)	Ambient + Project (Leq)
R1	62.1	63.0	0.9	55.9	56.8
R2	59.3	60.7	1.4	54.2	55.2
R3	56.4	57.0	0.6	51.3	51.8
R4	64.1	64.1	0.0	59.1	59.1
R5	64.3	64.4	0.1	59.5	59.6
R6	63.9	64.1	0.2	58.9	59.1
R7	71.7	71.7	0.0	65.6	65.6
R8 (Elysian ground level)	64.1	64.2	0.1	59.1	59.2
R8 (Elysian upper level)	64.1	65.3	1.2	59.1	59.9

Outdoor Noise Calculations

Project: 1111 Sunset Project
No-Hotel Development Scenario

					Hours of Operations		
Estimated noise levels, Leq (FROM SOUNDPLAN)					Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Sound System	Occupants	Total, Leq	CNEL	12	3	4
R1	42.2	35.8	43.1	47.2	43.1	43.1	39.6
R2	35.1	37.7	39.6	43.7	39.6	39.6	36.1
R3	48.8	37.8	49.1	53.2	49.1	49.1	45.6
R4	38.0	32.2	39.0	43.1	39.0	39.0	35.5
R5	46.4	48.2	50.4	54.5	50.4	50.4	46.9
R6	45.0	54.1	54.6	58.7	54.6	54.6	51.1
R7	40.8	56.5	56.6	60.7	56.6	56.6	53.1
R8 (Elysian ground level)	39.6	42.1	44.0	48.1	44.0	44.0	40.5
R8 (Elysian upper level)	52.1	61.3	61.8	65.9	61.8	61.8	58.3

Receptor	Project (CNEL)	Ambient (CNEL)	Ambient + Project (CNEL)	Increase (CNEL)	Project Noise, (Leq)	Ambient (Leq)	Ambient + Project (Leq)
R1	47.2	62.1	62.2	0.1	43.1	55.9	56.1
R2	43.7	59.3	59.4	0.1	39.6	54.2	54.3
R3	53.2	56.4	58.1	1.7	49.1	51.3	53.3
R4	43.1	64.1	64.1	0.0	39.0	59.1	59.1
R5	54.5	64.3	64.7	0.4	50.4	59.5	60.0
R6	58.7	63.9	65.0	1.1	54.6	58.9	60.3
R7	60.7	71.7	72.0	0.3	56.6	65.6	66.1
R8 (Elysian ground level)	48.1	64.1	64.2	0.1	44.0	59.1	59.2
R8 (Elysian upper level)	65.9	64.1	68.1	4.0	61.8	59.1	63.7

Parking Structure Noise Calculations

Project: 1111 Sunset Project

Elysian Parking Structure

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
	Leq	CNEL			
R1	15.9	22.6	15.9	15.9	15.9
R2	32.8	39.5	32.8	32.8	32.8
R3	29.0	35.7	29.0	29.0	29.0
R4	23.0	29.7	23.0	23.0	23.0
R5	31.9	38.6	31.9	31.9	31.9
R6	33.7	40.4	33.7	33.7	33.7
R7	30.7	37.4	30.7	30.7	30.7
R8 (Elysian ground level)	51.7	58.4	51.7	51.7	51.7
R8 (Elysian upper level)	45.9	52.6	45.9	45.9	45.9

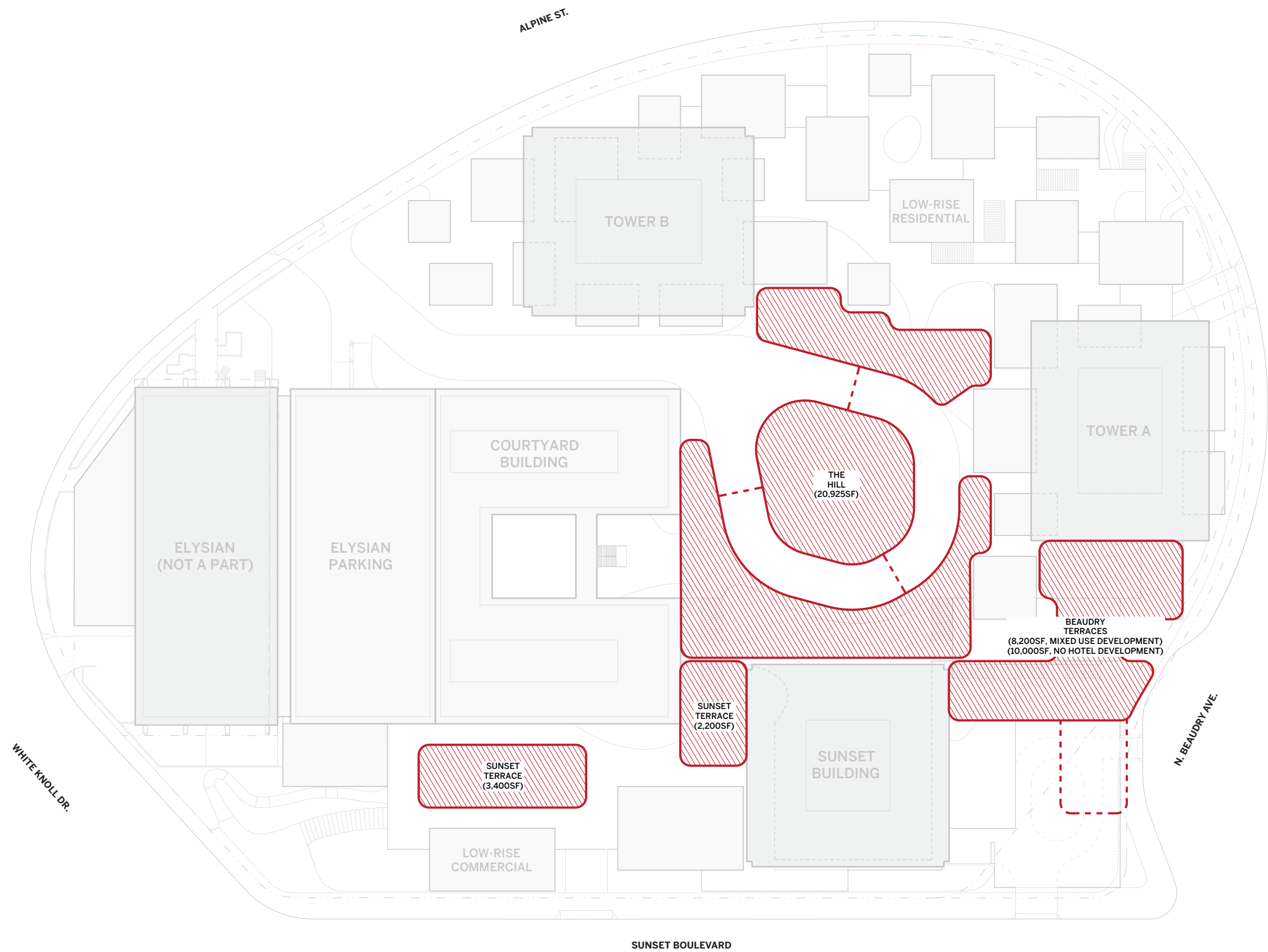
Podium Parking Structure

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
	Leq	CNEL			
R1	45.9	52.6	45.9	45.9	45.9
R2	45.0	51.7	45.0	45.0	45.0
R3	32.9	39.6	32.9	32.9	32.9
R4	26.0	32.7	26.0	26.0	26.0
R5	25.2	31.9	25.2	25.2	25.2
R6	36.2	42.9	36.2	36.2	36.2
R7	40.0	46.7	40.0	40.0	40.0
R8 (Elysian ground level)	32.0	38.7	32.0	32.0	32.0
R8 (Elysian upper level)	34.1	40.8	34.1	34.1	34.1

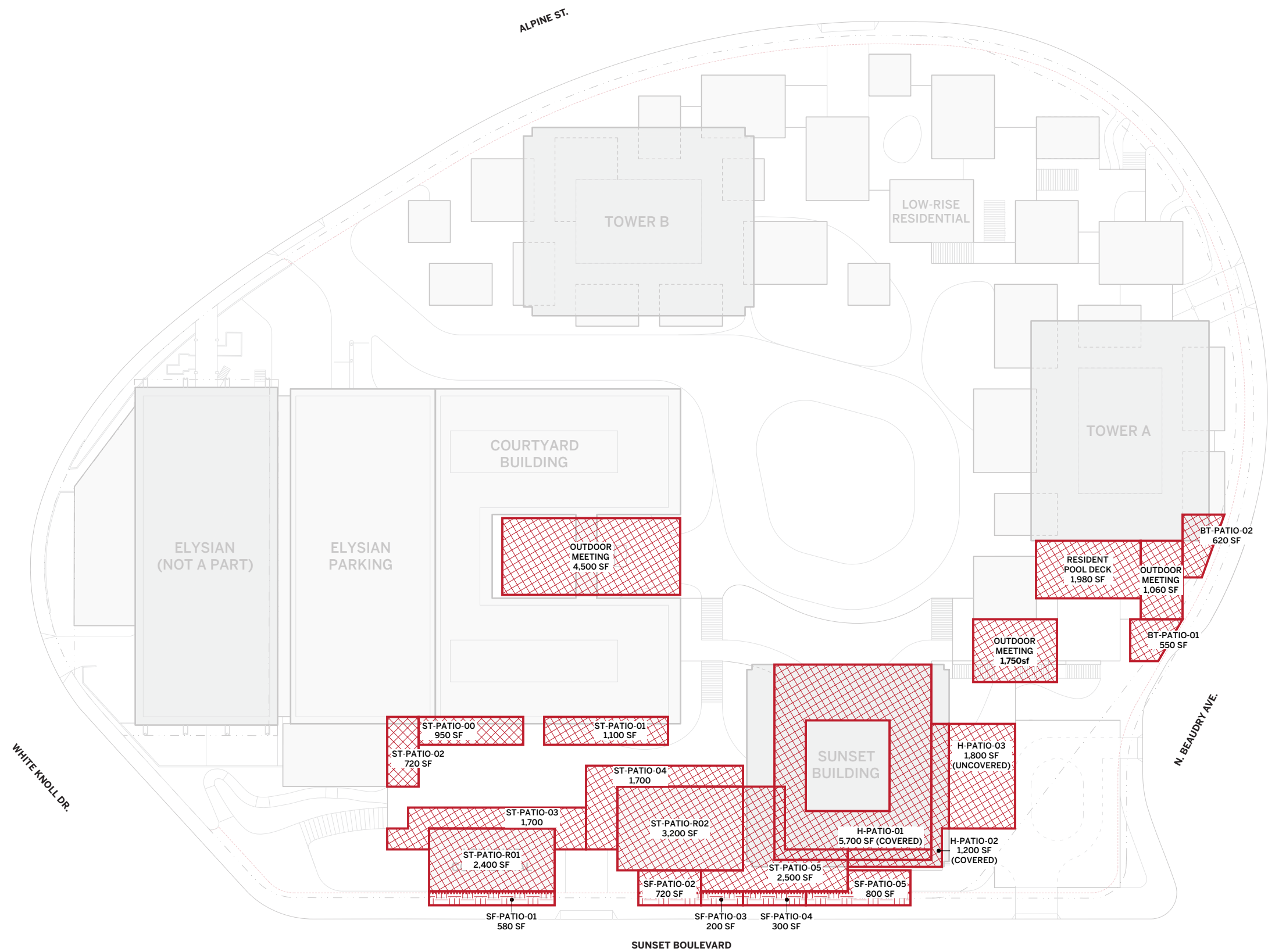
TOTAL COMBINED

Receptor	Project CNEL	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	Project Noise, (Leq)	Ambient (Leq)	Ambient + Project (Leq)
R1	52.6	62.1	62.6	0.5	45.9	55.9	56.3
R2	51.9	59.3	60.0	0.7	45.3	54.2	54.7
R3	41.1	56.4	56.5	0.1	34.4	51.3	51.4
R4	34.4	64.1	64.1	0.0	27.8	59.1	59.1
R5	39.4	64.3	64.3	0.0	32.7	59.5	59.5
R6	44.8	63.9	64.0	0.1	38.1	58.9	58.9
R7	47.2	71.7	71.7	0.0	40.5	65.6	65.6
R8 (Elysian ground level)	58.4	64.1	65.1	1.0	51.7	59.1	59.8
R8 (Elysian upper level)	52.8	64.1	64.4	0.3	46.2	59.1	59.3

POTENTIAL NOISE SOURCES:
OPEN SPACE

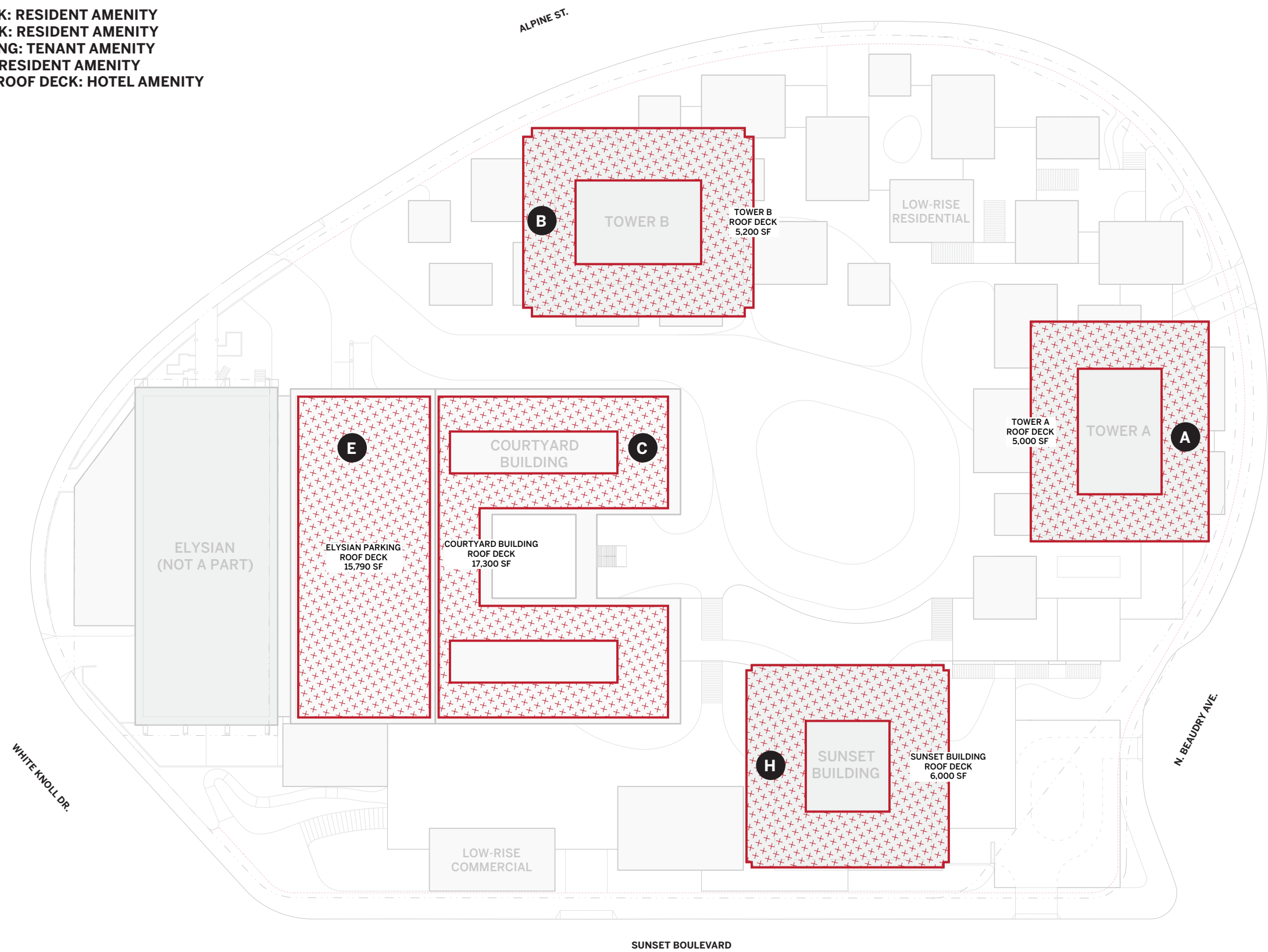


POTENTIAL NOISE SOURCES:
OUTDOOR PATIOS AND TERRACES



POTENTIAL NOISE SOURCES:
ROOF DECK AMENITIES

- A. TOWER A ROOF DECK: RESIDENT AMENITY
- B. TOWER B ROOF DECK: RESIDENT AMENITY
- C. COURTYARD BUILDING: TENANT AMENITY
- E. ELYSIAN BUILDING: RESIDENT AMENITY
- H. SUNSET BUILDING ROOF DECK: HOTEL AMENITY



1111 Sunset

Source Levels in dB(A) - Mechanical (041819)

3

Name	Source type	Lw dB(A)	
Roof Mech M1 - Sunset Tower	Point	100.0	
Roof Mech M1 - Tower A	Point	100.0	
Roof Mech M1 - Tower B	Point	100.0	
Roof Mech M2 - LR-0	Point	90.0	
Roof Mech M2 - LR-1	Point	90.0	
Roof Mech M2 - LR-2	Point	90.0	
Roof Mech M2 - LR-3	Point	90.0	
Roof Mech M2 - LR-4	Point	90.0	
Roof Mech M2 - LR-5	Point	90.0	
Roof Mech M2 - LR-6	Point	90.0	
Roof Mech M2 - LR-7	Point	90.0	
Roof Mech M2 - LR-8	Point	90.0	
Roof Mech M2 - LR-9	Point	90.0	
Roof Mech M2 - LR-10	Point	90.0	
Roof Mech M2 - LR-11	Point	90.0	
Roof Mech M2 - LR-12	Point	90.0	
Roof Mech M2 - LR-13	Point	90.0	
Roof Mech M2 - LR-14	Point	90.0	
Roof Mech M2 - LR-15	Point	90.0	
Roof Mech M2 - LR-16	Point	80.0	
Roof Mech M2 - LR-17	Point	80.0	
Roof Mech M2 - LR-18	Point	80.0	
Roof Mech M2 - LR-19	Point	80.0	
Roof Mech M2 - LR-20	Point	80.0	
Roof Mech M2 - LR-21	Point	90.0	
Roof Mech M2 - LR-23	Point	85.0	
Roof Mech M2 - LR-24	Point	90.0	
Roof Mech M2 - LR-25	Point	90.0	
Roof Mech M3 - C-1	Point	80.0	
Roof Mech M3 - C-2	Point	90.0	
Roof Mech M3 - C-3	Point	90.0	
Roof Mech M4 - Courtyard Building	Point	80.0	
Roof Mech M4 - Courtyard Building	Point	80.0	
Roof Mech M5 - Elysian Garage	Point	75.0	

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1111 Sunset
Assessed contribution level - Mechanical (041819)

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Source	Ld dB(A)	
Receiver R2 Ld 48.3 dB(A)		
Roof Mech M2 - LR-24	42.5	
Roof Mech M2 - LR-21	40.7	
Roof Mech M2 - LR-11	39.2	
Roof Mech M2 - LR-10	38.8	
Roof Mech M2 - LR-23	38.0	
Roof Mech M2 - LR-12	36.0	
Roof Mech M2 - LR-25	35.3	
Roof Mech M2 - LR-20	32.9	
Roof Mech M2 - LR-13	29.8	
Roof Mech M3 - C-2	29.7	
Roof Mech M2 - LR-15	28.5	
Roof Mech M2 - LR-19	27.3	
Roof Mech M2 - LR-18	26.6	
Roof Mech M1 - Tower B	26.5	
Roof Mech M2 - LR-17	25.9	
Roof Mech M2 - LR-4	25.7	
Roof Mech M2 - LR-9	25.4	
Roof Mech M2 - LR-8	24.5	
Roof Mech M2 - LR-3	22.8	
Roof Mech M1 - Sunset Tower	22.6	
Roof Mech M2 - LR-14	22.1	
Roof Mech M2 - LR-5	21.4	
Roof Mech M1 - Tower A	20.4	
Roof Mech M2 - LR-7	18.7	
Roof Mech M4 - Courtyard Building	18.1	
Roof Mech M2 - LR-2	17.3	
Roof Mech M3 - C-3	17.3	
Roof Mech M2 - LR-6	16.6	
Roof Mech M2 - LR-0	15.8	
Roof Mech M2 - LR-16	13.1	
Roof Mech M2 - LR-1	13.0	
Roof Mech M5 - Elysian Garage	12.8	
Roof Mech M4 - Courtyard Building	10.1	
Roof Mech M3 - C-1	9.6	

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Assessed contribution level - Mechanical (041819)

9

Source	Ld dB(A)	
Receiver R4 Ld 30.8 dB(A)		
Roof Mech M1 - Sunset Tower	26.1	
Roof Mech M1 - Tower B	22.6	
Roof Mech M1 - Tower A	19.1	
Roof Mech M2 - LR-21	18.9	
Roof Mech M3 - C-2	18.4	
Roof Mech M3 - C-3	18.1	
Roof Mech M2 - LR-20	14.9	
Roof Mech M2 - LR-4	14.3	
Roof Mech M2 - LR-3	13.3	
Roof Mech M2 - LR-24	13.3	
Roof Mech M2 - LR-25	12.8	
Roof Mech M2 - LR-15	12.6	
Roof Mech M2 - LR-2	12.4	
Roof Mech M2 - LR-14	12.4	
Roof Mech M2 - LR-12	11.9	
Roof Mech M2 - LR-11	11.7	
Roof Mech M3 - C-1	11.4	
Roof Mech M2 - LR-13	10.9	
Roof Mech M2 - LR-1	10.7	
Roof Mech M2 - LR-23	9.9	
Roof Mech M2 - LR-8	9.7	
Roof Mech M2 - LR-10	9.2	
Roof Mech M2 - LR-5	9.0	
Roof Mech M2 - LR-0	8.4	
Roof Mech M2 - LR-9	8.4	
Roof Mech M2 - LR-7	8.2	
Roof Mech M2 - LR-19	8.0	
Roof Mech M2 - LR-6	8.0	
Roof Mech M4 - Courtyard Building	6.9	
Roof Mech M4 - Courtyard Building	6.3	
Roof Mech M2 - LR-18	4.2	
Roof Mech M2 - LR-17	3.3	
Roof Mech M5 - Elysian Garage	3.1	
Roof Mech M2 - LR-16	3.0	

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1111 Sunset
Assessed contribution level - Mechanical (041819)

9

Source	Ld dB(A)	
Receiver R5 Ld 41.4 dB(A)		
Roof Mech M3 - C-3	36.5	
Roof Mech M3 - C-2	36.2	
Roof Mech M1 - Sunset Tower	34.3	
Roof Mech M2 - LR-3	29.0	
Roof Mech M3 - C-1	25.1	
Roof Mech M1 - Tower B	24.6	
Roof Mech M4 - Courtyard Building	24.3	
Roof Mech M2 - LR-15	22.7	
Roof Mech M1 - Tower A	22.2	
Roof Mech M2 - LR-4	20.5	
Roof Mech M2 - LR-8	18.1	
Roof Mech M2 - LR-14	17.8	
Roof Mech M2 - LR-13	17.0	
Roof Mech M4 - Courtyard Building	15.6	
Roof Mech M2 - LR-12	14.9	
Roof Mech M2 - LR-17	13.6	
Roof Mech M2 - LR-2	13.4	
Roof Mech M2 - LR-1	13.2	
Roof Mech M2 - LR-5	12.8	
Roof Mech M2 - LR-11	12.4	
Roof Mech M2 - LR-25	11.7	
Roof Mech M2 - LR-6	11.6	
Roof Mech M2 - LR-9	11.2	
Roof Mech M2 - LR-21	10.9	
Roof Mech M2 - LR-10	10.8	
Roof Mech M2 - LR-0	10.6	
Roof Mech M2 - LR-19	10.4	
Roof Mech M2 - LR-7	9.6	
Roof Mech M2 - LR-16	9.3	
Roof Mech M5 - Elysian Garage	9.0	
Roof Mech M2 - LR-24	8.0	
Roof Mech M2 - LR-23	7.7	
Roof Mech M2 - LR-20	2.7	
Roof Mech M2 - LR-18	1.1	

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1111 Sunset
Assessed contribution level - Mechanical (041819)

9

Source	Ld dB(A)	
Receiver R6 Ld 44.5 dB(A)		
Roof Mech M3 - C-3	39.6	
Roof Mech M3 - C-2	39.4	
Roof Mech M1 - Sunset Tower	34.7	
Roof Mech M2 - LR-0	33.2	
Roof Mech M2 - LR-6	31.6	
Roof Mech M2 - LR-25	28.1	
Roof Mech M2 - LR-15	26.0	
Roof Mech M1 - Tower B	25.8	
Roof Mech M2 - LR-24	25.5	
Roof Mech M4 - Courtyard Building	25.0	
Roof Mech M2 - LR-16	24.7	
Roof Mech M2 - LR-1	24.1	
Roof Mech M3 - C-1	23.8	
Roof Mech M1 - Tower A	22.6	
Roof Mech M2 - LR-21	22.2	
Roof Mech M2 - LR-17	20.8	
Roof Mech M2 - LR-13	19.5	
Roof Mech M2 - LR-19	19.4	
Roof Mech M2 - LR-5	19.2	
Roof Mech M2 - LR-14	19.2	
Roof Mech M2 - LR-2	19.0	
Roof Mech M4 - Courtyard Building	17.9	
Roof Mech M2 - LR-20	17.8	
Roof Mech M2 - LR-3	17.5	
Roof Mech M2 - LR-4	16.7	
Roof Mech M2 - LR-12	15.1	
Roof Mech M5 - Elysian Garage	14.3	
Roof Mech M2 - LR-8	13.9	
Roof Mech M2 - LR-7	13.7	
Roof Mech M2 - LR-10	13.1	
Roof Mech M2 - LR-18	12.1	
Roof Mech M2 - LR-9	12.0	
Roof Mech M2 - LR-11	10.5	
Roof Mech M2 - LR-23	9.7	

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Assessed contribution level - Mechanical (041819)

9

Source	Ld dB(A)	
Receiver R7 Ld 41.6 dB(A)		
Roof Mech M3 - C-3	35.5	
Roof Mech M2 - LR-0	35.1	
Roof Mech M3 - C-2	34.5	
Roof Mech M1 - Sunset Tower	33.8	
Roof Mech M2 - LR-6	27.4	
Roof Mech M2 - LR-1	27.3	
Roof Mech M2 - LR-2	24.4	
Roof Mech M2 - LR-3	22.3	
Roof Mech M2 - LR-5	22.1	
Roof Mech M1 - Tower A	21.7	
Roof Mech M1 - Tower B	21.0	
Roof Mech M4 - Courtyard Building	17.8	
Roof Mech M2 - LR-21	17.0	
Roof Mech M2 - LR-4	17.0	
Roof Mech M2 - LR-15	15.9	
Roof Mech M2 - LR-7	15.4	
Roof Mech M2 - LR-8	15.2	
Roof Mech M2 - LR-14	14.7	
Roof Mech M2 - LR-13	14.3	
Roof Mech M2 - LR-12	13.6	
Roof Mech M2 - LR-9	13.5	
Roof Mech M2 - LR-10	13.3	
Roof Mech M3 - C-1	13.3	
Roof Mech M2 - LR-25	12.4	
Roof Mech M2 - LR-24	10.8	
Roof Mech M2 - LR-11	10.8	
Roof Mech M2 - LR-17	9.2	
Roof Mech M4 - Courtyard Building	8.8	
Roof Mech M5 - Elysian Garage	8.1	
Roof Mech M2 - LR-16	7.9	
Roof Mech M2 - LR-18	6.9	
Roof Mech M2 - LR-19	6.4	
Roof Mech M2 - LR-23	5.9	
Roof Mech M2 - LR-20	4.7	

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1111 Sunset
Assessed contribution level - Mechanical (041819)

9

Source	Ld dB(A)	
Receiver R8 (Elysian Bldg W) Ld 36.5 dB(A)		
Roof Mech M3 - C-1	31.0	
Roof Mech M3 - C-2	29.7	
Roof Mech M1 - Sunset Tower	27.5	
Roof Mech M3 - C-3	26.5	
Roof Mech M1 - Tower B	23.0	
Roof Mech M1 - Tower A	21.2	
Roof Mech M2 - LR-3	20.9	
Roof Mech M2 - LR-21	20.8	
Roof Mech M2 - LR-2	20.3	
Roof Mech M4 - Courtyard Building	18.5	
Roof Mech M2 - LR-1	18.3	
Roof Mech M2 - LR-25	15.9	
Roof Mech M2 - LR-4	15.2	
Roof Mech M2 - LR-0	15.0	
Roof Mech M2 - LR-15	14.9	
Roof Mech M2 - LR-14	14.8	
Roof Mech M2 - LR-6	14.7	
Roof Mech M5 - Elysian Garage	14.6	
Roof Mech M2 - LR-13	14.2	
Roof Mech M4 - Courtyard Building	14.2	
Roof Mech M2 - LR-24	13.6	
Roof Mech M2 - LR-12	13.4	
Roof Mech M2 - LR-9	13.1	
Roof Mech M2 - LR-19	12.2	
Roof Mech M2 - LR-8	11.9	
Roof Mech M2 - LR-11	11.9	
Roof Mech M2 - LR-16	11.8	
Roof Mech M2 - LR-5	11.7	
Roof Mech M2 - LR-18	11.6	
Roof Mech M2 - LR-17	11.4	
Roof Mech M2 - LR-20	11.4	
Roof Mech M2 - LR-10	11.3	
Roof Mech M2 - LR-7	10.9	
Roof Mech M2 - LR-23	9.3	

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1111 Sunset

Source Levels in dB(A) - Outdoor People (111720)

3

Name	Source type	Lw dB(A)	
Beaudry Terraces Open Space	Area	97.0	
People - BT-Patio-01	Area	84.6	
People - BT-Patio-02	Area	85.0	
People - Courtyard Bldg Outdoor Meeting	Area	93.6	
People - Courtyard Building Roof Deck	Area	95.2	
People - Elysian Parking Roof Deck	Area	90.6	
People - H-Patio-01	Area	94.6	
People - H-Patio-02 and 03	Area	91.8	
People - SF-Patio-01	Area	84.8	
People - SF-Patio-02	Area	85.6	
People - SF-Patio-03, 04 and 05	Area	88.2	
People - ST-Patio-00	Area	86.9	
People - ST-Patio-01	Area	87.5	
People - ST-Patio-02	Area	85.6	
People - ST-Patio-03	Area	89.4	
People - ST-Patio-04	Area	89.4	
People - ST-Patio-05	Area	91.0	
People - ST-Patio-R01	Area	90.8	
People - ST-Patio-R02	Area	92.1	
People - Sunset Bldg Outdoor Meeting	Area	89.5	
People - Tower A Outdoor Meeting	Area	87.4	
People - Tower A Resident Pool Deck	Area	90.0	
People - Tower A Roof Deck	Area	94.0	
People - Tower B Roof Deck	Area	94.2	
People -Sunset Building Deck	Area	94.8	
Sunset Terrace OS 1	Area	92.4	
Sunset Terrace OS 2	Area	90.5	
The Hill Open Space	Area	100.2	

1111 Sunset
Assessed contribution level - Outdoor People (111720)

9

Source	Ld dB(A)	
Receiver R1 Ld 35.8 dB(A)		
People - BT-Patio-02	15.3	
People - BT-Patio-01	10.5	
People - ST-Patio-04	15.1	
People - ST-Patio-03	15.4	
People - H-Patio-01	17.7	
People - ST-Patio-05	13.6	
People - SF-Patio-03, 04 and 05	10.1	
People - H-Patio-02 and 03	15.9	
People - Courtyard Bldg Outdoor Meeting	22.3	
People - Sunset Bldg Outdoor Meeting	14.8	
People - Tower A Resident Pool Deck	19.3	
People - Tower A Outdoor Meeting	21.3	
People - ST-Patio-02	12.4	
People - ST-Patio-00	12.6	
People - ST-Patio-01	14.0	
People - ST-Patio-R01	14.0	
People - SF-Patio-01	6.9	
People - ST-Patio-R02	16.7	
People - SF-Patio-02	9.7	
People - Courtyard Building Roof Deck	24.5	
People -Sunset Building Deck	28.3	
People - Tower A Roof Deck	22.8	
People - Tower B Roof Deck	23.5	
People - Elysian Parking Roof Deck	14.7	
Sunset Terrace OS 1	18.7	
Sunset Terrace OS 2	18.1	
Beaudry Terraces Open Space	21.9	
The Hill Open Space	31.0	
Receiver R2 Ld 37.7 dB(A)		
People - BT-Patio-02	7.4	
People - BT-Patio-01	6.4	
People - ST-Patio-04	18.3	
People - ST-Patio-03	18.9	
People - H-Patio-01	17.2	
People - ST-Patio-05	14.5	
People - SF-Patio-03, 04 and 05	11.2	
People - H-Patio-02 and 03	13.5	
People - Courtyard Bldg Outdoor Meeting	24.3	
People - Sunset Bldg Outdoor Meeting	12.4	

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1111 Sunset
Assessed contribution level - Outdoor People (111720)

9

Source	Ld dB(A)	
People - Tower A Resident Pool Deck	12.8	
People - Tower A Outdoor Meeting	9.6	
People - ST-Patio-02	12.6	
People - ST-Patio-00	16.2	
People - ST-Patio-01	14.4	
People - ST-Patio-R01	24.9	
People - SF-Patio-01	9.5	
People - ST-Patio-R02	19.5	
People - SF-Patio-02	10.7	
People - Courtyard Building Roof Deck	34.0	
People -Sunset Building Deck	19.4	
People - Tower A Roof Deck	18.5	
People - Tower B Roof Deck	25.5	
People - Elysian Parking Roof Deck	28.2	
Sunset Terrace OS 1	22.7	
Sunset Terrace OS 2	19.2	
Beaudry Terraces Open Space	18.9	
The Hill Open Space	28.7	
Receiver R3 Ld 37.8 dB(A)		
People - BT-Patio-02	1.7	
People - BT-Patio-01	0.5	
People - ST-Patio-04	11.2	
People - ST-Patio-03	10.2	
People - H-Patio-01	10.8	
People - ST-Patio-05	8.3	
People - SF-Patio-03, 04 and 05	4.9	
People - H-Patio-02 and 03	8.3	
People - Courtyard Bldg Outdoor Meeting	17.0	
People - Sunset Bldg Outdoor Meeting	8.0	
People - Tower A Resident Pool Deck	13.4	
People - Tower A Outdoor Meeting	4.1	
People - ST-Patio-02	4.6	
People - ST-Patio-00	5.6	
People - ST-Patio-01	8.6	
People - ST-Patio-R01	14.9	
People - SF-Patio-01	2.5	
People - ST-Patio-R02	16.6	
People - SF-Patio-02	4.9	
People - Courtyard Building Roof Deck	34.2	
People -Sunset Building Deck	30.5	
People - Tower A Roof Deck	22.5	

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1111 Sunset
Assessed contribution level - Outdoor People (111720)

9

Source	Ld dB(A)	
People - Tower B Roof Deck	24.2	
People - Elysian Parking Roof Deck	27.5	
Sunset Terrace OS 1	12.6	
Sunset Terrace OS 2	10.3	
Beaudry Terraces Open Space	14.8	
The Hill Open Space	29.8	
Receiver R4 Ld 32.2 dB(A)		
People - BT-Patio-02	4.1	
People - BT-Patio-01	4.0	
People - ST-Patio-04	17.5	
People - ST-Patio-03	21.0	
People - H-Patio-01	16.1	
People - ST-Patio-05	14.3	
People - SF-Patio-03, 04 and 05	11.2	
People - H-Patio-02 and 03	12.9	
People - Courtyard Bldg Outdoor Meeting	18.3	
People - Sunset Bldg Outdoor Meeting	10.0	
People - Tower A Resident Pool Deck	9.9	
People - Tower A Outdoor Meeting	6.9	
People - ST-Patio-02	14.5	
People - ST-Patio-00	14.7	
People - ST-Patio-01	14.4	
People - ST-Patio-R01	24.6	
People - SF-Patio-01	11.3	
People - ST-Patio-R02	18.5	
People - SF-Patio-02	11.3	
People - Courtyard Building Roof Deck	21.2	
People - Sunset Building Deck	18.4	
People - Tower A Roof Deck	12.8	
People - Tower B Roof Deck	17.6	
People - Elysian Parking Roof Deck	19.4	
Sunset Terrace OS 1	20.7	
Sunset Terrace OS 2	16.8	
Beaudry Terraces Open Space	17.3	
The Hill Open Space	23.6	
Receiver R5 Ld 48.2 dB(A)		
People - BT-Patio-02	5.3	
People - BT-Patio-01	3.8	
People - ST-Patio-04	35.6	
People - ST-Patio-03	37.9	

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1111 Sunset
Assessed contribution level - Outdoor People (111720)

9

Source	Ld dB(A)	
People - H-Patio-01	25.1	
People - ST-Patio-05	36.3	
People - SF-Patio-03, 04 and 05	31.2	
People - H-Patio-02 and 03	28.5	
People - Courtyard Bldg Outdoor Meeting	20.0	
People - Sunset Bldg Outdoor Meeting	12.2	
People - Tower A Resident Pool Deck	12.1	
People - Tower A Outdoor Meeting	9.7	
People - ST-Patio-02	28.8	
People - ST-Patio-00	36.1	
People - ST-Patio-01	32.3	
People - ST-Patio-R01	37.0	
People - SF-Patio-01	34.4	
People - ST-Patio-R02	40.7	
People - SF-Patio-02	33.2	
People - Courtyard Building Roof Deck	37.8	
People -Sunset Building Deck	30.8	
People - Tower A Roof Deck	24.4	
People - Tower B Roof Deck	23.0	
People - Elysian Parking Roof Deck	30.7	
Sunset Terrace OS 1	40.2	
Sunset Terrace OS 2	30.7	
Beaudry Terraces Open Space	29.7	
The Hill Open Space	27.3	
Receiver R6 Ld 54.1 dB(A)		
People - BT-Patio-02	14.3	
People - BT-Patio-01	16.2	
People - ST-Patio-04	37.1	
People - ST-Patio-03	39.8	
People - H-Patio-01	43.1	
People - ST-Patio-05	44.9	
People - SF-Patio-03, 04 and 05	41.9	
People - H-Patio-02 and 03	43.0	
People - Courtyard Bldg Outdoor Meeting	27.1	
People - Sunset Bldg Outdoor Meeting	31.8	
People - Tower A Resident Pool Deck	34.4	
People - Tower A Outdoor Meeting	28.1	
People - ST-Patio-02	22.2	
People - ST-Patio-00	35.9	
People - ST-Patio-01	36.2	
People - ST-Patio-R01	41.4	

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1111 Sunset
Assessed contribution level - Outdoor People (111720)

9

Source	Ld dB(A)	
People - SF-Patio-01	38.0	
People - ST-Patio-R02	45.3	
People - SF-Patio-02	39.6	
People - Courtyard Building Roof Deck	40.7	
People -Sunset Building Deck	31.2	
People - Tower A Roof Deck	24.2	
People - Tower B Roof Deck	23.0	
People - Elysian Parking Roof Deck	32.7	
Sunset Terrace OS 1	42.7	
Sunset Terrace OS 2	30.6	
Beaudry Terraces Open Space	45.8	
The Hill Open Space	35.3	
Receiver R7 Ld 56.5 dB(A)		
People - BT-Patio-02	15.0	
People - BT-Patio-01	18.6	
People - ST-Patio-04	37.5	
People - ST-Patio-03	38.1	
People - H-Patio-01	47.7	
People - ST-Patio-05	48.7	
People - SF-Patio-03, 04 and 05	48.9	
People - H-Patio-02 and 03	46.8	
People - Courtyard Bldg Outdoor Meeting	25.6	
People - Sunset Bldg Outdoor Meeting	38.4	
People - Tower A Resident Pool Deck	38.9	
People - Tower A Outdoor Meeting	29.3	
People - ST-Patio-02	26.1	
People - ST-Patio-00	32.4	
People - ST-Patio-01	22.5	
People - ST-Patio-R01	38.6	
People - SF-Patio-01	38.5	
People - ST-Patio-R02	44.9	
People - SF-Patio-02	42.2	
People - Courtyard Building Roof Deck	34.7	
People -Sunset Building Deck	29.4	
People - Tower A Roof Deck	21.8	
People - Tower B Roof Deck	14.8	
People - Elysian Parking Roof Deck	25.3	
Sunset Terrace OS 1	36.9	
Sunset Terrace OS 2	35.3	
Beaudry Terraces Open Space	49.3	
The Hill Open Space	30.2	

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1111 Sunset
Assessed contribution level - Outdoor People (111720)

9

Source	Ld dB(A)	
Receiver R8 (Elysian Bldg C) upper level Ld 61.3 dB(A)		
People - BT-Patio-02	10.2	
People - BT-Patio-01	11.1	
People - ST-Patio-04	27.3	
People - ST-Patio-03	29.1	
People - H-Patio-01	22.9	
People - ST-Patio-05	19.4	
People - SF-Patio-03, 04 and 05	15.3	
People - H-Patio-02 and 03	18.0	
People - Courtyard Bldg Outdoor Meeting	34.2	
People - Sunset Bldg Outdoor Meeting	21.2	
People - Tower A Resident Pool Deck	31.1	
People - Tower A Outdoor Meeting	15.6	
People - ST-Patio-02	24.3	
People - ST-Patio-00	26.3	
People - ST-Patio-01	27.2	
People - ST-Patio-R01	39.0	
People - SF-Patio-01	16.7	
People - ST-Patio-R02	37.7	
People - SF-Patio-02	16.9	
People - Courtyard Building Roof Deck	54.2	
People - Sunset Building Deck	37.3	
People - Tower A Roof Deck	27.3	
People - Tower B Roof Deck	28.2	
People - Elysian Parking Roof Deck	60.1	
Sunset Terrace OS 1	32.4	
Sunset Terrace OS 2	26.0	
Beaudry Terraces Open Space	27.9	
The Hill Open Space	44.8	
Receiver R8 (Elysian Bldg E) Ld 41.9 dB(A)		
People - BT-Patio-02	11.2	
People - BT-Patio-01	7.5	
People - ST-Patio-04	19.0	
People - ST-Patio-03	31.6	
People - H-Patio-01	18.8	
People - ST-Patio-05	15.5	
People - SF-Patio-03, 04 and 05	11.8	
People - H-Patio-02 and 03	14.9	
People - Courtyard Bldg Outdoor Meeting	25.8	
People - Sunset Bldg Outdoor Meeting	14.6	

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1111 Sunset
Assessed contribution level - Outdoor People (111720)

9

Source	Ld dB(A)	
People - Tower A Resident Pool Deck	16.3	
People - Tower A Outdoor Meeting	12.5	
People - ST-Patio-02	33.3	
People - ST-Patio-00	29.0	
People - ST-Patio-01	16.9	
People - ST-Patio-R01	22.6	
People - SF-Patio-01	11.9	
People - ST-Patio-R02	22.3	
People - SF-Patio-02	12.4	
People - Courtyard Building Roof Deck	33.9	
People -Sunset Building Deck	19.8	
People - Tower A Roof Deck	19.7	
People - Tower B Roof Deck	24.5	
People - Elysian Parking Roof Deck	31.8	
Sunset Terrace OS 1	34.2	
Sunset Terrace OS 2	18.8	
Beaudry Terraces Open Space	19.9	
The Hill Open Space	34.4	
Receiver R8 (Elysian Bldg W) Ld 42.1 dB(A)		
People - BT-Patio-02	12.2	
People - BT-Patio-01	10.3	
People - ST-Patio-04	28.0	
People - ST-Patio-03	29.1	
People - H-Patio-01	23.2	
People - ST-Patio-05	20.7	
People - SF-Patio-03, 04 and 05	15.3	
People - H-Patio-02 and 03	17.2	
People - Courtyard Bldg Outdoor Meeting	26.0	
People - Sunset Bldg Outdoor Meeting	17.8	
People - Tower A Resident Pool Deck	17.3	
People - Tower A Outdoor Meeting	14.1	
People - ST-Patio-02	30.6	
People - ST-Patio-00	33.8	
People - ST-Patio-01	31.2	
People - ST-Patio-R01	30.0	
People - SF-Patio-01	19.3	
People - ST-Patio-R02	28.0	
People - SF-Patio-02	16.5	
People - Courtyard Building Roof Deck	31.1	
People -Sunset Building Deck	21.9	
People - Tower A Roof Deck	14.4	

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1111 Sunset
Source Levels in dB(A) - Outdoor Speakers (041819)

3

Name	Source type	Lw dB(A)	
Sunset Building Roof Deck Speaker 1	Point	113.6	
Sunset Building Roof Deck Speaker 2	Point	113.6	
Sunset Building Roof Deck Speaker 3	Point	113.6	
Sunset Building Roof Deck Speaker 4	Point	113.6	
Sunset Building Roof Deck Speaker 5	Point	113.6	
Sunset Building Roof Deck Speaker 6	Point	113.6	
Sunset Building Roof Deck Speaker 7	Point	113.6	
Sunset Building Roof Deck Speaker 8	Point	113.6	

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1111 Sunset
Assessed contribution level - Outdoor Speakers (041819)

9

Source	Ld dB(A)	
Receiver R1 Ld 42.2 dB(A)		
Sunset Building Roof Deck Speaker 1	25.8	
Sunset Building Roof Deck Speaker 2	16.2	
Sunset Building Roof Deck Speaker 3	22.6	
Sunset Building Roof Deck Speaker 4	40.6	
Sunset Building Roof Deck Speaker 5	22.0	
Sunset Building Roof Deck Speaker 6	34.7	
Sunset Building Roof Deck Speaker 7	30.8	
Sunset Building Roof Deck Speaker 8	16.6	
Receiver R2 Ld 35.1 dB(A)		
Sunset Building Roof Deck Speaker 1	23.4	
Sunset Building Roof Deck Speaker 2	14.6	
Sunset Building Roof Deck Speaker 3	16.5	
Sunset Building Roof Deck Speaker 4	29.8	
Sunset Building Roof Deck Speaker 5	27.7	
Sunset Building Roof Deck Speaker 6	30.9	
Sunset Building Roof Deck Speaker 7	21.9	
Sunset Building Roof Deck Speaker 8	14.9	
Receiver R3 Ld 48.8 dB(A)		
Sunset Building Roof Deck Speaker 1	41.5	
Sunset Building Roof Deck Speaker 2	28.4	
Sunset Building Roof Deck Speaker 3	27.8	
Sunset Building Roof Deck Speaker 4	39.9	
Sunset Building Roof Deck Speaker 5	34.0	
Sunset Building Roof Deck Speaker 6	46.7	
Sunset Building Roof Deck Speaker 7	31.9	
Sunset Building Roof Deck Speaker 8	26.2	
Receiver R4 Ld 38.0 dB(A)		
Sunset Building Roof Deck Speaker 1	36.1	
Sunset Building Roof Deck Speaker 2	17.5	
Sunset Building Roof Deck Speaker 3	13.5	
Sunset Building Roof Deck Speaker 4	19.1	
Sunset Building Roof Deck Speaker 5	28.7	
Sunset Building Roof Deck Speaker 6	31.1	
Sunset Building Roof Deck Speaker 7	14.6	
Sunset Building Roof Deck Speaker 8	14.6	

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1111 Sunset
Assessed contribution level - Outdoor Speakers (041819)

9

Source	Ld dB(A)	
Receiver R5 Ld 46.4 dB(A)		
Sunset Building Roof Deck Speaker 1	41.5	
Sunset Building Roof Deck Speaker 2	33.3	
Sunset Building Roof Deck Speaker 3	24.4	
Sunset Building Roof Deck Speaker 4	28.8	
Sunset Building Roof Deck Speaker 5	43.1	
Sunset Building Roof Deck Speaker 6	36.3	
Sunset Building Roof Deck Speaker 7	31.4	
Sunset Building Roof Deck Speaker 8	26.8	
Receiver R6 Ld 45.0 dB(A)		
Sunset Building Roof Deck Speaker 1	30.8	
Sunset Building Roof Deck Speaker 2	42.2	
Sunset Building Roof Deck Speaker 3	28.3	
Sunset Building Roof Deck Speaker 4	23.7	
Sunset Building Roof Deck Speaker 5	38.9	
Sunset Building Roof Deck Speaker 6	25.5	
Sunset Building Roof Deck Speaker 7	24.0	
Sunset Building Roof Deck Speaker 8	36.4	
Receiver R7 Ld 40.8 dB(A)		
Sunset Building Roof Deck Speaker 1	27.9	
Sunset Building Roof Deck Speaker 2	37.5	
Sunset Building Roof Deck Speaker 3	28.9	
Sunset Building Roof Deck Speaker 4	24.8	
Sunset Building Roof Deck Speaker 5	32.6	
Sunset Building Roof Deck Speaker 6	24.2	
Sunset Building Roof Deck Speaker 7	25.3	
Sunset Building Roof Deck Speaker 8	33.7	
Receiver R8 (Elysian Bldg C) upper level Ld 52.1 dB(A)		
Sunset Building Roof Deck Speaker 1	48.9	
Sunset Building Roof Deck Speaker 2	34.0	
Sunset Building Roof Deck Speaker 3	30.8	
Sunset Building Roof Deck Speaker 4	38.0	
Sunset Building Roof Deck Speaker 5	42.6	
Sunset Building Roof Deck Speaker 6	47.4	
Sunset Building Roof Deck Speaker 7	31.8	
Sunset Building Roof Deck Speaker 8	30.5	

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1111 Sunset
Assessed contribution level - Outdoor Speakers (041819)

9

Source	Ld dB(A)	
Receiver R8 (Elysian Bldg E) Ld 37.3 dB(A)		
Sunset Building Roof Deck Speaker 1	33.8	
Sunset Building Roof Deck Speaker 2	16.6	
Sunset Building Roof Deck Speaker 3	15.4	
Sunset Building Roof Deck Speaker 4	25.5	
Sunset Building Roof Deck Speaker 5	26.1	
Sunset Building Roof Deck Speaker 6	33.0	
Sunset Building Roof Deck Speaker 7	18.9	
Sunset Building Roof Deck Speaker 8	15.1	
Receiver R8 (Elysian Bldg W) Ld 39.6 dB(A)		
Sunset Building Roof Deck Speaker 1	35.3	
Sunset Building Roof Deck Speaker 2	21.6	
Sunset Building Roof Deck Speaker 3	17.2	
Sunset Building Roof Deck Speaker 4	29.7	
Sunset Building Roof Deck Speaker 5	27.9	
Sunset Building Roof Deck Speaker 6	35.7	
Sunset Building Roof Deck Speaker 7	23.0	
Sunset Building Roof Deck Speaker 8	17.9	

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1111 Sunset
Octave spectra of the sources in dB(A) - Parking (041819)

3

Name	Source type	I or A m,m ²	Lw dB(A)	
Elysian Parking Level 1	PLot	1280.49	85.8	
Elysian Parking Level 2	PLot	1280.49	85.8	
Elysian Parking Level 3	PLot	1280.49	85.8	
Elysian Parking Level 4	PLot	1280.49	85.8	
Elysian Parking Level 5	PLot	1280.49	85.8	

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1111 Sunset
Assessed contribution level - Parking (041819)

9

Source	Ld dB(A)	
Receiver R1 Ld 15.9 dB(A)		
Elysian Parking Level 1	8.3	
Elysian Parking Level 2	8.3	
Elysian Parking Level 3	9.0	
Elysian Parking Level 4	9.1	
Elysian Parking Level 5	9.6	
Receiver R2 Ld 32.8 dB(A)		
Elysian Parking Level 1	17.3	
Elysian Parking Level 2	22.7	
Elysian Parking Level 3	26.0	
Elysian Parking Level 4	27.9	
Elysian Parking Level 5	28.2	
Receiver R3 Ld 29.0 dB(A)		
Elysian Parking Level 1	16.6	
Elysian Parking Level 2	21.6	
Elysian Parking Level 3	22.7	
Elysian Parking Level 4	23.0	
Elysian Parking Level 5	23.4	
Receiver R4 Ld 23.0 dB(A)		
Elysian Parking Level 1	15.4	
Elysian Parking Level 2	15.9	
Elysian Parking Level 3	16.1	
Elysian Parking Level 4	16.2	
Elysian Parking Level 5	16.4	
Receiver R5 Ld 31.9 dB(A)		
Elysian Parking Level 1	19.1	
Elysian Parking Level 2	22.5	
Elysian Parking Level 3	24.8	
Elysian Parking Level 4	27.3	
Elysian Parking Level 5	26.7	
Receiver R6 Ld 33.7 dB(A)		
Elysian Parking Level 1	20.6	
Elysian Parking Level 2	22.1	
Elysian Parking Level 3	25.4	
Elysian Parking Level 4	29.2	
Elysian Parking Level 5	29.5	
Receiver R7 Ld 30.7 dB(A)		
Elysian Parking Level 1	21.0	
Elysian Parking Level 2	23.6	

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1111 Sunset
Assessed contribution level - Parking (041819)

9

Source	Ld dB(A)	
Elysian Parking Level 3	24.5	
Elysian Parking Level 4	24.6	
Elysian Parking Level 5	24.2	
Receiver R8 (Elysian Bldg C) upper level Ld 45.9 dB(A)		
Elysian Parking Level 1	32.8	
Elysian Parking Level 2	33.2	
Elysian Parking Level 3	34.7	
Elysian Parking Level 4	38.2	
Elysian Parking Level 5	44.0	
Receiver R8 (Elysian Bldg E) Ld 51.5 dB(A)		
Elysian Parking Level 1	47.1	
Elysian Parking Level 2	45.2	
Elysian Parking Level 3	43.5	
Elysian Parking Level 4	42.6	
Elysian Parking Level 5	41.9	
Receiver R8 (Elysian Bldg W) Ld 51.7 dB(A)		
Elysian Parking Level 1	48.2	
Elysian Parking Level 2	44.9	
Elysian Parking Level 3	42.9	
Elysian Parking Level 4	42.1	
Elysian Parking Level 5	41.4	

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1111 Sunset-Parking
Octave spectra of the sources in dB(A) - Parking (Podium Structure)
(041819)

3

Name	Source type	I or A m,m²	Lw dB(A)	
Parking Level -3	PLot	7825.86	98.2	
Parking Level +7	PLot	5721.41	95.8	
Parking Level +17	PLot	5869.05	96.0	
Parking Level +29	PLot	4738.67	95.0	
Parking Level +39	PLot	4634.65	94.9	

1111 Sunset-Parking

Assessed contribution level - Parking (Podium Structure)

9

Source	Ld dB(A)	
Receiver R1 Ld 45.9 dB(A)		
Parking Level -3	13.1	
Parking Level +7	18.7	
Parking Level +17	42.9	
Parking Level +29	40.2	
Parking Level +39	39.3	
Receiver R2 Ld 45.0 dB(A)		
Parking Level -3	13.3	
Parking Level +7	16.8	
Parking Level +17	37.7	
Parking Level +29	38.6	
Parking Level +39	42.7	
Receiver R3 Ld 32.9 dB(A)		
Parking Level -3	8.2	
Parking Level +7	14.4	
Parking Level +17	24.4	
Parking Level +29	25.0	
Parking Level +39	31.3	
Receiver R4 Ld 26.0 dB(A)		
Parking Level -3	15.8	
Parking Level +7	20.4	
Parking Level +17	20.3	
Parking Level +29	17.8	
Parking Level +39	19.0	
Receiver R5 Ld 25.2 dB(A)		
Parking Level -3	20.2	
Parking Level +7	16.9	
Parking Level +17	17.4	
Parking Level +29	17.4	
Parking Level +39	18.2	
Receiver R6 Ld 36.2 dB(A)		
Parking Level -3	25.5	
Parking Level +7	30.1	
Parking Level +17	21.0	
Parking Level +29	31.7	
Parking Level +39	30.7	

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1111 Sunset-Parking
Assessed contribution level - Parking (Podium Structure)

9

Source	Ld dB(A)	
Receiver R7 Ld 40.0 dB(A)		
Parking Level -3	35.0	
Parking Level +7	34.8	
Parking Level +17	23.4	
Parking Level +29	32.4	
Parking Level +39	32.6	
Receiver R8 (Elysian C top) Ld 34.1 dB(A)		
Parking Level -3	26.2	
Parking Level +7	27.2	
Parking Level +17	28.2	
Parking Level +29	25.0	
Parking Level +39	28.3	
Receiver R8 (Elysian E) Ld 32.0 dB(A)		
Parking Level -3	21.3	
Parking Level +7	28.1	
Parking Level +17	25.3	
Parking Level +29	23.5	
Parking Level +39	23.8	
Receiver R8 (Elysian W) Ld 30.8 dB(A)		
Parking Level -3	21.8	
Parking Level +7	24.8	
Parking Level +17	25.2	
Parking Level +29	22.7	
Parking Level +39	23.4	

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Off-Site Traffic Noise Calculations

Project: 1111 Sunset Project

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

PHV to
ADT factor
10%

EXISTING CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vin Scully Avenue										
- Between Stadium Way and Sunset Blvd.	80	10	50	35	1,641	16,410	10%	0	0	70.0
Marion Avenue										
- Between Sunset Blvd. and Kensington Rd	60	10	40	25	550	5,500	10%	0	0	66.4
Hills Street										
- Between College St. and Temple St.	60	10	40	35	2,508	25,080	10%	0	0	72.8
Beaudry Avenue										
- Between Alpine St. 1 and Alpine St. 2	40	10	30	25	191	1,910	10%	0	0	63.1
- Between Alpine St. 2 and Bartlett Ave.	40	10	30	25	300	3,000	10%	0	0	65.0
- Between Bartlett Ave. and Sunset Blvd.	40	10	30	25	875	8,750	10%	0	0	69.7
- Between Sunset Blvd. and Temple St.	40	10	30	35	1,775	17,750	10%	0	0	72.7
- Between Temple Ave. and 1st St.	70	10	45	35	1,898	18,980	10%	0	0	71.1
Figueroa Street										
- Between Alpine St. and Sunset Blvd.	70	10	45	35	1,179	11,790	10%	0	0	69.1
- Between Sunset Blvd. and 2nd St.	70	10	45	35	2,102	21,020	10%	0	0	71.6
Everett Street										
- North of Sunset Blvd.	40	10	30	25	127	1,270	10%	0	0	61.3
White Knoll Dr.										
Between Marview Ave. and White Knoll Dr.	40	10	30	25	159	1,590	10%	0	0	62.3
Between Sunset Blvd. and Marview Ave.	40	10	30	25	153	1,530	10%	0	0	62.1
Alpine St.										
Between White Knoll Dr. and Beaudry Ave	40	10	30	25	183	1,830	10%	0	0	62.9
Between Beaudry Ave. and Figueroa Ter.	40	10	30	25	216	2,160	10%	0	0	63.6
Grand Avenue										
- Between Cesar Chavez Ave. and Temple St.	60	10	40	35	2,006	20,060	10%	0	0	71.9
- Between Temple St. and 1st St.	60	10	40	35	1,965	19,650	10%	0	0	71.8
Sunset Boulevard										
- Between Vin Scully Ave. and Marion Ave.	70	10	45	35	3,291	32,910	10%	0	0	73.5
- Between Marion Ave. and Beaudry Ave.	70	10	45	35	3,291	32,910	10%	0	0	73.5

EXISTING CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume		PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
- Between Beaudry Ave. and Figueroa St.	70	10	45	35	2,472	24,720	10%	0	0	72.3
Cesar Chavez Ave.										
- Between Figueroa St. and Grand Ave.	80	10	50	35	2,261	22,610	10%	0	0	71.4
- Between Grand Ave. and Broadway	80	10	50	35	2,668	26,680	10%	0	0	72.1

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: 1111 Sunset 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

MIXED-USE DEVELOPMENT

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
Vin Scully Avenue										
- Between Stadium Way and Sunset Blvd.	80	10	50	35	1,660	16,600	10%	0	0	70.1
Marion Avenue										
- Between Sunset Blvd. and Kensington Rd	60	10	40	25	557	5,570	10%	0	0	66.4
Hills Street										
- Between College St. and Temple St.	60	10	40	35	2,508	25,080	10%	0	0	72.8
Beaudry Avenue										
- Between Alpine St. 1 and Alpine St. 2	40	10	30	25	420	4,200	10%	0	0	66.5
- Between Alpine St. 2 and Bartlett Ave.	40	10	30	25	520	5,200	10%	0	0	67.4
- Between Bartlett Ave. and Sunset Blvd.	40	10	30	25	1,116	11,160	10%	0	0	70.7
- Between Sunset Blvd. and Temple St.	40	10	30	35	2,076	20,760	10%	0	0	73.4
- Between Temple Ave. and 1st St.	70	10	45	35	2,113	21,130	10%	0	0	71.6
Figueroa Street										
- Between Alpine St. and Sunset Blvd.	70	10	45	35	1,190	11,900	10%	0	0	69.1
- Between Sunset Blvd. and 2nd St.	70	10	45	35	2,164	21,640	10%	0	0	71.7
Everett Street										
- North of Sunset Blvd.	40	10	30	25	127	1,270	10%	0	0	61.3
White Knoll Dr.										
Between Marview Ave. and White Knoll Dr.	40	10	30	25	339	3,390	10%	0	0	65.6
Between Sunset Blvd. and Marview Ave.	40	10	30	25	340	3,400	10%	0	0	65.6
Alpine St.										
Between White Knoll Dr. and Beaudry Ave	40	10	30	25	363	3,630	10%	0	0	65.9
Between Beaudry Ave. and Figueroa Ter.	40	10	30	25	288	2,880	10%	0	0	64.8
Grand Avenue										
- Between Cesar Chavez Ave. and Temple St.	60	10	40	35	2,084	20,840	10%	0	0	72.0
- Between Temple St. and 1st St.	60	10	40	35	1,995	19,950	10%	0	0	71.9
Sunset Boulevard										
- Between Vin Scully Ave. and Marion Ave.	70	10	45	35	3,437	34,370	10%	0	0	73.7
- Between Marion Ave. and Beaudry Ave.	70	10	45	35	3,427	34,270	10%	0	0	73.7

EXISTING + PROJECT CONDITIONS

MIXED-USE DEVELOPMENT

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume		PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
- Between Beaudry Ave. and Figueroa St. Cesar Chavez Ave.	70	10	45	35	2,658	26,580	10%	0	0	72.6
- Between Figueroa St. and Grand Ave.	80	10	50	35	2,359	23,590	10%	0	0	71.6
- Between Grand Ave. and Broadway	80	10	50	35	2,689	26,890	10%	0	0	72.2

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: 1111 Sunset 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

NO HOTEL DEVELOPMENT

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vin Scully Avenue										
- Between Stadium Way and Sunset Blvd.	80	10	50	35	1,659	16,590	10%	0	0	70.1
Marion Avenue										
- Between Sunset Blvd. and Kensington Rd	60	10	40	25	558	5,580	10%	0	0	66.4
Hills Street										
- Between College St. and Temple St.	60	10	40	35	2,508	25,080	10%	0	0	72.8
Beaudry Avenue										
- Between Alpine St. 1 and Alpine St. 2	40	10	30	25	406	4,060	10%	0	0	66.3
- Between Alpine St. 2 and Bartlett Ave.	40	10	30	25	509	5,090	10%	0	0	67.3
- Between Bartlett Ave. and Sunset Blvd.	40	10	30	25	1,111	11,110	10%	0	0	70.7
- Between Sunset Blvd. and Temple St.	40	10	30	35	2,080	20,800	10%	0	0	73.4
- Between Temple Ave. and 1st St.	70	10	45	35	2,090	20,900	10%	0	0	71.6
Figueroa Street										
- Between Alpine St. and Sunset Blvd.	70	10	45	35	1,187	11,870	10%	0	0	69.1
- Between Sunset Blvd. and 2nd St.	70	10	45	35	2,157	21,570	10%	0	0	71.7
Everett Street										
- North of Sunset Blvd.	40	10	30	25	127	1,270	10%	0	0	61.3
White Knoll Dr.										
Between Marview Ave. and White Knoll Dr.	40	10	30	25	330	3,300	10%	0	0	65.4
Between Sunset Blvd. and Marview Ave.	40	10	30	25	330	3,300	10%	0	0	65.4
Alpine St.										
Between White Knoll Dr. and Beaudry Ave	40	10	30	25	352	3,520	10%	0	0	65.7
Between Beaudry Ave. and Figueroa Ter.	40	10	30	25	287	2,870	10%	0	0	64.8
Grand Avenue										
- Between Cesar Chavez Ave. and Temple St.	60	10	40	35	2,074	20,740	10%	0	0	72.0
- Between Temple St. and 1st St.	60	10	40	35	1,991	19,910	10%	0	0	71.8
Sunset Boulevard										
- Between Vin Scully Ave. and Marion Ave.	70	10	45	35	3,416	34,160	10%	0	0	73.7
- Between Marion Ave. and Beaudry Ave.	70	10	45	35	3,518	35,180	10%	0	0	73.8

EXISTING + PROJECT CONDITIONS

NO HOTEL DEVELOPMENT

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume		PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
- Between Beaudry Ave. and Figueroa St. Cesar Chavez Ave.	70	10	45	35	2,658	26,580	10%	0	0	72.6
- Between Figueroa St. and Grand Ave.	80	10	50	35	2,347	23,470	10%	0	0	71.6
- Between Grand Ave. and Broadway	80	10	50	35	2,686	26,860	10%	0	0	72.1

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: 1111 Sunset 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

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vin Scully Avenue										
- Between Stadium Way and Sunset Blvd.	80	10	50	35	1,907	19,070	10%	0	0	70.7
Marion Avenue										
- Between Sunset Blvd. and Kensington Rd	60	10	40	25	604	6,040	10%	0	0	66.8
Hills Street										
- Between College St. and Temple St.	60	10	40	35	2,723	27,230	10%	0	0	73.2
Beaudry Avenue										
- Between Alpine St. 1 and Alpine St. 2	40	10	30	25	195	1,950	10%	0	0	63.2
- Between Alpine St. 2 and Bartlett Ave.	40	10	30	25	425	4,250	10%	0	0	66.5
- Between Bartlett Ave. and Sunset Blvd.	40	10	30	25	1,017	10,170	10%	0	0	70.3
- Between Sunset Blvd. and Temple St.	40	10	30	35	1,977	19,770	10%	0	0	73.2
- Between Temple Ave. and 1st St.	70	10	45	35	2,202	22,020	10%	0	0	71.8
Figueroa Street										
- Between Alpine St. and Sunset Blvd.	70	10	45	35	1,342	13,420	10%	0	0	69.6
- Between Sunset Blvd. and 2nd St.	70	10	45	35	2,371	23,710	10%	0	0	72.1
Everett Street										
- North of Sunset Blvd.	40	10	30	25	141	1,410	10%	0	0	61.7
White Knoll Dr.										
Between Marview Ave. and White Knoll Dr.	40	10	30	25	163	1,630	10%	0	0	62.4
Between Sunset Blvd. and Marview Ave.	40	10	30	25	156	1,560	10%	0	0	62.2
Alpine St.										
Between White Knoll Dr. and Beaudry Ave	40	10	30	25	187	1,870	10%	0	0	63.0
Between Beaudry Ave. and Figueroa Ter.	40	10	30	25	336	3,360	10%	0	0	65.5
Grand Avenue										
- Between Cesar Chavez Ave. and Temple St.	60	10	40	35	2,422	24,220	10%	0	0	72.7
- Between Temple St. and 1st St.	60	10	40	35	2,501	25,010	10%	0	0	72.8
Sunset Boulevard										
- Between Vin Scully Ave. and Marion Ave.	70	10	45	35	3,679	36,790	10%	0	0	74.0
- Between Marion Ave. and Beaudry Ave.	70	10	45	35	3,729	37,290	10%	0	0	74.1

FUTURE NO PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume		PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
- Between Beaudry Ave. and Figueroa St.	70	10	45	35	2,845	28,450	10%	0	0	72.9
Cesar Chavez Ave.										
- Between Figueroa St. and Grand Ave.	80	10	50	35	2,577	25,770	10%	0	0	72.0
- Between Grand Ave. and Broadway	80	10	50	35	3,058	30,580	10%	0	0	72.7

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: 1111 Sunset 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

MIXED-USE DEVELOPMENT

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
Vin Scully Avenue										
- Between Stadium Way and Sunset Blvd.	80	10	50	35	1,926	19,260	10%	0	0	70.7
Marion Avenue										
- Between Sunset Blvd. and Kensington Rd	60	10	40	25	611	6,110	10%	0	0	66.8
Hills Street										
- Between College St. and Temple St.	60	10	40	35	2,723	27,230	10%	0	0	73.2
Beaudry Avenue										
- Between Alpine St. 1 and Alpine St. 2	40	10	30	25	424	4,240	10%	0	0	66.5
- Between Alpine St. 2 and Bartlett Ave.	40	10	30	25	645	6,450	10%	0	0	68.4
- Between Bartlett Ave. and Sunset Blvd.	40	10	30	25	1,258	12,580	10%	0	0	71.3
- Between Sunset Blvd. and Temple St.	40	10	30	35	2,278	22,780	10%	0	0	73.8
- Between Temple Ave. and 1st St.	70	10	45	35	2,417	24,170	10%	0	0	72.2
Figueroa Street										
- Between Alpine St. and Sunset Blvd.	70	10	45	35	1,352	13,520	10%	0	0	69.7
- Between Sunset Blvd. and 2nd St.	70	10	45	35	2,433	24,330	10%	0	0	72.2
Everett Street										
- North of Sunset Blvd.	40	10	30	25	141	1,410	10%	0	0	61.7
White Knoll Dr.										
Between Marview Ave. and White Knoll Dr.	40	10	30	25	343	3,430	10%	0	0	65.6
Between Sunset Blvd. and Marview Ave.	40	10	30	25	343	3,430	10%	0	0	65.6
Alpine St.										
Between White Knoll Dr. and Beaudry Ave	40	10	30	25	367	3,670	10%	0	0	65.9
Between Beaudry Ave. and Figueroa Ter.	40	10	30	25	410	4,100	10%	0	0	66.4
Grand Avenue										
- Between Cesar Chavez Ave. and Temple St.	60	10	40	35	2,500	25,000	10%	0	0	72.8
- Between Temple St. and 1st St.	60	10	40	35	2,531	25,310	10%	0	0	72.9
Sunset Boulevard										
- Between Vin Scully Ave. and Marion Ave.	70	10	45	35	3,840	38,400	10%	0	0	74.2
- Between Marion Ave. and Beaudry Ave.	70	10	45	35	3,865	38,650	10%	0	0	74.2

FUTURE + PROJECT CONDITIONS

MIXED-USE DEVELOPMENT

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
- Between Beaudry Ave. and Figueroa St. Cesar Chavez Ave.	70	10	45	35	3,031	30,310	10%	0	0	73.2
- Between Figueroa St. and Grand Ave.	80	10	50	35	2,678	26,780	10%	0	0	72.1
- Between Grand Ave. and Broadway	80	10	50	35	3,079	30,790	10%	0	0	72.7

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: 1111 Sunset 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

NO HOTEL DEVELOPMENT

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Vin Scully Avenue										
- Between Stadium Way and Sunset Blvd.	80	10	50	35	1,925	19,250	10%	0	0	70.7
Marion Avenue										
- Between Sunset Blvd. and Kensington Rd	60	10	40	25	612	6,120	10%	0	0	66.8
Hills Street										
- Between College St. and Temple St.	60	10	40	35	2,723	27,230	10%	0	0	73.2
Beaudry Avenue										
- Between Alpine St. 1 and Alpine St. 2	40	10	30	25	411	4,110	10%	0	0	66.4
- Between Alpine St. 2 and Bartlett Ave.	40	10	30	25	634	6,340	10%	0	0	68.3
- Between Bartlett Ave. and Sunset Blvd.	40	10	30	25	1,252	12,520	10%	0	0	71.2
- Between Sunset Blvd. and Temple St.	40	10	30	35	2,282	22,820	10%	0	0	73.8
- Between Temple Ave. and 1st St.	70	10	45	35	2,393	23,930	10%	0	0	72.1
Figueroa Street										
- Between Alpine St. and Sunset Blvd.	70	10	45	35	1,350	13,500	10%	0	0	69.7
- Between Sunset Blvd. and 2nd St.	70	10	45	35	2,426	24,260	10%	0	0	72.2
Everett Street										
- North of Sunset Blvd.	40	10	30	25	141	1,410	10%	0	0	61.7
White Knoll Dr.										
Between Marview Ave. and White Knoll Dr.	40	10	30	25	334	3,340	10%	0	0	65.5
Between Sunset Blvd. and Marview Ave.	40	10	30	25	333	3,330	10%	0	0	65.5
Alpine St.										
Between White Knoll Dr. and Beaudry Ave	40	10	30	25	356	3,560	10%	0	0	65.8
Between Beaudry Ave. and Figueroa Ter.	40	10	30	25	409	4,090	10%	0	0	66.4
Grand Avenue										
- Between Cesar Chavez Ave. and Temple St.	60	10	40	35	2,490	24,900	10%	0	0	72.8
- Between Temple St. and 1st St.	60	10	40	35	2,527	25,270	10%	0	0	72.9
Sunset Boulevard										
- Between Vin Scully Ave. and Marion Ave.	70	10	45	35	3,817	38,170	10%	0	0	74.2
- Between Marion Ave. and Beaudry Ave.	70	10	45	35	4,000	40,000	10%	0	0	74.4

FUTURE + PROJECT CONDITIONS

NO HOTEL DEVELOPMENT

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
- Between Beaudry Ave. and Figueroa St. Cesar Chavez Ave.	70	10	45	35	3,032	30,320	10%	0	0	73.2
- Between Figueroa St. and Grand Ave.	80	10	50	35	2,665	26,650	10%	0	0	72.1
- Between Grand Ave. and Broadway	80	10	50	35	3,076	30,760	10%	0	0	72.7

* Estimated based on Google Earth map.

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

Project Alternatives Noise Calculations

Project: 1111 Sunset Project

Off-Site Haul Trucks - Alternative Analysis (50% Reduction)

Phase	Maximum Number of Truck One Way Trips (delivery/haul)		Worker Trips		Estimated Noise Levels (From TNM Outputs), Leq(hr)									
	Per Day	Per Hour (8-hr day)	Per day	Trips during Pk Hr.	Alvarado (45 ft)	College (30 ft)	Figueroa Terrace (30 ft)	Main (45)	Alpine (30 ft)	Beaudry, Temple (45 ft)	Figueroa St. (45 ft)	Grand Avenue (45 ft)	Sunset (45 ft)	Cesar Chavez (45 ft)
3. Grading/Excavation (Phases 0 and 1)	308	52	100	40	67.7	0.0	0.0	67.7	69.7	67.7	67.7	67.7	67.7	67.7
5. Concrete (Phase 0 and Phase 1/2) Matt	700	59	75	30	68.2	70.1	70.1	68.2	70.1	68.2	68.2	68.2	68.2	68.2
Grading 6 hrs per day				Ambient	70.3	61.0	61.0	68.8	61.0	68.8	69.3	69.3	70.3	70.3
Concrete Pour 12 hrs day				Threshold, Ambient + 5 dBA	75.3	66.0	66.0	73.8	66.0	73.8	74.3	74.3	75.3	75.3

Estimated Noise Levels - Project + Ambient, Leq(hr)														
					Alvarado (45 ft)	College (30 ft)	Figueroa Terrace (30 ft)	Main (45)	Alpine (30 ft)	Beaudry, Temple (45 ft)	Figueroa St. (45 ft)	Grand Avenue (45 ft)	Sunset (45 ft)	Cesar Chavez (45 ft)
3. Grading/Excavation (Phases 0 and 1)					72.2	0.0	0.0	71.3	70.2	71.3	71.6	71.6	72.2	72.2
5. Concrete (Phase 0 and Phase 1/2) Matt					72.4	70.6	70.6	71.5	70.6	71.5	71.8	71.8	72.4	72.4
Ambient					70.3	61.0	61.0	68.8	61.0	68.8	69.3	69.3	70.3	70.3
Criteria					75.3	66.0	66.0	73.8	66.0	73.8	74.3	74.3	75.3	75.3

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental					20 January 2021						
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average pavement type shall be used unless				
PROJECT/CONTRACT:	1111 Sunset Project						a State highway agency substantiates the use				
RUN:	Grading & Excav (phases 0 and 1) - Alts						of a different type with the approval of FHWA				
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental				20 January 2021								
Sean Bui				TNM 2.5								
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	1111 Sunset Project											
RUN:	Grading & Excav (phases 0 and 1) - Alts											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	40	35	0	0	52	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS**1111 Sunset Project**

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Grading & Excav (phases 0 and 1) - Alts										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	67.7	66	67.7	10	Snd Lvl	67.7	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS
1111 Sunset Project

Eyestone Environmental Sean Bui											
INPUT: ROADWAYS											
PROJECT/CONTRACT:	1111 Sunset Project						Average pavement type shall be used unless				
RUN:	Concrete (P 0 & 1/2), Mat Found - Alts						a State highway agency substantiates the use				
							of a different type with the approval of FHWA				
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Type	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	1111 Sunset Project											
RUN:	Concrete (P 0 & 1/2), Mat Found - Alts											
Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	30	35	0	0	59	35	0	0	0	0
	point2	2										

INPUT: RECEIVERS**1111 Sunset Project**

Eyestone Environmental											
Sean Bui											
INPUT: RECEIVERS											
PROJECT/CONTRACT:	1111 Sunset Project										
RUN:	Concrete (P 0 & 1/2), Mat Found - Alts										
Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway CL	8	1	500.0	30.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway CL	13	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS
1111 Sunset Project

Eyestone Environmental												
Sean Bui												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
At 30 feet from roadway CL	8	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
At 45 feet from roadway CL	13	1	0.0	68.2	66	68.2	10	Snd Lvl	68.2	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
*Alternative Analysis, 50% Reduction***

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%	70	0
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	95	0
Excavator		81	40%		
Generator Set	1	81	50%	120	0
Air Compressor		78	40%		
Water Truck	1	82	10%	145	0
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	195	0
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	2	81	40%	195	0
Water Truck	1	82	10%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	1	79	40%	195	0
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Bore/Drill Rig		84	20%		

15

Receptor: R1

Results:

1-hour Leq: 80.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
*Alternative Analysis, 50% Reduction***

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%	70	0
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	95	0
Excavator		81	40%		
Generator Set	1	81	50%	120	0
Air Compressor		78	40%		
Water Truck	1	82	10%	145	0
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	170	0
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	195	0
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	195	0
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	195	0
Excavator	2	81	40%	195	0
Water Truck	1	82	10%	195	0
Compactors	1	83	20%	195	0
Rubber Tired Loaders	1	79	40%	195	0
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	195	0
Welders	1	74	40%	195	0
Bore/Drill Rig		84	20%		

15

Receptor: R2

Results:

1-hour Leq: 80.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
*Alternative Analysis, 50% Reduction***

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%	485	5
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	510	5
Excavator		81	40%		
Generator Set	1	81	50%	535	5
Air Compressor		78	40%		
Water Truck	1	82	10%	560	5
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	585	5
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	610	5
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	610	5
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	610	5
Excavator	2	81	40%	610	5
Water Truck	1	82	10%	610	5
Compactors	1	83	20%	610	5
Rubber Tired Loaders	1	79	40%	610	5
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	610	5
Welders	1	74	40%	610	5
Bore/Drill Rig		84	20%		

15

Receptor: R3

Results:

1-hour Leq: 62.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
Alternative Analysis, 50% Reduction**

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	15
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	220	15
Excavator		81	40%		
Generator Set	1	81	50%	245	15
Air Compressor		78	40%		
Water Truck	1	82	10%	270	15
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	295	15
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	320	15
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	320	15
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	320	15
Excavator	2	81	40%	320	15
Water Truck	1	82	10%	320	15
Compactors	1	83	20%	320	15
Rubber Tired Loaders	1	79	40%	320	15
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	320	15
Welders	1	74	40%	320	15
Bore/Drill Rig		84	20%		

15

Receptor: R4

Results:

1-hour Leq: 59.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
*Alternative Analysis, 50% Reduction***

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%	265	0
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	290	0
Excavator		81	40%		
Generator Set	1	81	50%	315	0
Air Compressor		78	40%		
Water Truck	1	82	10%	340	0
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	365	0
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	390	0
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	390	0
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	390	0
Excavator	2	81	40%	390	0
Water Truck	1	82	10%	390	0
Compactors	1	83	20%	390	0
Rubber Tired Loaders	1	79	40%	390	0
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	390	0
Welders	1	74	40%	390	0
Bore/Drill Rig		84	20%		

15

Receptor: R5

Results:

1-hour Leq: 72.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
*Alternative Analysis, 50% Reduction***

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%	210	0
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	235	0
Excavator		81	40%		
Generator Set	1	81	50%	260	0
Air Compressor		78	40%		
Water Truck	1	82	10%	285	0
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	310	0
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	335	0
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	335	0
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	335	0
Excavator	2	81	40%	335	0
Water Truck	1	82	10%	335	0
Compactors	1	83	20%	335	0
Rubber Tired Loaders	1	79	40%	335	0
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	335	0
Welders	1	74	40%	335	0
Bore/Drill Rig		84	20%		

15

Receptor: R6

Results:

1-hour Leq: 73.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
*Alternative Analysis, 50% Reduction***

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%	100	0
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	125	0
Excavator		81	40%		
Generator Set	1	81	50%	150	0
Air Compressor		78	40%		
Water Truck	1	82	10%	175	0
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	200	0
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	225	0
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	225	0
Excavator	2	81	40%	225	0
Water Truck	1	82	10%	225	0
Compactors	1	83	20%	225	0
Rubber Tired Loaders	1	79	40%	225	0
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	225	0
Welders	1	74	40%	225	0
Bore/Drill Rig		84	20%		

15

Receptor: R7

Results:

1-hour Leq: 78.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project

**Construction Phase: *Demolition (Phase 0) and Excavation (Phase 1)*
Alternative Analysis, 50% Reduction**

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%	10	0
Cement and Mortar Mixer		80	50%		
Concrete Saw	1	90	20%	35	0
Excavator		81	40%		
Generator Set	1	81	50%	60	0
Air Compressor		78	40%		
Water Truck	1	82	10%	85	0
Compactors		83	20%		
Rough Terrain Forklifts	1	83	40%	110	0
Rubber Tired Loaders		79	40%		
Skid Steer Loaders	1	79	40%	135	0
Tractor/Loader/Backhoe		79	40%		
Welders	1	74	40%	135	0
Bore/Drill Rig		84	20%		
Cement and Mortar Mixer	1	80	50%	135	0
Excavator	2	81	40%	135	0
Water Truck	1	82	10%	135	0
Compactors	1	83	20%	135	0
Rubber Tired Loaders	1	79	40%	135	0
Skid Steer Loaders		79	40%		
Tractor/Loader/Backhoe	1	79	40%	135	0
Welders	1	74	40%	135	0
Bore/Drill Rig		84	20%		

15

Receptor: R8

Results:

1-hour Leq: 92.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: 1111 Sunset Project
Alternative 4 Analysis - Off-site Traffic

Updated: 1/20/2021

Alternative Analysis - Alternative 4

White Knoll Drive (between Sunset Blvd. and Marview Ave.)

Scenario	Mixed-Use	No-Hotel	Alternative 4, compared to	
			Mixed-Use	No-Hotel
Existing, ADT	1530	1530		
Existing SPL, dBA CNEL	62.1	62.1		
Existing With Project, ADT	3400	3300		
Future with Project, ADT	3430	3330		
Project Only, ADT	1870	1770		
Existing With Project, dBA CNEL	65.6	65.5		
% Increased	2.242	2.176		
Project Noise increase, dBA	3.5	3.4		
Project Trips, ADT	8887	8304	10853	10853
% Increased			1.221	1.307
Project Alt Only, ADT (roadway)			2284	2313
Future With Project Alt, ADT			3844	3873
<i>Alt Only Noise increase, dBA</i>			<i>0.9</i>	<i>1.2</i>
<i>Total noise increase Alt, dBA</i>			<i>4.0</i>	<i>4.0</i>
<i>Future With Project Alt, dBA CNEL</i>			<i>66.1</i>	<i>66.1</i>
<i>Increased Relative to Project</i>			<i>0.5</i>	<i>0.6</i>



MEMORANDUM

TO: Ashley Muñoz, Eyestone Environmental

FROM: Jonathan Chambers, P.E.

DATE: February 5, 2021

RE: Transportation Data Used in the Environmental Impact Report for the
1111 Sunset Boulevard Mixed-Use Project
Los Angeles, California

Ref: J1388

Attached to this memorandum are the peak hour turning movement volumes for study intersections and driveways from *Transportation Assessment for the 1111 Sunset Boulevard Mixed-Use Project* (Gibson Transportation Consulting, Inc., October 2020) (Transportation Assessment). These traffic volumes were used in other environmental analyses in the environmental impact report (EIR) for the 1111 Sunset Boulevard Mixed-Use Project (Project). They include morning and afternoon peak hour volumes under six analysis scenarios:

- Existing Conditions (Year 2018)
- Existing with Project Conditions – Mixed-Use Development Scenario
- Existing with Project Conditions – No-Hotel Development Scenario
- Future without Project Conditions (Year 2028)
- Future with Project Conditions – Mixed-Use Development Scenario
- Future with Project Conditions – No-Hotel Development Scenario

These volumes were provided in the Transportation Assessment in Figures 18, 21, 22, 20, 23, and 24, respectively.

Project Name: **1111 Sunset Boulevard**
Scenario Name: **Existing Conditions (Year 2018)**

Int	N/S Street	E/W Street	Morning Peak Hour												Afternoon Peak Hour											
			SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL
1	Echo Park Avenue	Sunset Boulevard	174	385	243	136	1130	77	27	115	28	43	1031	99	166	271	118	185	859	71	54	386	40	44	1072	104
2	Vin Scully Avenue	Sunset Boulevard	216	0	1070	53	1073	0	0	0	0	0	1130	88	173	0	559	919	831	0	0	0	0	0	890	237
3	Marion Avenue	Sunset Boulevard	0	0	0	0	1098	103	44	0	18	73	2067	0	0	0	0	1493	65	127	0	291	67	1311	0	
4	Beaudry Avenue	Sunset Boulevard	123	270	36	35	887	92	112	97	121	874	1228	36	117	208	24	46	1189	89	133	422	448	360	972	60
5	Figueroa Street	Sunset Boulevard / Cesar Chavez	62	486	52	57	825	334	227	310	177	489	781	146	54	139	50	85	830	142	273	873	475	211	804	116
6	Grand Avenue	Cesar Chavez Avenue	35	548	40	22	1056	738	200	56	84	285	706	16	15	314	24	34	878	474	248	478	243	210	877	23
7	Grand Avenue	US-101 Northbound Ramps	695	916	0	0	0	0	0	262	405	185	0	12	482	479	1	0	0	0	838	654	178	0	154	
8	Beaudry Avenue	Temple Street	103	1149	4	96	532	120	112	199	66	129	574	99	67	699	3	259	686	93	90	752	120	92	425	110
9	Grand Avenue	Temple Street	286	768	66	201	709	332	75	188	49	214	384	116	156	522	53	275	511	203	217	888	162	70	503	151
10	Beaudry Avenue	1st Street	248	803	369	56	775	94	96	196	98	76	718	114	271	579	116	175	1133	112	198	712	126	54	898	97
11	Beaudry Avenue	2nd Street	23	758	135	56	328	82	99	297	103	266	585	43	29	604	109	93	421	167	148	853	123	138	388	102
12	Beaudry Avenue	SR-110 Southbound Off-ramp	116	1018	0	60	52	317	0	419	41	1	0	0	1	774	0	52	0	134	0	1163	0	118	0	35
13	Beaudry Avenue	3rd Street	478	811	0	271	1268	192	0	184	43	0	0	0	345	724	0	270	575	109	0	772	34	0	0	0
14	White Knoll & Sunset		71	0	9	16	1051	0	0	0	0	0	2218	52	55	0	7	12	1818	0	0	0	0	0	1032	65
15	Marview & White Knoll		26	0	13	2	81	0	0	0	0	0	52	11	11	0	6	16	48	1	0	0	0	0	66	20
16	White Knoll & Alpine / Access Point #2		28	0	15	8	57	1	0	0	0	0	54	18	14	0	16	14	50	1	0	0	0	0	46	23
17	Beaudry & Alpine 1 / Access Point #3		77	0	22	27	26	0	0	0	0	0	87	40	56	0	17	38	73	0	0	0	0	0	39	30
18	Beaudry & Alpine 2		0	101	58	21	0	115	22	25	0	0	0	0	0	51	45	18	0	54	97	100	0	0	0	0
19	Beaudry & Bartlett		0	213	4	4	0	197	62	47	4	0	0	0	0	101	1	2	0	149	430	193	0	0	0	0
20	Everett & Sunset		43	0	30	19	1158	0	0	0	0	0	2169	14	35	0	18	28	1555	0	0	0	0	0	1601	46
21	Access Point #1 - Sunset						1131						2227						1830						1392	
22	Access Point #2 - White Knoll	<see Intersection #16>	28	0	15	8	57	1	0	0	0	0	54	18	14	0	16	14	50	1	0	0	0	0	46	23
23	Access Point #3 - Alpine	<see Intersection #17>	77	0	22	27	26	0	0	0	0	0	87	40	56	0	17	38	73	0	0	0	0	0	39	30
24	Access Point #4 - Beaudry			216						51						105					195					
25	Access Point #5 - Hotel from Beaudry			429						168						349					528					
26	Access Point #6 - Hotel from Sunset						1131						2227						1830						1392	
			SBR - southbound right-turn				WBT - westbound right-turn				SBR - northbound right-turn				EBR - eastbound right-turn											
			SBT - southbound through				WBT - westbound through				SBT - northbound through				EBT - eastbound through											
			SBL - southbound left-turn				WBL - westbound left-turn				SBL - northbound left-turn				EBL - eastbound left-turn											

SBR - southbound right-turn
SBT - southbound through
SBL - southbound left-turn

WBR - westbound right-turn
WBT - westbound through
WBL - westbound left-turn

SBR - northbound right-turn
SBT - northbound through
SBL - northbound left-turn

EBR - eastbound right-turn
EBT - eastbound through
EBL - eastbound left-turn

Project Name: **1111 Sunset Boulevard**
Scenario Name: **Existing with Project Conditions - Mixed-Use Development Scenario**

Int	N/S Street	E/W Street	Morning Peak Hour												Afternoon Peak Hour											
			SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL
1	Echo Park Avenue	Sunset Boulevard	174	385	254	145	1,170	93	41	115	28	43	1,071	99	166	271	134	197	903	87	75	386	40	44	1,131	104
2	Vin Scully Avenue	Sunset Boulevard	216	0	1,077	62	1,137	0	0	0	0	0	1,195	88	173	0	570	927	904	0	0	0	0	0	986	237
3	Marion Avenue	Sunset Boulevard	0	0	0	0	1,172	109	46	0	18	73	2,139	0	0	0	0	1,574	69	130	0	291	67	1,418	0	
4	Beaudry Avenue	Sunset Boulevard	136	366	89	47	945	92	112	129	238	908	1,282	44	125	303	76	65	1,276	89	133	474	622	413	1,050	70
5	Figueroa Street	Sunset Boulevard / Cesar Chavez	62	486	52	57	868	334	227	310	191	530	824	155	54	139	50	85	894	142	273	873	496	254	850	128
6	Grand Avenue	Cesar Chavez Avenue	35	548	40	22	1,065	738	200	56	118	319	715	16	15	314	24	34	891	474	248	478	294	246	887	23
7	Grand Avenue	US-101 Northbound Ramps	695	950	0	0	0	0	0	283	405	185	0	25	482	515	1	0	0	0	0	870	654	178	0	173
8	Beaudry Avenue	Temple Street	122	1,229	21	120	532	120	112	289	66	129	574	108	89	779	17	294	686	93	90	887	120	92	425	124
9	Grand Avenue	Temple Street	295	781	78	211	719	332	75	199	49	214	396	116	168	535	65	290	526	203	217	905	162	70	515	151
10	Beaudry Avenue	1st Street	260	850	389	72	775	94	96	260	98	76	718	124	283	628	135	200	1,133	112	198	807	126	54	898	112
11	Beaudry Avenue	2nd Street	23	805	135	56	328	82	99	361	103	266	585	43	29	653	109	93	421	167	148	948	123	138	388	102
12	Beaudry Avenue	SR-110 Southbound Off-ramp	116	1065	0	60	52	317	0	483	41	1	0	0	1	823	0	52	0	134	0	1258	0	118	0	35
13	Beaudry Avenue	3rd Street	478	858	0	318	1268	192	0	201	43	0	0	0	345	773	0	340	575	109	0	798	34	0	0	0
14	White Knoll & Sunset		104	0	71	18	1113	10	0	0	0	0	2267	98	87	0	99	15	1902	15	0	0	0	0	1108	135
15	Marview & White Knoll		26	0	13	2	177	0	0	0	0	0	100	11	11	0	6	16	172	1	0	0	0	0	139	20
16	White Knoll & Alpine / Access Point #2		28	0	15	8	153	2	5	0	16	2	102	18	14	0	16	14	174	5	2	0	5	11	119	23
17	Beaudry & Alpine 1 / Access Point #3		77	0	22	27	42	40	110	0	79	30	106	40	56	0	17	38	83	64	130	0	114	48	64	30
18	Beaudry & Alpine 2		0	215	73	44	0	125	34	58	0	0	0	0	0	189	62	55	0	67	104	137	0	0	0	0
19	Beaudry & Bartlett		0	390	4	4	0	197	62	94	4	0	0	0	0	271	1	2	0	149	430	269	0	0	0	0
20	Everett & Sunset		43	0	30	19	1237	0	0	0	0	0	2243	14	35	0	18	28	1640	0	0	0	0	0	1711	46
21	Access Point #1 - Sunset		40	0	15	142	1165	0	0	0	0	0	2307	42	62	0	23	225	1871	0	0	0	0	0	1509	66
22	Access Point #2 - White Knoll	<see Intersection #16>	28	0	15	8	153	2	5	0	16	2	102	18	14	0	16	14	174	5	2	0	5	11	119	23
23	Access Point #3 - Alpine	<see Intersection #17>	77	0	22	27	42	40	110	0	79	30	106	40	56	0	17	38	83	64	130	0	114	48	64	30
24	Access Point #4 - Beaudry		14	325	0	0	0	0	0	67	31	68	0	28	23	233	0	0	0	0	0	222	49	42	0	18
25	Access Point #5 - Hotel from Beaudry		14	592	0	0	0	0	0	215	0	0	0	0	15	504	0	0	0	0	0	604	0	0	0	0
26	Access Point #6 - Hotel from Sunset		19	0	0	34	1289	0	0	0	0	0	2322	0	29	0	0	37	2067	0	0	0	0	0	1532	0

SBR - southbound right-turn
SBT - southbound through
SBL - southbound left-turn

WBR - westbound right-turn
WBT - westbound through
WBL - westbound left-turn

SBR - northbound right-turn
SBT - northbound through
SBL - northbound left-turn

EBR - eastbound right-turn
EBT - eastbound through
EBL - eastbound left-turn

Project Name: **1111 Sunset Boulevard**
Scenario Name: **Existing with Project Conditions - No-Hotel Development Scenario**

Int	N/S Street	E/W Street	Morning Peak Hour												Afternoon Peak Hour											
			SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL
1	Echo Park Avenue	Sunset Boulevard	174	385	252	143	1,167	92	39	115	28	43	1,064	99	166	271	131	194	897	85	74	386	40	44	1,125	104
2	Vin Scully Avenue	Sunset Boulevard	216	0	1,076	63	1,132	0	0	0	0	0	1,184	88	173	0	570	927	893	0	0	0	0	0	976	237
3	Marion Avenue	Sunset Boulevard	0	0	0	0	1,167	110	46	0	18	73	2,127	0	0	0	0	1,563	69	131	0	291	67	1,408	0	
4	Beaudry Avenue	Sunset Boulevard	137	368	89	47	936	92	112	129	218	904	1,276	40	126	300	73	67	1,268	89	133	478	606	402	1,038	67
5	Figueroa Street	Sunset Boulevard / Cesar Chavez	62	486	52	57	862	334	227	310	189	529	822	153	54	139	50	85	890	142	273	873	495	248	844	125
6	Grand Avenue	Cesar Chavez Avenue	35	548	40	22	1,063	738	200	56	113	317	715	16	15	314	24	34	890	474	248	478	291	241	886	23
7	Grand Avenue	US-101 Northbound Ramps	695	948	0	0	0	0	0	281	405	185	0	23	482	510	1	0	0	0	0	869	654	178	0	171
8	Beaudry Avenue	Temple Street	121	1,228	22	116	532	120	112	276	66	129	574	107	86	770	17	292	686	93	90	878	120	92	425	123
9	Grand Avenue	Temple Street	293	780	79	210	718	332	75	198	49	214	397	116	165	534	64	290	526	203	217	904	162	70	514	151
10	Beaudry Avenue	1st Street	261	849	389	70	775	94	96	250	98	76	718	123	282	622	133	199	1,133	112	198	800	126	54	898	112
11	Beaudry Avenue	2nd Street	23	804	135	56	328	82	99	351	103	266	585	43	29	647	109	93	421	167	148	941	123	138	388	102
12	Beaudry Avenue	SR-110 Southbound Off-ramp	116	1064	0	60	52	317	0	473	41	1	0	0	1	817	0	52	0	134	0	1251	0	118	0	35
13	Beaudry Avenue	3rd Street	478	857	0	310	1268	192	0	199	43	0	0	0	345	767	0	334	575	109	0	796	34	0	0	0
14	White Knoll & Sunset		105	0	69	18	1107	4	0	0	0	0	2262	89	88	0	96	16	1889	2	0	0	0	0	1104	128
15	Marview & White Knoll		26	0	13	2	175	0	0	0	0	0	91	11	11	0	6	16	169	1	0	0	0	0	132	20
16	White Knoll & Alpine / Access Point #2		28	0	15	8	151	2	5	0	16	2	93	18	14	0	16	14	171	5	2	0	5	11	112	23
17	Beaudry & Alpine 1 / Access Point #3		77	0	22	27	43	40	109	0	77	30	97	40	56	0	17	38	83	67	120	0	110	48	57	30
18	Beaudry & Alpine 2		0	204	74	44	0	121	35	59	0	0	0	0	0	174	61	56	0	65	105	139	0	0	0	0
19	Beaudry & Bartlett		0	379	4	4	0	197	62	95	4	0	0	0	0	255	1	2	0	149	430	276	0	0	0	0
20	Everett & Sunset		43	0	30	19	1234	0	0	0	0	0	2231	14	35	0	18	28	1629	0	0	0	0	0	1702	46
21	Access Point #1 - Sunset		39	0	15	142	1154	0	0	0	0	0	2295	41	61	0	20	225	1845	0	0	0	0	0	1489	66
22	Access Point #2 - White Knoll	<see Intersection #16>	28	0	15	8	151	2	5	0	16	2	93	18	14	0	16	14	171	5	2	0	5	11	112	23
23	Access Point #3 - Alpine	<see Intersection #17>	77	0	22	27	43	40	109	0	77	30	97	40	56	0	17	38	83	67	120	0	110	48	57	30
24	Access Point #4 - Beaudry		14	310	0	0	0	0	0	68	31	72	0	29	25	214	0	0	0	0	0	224	54	45	0	18
25	Access Point #5 - Hotel from Beaudry		1	594	0	0	0	0	0	216	0	0	0	0	4	499	0	0	0	0	0	611	0	0	0	0
26	Access Point #6 - Hotel from Sunset		7	0	0	2	1289	0	0	0	0	0	2309	0	3	0	0	8	2067	0	0	0	0	0	1508	0
			SBR - southbound right-turn				WBR - westbound right-turn				SBR - northbound right-turn				EBR - eastbound right-turn											
			SBT - southbound through				WBT - westbound through				SBT - northbound through				EBT - eastbound through											
			SBL - southbound left-turn				WBL - westbound left-turn				SBL - northbound left-turn				EBL - eastbound left-turn											

SBR - southbound right-turn
SBT - southbound through
SBL - southbound left-turn

WBR - westbound right-turn
WBT - westbound through
WBL - westbound left-turn

SBR - northbound right-turn
SBT - northbound through
SBL - northbound left-turn

EBR - eastbound right-turn
EBT - eastbound through
EBL - eastbound left-turn

Project Name: **1111 Sunset Boulevard**
Scenario Name: **Future without Project Conditions (Year 2028)**

Int	N/S Street	E/W Street	Morning Peak Hour												Afternoon Peak Hour											
			SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL
1	Echo Park Avenue	Sunset Boulevard	179	397	250	140	1289	101	30	125	38	45	1148	102	171	281	121	190	1017	86	58	413	50	51	1245	107
2	Vin Scully Avenue	Sunset Boulevard	269	0	1161	111	1205	0	0	0	0	0	1236	106	212	0	658	1013	967	0	0	0	0	0	1027	277
3	Marion Avenue	Sunset Boulevard	0	0	0	0	1287	115	66	0	18	75	2265	0	0	0	0	1720	87	148	0	300	69	1545	0	
4	Beaudry Avenue	Sunset Boulevard	154	291	37	36	1005	95	128	100	173	923	1414	56	171	267	25	47	1359	91	144	434	503	420	1160	75
5	Figueroa Street	Sunset Boulevard / Cesar Chavez	64	513	56	68	930	344	253	407	194	543	898	178	55	193	62	93	974	146	308	959	505	246	949	135
6	Grand Avenue	Cesar Chavez Avenue	36	585	41	23	1132	814	244	88	119	357	801	16	15	348	25	35	979	569	298	550	313	291	982	24
7	Grand Avenue	US-101 Northbound Ramps	764	1034	0	0	0	0	0	368	445	224	0	15	557	613	1	0	0	0	0	1020	734	217	0	164
8	Beaudry Avenue	Temple Street	106	1198	26	134	663	203	163	232	73	136	728	102	69	743	80	290	852	165	211	799	133	97	604	113
9	Grand Avenue	Temple Street	296	913	68	206	781	341	77	278	77	310	521	161	161	689	54	283	643	210	223	1082	239	158	634	206
10	Beaudry Avenue	1st Street	274	875	411	68	869	97	120	245	104	78	918	144	309	641	138	212	1397	120	222	829	130	57	1042	126
11	Beaudry Avenue	2nd Street	24	834	139	58	390	84	102	350	106	273	697	44	30	659	112	96	514	172	152	996	126	142	473	107
12	Beaudry Avenue	SR-110 Southbound Off-ramp	119	1101	0	79	53	330	0	458	42	1	0	0	1	833	0	73	0	150	0	1295	0	121	0	36
13	Beaudry Avenue	3rd Street	501	882	0	298	1419	197	0	196	44	11	0	2	369	778	0	349	757	112	0	815	35	7	0	7
14	White Knoll & Sunset		73	0	9	16	1251	0	0	0	0	0	2475	53	57	0	7	12	2100	0	0	0	0	0	1284	67
15	Marview & White Knoll		27	0	13	2	83	0	0	0	0	0	53	11	11	0	6	16	49	1	0	0	0	0	68	21
16	White Knoll & Alpine / Access Point #2		29	0	15	8	59	1	0	0	0	0	55	18	14	0	16	14	51	1	0	0	0	0	47	24
17	Beaudry & Alpine 1 / Access Point #3		79	0	23	28	27	0	0	0	0	0	89	41	58	0	17	39	75	0	0	0	0	0	40	31
18	Beaudry & Alpine 2		0	104	60	22	0	161	42	26	0	0	0	0	0	52	46	18	0	159	113	103	0	0	0	0
19	Beaudry & Bartlett		0	262	4	4	0	202	64	67	4	0	0	0	0	208	1	2	0	153	442	211	0	0	0	0
20	Everett & Sunset		46	0	36	21	1356	0	0	0	0	0	2390	15	37	0	21	34	1802	0	0	0	0	0	1859	49
21	Access Point #1 - Sunset		0	0	0	0	1333	0	0	0	0	0	2484	0	0	0	0	0	2112	0	0	0	0	0	1654	0
22	Access Point #2 - White Knoll	<see Intersection #16>	29	0	15	8	59	1	0	0	0	0	55	18	14	0	16	14	51	1	0	0	0	0	47	24
23	Access Point #3 - Alpine	<see Intersection #17>	79	0	23	28	27	0	0	0	0	0	89	41	58	0	17	39	75	0	0	0	0	0	40	31
24	Access Point #4 - Beaudry		0	265	0	0	0	0	0	71	0	0	0	0	0	212	0	0	0	0	0	213	0	0	0	0
25	Access Point #5 - Hotel from Beaudry		0	484	0	0	0	0	0	192	0	0	0	0	0	463	0	0	0	0	0	555	0	0	0	0
26	Access Point #6 - Hotel from Sunset		0	0	0	0	1162	0	0	0	0	0	2288	0	0	0	0	0	1880	0	0	0	0	0	1430	0

SBR - southbound right-turn
SBT - southbound through
SBL - southbound left-turn

WBR - westbound right-turn
WBT - westbound through
WBL - westbound left-turn

SBR - northbound right-turn
SBT - northbound through
SBL - northbound left-turn

EBR - eastbound right-turn
EBT - eastbound through
EBL - eastbound left-turn

Project Name: **1111 Sunset Boulevard**
Scenario Name: **Future with Project Conditions - Mixed-Use Development Scenario**

Int	N/S Street	E/W Street	Morning Peak Hour												Afternoon Peak Hour											
			SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL
1	Echo Park Avenue	Sunset Boulevard	179	397	261	149	1,329	117	44	125	38	45	1,188	102	171	281	137	202	1,061	102	79	413	50	51	1,304	107
2	Vin Scully Avenue	Sunset Boulevard	269	0	1,168	120	1,269	0	0	0	0	0	1,301	106	212	0	669	1,021	1,040	0	0	0	0	0	1,123	277
3	Marion Avenue	Sunset Boulevard	0	0	0	0	1,361	121	68	0	18	75	2,337	0	0	0	0	1,801	91	151	0	300	69	1,652	0	
4	Beaudry Avenue	Sunset Boulevard	167	387	90	48	1,063	95	128	132	290	957	1,468	64	179	362	77	66	1,446	91	144	486	677	473	1,238	85
5	Figueroa Street	Sunset Boulevard / Cesar Chavez	64	513	56	68	973	344	253	407	208	584	941	187	55	193	62	93	1,038	146	308	959	526	289	995	147
6	Grand Avenue	Cesar Chavez Avenue	36	585	41	23	1,141	814	244	88	153	391	810	16	15	348	25	35	992	569	298	550	364	327	992	24
7	Grand Avenue	US-101 Northbound Ramps	764	1,068	0	0	0	0	0	389	445	224	0	28	557	649	1	0	0	0	0	1,052	734	217	0	183
8	Beaudry Avenue	Temple Street	125	1,278	43	158	663	203	163	322	73	136	728	111	91	823	94	325	852	165	211	934	133	97	604	127
9	Grand Avenue	Temple Street	305	926	80	216	791	341	77	289	77	310	533	161	173	702	66	298	658	210	223	1,099	239	158	646	206
10	Beaudry Avenue	1st Street	286	922	431	84	869	97	120	309	104	78	918	154	321	690	157	237	1,397	120	222	924	130	57	1,042	141
11	Beaudry Avenue	2nd Street	24	881	139	58	390	84	102	414	106	273	697	44	30	708	112	96	514	172	152	1,091	126	142	473	107
12	Beaudry Avenue	SR-110 Southbound Off-ramp	119	1148	0	79	53	330	0	522	42	1	0	0	1	882	0	73	0	150	0	1390	0	121	0	36
13	Beaudry Avenue	3rd Street	501	929	0	345	1419	197	0	213	44	11	0	2	369	827	0	419	757	112	0	841	35	7	0	7
14	White Knoll & Sunset		106	0	71	18	1313	10	0	0	0	0	2524	99	89	0	99	15	2184	15	0	0	0	0	1360	137
15	Marview & White Knoll		27	0	13	2	179	0	0	0	0	0	101	11	11	0	6	16	173	1	0	0	0	0	141	21
16	White Knoll & Alpine / Access Point #2		29	0	15	8	155	2	5	0	16	2	103	18	14	0	16	14	175	5	2	0	5	11	120	24
17	Beaudry & Alpine 1 / Access Point #3		79	0	23	28	43	40	110	0	79	30	108	41	58	0	17	39	85	64	130	0	114	48	65	31
18	Beaudry & Alpine 2		0	218	75	45	0	171	54	59	0	0	0	0	0	190	63	55	0	172	120	140	0	0	0	0
19	Beaudry & Bartlett		0	439	4	4	0	202	64	114	4	0	0	0	0	378	1	2	0	153	442	287	0	0	0	0
20	Everett & Sunset		46	0	36	21	1435	0	0	0	0	0	2464	15	37	0	21	34	1887	0	0	0	0	0	1969	49
21	Access Point #1 - Sunset		40	0	15	142	1367	0	0	0	0	0	2564	42	62	0	23	225	2153	0	0	0	0	0	1771	66
22	Access Point #2 - White Knoll	<see Intersection #16>	29	0	15	8	155	2	5	0	16	2	103	18	14	0	16	14	175	5	2	0	5	11	120	24
23	Access Point #3 - Alpine	<see Intersection #17>	79	0	23	28	43	40	110	0	79	30	108	41	58	0	17	39	85	64	130	0	114	48	65	31
24	Access Point #4 - Beaudry		14	374	0	0	0	0	0	87	31	68	0	28	23	340	0	0	0	0	0	240	49	42	0	18
25	Access Point #5 - Hotel from Beaudry		14	647	0	0	0	0	0	239	0	0	0	0	15	618	0	0	0	0	0	631	0	0	0	0
26	Access Point #6 - Hotel from Sunset		19	0	0	34	1320	0	0	0	0	0	2383	0	29	0	0	37	2117	0	0	0	0	0	1570	0
			SBR - southbound right-turn				WBR - westbound right-turn				SBR - northbound right-turn				EBR - eastbound right-turn											
			SBT - southbound through				WBT - westbound through				SBT - northbound through				EBT - eastbound through											
			SBL - southbound left-turn				WBL - westbound left-turn				SBL - northbound left-turn				EBL - eastbound left-turn											

SBR - southbound right-turn
SBT - southbound through
SBL - southbound left-turn

WBR - westbound right-turn
WBT - westbound through
WBL - westbound left-turn

SBR - northbound right-turn
SBT - northbound through
SBL - northbound left-turn

EBR - eastbound right-turn
EBT - eastbound through
EBL - eastbound left-turn

Project Name: **1111 Sunset Boulevard**
Scenario Name: **Future with Project Conditions - No-Hotel Development Scenario**

Int	N/S Street	E/W Street	Morning Peak Hour												Afternoon Peak Hour											
			SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL
1	Echo Park Avenue	Sunset Boulevard	179	397	259	147	1,326	116	42	125	38	45	1,181	102	171	281	134	199	1,055	100	78	413	50	51	1,298	107
2	Vin Scully Avenue	Sunset Boulevard	269	0	1,167	121	1,264	0	0	0	0	0	1,290	106	212	0	669	1,021	1,029	0	0	0	0	0	1,113	277
3	Marion Avenue	Sunset Boulevard	0	0	0	0	1,356	122	68	0	18	75	2,325	0	0	0	0	1,790	91	152	0	300	69	1,642	0	
4	Beaudry Avenue	Sunset Boulevard	168	389	90	48	1,054	95	128	132	270	953	1,462	60	180	359	74	68	1,438	91	144	490	661	462	1,226	82
5	Figueroa Street	Sunset Boulevard / Cesar Chavez	64	513	56	68	967	344	253	407	206	583	939	185	55	193	62	93	1,034	146	308	959	525	283	989	144
6	Grand Avenue	Cesar Chavez Avenue	36	585	41	23	1,139	814	244	88	148	389	810	16	15	348	25	35	991	569	298	550	361	322	991	24
7	Grand Avenue	US-101 Northbound Ramps	764	1,066	0	0	0	0	0	387	445	224	0	26	557	644	1	0	0	0	1,051	734	217	0	181	
8	Beaudry Avenue	Temple Street	124	1,277	44	154	663	203	163	309	73	136	728	110	88	814	94	323	852	165	211	925	133	97	604	126
9	Grand Avenue	Temple Street	303	925	81	215	790	341	77	288	77	310	534	161	170	701	65	298	658	210	223	1,098	239	158	645	206
10	Beaudry Avenue	1st Street	287	921	431	82	869	97	120	299	104	78	918	153	320	684	155	236	1,397	120	222	917	130	57	1,042	141
11	Beaudry Avenue	2nd Street	24	880	139	58	390	84	102	404	106	273	697	44	30	702	112	96	514	172	152	1,084	126	142	473	107
12	Beaudry Avenue	SR-110 Southbound Off-ramp	119	1147	0	79	53	330	0	512	42	1	0	0	1	876	0	73	0	150	0	1383	0	121	0	36
13	Beaudry Avenue	3rd Street	501	928	0	337	1419	197	0	211	44	11	0	2	369	821	0	413	757	112	0	839	35	7	0	7
14	White Knoll & Sunset		107	0	69	18	1307	4	0	0	0	0	2519	90	90	0	96	16	2171	2	0	0	0	0	1356	130
15	Marview & White Knoll		27	0	13	2	177	0	0	0	0	0	92	11	11	0	6	16	170	1	0	0	0	0	134	21
16	White Knoll & Alpine / Access Point #2		29	0	15	8	153	2	5	0	16	2	94	18	14	0	16	14	172	5	2	0	5	11	113	24
17	Beaudry & Alpine 1 / Access Point #3		79	0	23	28	44	40	109	0	77	30	99	41	58	0	17	39	85	67	120	0	110	48	58	31
18	Beaudry & Alpine 2		0	207	76	45	0	167	55	60	0	0	0	0	0	175	62	56	0	170	121	142	0	0	0	0
19	Beaudry & Bartlett		0	428	4	4	0	202	64	115	4	0	0	0	0	362	1	2	0	153	442	294	0	0	0	0
20	Everett & Sunset		46	0	36	21	1432	0	0	0	0	0	2452	15	37	0	21	34	1876	0	0	0	0	0	1960	49
21	Access Point #1 - Sunset		39	0	15	142	1356	0	0	0	0	0	2552	41	61	0	20	225	2127	0	0	0	0	0	1751	66
22	Access Point #2 - White Knoll	<see Intersection #16>	29	0	15	8	153	2	5	0	16	2	94	18	14	0	16	14	172	5	2	0	5	11	113	24
23	Access Point #3 - Alpine	<see Intersection #17>	79	0	23	28	44	40	109	0	77	30	99	41	58	0	17	39	85	67	120	0	110	48	58	31
24	Access Point #4 - Beaudry		14	359	0	0	0	0	0	88	31	72	0	29	25	321	0	0	0	0	0	242	54	45	0	18
25	Access Point #5 - Hotel from Beaudry		1	649	0	0	0	0	0	240	0	0	0	0	4	613	0	0	0	0	0	638	0	0	0	0
26	Access Point #6 - Hotel from Sunset		7	0	0	2	1320	0	0	0	0	0	2370	0	3	0	0	8	2117	0	0	0	0	0	1546	0

SBR - southbound right-turn
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SBR - northbound right-turn
SBT - northbound through
SBL - northbound left-turn

EBR - eastbound right-turn
EBT - eastbound through
EBL - eastbound left-turn