

Noise Calculation Worksheets

Our Lady of Mt. Lebanon Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

Ambient Noise Measurements

Measured Ambient Noise Levels

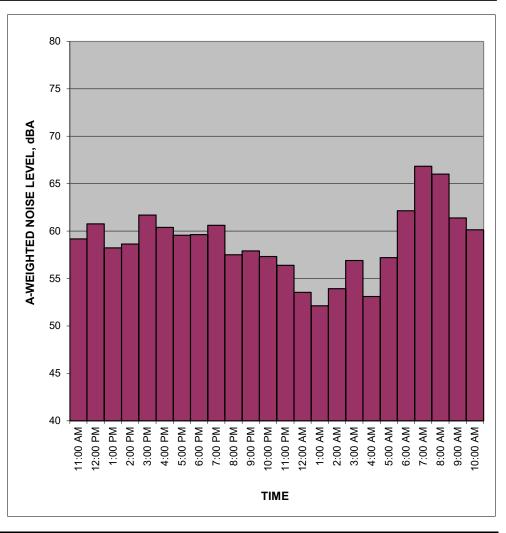


Project: Mt. Lebanon

Location: R1 Sources: Ambient

Date: 9/12/2019

	HNL,
TIME	dB(A)
11:00 AM	59.2
12:00 PM	60.8
1:00 PM	58.2
2:00 PM	58.6
3:00 PM	61.7
4:00 PM	60.4
5:00 PM	59.6
6:00 PM	59.6
7:00 PM	60.6
8:00 PM	57.5
9:00 PM	57.9
10:00 PM	57.3
11:00 PM	56.4
12:00 AM	53.5
1:00 AM	52.1
2:00 AM	53.9
3:00 AM	56.9
4:00 AM	53.1
5:00 AM	57.2
6:00 AM	62.2
7:00 AM	66.8
8:00 AM	66.0
9:00 AM	61.4
10:00 AM	60.1
CNEL, dB(A):	64.7



NOTES:

Daytime average 61.5 dBA Leq Nighttime average 57.0 dBA Leq Project: Our Lady of Mt. Lebanon

Location: R2

Date: 9/12/2019

Time Overload	Leq	Lmax	L10	L90	
10:58:13 AM No	61.6	66.6	65.4	55.5	
10:59:13 AM No	57.2	63.7	60.6	54.2	
11:00:13 AM No	62.0	67.8	66.3	55.2	
11:01:13 AM No	58.2	63.4	60.9	54.3	
11:02:13 AM No	61.7	67.3	65.8	53.6	
11:03:13 AM No	59.5	66.5	62.5	54.2	
11:04:13 AM No	64.3	76.0	66.7	56.1	
11:05:13 AM No	58.9	63.4	62.2	53.8	
11:06:13 AM No	60.8	66.3	64.8	53.0	
11:07:13 AM No	60.3	66.0	64.1	53.2	
11:08:13 AM No	62.0	67.5	65.2	55.8	
11:09:13 AM No	60.2	66.3	64.4	52.8	
11:10:13 AM No	61.4	67.5	64.7	53.9	
11:11:13 AM No	59.6	64.4	62.6	53.5	
11:12:13 AM No	62.6	70.9	66.6	52.2	

61.0

Time Overload	Leq	Lmax	L10	L90	
10:17:30 PM No	59.0	66.2	62.2	53.3	
10:18:30 PM No	58.5	70.8	61.4	52.6	
10:19:30 PM No	57.6	63.9	61.4	50.5	
10:20:30 PM No	55.2	60.8	56.8	53.6	
10:21:30 PM No	60.2	69.1	63.7	52.5	
10:22:30 PM No	56.7	63.4	60.0	53.2	
10:23:30 PM No	57.9	65.3	62.7	52.1	
10:24:30 PM No	61.5	74.5	63.1	50.5	
10:25:30 PM No	58.3	67.2	62.3	51.7	
10:26:30 PM No	56.9	69.3	60.0	51.9	
10:27:30 PM No	60.7	69.0	64.3	50.6	
10:28:30 PM No	51.4	55.7	53.2	49.4	
10:29:30 PM No	57.0	65.0	60.3	51.6	
10:30:30 PM No	55.2	63.8	59.6	49.5	
10:31:30 PM No	60.0	70.0	63.1	51.9	

58.4

Project: Our Lady of Mt. Lebanon

Location: R3

Date: 9/12/2019

Time Overlo	ad Leq	Lmax	L10	L90	
11:17:35 AM No	67.2	78.0	72.0	56.1	
11:18:35 AM No	64.6	74.6	69.1	54.5	
11:19:35 AM No	65.5	72.9	69.4	59.4	
11:20:35 AM No	59.9	69.8	62.5	53.6	
11:21:35 AM No	64.0	71.7	67.6	56.0	
11:22:35 AM No	62.5	69.1	66.3	55.4	
11:23:35 AM No	65.4	70.8	69.3	56.8	
11:24:35 AM No	60.8	66.4	64.0	55.5	
11:25:35 AM No	68.4	79.6	72.0	59.1	
11:26:35 AM No	66.6	78.4	69.0	58.7	
11:27:35 AM No	62.0	67.0	64.1	57.5	
11:28:35 AM No	62.8	68.7	66.0	54.6	
11:29:35 AM No	61.3	70.3	62.3	57.1	
11:30:35 AM No	63.1	71.6	68.8	55.0	
11:31:35 AM No	66.9	71.4	70.3	58.5	

64.8

Time Overload	Leq	Lmax	L10	L90	
10:36:10 PM No	61.2	68.7	67.1	54.3	
10:37:10 PM No	60.2	65.9	63.7	54.7	
10:38:10 PM No	60.6	67.5	64.7	53.8	
10:39:10 PM No	61.7	68.1	66.5	53.7	
10:40:10 PM No	59.3	68.8	64.1	53.2	
10:41:10 PM No	61.0	66.2	65.0	54.2	
10:42:10 PM No	63.3	70.0	67.4	52.5	
10:43:10 PM No	60.8	70.6	65.7	53.2	
10:44:10 PM No	61.5	69.2	66.8	51.1	
10:45:10 PM No	60.5	72.4	64.5	52.5	
10:46:10 PM No	55.1	63.6	59.1	48.6	
10:47:10 PM No	59.9	68.2	64.4	52.2	
10:48:10 PM No	61.7	70.0	67.8	47.9	
10:49:10 PM No	62.3	70.9	66.2	54.5	
10:50:10 PM No	62.9	71.0	67.8	52.5	

61.1

Project: Our Lady of Mt. Lebanon

Location: R4

Date: 9/12/2019

Time	Overload	Leq	Lmax	L10	L90
11:46:01 AM	No	59.6	63.8	62.4	56.2
11:47:01 AM	No	58.6	64.6	62.1	55.5
11:48:01 AM	No	57.6	62.0	59.7	53.6
11:49:01 AM	No	64.9	75.8	69.3	55.3
11:50:01 AM	No	58.4	64.5	61.7	53.3
11:51:01 AM	No	58.8	61.5	60.2	57.0
11:52:01 AM	No	60.9	69.1	63.7	56.9
11:53:01 AM	No	59.4	64.0	61.3	57.3
11:54:01 AM	No	61.8	68.7	64.8	58.5
11:55:01 AM	No	61.9	68.7	64.7	55.3
11:56:01 AM	No	60.6	65.2	63.2	57.6
11:57:01 AM	No	56.6	62.9	58.0	52.4
11:58:01 AM	No	58.8	63.9	61.7	53.9
11:59:01 AM	No	60.3	69.3	64.5	53.6
12:00:01 PM	No	58.6	64.1	62.4	52.2
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60.3

Time Ove	erload Leq	Lmax	L10	L90	
10:56:11 PM No	57.8	62.5	60.5	51.3	
10:57:11 PM No	55.2	59.9	58.0	49.4	
10:58:11 PM No	59.5	65.4	63.0	53.5	
10:59:11 PM No	58.5	64.8	63.0	51.5	
11:00:11 PM No	55.5	62.7	59.2	49.6	
11:01:11 PM No	60.3	69.7	63.7	54.6	
11:02:11 PM No	57.7	62.1	59.8	53.0	
11:03:11 PM No	56.2	61.6	58.7	50.3	
11:04:11 PM No	57.3	66.8	59.1	50.3	
11:05:11 PM No	55.0	60.5	58.5	49.3	
11:06:11 PM No	56.7	64.4	59.1	50.5	
11:07:11 PM No	58.2	65.2	61.2	53.2	
11:08:11 PM No	58.7	65.0	61.9	51.7	
11:09:11 PM No	54.3	59.2	57.2	49.7	
11:10:11 PM No	58.6	69.0	61.1	52.3	

Construction Noise & Vibration Calculations



Construction Phase: DemolitionDeconstruction of Cathedral

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	30	0
Excavator	1	81	40%	55	0
Rubber Tired Loaders	1	79	40%	80	0

3

Receptor: R1

Results:

1-hour Leq: 85.2



Construction Phase: Grading/Excavation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Grader	1	85	40%	30	0
Bore/Drill Rig	2	84	20%	55	0
Excavator	1	81	40%	80	0
Rubber Tired Loaders	1	79	40%	80	0
Air Compressor	2	78	40%	105	0
Crane (Mobile)	1	81	16%	105	0
Generator Set	1	81	50%	100	0
Other Equipment	1	85	50%	100	0

10

Receptor: R1

Results:

1-hour Leq: 87.3



Construction Phase: *Mat Foundation*

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pumps	1	81	20%	30	0
Crane (Mobile)	1	81	16%	55	0
Forklift	1	75	20%	80	0
Generator Set	1	81	50%	80	0
Pumps	1	81	20%	105	0
Pumps	1	81	20%	105	0
Pumps	1	81	20%	100	0

Receptor: R1

Results:

1-hour Leq: 81.2



Construction Phase: Foundation/Concrete

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	30	0
Crane (Mobile)	1	81	16%	55	0
Forklift	1	75	20%	80	0
Plate Compactors	1	83	20%	80	0
Pumps	1	81	20%	105	0
Air Compressor	1	78	40%	105	0
Rubber Tired Loaders	1	79	40%	100	0
Plate Compactors	1	83	20%	100	0
Plate Compactors	1	83	20%	125	0

9

Receptor: R1

Results:

1-hour Leq: 85.4



Construction Phase: Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	30	0
Crane (Mobile)	1	81	16%	55	0
Forklift	1	75	20%	80	0
Air Compressor	1	78	40%	80	0
Plate Compactors	1	83	20%	105	0
Pumps	1	81	20%	105	0
Crane (Tower)	1	81	16%	100	0
Crane (Mobile)	1	81	16%	100	0
Forklift	1	75	20%	125	0
Air Compressor	1	78	40%	125	0
Plate Compactors	1	83	20%	150	0
Pumps	1	81	20%	150	0

12

Receptor: R1

Results:

1-hour Leq: 85.4



Construction Phase: Paving/Landscaping

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Roller	1	80	20%	30	0
Paving Equipment	1	77	50%	25	0
Cement/Mortar Mixers	1	79	40%	50	0

3

Receptor: R1

Results:

1-hour Leq: 82.7



Construction Phase: DemolitionDeconstruction of Cathedral

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	65	0
Excavator	1	81	40%	65	0
Rubber Tired Loaders	1	79	40%	90	0

3

Receptor: R2

Results:

1-hour Leq: 80.0



Construction Phase: Grading/Excavation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Grader	1	85	40%	65	0
Bore/Drill Rig	2	84	20%	65	0
Excavator	1	81	40%	90	0
Rubber Tired Loaders	1	79	40%	90	0
Air Compressor	2	78	40%	115	0
Crane (Mobile)	1	81	16%	115	0
Generator Set	1	81	50%	100	0
Other Equipment	1	85	50%	100	0

10

Receptor: R2

Results:

1-hour Leq: 83.6



Construction Phase: Mat Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pumps	1	81	20%	65	0
Crane (Mobile)	1	81	16%	65	0
Forklift	1	75	20%	90	0
Generator Set	1	81	50%	90	0
Pumps	1	81	20%	115	0
Pumps	1	81	20%	115	0
Pumps	1	81	20%	100	0

Receptor: R2

Results:

1-hour Leq: 78.1



Construction Phase: Foundation/Concrete

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	65	0
Crane (Mobile)	1	81	16%	65	0
Forklift	1	75	20%	90	0
Plate Compactors	1	83	20%	90	0
Pumps	1	81	20%	115	0
Air Compressor	1	78	40%	115	0
Rubber Tired Loaders	1	79	40%	100	0
Plate Compactors	1	83	20%	100	0
Plate Compactors	1	83	20%	125	0

9

Receptor: R2

Results:

1-hour Leq: 80.8



Construction Phase: Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	65	0
Crane (Mobile)	1	81	16%	65	0
Forklift	1	75	20%	90	0
Air Compressor	1	78	40%	90	0
Plate Compactors	1	83	20%	115	0
Pumps	1	81	20%	115	0
Crane (Tower)	1	81	16%	100	0
Crane (Mobile)	1	81	16%	100	0
Forklift	1	75	20%	125	0
Air Compressor	1	78	40%	125	0
Plate Compactors	1	83	20%	150	0
Pumps	1	81	20%	150	0

12

Receptor: R2

Results:

1-hour Leq: 80.6



Construction Phase: Paving/Landscaping

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Roller	1	80	20%	65	0
Paving Equipment	1	77	50%	25	0
Cement/Mortar Mixers	1	79	40%	50	0
	Roller Paving Equipment	DescriptionEquip.Roller1Paving Equipment1	DescriptionNo. of Equip.Noise Level at 50ft, LmaxRoller180Paving Equipment177	DescriptionNo. of Equip.Noise Level at Soft, LmaxAcoustical Usage FactorRoller18020%Paving Equipment17750%	DescriptionNo. of Equip.Noise Level at 50ft, LmaxAcoustical Usage FactorDistance to Receptor, ftRoller18020%65Paving Equipment17750%25

3

Receptor: R2

Results:

1-hour Leq: 81.6



Construction Phase: DemolitionDeconstruction of Cathedral

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	175	0
Excavator	1	81	40%	175	0
Rubber Tired Loaders	1	79	40%	195	0

3

Receptor: R3

Results:

1-hour Leq: 71.6



Construction Phase: Grading/Excavation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Grader	1	85	40%	175	0
Bore/Drill Rig	2	84	20%	175	0
Excavator	1	81	40%	195	0
Rubber Tired Loaders	1	79	40%	195	0
Air Compressor	2	78	40%	215	0
Crane (Mobile)	1	81	16%	215	0
Generator Set	1	81	50%	235	0
Other Equipment	1	85	50%	235	0

10

Receptor: R3

Results:

1-hour Leq: 75.8



Construction Phase: Mat Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pumps	1	81	20%	175	0
Crane (Mobile)	1	81	16%	175	0
Forklift	1	75	20%	195	0
Generator Set	1	81	50%	195	0
Pumps	1	81	20%	215	0
Pumps	1	81	20%	215	0
Pumps	1	81	20%	235	0

Receptor: R3

Results:

1-hour Leq: 70.8



Construction Phase: Foundation/Concrete

Equipment

	No of	Reference	Assustical	Diatamas ta	Estimated
Description	No. of Equip.	Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Noise Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	175	0
Crane (Mobile)	1	81	16%	175	0
Forklift	1	75	20%	195	0
Plate Compactors	1	83	20%	195	0
Pumps	1	81	20%	215	0
Air Compressor	1	78	40%	215	0
Rubber Tired Loaders	1	79	40%	235	0
Plate Compactors	1	83	20%	235	0
Plate Compactors	1	83	20%	255	0

9

Receptor: R3

Results:

1-hour Leq: 73.1



Construction Phase: Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	175	0
Crane (Mobile)	1	81	16%	175	0
Forklift	1	75	20%	195	0
Air Compressor	1	78	40%	195	0
Plate Compactors	1	83	20%	215	0
Pumps	1	81	20%	215	0
Crane (Tower)	1	81	16%	235	0
Crane (Mobile)	1	81	16%	235	0
Forklift	1	75	20%	255	0
Air Compressor	1	78	40%	255	0
Plate Compactors	1	83	20%	275	0
Pumps	1	81	20%	275	0

12

Receptor: R3

Results:

1-hour Leq: 73.1



Construction Phase: Paving/Landscaping

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Roller	1	80	20%	175	0
Paving Equipment	1	77	50%	175	0
Cement/Mortar Mixers	1	79	40%	195	0

3

Receptor: R3

Results:

1-hour Leq: 67.6



Construction Phase: DemolitionDeconstruction of Cathedral

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	535	10
Excavator	1	81	40%	535	10
Rubber Tired Loaders	1	79	40%	555	10

3

Receptor: R4

Results:

1-hour Leq: 52.0



Construction Phase: Grading/Excavation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Grader	1	85	40%	535	10
Bore/Drill Rig	2	84	20%	535	10
Excavator	1	81	40%	555	10
Rubber Tired Loaders	1	79	40%	555	10
Air Compressor	2	78	40%	575	10
Crane (Mobile)	1	81	16%	575	10
Generator Set	1	81	50%	595	10
Other Equipment	1	85	50%	595	10

10

Receptor: R4

Results:

1-hour Leq: 56.8



Construction Phase: Mat Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pumps	1	81	20%	535	10
Crane (Mobile)	1	81	16%	535	10
Forklift	1	75	20%	555	10
Generator Set	1	81	50%	555	10
Pumps	1	81	20%	575	10
Pumps	1	81	20%	575	10
Pumps	1	81	20%	595	10

Receptor: R4

Results:

1-hour Leq: 51.8



Construction Phase: Foundation/Concrete

Equipment

	NI C	Reference	Accestical	D'atama ta	Estimated
Description	No. of Equip.	Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Noise Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	535	10
Crane (Mobile)	1	81	16%	535	10
Forklift	1	75	20%	555	10
Plate Compactors	1	83	20%	555	10
Pumps	1	81	20%	575	10
Air Compressor	1	78	40%	575	10
Rubber Tired Loaders	1	79	40%	595	10
Plate Compactors	1	83	20%	595	10
Plate Compactors	1	83	20%	615	10
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9

Receptor: R4

Results:

1-hour Leq: 54.1



Construction Phase: Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Tractors/Loaders/Backhoes	1	84	40%	535	10
Crane (Mobile)	1	81	16%	535	10
Forklift	1	75	20%	555	10
Air Compressor	1	78	40%	555	10
Plate Compactors	1	83	20%	575	10
Pumps	1	81	20%	575	10
Crane (Tower)	1	81	16%	595	10
Crane (Mobile)	1	81	16%	595	10
Forklift	1	75	20%	615	10
Air Compressor	1	78	40%	615	10
Plate Compactors	1	83	20%	635	10
Pumps	1	81	20%	635	10

12

Receptor: R4

Results:

1-hour Leq: 54.3



Construction Phase: Paving/Landscaping

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Roller	1	80	20%	535	10
Paving Equipment	1	77	50%	535	10
Cement/Mortar Mixers	1	79	40%	555	10

3

Receptor: R4

Results:

1-hour Leq: 48.1



Off-Site Construction Traffic

	· · · · · · · · · · · · · · · · · · ·						Distance to	travel lane, feet		
					120	35	45	45	30	120
	Number of	Truck One								
	Way	Trips	Worker	⁻ Trips	Est	timated Constru	ction Traffic l	Noise Levels (fro	m TNM), dB <i>A</i>	\ Leq
		Per Hour (8-		Trips during						
Phase	Per Day	hr day)	Daily Trips	Pk Hr.	Burton	Holt Ave.	3rd St.	La Cienega	Cadillac	San Vicente
1. Demolition	40	3	50	20	52.1	57.7	56.5	58.2	58.5	52.1
Grading/Excavation	136	12	60	24	57.2	62.8	61.6	64.2	63.6	57.2
Mat Foundation	696	44	60	24	62.5	68.1	66.9	69.8	68.9	62.5
Foundation/Concrete	40	3	60	24	52.3	57.9	56.7	58.4	58.7	52.3
Building Construction	128	8	350	140	57.9	63.5	62.4	64.1	64.3	57.9
6. Paving/Landscaping	10	1	20	8	47.5	53.1	52.0	54.2	53.9	47.5
6-hour haulings				Ambient, dBA	64.8	61.0	62.8	64.4	61.3	61.5
			Significance	Criteria, dBA	69.8	66.0	67.8	69.4	66.3	66.5
			Pk. Hr.	traffic volume	2743	1498	1747	2522	1242	1276
									15.4.1	
								ls plus Ambient,	•	
					Burton	Holt Ave.	3rd St.	La Cienega	Cadillac	San Vicente
1. Demolition					65.0	62.7	63.7	65.3	63.1	62.0
Grading/Excavation					65.5	65.0	65.3	67.3	65.6	62.9
Mat Foundation					66.8	68.9	68.3	70.9	69.6	65.0
Foundation/Concrete					65.0	62.7	63.8	65.4	63.2	62.0
5. Building Construction					65.6	65.4	65.6	67.3	66.1	63.1
6. Paving/Landscaping					64.9	61.7	63.1	64.8	62.0	61.7
	<u> </u>			Ambient, dBA	64.8	61.0	62.8	64.4	61.3	61.5
			Significance	Criteria, dBA	69.8	66.0	67.8	69.4	66.3	66.5
		Maximum	Noise Increase	over Ambient	2.0	7.9	5.5	6.5	8.3	3.5

Our Lady of Mt. Lebanon Project

				8 April 3	2020									
			TNM 2.5											
							Aver	age	pavement typ	e shall be ι	used unles:	Si		
Our Lady	of Mt. Lek	Mt. Lebanon Project							a State highway agency substantiates the use					
Demo Ph	ase	se							rent type with	the approv	al of FHW	4		
	Points													
Width	Name	No.	Cod	ordinates (paveme	ent)	-	Flow	Cor	itrol		Segment			
			X	Y		Z	Cont	rol	Speed	Percent	Pvmt	On		
							Devi	се	Constraint	Vehicles	Type	Struct?		
										Affected				
ft			ft	ft		ft			mph	%				
12.0	point1	1		0.0	0.0	0	.00 Sign	al	0.00	100	Average			
	point2	2	,	1 000 0	0.0	0	00							
	Demo Ph Width	Demo Phase Points Width Name ft 12.0 point1	Demo Phase Points Width Name No. ft 12.0 point1 1	Demo Phase Points Cod X	Our Lady of Mt. Lebanon Project Demo Phase Points Width Name No. Coordinates (pavement X Y) ft ft ft ft ft 12.0 point1 1 0.0	Our Lady of Mt. Lebanon Project Demo Phase Points Width Name No. Coordinates (pavement) X Y ft ft ft ft 12.0 point1 1 0.0 0.0	Our Lady of Mt. Lebanon Project Demo Phase Points Width Name No. Coordinates (pavement) X Y Z ft ft ft ft ft ft 12.0 point1 1 0.0 0.0 0.0 0	Average	TNM 2.5 Average of Average of Average of a State his period of a difference o	TNM 2.5 Average pavement typ Our Lady of Mt. Lebanon Project Demo Phase Points Width Name No. Coordinates (pavement) X Y Z Control Speed Device Constraint ft ft ft ft ft ft mph 12.0 point1 1 0.0 0.0 0.00 Signal 0.00	TNM 2.5 Average pavement type shall be used a State highway agency substant of a different type with the approximate o	TNM 2.5 Average pavement type shall be used unless a State highway agency substantiates the used unless of a different type with the approval of FHWA Points Width Name No. Coordinates (pavement) X Y Z Control Speed Percent Pvmt Device Constraint Vehicles Type Affected ft ft ft ft ft mph % 12.0 point1 1 0.0 0.0 0.00 Signal 0.00 100 Average		

INPUT: TRAFFIC FOR LAeq1h Volumes	: TRAFFIC FOR LAeq1h Volumes						Our Lady of Mt. Lebanon Project										
Eyestone Environmental				8 Apri	l 2020												
Sean Bui			TNM 2.5														
INPUT: TRAFFIC FOR LAeq1h Volumes																	
PROJECT/CONTRACT:	Our Lady o	of Mt. Leb	anon Pro	ject													
RUN:	Demo Phas	se															
Roadway	Points																
Name	Name	No.	Segmer	nt													
			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 20	35) (3	35	0	0	0)					
	point2		2														

INPUT: RECEIVERS								Our Lady	of Mt. Leba	non Proje	ct
Eyestone Environmental						8 April 202	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of I	Mt. Lebanon I	Project	1						
RUN:	Demo	Phase		,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	3	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway centerline	1	1	500.0	30.0	0.00	4.92	0.00	71	5.0	0.0	0 Y
At 35 feet from roadway centerline	10	1	500.0	35.0	0.00	4.92	0.00	66	10.0	8.0	0 Y
At 45 feet from roadway centerline	11	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0	0 Y
At 120 feet from roadway centerline	14	1	500.0	120.0	0.00	4.92	0.00	66	10.0	8.0	0 Y

RESULTS: SOUND LEVELS							Our Lady o	f Mt. Leb	anon Project			
Eyestone Environmental							8 April 202	20				
Sean Bui							TNM 2.5					
							Calculated	with TNI	M 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our Lac	dy of Mt. Le	ebanon Proje	ct							
RUN:		Demo F	hase									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unless	
								a State h	ighway agency	y substantiate	s the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	rent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	
				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 centerline	1	1	0.0	58.5	71	58.5	5		58.5	0.0	(0.
At 35 feet from roadway centerline	10	1	0.0	57.7	66	57.7	10		57.7	0.0	3	-8.
At 45 feet from roadway centerline	11	1	0.0	56.5	66	56.5	10		56.5	0.0	3	-8.
At 120 feet from roadway centerline	14	1	0.0	52.1	66	52.1	10		52.1	0.0	8	-8.
Dwelling Units		# DUs	Noise Red	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		4	0.0	0.0	0.0)						
All Impacted		0	0.0	0.0	0.0	1						

0.0

0.0

0.0

All that meet NR Goal

8 *F*

Eyestone Environmental					10 Ja	nuary 2	020					
Sean Bui					TNM	2.5						
INPUT: ROADWAYS								Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Our Lady	of Mt. Let	oanon Pr	ojec	t			a State h	ighway agend	y substant	iates the u	se
RUN:	Demo Ph	ase - La C	ienega O	nly				of a diffe	rent type with	the approv	val of FHW	A
Roadway		Points										
Name	Width	Name	No.	Cod	ordinates (pave	ment)		Flow Co	ntrol		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				

Eyestone Environmental				10 Jan	uary 202	20						
Sean Bui				TNM 2	.5	1	1	1				
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady of M	t. Leba	non Proj	ect	1							
RUN:	Demo Phase -	La Cie	nega On	ly								
Roadway	Points											
Name	Name	No.	Segmen	t								
			Autos		MTrucks	S	HTrucks	;	Buses		Motorcy	cles
			٧	S	V	S	V	S	٧	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	20	35	0	0	5	35	0	0	0	(
	point2	2										

													,	
Eyestone Environmental							10	Januar	y 2020					
Sean Bui							TN	IM 2.5						
INPUT: RECEIVERS														
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebano	n Projec	:t	'								
RUN:	Demo	Phase	e - La Ciene	ga Only										
Receiver														
Name	No.	#DUs	Coordinate	es (grou	nd)		He	eight	Input Sou	ind Levels	and C	riteria	ā	Active
			X	Y		Z	ab	ove	Existing	Impact C	riteria	l	NR	in
							Gr	round	LAeq1h	LAeq1h	Sub	'l	Goal	Calc.
			ft	ft		ft	ft		dBA	dBA	dB		dB	
Along La Cienega	10) 1	1 500	0.0	45.0)	0.00	4.92	0.00) 60	6	10.0	8	3.0 Y

		1					u. Luuy o.		110111110,000			
Eyestone Environmental							10 Januar	y 2020				
Sean Bui							TNM 2.5					
							Calculated	d with TN	M 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our La	dy of Mt. Le	ebanon Proje	et							
RUN:		Demo F	Phase - La	Cienega Only								
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unless	
								a State h	nighway agenc	y substantiate	es the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	erent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier	•		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction	
				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
Along La Cienega	10	0 1	0.0	58.2	66	58.2	10		58.2	2 0.0		3 -8
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	0.0	0.0	0.0	D						
All Impacted		C	0.0	0.0	0.0	D						
All that meet NR Goal		C	0.0	0.0	0.0	D						

Eyestone Environmental					19 90	otember 2	2020					
<u> </u>					-		2020					
Sean Bui					TNM 2	2.5						
INPUT: ROADWAYS								Average	_ pavement typ	e shall be ι	used unles	S
PROJECT/CONTRACT:	Our Lady	of Mt. Lel	oanon Pr	ojec	t			a State h	ighway agenc	y substant	iates the us	se
RUN:	Grading							of a diffe	rent type with	the approv	al of FHW	A
Roadway		Points										
Name	Width	Name	No.	Coc	ordinates (paver	nent)		Flow Cor	itrol		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	
		H	_						1			1

Eyestone Environmental				18 Sep	otember :	2020						
Sean Bui				TNM 2	.5			1				
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady of M	lt. Leba	non Proj	ect	1							
RUN:	Grading											
Roadway	Points											
Name	Name	No.	Segmen	ıt								
			Autos		MTruck	S	HTrucks	; ;	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1	24	35	C	0	12	35	0	0	0	
	point2	2	2									

INPUT: RECEIVERS								Our Lady	of Mt. Lebar	non Proj	ect
Eyestone Environmental						18 Septer	mber 2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon F	Project	ı						
RUN:	Grad	ing									
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			V	V	7	a b a	Carlotinos			ND	!

			J									
Name	No.	#DUs	Coordinate	s (ground)			Height	Input Sou	nd Levels a	and Criteria	a	Active
			X	Υ	Z	<u>z</u>	above	Existing	Impact Cr	iteria	NR	in
							Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	t	ft	dBA	dBA	dB	dB	
At 30 feet from roadway centerline	1	1	500	.0 30	.0	0.00	4.92	0.00	71	5.0	0.0	Y
At 35 feet from roadway centerline	10	1	500	.0 35	.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 45 feet from roadway centerline	11	1	500	.0 45	.0	0.00	4.92	0.00	66	10.0	8.0	Y
At 120 feet from roadway centerline	14	1	500	.0 120	.0	0.00	4.92	0.00	66	10.0	8.0	Y

							,, c.					
Eyestone Environmental							18 Septen	nber 2020				
Sean Bui							TNM 2.5					
							Calculate	d with TN	M 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our La	dy of Mt. Le	ebanon Proje	ct							
RUN:		Gradin	g									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	e shall be use	d unless	
								a State h	nighway agenc	y substantiate	es the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	erent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier	,		
			LAeq1h	LAeq1h		Increase over	existing	Type	Calculated	Noise Reduc	tion	
				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 centerline	1	1	0.0	63.6	71	63.6	5 5		63.6	0.0) (0.
At 35 feet from roadway centerline	10	1	0.0	62.8	66	62.8	10		62.8	0.0)	-8.
At 45 feet from roadway centerline	11	1	0.0	61.6	66	61.6	10		61.6	0.0) (-8.
At 120 feet from roadway centerline	14	1	0.0	57.2	66	57.2	10		57.2	0.0)	-8.
Dwelling Units		# DUs	Noise Red	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		4	0.0	0.0	0.0)						
All Impacted		C	0.0	0.0	0.0)						
All that meet NR Goal		1	0.0	0.0	0.0)						

INPUT: ROADWAYS

Eventone Environmental					40 C	antamb	~ 204	20				
Eyestone Environmental						eptemb	er zu	20				
Sean Bui					TNM	1 2.5						
INPUT: ROADWAYS								Average	pavement typ	e shall be ι	used unles	Si
PROJECT/CONTRACT:	Our Lady	of Mt. Lek	oanon Pr	ojec	t			a State h	ighway agenc	y substant	iates the us	se
RUN:	Grading I	Phase - La	Cienega	On	ly			of a diffe	rent type with	the approv	al of FHW	A
Roadway		Points										
Name	Width	Name	No.	Cod	ordinates (pav	ement)		Flow Cor	ntrol		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						Oı	ur Lady o	f Mt. Le	banon P	roject		
Eyestone Environmental				18 Sep	∣ otember :	2020						
Sean Bui				TNM 2	.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady o	f Mt. Leba	non Proj	ject	1							
RUN:	Grading Ph	nase - La (Cienega (Only								
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	s	HTrucks	•	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1		1 24	35	C	0	23	35	0	0	0	
	point2	2	2									

INPUT: RECEIVERS								(Our Lady o	f Mt. Leban	on Proje	ct
Eyestone Environmental							18 Septen	nber 2020				
Sean Bui							TNM 2.5					
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project								
RUN:	Grad	ing Pha	se - La Ciene	ga Only								
Receiver												
Name	No.	#DUs	Coordinates	(ground)			Height	Input Sou	nd Levels a	and Criteria	ā	Active
			X	Υ	Z		above	Existing	Impact Cr	iteria	NR	in
							Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft		ft	dBA	dBA	dB	dB	
Along La Cienega	10) 1	500.0	45	0	0.00	4.92	0.00	66	10.0	8	.0 Y

		1					Ju. Luuy O	2000				
Eyestone Environmental							18 Septer	nber 2020	•			
Sean Bui							TNM 2.5					
							Calculate	d with TN	M 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our La	dy of Mt. Le	ebanon Proje	ct							
RUN:		Gradin	g Phase - L	a Cienega Or	nly							
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unless	
								a State h	nighway agenc	y substantiat	es the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	erent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier	•		
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction	
				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
Along La Cienega	10	0 1	0.0	64.2	6	6 64.2	2 10)	64.2	2 0.0)	8 -8
Dwelling Units		# DUs	Noise Re	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	0.0	0.0	0.	0						
All Impacted		C	0.0	0.0	0.	0						
All that meet NR Goal		C	0.0	0.0	0.	0						

KUN.	IVIAL FOUI	iualion Pi	iase				oi a uiiie	rent type with	ille approv	al OI FITW	-\
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	ntrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	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	П					(Our Lady	of Mt. L	ebanon	Project		
Eyestone Environmental				8 Apri	l 2020							
Sean Bui				TNM 2	2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady o	of Mt. Leb	anon Pro	ject								
RUN:	Mat Found	ation Pha	se									
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	3	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1		1 24	35	, c) () 44	35	0	0	C)
	point2		2									

INPUT: RECEIVERS								Our Lady	of Mt. Leba	non Proje	ct
Eyestone Environmental						8 April 202	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project	1						
RUN:	Mat F	oundat	ion Phase	,							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway centerline	1	1	500.0	30.0	0.00	4.92	0.00	71	5.0	0.0) Y
At 35 feet from roadway centerline	10	1	500.0	35.0	0.00	4.92	0.00	66	10.0	8.0) Y
At 45 feet from roadway centerline	11	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0) Y
At 120 feet from roadway centerline	14	1	500.0	120.0	0.00	4.92	0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS							Our Lady	of Mt. Leba	non Project				
Eyestone Environmental							8 April 20	20					
Sean Bui							TNM 2.5						
							Calculate	d with TNN	1 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Our La	dy of Mt. L	ebanon Proj	ect								
RUN:		Mat Fo	undation P	hase									
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unles	s	
								a State hi	ghway agenc	y substantiat	es the u	se	
ATMOSPHERICS:		68 deg	F, 50% RH	ł					ent type with				
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase ove	r existing	Туре	Calculated	Noise Redu	ction	-	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ated
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
At 30 feet from roadway centerline	1	1 1	1 0.0	68	9	71 68.9	9 5		68.9	0.0)	0	0.0
At 35 feet from roadway centerline	10) ^	1 0.0	68	1	66 68.	1 10	Snd Lvl	68.1	0.0)	8	-8.0
At 45 feet from roadway centerline	11	1 .	1 0.0	66	9	66.9	9 10	Snd Lvl	66.9	0.0)	8	-8.0
At 120 feet from roadway centerline	14	1 '	1 0.0	62	5	66 62.	5 10		62.5	0.0)	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
				T									

0.0

0.0

0.0

0.0

0.0

All Impacted

All that meet NR Goal

INPUT: ROADWAYS

Eyestone Environmental					10 Janua	ary 2020					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS				Average pavement type							Si
PROJECT/CONTRACT:	Our Lady	of Mt. Lek	oanon Pr	ojec	y substant	iates the u	se				
RUN:	Mat Four	dation Ph	ase - La	Cien	ega Only		of a dif	ferent type with	the approv	al of FHW	A
Roadway		Points									
Name	Width	Name	No.	Cod	ordinates (paveme	ent)	Flow C	ontrol		Segment	
				X	Υ	Z	Contro	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	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						Oı	ur Lady o	of Mt. Le	banon P	roject		
Eyestone Environmental		10 January 2020										
Sean Bui				TNM 2	.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady of	Mt. Leb	anon Pro	ject	1							
RUN:	Mat Foundation Phase - La Cienega Only											
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	5	Buses		Motorcy	ycles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1		1 24	35	C	0	87	35	0	C) ()
	point2		2									

INPUT: RECEIVERS								(Our Lady o	f Mt. Leban	on Projec	t
Eyestone Environmental							10 Januar	y 2020				
Sean Bui							TNM 2.5					
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project								
RUN:	Mat F	oundat	tion Phase - L	a Cienega C	Only	y						
Receiver												
Name	No.	#DUs	Coordinates	(ground)			Height	Input Sou	nd Levels a	and Criteria	a	Active
			X	Υ	[2	Z	above	Existing	Impact Cri	iteria	NR	in
							Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	1	ft	ft	dBA	dBA	dB	dB	
Along La Cienega	10) 1	500.0	45	.0	0.00	4.92	0.00	66	10.0	8.0) Y

							on Lady of					
Eyestone Environmental							10 Januar	y 2020				
Sean Bui							TNM 2.5					
							Calculate	d with TNN	VI 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our La	dy of Mt. Le	ebanon Proje	ct							
RUN:		Mat For	undation Pl	hase - La Cie	nega Onl	у						
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unless	
								a State hi	ighway agenc	y substantiate	es the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	rent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion	
				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
Along La Cienega	10) 1	0.0	69.8	(69.8	10	Snd Lvl	69.8	0.0)	8 -8
Dwelling Units		# DUs	Noise Red	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	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						

Eyestone Environmental					8 April 20	20						
Sean Bui					TNM 2.5							
INPUT: ROADWAYS								Average	pavement typ	 e shall be ι	used unles	S
PROJECT/CONTRACT:	Our Lady	of Mt. Le	banon Pr	oject				-	ighway agend			
RUN:	Foundati	on Phase						of a diffe	rent type with	the approv	al of FHW	A
Roadway		Points										
Name	Width	Name	No.	Coordinate	s (pavemen	t)		Flow Cor	itrol		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	П					C	Our Lady	of Mt. L	ebanon	Project		
Eyestone Environmental				8 Apri	2020							
Sean Bui				TNM 2	.5		I					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady o	of Mt. Leb	anon Pro	ject								
RUN:	Foundation	n Phase										
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	;	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1		1 24	35	C) () 3	35	0	0	0	
	point2		2									

INPUT: RECEIVERS								Our Lady	of Mt. Leba	non Proje	ct
Eyestone Environmental						8 April 202	20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project	'						
RUN:	Found	dation I	Phase								
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels a	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	_
At 30 feet from roadway centerline	1	1	500.0	30.0	0.00	4.92	0.00	71	5.0	0.0) Y
At 35 feet from roadway centerline	10	1	500.0	35.0	0.00	4.92	0.00	66	10.0	8.0) Y
				+	+	+	<u> </u>	 	+	+	+
At 45 feet from roadway centerline	11	1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS							Our Lady o	of Mt. Leba	anon Project			
Eyestone Environmental							8 April 202	 20				
Sean Bui							TNM 2.5					
							Calculated	d with TNI	VI 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our La	dy of Mt. Le	banon Proje	ct							
RUN:		Founda	ition Phase	•								
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unless	
								a State h	ighway agenc	y substantiate	es the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	rent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	ction	
				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 centerline	1	1	0.0	58.7	71	58.7	5		58.7	0.0)	0.
At 35 feet from roadway centerline	10	1	0.0	57.9	66	57.9	10		57.9	0.0)	-8.
At 45 feet from roadway centerline	11	1	0.0	56.7	66	56.7	10		56.7	0.0)	-8.
At 120 feet from roadway centerline	14	1	0.0	52.3	66	52.3	10		52.3	0.0)	8 -8.
Dwelling Units		# DUs	Noise Red	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		4	0.0	0.0	0.0)						

0.0

0.0

All that meet NR Goal

8 *F*

INPUT: ROADWAYS

Our Lady of Mt. Lebanon Project

IN OI. NOADWATO							Oui L	Ludy Of Mit. Lo	banon i ioj		
Eyestone Environmental					10 January 2	2020					
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	Si
PROJECT/CONTRACT:	Our Lady	of Mt. Le	ebanon Pr	oject			a State h	ighway agend	y substant	iates the u	se
RUN:	Foundati	on Phase	e - La Cien	ega Only			of a diffe	rent type with	the approv	val of FHW	A
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	ntrol		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						Oı	ur Lady c	of Mt. Lo	ebanon P	roject		T
Eyestone Environmental				10 Jar	uary 202	20						
Sean Bui				TNM 2	.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady o	of Mt. Leba	anon Pro	ject	1							
RUN:	Foundation	n Phase -	La Ciene	ga Only	•							
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	5	Buses		Motorcy	/cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1		1 24	35	C	0	5	35	5 C	0) ()
	point2	2	2									

INPUT: RECEIVERS								Our Lady o	f Mt. Leban	on Projec	t
Eyestone Environmental						10 Januar	y 2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project							
RUN:	Foun	dation I	Phase - La Cie	enega Only							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels a	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along La Cienega	10	0 1	500.0	45.0	0.00	4.92	0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS

REGGET G. GGGRE EEVEEG							Our Ludy or	IIIC LODG	11011 1 10,000				
Eyestone Environmental							10 Januar	y 2020					
Sean Bui							TNM 2.5						
							Calculated	d with TN	M 2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Our La	dy of Mt. Le	ebanon Proje	ct								
RUN:		Founda	ation Phase	e - La Cienega	Only								
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	d unles	S	
								a State h	ighway agend	y substantiate	es the us	se	
ATMOSPHERICS:		68 deg	F, 50% RH	ĺ				of a diffe	rent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrie	•			
			LAeq1h	LAeq1h		Increase ove	er existing	Туре	Calculated	Noise Reduc	ction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculat	ed
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Along La Cienega	10) 1	0.0	58.4	6	6 58.	.4 10		58.4	4 0.0)	8	-8.0
Dwelling Units		# DUs	Noise Re	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		1	0.0	0.0	0.	0							
All Impacted		C	0.0	0.0	0.	0							
All that meet NR Goal		C	0.0	0.0	0.	0							

Eyestone Environmental					8 April 2020						
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	Si
PROJECT/CONTRACT:	Our Lady	of Mt. Le	banon Pr	oject			_	ighway agend			
RUN:	Building	Construct	tion Phas	е			of a diffe	rent type with	the approv	al of FHW	4
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Co	ntrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.0	0 Signal	0.00	100	Average	
		point2	2	1,000.0	0.0	0.0	^				

INPUT: TRAFFIC FOR LAeq1h Volumes							Our Lady	of Mt. L	.ebanon	Project	1	
Eyestone Environmental				8 Apri	l 2020							
Sean Bui				TNM 2	5		ı					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady o	of Mt. Leb	anon Pro	ject								
RUN:	Building C	onstructi	on Phase									
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	s	HTruck	s	Buses		Motorc	ycles
			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		1 140	35) () (35		0 0) /	0
	point2		2									

INPUT: RECEIVERS								Our Lady	of Mt. Leba	non Proje	ct
Eyestone Environmental						8 April 20)20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project	1						
RUN:	Buildi	ng Cor	nstruction Pha	ase							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway centerline	1	1	500.0	30.0	0.00	4.9	2 0.00	71	5.0	0.0	Y
At 35 feet from roadway centerline	10	1	500.0	35.0	0.00	4.9	2 0.00	66	10.0	8.0	Υ
At 45 feet from roadway centerline	11	1	500.0	45.0	0.00	4.9	2 0.00	66	10.0	8.0	Υ
At 120 feet from roadway centerline	14	1	500.0	120.0	0.00	4.9	2 0.00	66	10.0	8.0	Υ

RESULTS: SOUND LEVELS								(Our Lady o	f Mt	Leba	non Proje	ect				
Eyestone Environmental									8 April 202	20							
Sean Bui									TNM 2.5								
									Calculated	l wit	h TNM	2.5					
RESULTS: SOUND LEVELS																	
PROJECT/CONTRACT:		Our La	dy of Mt. I	_eba	anon Proje	ct											
RUN:		Buildin	g Constru	ıctio	on Phase												
BARRIER DESIGN:		INPUT	HEIGHTS	;						Ave	rage p	avement	type	shall be use	d unless		
										a St	ate hig	jhway ag	ency	substantiate	s the use		
ATMOSPHERICS:		68 deg	F, 50% R	Н						of a	differ	ent type v	with	approval of F	HWA.		
Receiver																	
Name	No.	#DUs	Existing	N	lo Barrier							With Ba	rier				
			LAeq1h	L	Aeq1h			Increase over	existing	Тур	е	Calculat	ed	Noise Reduc	tion		
				C	alculated	Crit'n	1	Calculated	Crit'n	lmp	act	LAeq1h		Calculated	Goal	Calcu	lated
									Sub'l Inc							minus	8
																Goal	
			dBA	dE	BA	dBA	1	dB	dB			dBA		dB	dB	dB	
At 30 feet from roadway centerline	1	1	0.	0	64.3	7	71	64.3	5				64.3	0.0		0	0.0
At 35 feet from roadway centerline	10	1	0.	0	63.5	6	6	63.5	10				63.5	0.0		3	-8.0
At 45 feet from roadway centerline	11	1	0.	0	62.4	6	66	62.4	10				62.4	0.0		3	-8.0
At 120 feet from roadway centerline	14	. 1	0.	0	57.9	6	6	57.9	10				57.9	0.0		8	-8.0
Dwelling Units		# DUs	Noise R	edu	ıction		T										
			Min	Α	Avg	Max											
			dB	d	iB	dB											
			u.D	٠.		~_	- 1										
All Selected		4			0.0		.0										

0.0

0.0

0.0

0.0

0.0

All Impacted

All that meet NR Goal

8 *F*

1

INPUT: ROADWAYS

Our Lady of Mt. Lebanon Project

		rr-	_	_			_						-
Eyestone Environmental						10 January	20	120					
•						_							
Sean Bui						TNM 2.5							
INPUT: ROADWAYS									Average	oavement typ	e shall be ι	used unles	Si
PROJECT/CONTRACT:	Our Lady	of Mt. Le	banon Pr	oject					a State hi	ghway agenc	y substanti	iates the u	se
RUN:	Building	ilding Construction - La Cienega Only							of a differ	ent type with	the approv	al of FHW	A
Roadway		Points											
Name	Width	Name	No.	Cool	rdinates	(pavement)	_		Flow Con	trol		Segment	
				X		Υ	7	Z	Control	Speed	Percent	Pvmt	On
									Device	Constraint	Vehicles	Туре	Struct?
											Affected		
	ft			ft		ft	f	ft		mph	%		
Haul Route	12.0	point1	1		0.0	0.	0	0.00	Signal	0.00	100	Average	
		point2	2	2	1,000.0	0.	0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes						Oı	ur Lady o	of Mt. Le	banon P	roject		
Eyestone Environmental				10 Jan	│ luary 202	20						
Sean Bui				TNM 2	.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady of I	Mt. Leb	anon Proj	ect								
RUN:	Building Con	structio	on - La Ci	enega (Only							
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	5	Buses		Motorcy	cles
			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		1 140	35	C	0	16	35	0	0	C) (
	point2		2									

INPUT: RECEIVERS								(Our Lady o	f Mt. Leban	on Projec	t
yestone Environmental							10 Januar	y 2020				
Sean Bui							TNM 2.5					
INPUT: RECEIVERS												
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project								
RUN:	Building Construction - La Cienega Only											
Receiver												
Name	No.	#DUs	Coordinates	(ground)			Height	Input Sou	nd Levels a	and Criteria	1	Active
			X	Υ	Z		above	Existing	Impact Cr	iteria	NR	in
							Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft		ft	dBA	dBA	dB	dB	
Along La Cienega	10	0 1	500.0	45.	0	0.00	4.92	0.00	66	10.0	8.0) Y

Our Lady of Mt. Lebanon Project

Eyestone Environmental								10 Januar	y 2020					
Sean Bui								TNM 2.5						
								Calculated	d with TN	M 2.5				
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:		Our La	dy of Mt. Le	ebanon Proj	ect									
RUN:		Buildin	g Construc	tion - La Cie	nega O	nly								
BARRIER DESIGN:		INPUT	HEIGHTS						Average	pavement typ	e shall be use	ed unless		
									a State h	nighway agenc	y substantiat	es the use	•	
ATMOSPHERICS:		68 deg	F, 50% RH						of a diffe	erent type with	approval of F	HWA.		
Receiver														
Name	No.	#DUs	Existing	No Barrier						With Barrier	•			
			LAeq1h	LAeq1h			Increase over	existing	Туре	Calculated	Noise Reduc	ction		
				Calculated	Crit'n		Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcu	ulated
								Sub'l Inc					minu	s
													Goal	
			dBA	dBA	dBA		dB	dB		dBA	dB	dB	dB	
Along La Cienega	10) 1	0.0	64.	1	66	64.1	10		64.	1 0.0	D	8	-8
Dwelling Units		# DUs	Noise Re	duction										
			Min	Avg	Max									
			dB	dB	dB									
All Selected		1	0.0	0.	0	0.0								
All Impacted		0	0.0	0.	0	0.0								
All that meet NR Goal		C	0.0	0.	0	0.0								

Our Lady of Mt. Lebanon Project

F					0.4. "						
Eyestone Environmental					8 April 2020						
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Our Lady	of Mt. Le	banon Pr	oject			_	ighway agend			
RUN:	Paving/L	andscape	•				of a diffe	erent type with	the approv	val of FHW	A
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Co	ntrol		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.		.00				

INPUT: TRAFFIC FOR LAeq1h Volumes	П					(Our Lady	of Mt. L	ebanon	Project		
Eyestone Environmental				8 Apri	l 2020							
Sean Bui				TNM 2	2.5		I					
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady o	of Mt. Leb	anon Pro	ject	'							
RUN:	Paving/Lar	ndscape										
Roadway	Points											
Name	Name	No.	Segme	nt								
			Autos		MTruck	S	HTrucks	5	Buses		Motorcy	cles
			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 8	35	5 () (0 1	35	C	0	0) (
	point2		2									

INPUT: RECEIVERS								Our Lady	of Mt. Leba	anon Proje	ct
Eyestone Environmental						8 April 20)20				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project	1						
RUN:	Pavin	g/Land	scape								
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
At 30 feet from roadway centerline	1	1	500.0	30.0	0.00	4.9	2 0.00	71	5.0	0.0) Y
At 35 feet from roadway centerline	10	1	500.0	35.0	0.00	4.9	2 0.00	66	10.0	8.0) Y
At 45 feet from roadway centerline	11	1	500.0	45.0	0.00	4.9	2 0.00	66	10.0	8.0) Y
At 120 feet from roadway centerline	14	1	500.0	120.0	0.00	4.9	2 0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS							Our Lady o	f Mt. Leb	anon Project			
Eyestone Environmental							8 April 202	20				
Sean Bui							TNM 2.5					
							Calculated	l with TNI	M 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our La	dy of Mt. Le	banon Proje	ct							
RUN:		Paving	Landscape)								
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement type	shall be use	d unless	
								a State h	ighway agency	y substantiate	s the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	rent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	existing	Type	Calculated	Noise Reduc	tion	
				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 centerline	1	1	0.0	53.9	71	53.9	5		53.9	0.0	(0.
At 35 feet from roadway centerline	10	1	0.0	53.1	66	53.1	10		53.1	0.0	3	-8.
At 45 feet from roadway centerline	11	1	0.0	52.0	66	52.0	10		52.0	0.0	3	-8.
At 120 feet from roadway centerline	14	1	0.0	47.5	66	47.5	10		47.5	0.0	8	-8.
Dwelling Units		# DUs	Noise Red	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		4	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0	-						

0.0

0.0

0.0

All that meet NR Goal

8 *F*

1

INPUT: ROADWAYS

Our Lady of Mt. Lebanon Project

Eyestone Environmental					10 Janua	ry 2020)				
Sean Bui					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Our Lady	of Mt. Lel	oanon Pr	ojec	t		a State h	ighway agend	y substant	iates the u	se
RUN:	Paving/L	andscape	- La Cier	nega	Only		of a diffe	rent type with	the approv	val of FHW	A
Roadway		Points									
Name	Width	Name	No.	Co	ordinates (pavemer	nt)	Flow Cor	ntrol		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	2	1,000.0	0.0	0.00				

INPUT: TRAFFIC FOR LAeq1h Volumes						O	ur Lady o	f Mt. Le	ebanon P	roject		
Eyestone Environmental				10 Jar	uary 202	20						
Sean Bui				TNM 2	.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Our Lady of I	Mt. Leb	anon Pro	ject								
RUN:	Paving/Lands	Paving/Landscape - La Cienega Only										
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	s	HTrucks	•	Buses		Motorcy	cles
			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 8	35	C	C) 2	35	0	0	0	
	point2		2									

INPUT: RECEIVERS								Our Lady o	f Mt. Leban	on Projec	t
Eyestone Environmental						10 Januar	y 2020				
Sean Bui						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Our L	ady of	Mt. Lebanon I	Project	'						
RUN:	Pavir	ng/Land	scape - La Ci	enega Only							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sou	nd Levels a	and Criteria	a	Active
			X	Υ	Z	above	Existing	Impact Cr	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Along La Cienega	1	0 1	500.0	45.0	0.0	0 4.92	0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS

Our Lady of Mt. Lebanon Project

									-			
Eyestone Environmental							10 Januai	y 2020				
Sean Bui							TNM 2.5					
							Calculate	d with TN	M 2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Our La	dy of Mt. Le	ebanon Proje	ct							
RUN:		Paving	/Landscape	e - La Cienega	a Only							
BARRIER DESIGN:		INPUT	HEIGHTS					Average	pavement typ	e shall be use	ed unless	
								a State h	nighway agenc	y substantiat	es the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	erent type with	approval of F	HWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier	•		
			LAeq1h	LAeq1h		Increase over	r existing	Туре	Calculated	Noise Reduc	ction	
				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
Along La Cienega	10) 1	0.0	54.2	2	54.2	2 10)	54.2	0.0) (3 -8
Dwelling Units		# DUs	Noise Re	duction								
_			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	0.0	0.0	0 0	0.0						
All Impacted		C	0.0	0.0) C	.0						
All that meet NR Goal		C	0.0	0.0) (.0						



Project: Our Lady of Mt. Lebanon 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: Construction Equipment Vibration Levels (PPV) - Building Damages

		Estimated Vibration Levels at nearest off-site building structures (distance in feet), PPV												
	Reference Vibration Levels at 25	11-story Residential Bldg to the North	5-story Residential Bldg to the South	3-story Parking Structure to the East	5-story Residential Bldg to the West									
Equipment	ft., PPV	30	175	100	65									
Large Bulldozer	0.089	0.068	0.005	0.011	0.021									
Caisson Drilling	0.089	0.068	0.005	0.011	0.021									
Loaded Trucks	0.076	0.058	0.004	0.010	0.018									
Jackhammer	0.035	0.027	0.002	0.004	0.008									
Small bulldozer	0.003	0.002	0.000	0.000	0.001									
Significance T	hreshold, PPV	0.5	0.3	0.5	0.3			·						

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

	Reference Vibration	Esti	Estimated Vibration Levels at Off-Site Receptors (at note distance in feet), VdB									
	Levels at 25	R1	R2	R3	R4							
Equipment	ft., VdB	30	65	175	535							
Large Bulldozer	87	85	75	62	47							
Caisson Drilling	87	85	75	62	47							
Loaded Trucks	86	84	74	61	46							
Jackhammer	79	77	67	54	39							
Small bulldozer	58	56	46	33	18							
Significance	Threshold, VdB	72	72	72	72							

OFF-SITE CONSTRUCTION HAUL TRUCKS

Table 3: Off-Site Haul Trucks - Building Damage

	Reference Vibration		Estima	ted Vibration I	evels at noted	l distance in fe	et, PPV	
Equipment	Levels at 50 ft., PPV	20						
Typical road surface	0.00565	0.022						
Significance T	hreshold, PPV	0.12						

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

Table 4: Off-Site Haul Trucks - Human Annoyance

Tubic 4. Off Site Haar Hacks II	aa <i>,</i> , a.								
Reference Vibration		Estimated Vibration Levels at noted distance in feet, VdB							
Equipment	Levels at 50 ft., VdB	20	25	35					
Typical road surface	63	75	72	68					
Significance T	hreshold, VdB	72	72	72					

Ref. Levels based on FTA Figure 7-3

Operation Noise Calculations



Project Composite Noise Calculations (CNEL)

Project: Our Lady of Mt. Lebanon Project

						Project	Ambient +	
Receptor	Ambient	Traffic ^a	Mechanical	Loading	Outdoor	Composite	Project	Increase
R1	64.7	31.6	53.5	53.7	50.9	57.7	65.5	0.8
R1U	64.7	35.8	55.8	61.2	61.5	64.9	67.8	3.1
R2	63.7	39.7	53.2	28.1	49.9	55.0	64.3	0.6
R2U	63.7	38.9	53.6	27.7	63.3	63.8	66.8	3.1
R3	66.8	43.8	52.0	29.4	59.3	60.2	67.6	0.8
R3U	66.8	40.4	53.0	29.1	59.1	60.1	67.6	0.8
R4	62.9	35.8	38.9	19.3	36.2	42.0	63.0	0.1

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

U - Represents upper levels.

		Traffic Noise Levels, CNEL			Project		distance to		
				Project	distance to	Only at		Center	adj. for
Receptor	Roadway Segment			Only	roadway, ft	10ft	barrier	Line	distance
R1	Burton Way			31.6	160	43.8	5	35	-7.2
R1U	Burton Way			35.8	194	43.8	0	35	-8.0
R2	Burton Way			39.7	65	43.8	0	35	-4.1
R2U	Burton Way			38.9	82	43.8	0	35	-4.9
R3	Burton Way			43.8	10	43.8	0	35	0.0
R3U	Burton Way			40.4	51	43.8	0	35	-3.4
R4	La Cienega	·		35.8	140	42.5	0	35	-6.7

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

						Project	Ambient +	
Receptor	Ambient	Traffic	Mechanical	Loading	Outdoor	Composite	Project	Increase
R1	64.7	35.8	55.8	61.2	61.5	64.9	67.8	3.1
R2	63.7	38.9	53.6	27.7	63.3	63.8	66.8	3.1
R3	66.8	43.8	52.0	29.4	59.3	60.2	67.6	0.8
R4	62.9	35.8	38.9	19.3	36.2	42.0	63.0	0.1



Outdoor Mechanical Equipment Noise Calculations Project: Our Lady of Mt. Lebanon Project

Project:

Hours of Operations

	Estimated Nois	se Levels, Leq	Ld (7am to	Le (7pm to	Ln (10pm to		
	from SOL	INDPLAN	7pm)	10pm)	7am)		
Receptor	Leq	CNEL	12	3	9		
R1	46.8	53.5	46.8	46.8	46.8		
R1U	49.1	55.8	49.1	49.1	49.1		
R2	46.5	53.2	46.5	46.5	46.5		
R2U	46.9	53.6	46.9	46.9	46.9		
R3	45.3	52.0	45.3	45.3	45.3		
R3U	46.3	53.0	46.3	46.3	46.3		
R4	32.2	38.9	32.2	32.2	32.2		

		Ambient +			
	Ambient	Project	Increase	ambient	Ambient +
Receptor	CNEL	(CNEL)	(CNEL)	(Leq)	Project (Leq)
R1	64.7	65.0	0.3	57.0	57.4
R1U	64.7	65.2	0.5	57.0	57.7
R2	63.7	64.1	0.4	58.4	58.7
R2U	63.7	64.1	0.4	58.4	58.7
R3	66.8	66.9	0.1	61.1	61.2
R3U	66.8	67.0	0.2	61.1	61.2
R4	62.9	63.0	0.0	57.6	57.6



Loading and Trash Compactor Noise Calculations

Project: Our Lady of Mt. Lebanon Project

LOADING

	Estimated Levels, Le SOUND	eq from	Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	1	1	0
R1	61.1	53.5	50.3	56.3	0.0
R1U	68.8	61.2	58.0	64.0	0.0
R2	35.6	28.0	24.8	30.8	0.0
R2U	35.1	27.5	24.3	30.3	0.0
R3	37.0	29.4	26.2	32.2	0.0
R3U	36.7	29.1	25.9	31.9	0.0
R4	26.5	19.1	15.7	21.7	0.0

TRASH COMPACTOR

	Estimated Levels, Le SOUND	eq from	Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	3	3	0
R1	44.1	41.3	38.1	44.1	0.0
R1U	36.1	33.3	30.1	36.1	0.0
R2	14.7	12.8	8.7	14.7	0.0
R2U	14.7	12.8	8.7	14.7	0.0
R3	0.3	6.3	-5.7	0.3	0.0
R3U	0.6	6.4	-5.4	0.6	0.0
R4	-8.0	5.8	-14.0	-8.0	0.0

			Ambient +				Ambient +
	Project	Ambient	Project	Increase	Project		Project
Receptor	CNEL	CNEL	(CNEL)	(CNEL)	Noise, (Leq)	Ambient (Leq)	(Leq)
R1	53.7	64.7	65.0	0.3	61.2	61.5	64.4
R1U	61.2	64.7	66.3	1.6	68.8	61.5	69.5
R2	28.1	63.7	63.7	0.0	35.6	61.0	61.0
R2U	27.7	63.7	63.7	0.0	35.1	61.0	61.0
R3	29.4	66.8	66.8	0.0	37.0	64.8	64.8
R3U	29.1	66.8	66.8	0.0	36.7	64.8	64.8
R4	19.3	62.9	62.9	0.0	26.5	60.3	60.3

Receptor	Ambient	Project	Amb+Project	Criteria	Exceedance
R1	61.5	68.8	69.5	66.5	3.0
R2	61.0	35.6	61.0	66.0	0.0
R3	64.8	37.0	64.8	69.8	0.0
R4	60.3	26.5	60.3	65.3	0.0



Outdoor Noise Calculations

Project: Our Lady of Mt. Lebanon Project

ALL LEVEL Hours of Operations

					Ld (7am to	Le (7pm to	Ln (10pm to
	Estimated no	oise levels, Leq	(FROM SOUN	DPLAN)	7pm)	10pm)	7am)
Receptor	Sound System	Occupants	Total, Leq	CNEL	12	2	2
R1	45.4	46.4	48.9	50.9	48.9	47.1	42.4
R1U	57.6	55.0	59.5	61.5	59.5	57.7	53.0
R2	46.4	42.5	47.9	49.9	47.9	46.1	41.4
R2U	60.6	53.3	61.3	63.3	61.3	59.5	54.8
R3	55.2	53.1	57.3	59.3	57.3	55.5	50.8
R3U	54.2	53.9	57.1	59.1	57.1	55.3	50.6
R4	32.3	29.8	34.2	36.2	34.2	32.4	27.7

TOTAL COMBINED

			Ambient +		Project		
		Ambient	Project	Increase	Noise,	Ambient	Ambient +
Receptor	Project (CNEL)	(CNEL)	(CNEL)	(CNEL)	(Leq)	(Leq)	Project (Leq)
R1	50.9	64.7	64.9	0.2	48.9	57.0	57.6
R1U	61.5	64.7	66.4	1.7	59.5	57.0	-
R2	49.9	63.7	63.9	0.2	47.9	58.4	58.8
R2U	63.3	63.7	66.5	2.8	61.3	58.4	63.1
R3	59.3	66.8	67.5	0.7	57.3	61.1	62.6
R3U	59.1	66.8	67.5	0.7	57.1	61.1	62.6
R4	36.2	62.9	62.9	0.0	34.2	57.6	57.6

Receptor	Ambient	Project	Amb+Project	Criteria	Exceedance
R1	57.0	59.5	61.4	62.0	0.0
R2	58.4	61.3	63.1	63.4	0.0
R3	61.1	57.3	62.6	66.1	0.0
R4	57.6	34.2	57.6	62.6	0.0

Our Lady of Mt. Lebanon Project Source Levels in dB(A) - Mechanical

3

Source type	Lw	
	dB(A)	
Point	90.0	
	Point	dB(A) Point 90.0 Point 90.0

	T ₂					
Source	Source type	Leq				
		dB(A)				
Receiver R1 FI G Leq 46.8 dB(A)						
Mechanical - Level 01	Point	33.7				
Mechanical - Level 01	Point	46.4				
Mechanical Roof Level	Point	28.1				
Mechanical Roof Level	Point	25.9				
Mechanical Roof Level	Point	25.4				
Mechanical Roof Level	Point	25.5				
Mechanical Roof Level	Point	26.8				
Mechanical - Level 02	Point	21.8				
Mechanical - Level 02	Point	23.2				
Receiver R1 FI F2 Leq 49.1	dB(A)					
Mechanical - Level 01	Point	31.6				
Mechanical - Level 01	Point	44.9				
Mechanical Roof Level	Point	33.8				
Mechanical Roof Level	Point	32.4				
Mechanical Roof Level	Point	30.7				
Mechanical Roof Level	Point	30.4				
Mechanical Roof Level	Point	30.8				
Mechanical - Level 02	Point	42.4				
Mechanical - Level 02	Point	43.9				
Receiver R2 FI G Leq 46.5 dB(A)						
Mechanical - Level 01	Point	46.3				
Mechanical - Level 01	Point	19.3				
Mechanical Roof Level	Point	26.0				
Mechanical Roof Level	Point	25.2				
Mechanical Roof Level	Point	24.0				
Mechanical Roof Level	Point	23.7				
Mechanical Roof Level	Point	23.5				
Mechanical - Level 02	Point	16.2				
Mechanical - Level 02	Point	25.1				
Receiver R2 FI F2 Leq 46.9	dB(A)					
Mechanical - Level 01	Point	46.6				
Mechanical - Level 01	Point	19.7				
Mechanical Roof Level	Point	28.2				
Mechanical Roof Level	Point	27.2				
Mechanical Roof Level	Point	26.0				
Mechanical Roof Level	Point	25.5				
Mechanical Roof Level	Point	25.1				
Mechanical - Level 02	Point	16.6				
Mechanical - Level 02	Point	24.4				

Our Lady of Mt. Lebanon Project Assessed contribution level - Mechanical

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Source type	Leq dB(A)				
3(A)	GD()				
Point	22.8				
1					
1					
	1110				
	23.5				
1					
I					
Point					
Point	25.4				
Point	27.5				
Point	36.7				
Point	45.5				
Mechanical - Level 02 Point 45.5 Receiver R4 FI G Leq 32.2 dB(A)					
Point	8.5				
Point	20.8				
Point	20.7				
Point	21.5				
Point	23.4				
Point	24.4				
Point	24.4				
Point	24.5				
Point	23.5				
F F F F F F F F F F F F F F F F F F F	Point	Point 22.8 Point 22.5 Point 22.5 Point 23.1 Point 25.0 Point 31.3 Point 44.6 B(A) Point 23.5 Point 24.5 Point 24.5 Point 24.5 Point 25.4 Point 25.4 Point 25.4 Point 25.4 Point 25.4 Point 25.4 Point 26.5 Point 27.5 Point			

Our Lady of Mt. Lebanon Project Source Levels in dB(A) - Loading w 6ft Wall

3

Name	Source type	Lw
		dB(A)
Landing Foot Cide	Deint	dB(A)
Loading East Side	Point	101.9
Loading West Side	Point	101.9

Our Lady of Mt. Lebanon Project Assessed contribution level - Loading w 6ft Wall

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Source	Source type	Leq				
		dB(A)				
Receiver R1 FIG Leq,d 61.	Receiver R1 FI G Leq,d 61.1 dB(A)					
Loading East Side	Point	50.7				
Loading West Side	Point	60.7				
Receiver R1 FI F2 Leq,d 68.	.8 dB(A)					
Loading East Side	Point	50.1				
Loading West Side	Point	68.7				
Receiver R2 FIG Leq,d 35.6	6 dB(A)					
Loading East Side	Point	31.6				
Loading West Side	Point	33.3				
Receiver R2 FI F2 Leq,d 35.1 dB(A)						
Loading East Side	Point	30.9				
Loading West Side	Point	33.1				
Receiver R3 FIG Leq,d 37.4	4 dB(A)					
Loading East Side	Point	36.9				
Loading West Side	Point	27.8				
Receiver R3 FI F2 Leq,d 36.	.7 dB(A)					
Loading East Side	Point	36.2				
Loading West Side	Point	27.0				
Receiver R4 FI G Leq,d 26.5	5 dB(A)					
Loading East Side	Point	20.3				
Loading West Side	Point	25.3				

Our Lady of Mt. Lebanon Project Source Levels in dB(A) - Trash

3

_			
Name	Source type	Lw	
		dB(A)	
Track Commonter	Daint		
Trash Compactor	Point	73.4	

Our Lady of Mt. Lebanon Project Assessed contribution level - Trash

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Source	Source type	Leq				
		dB(A)				
Receiver R1 FIG Leq 44.1	Receiver R1 FI G Leq 44.1 dB(A)					
Trash Compactor	Point	44.1				
Receiver R1 FI F2 Leq 36.	1 dB(A)					
Trash Compactor	Point	36.1				
Receiver R2 FI G Leq 14.7 dB(A)						
Trash Compactor	Point	14.7				
Receiver R2 FI F2 Leq 14.7 dB(A)						
Trash Compactor	Point	14.7				
Receiver R3 FIG Leq 0.3 of	Receiver R3 FI G Leq 0.3 dB(A)					
Trash Compactor	Point	0.3				
Receiver R3 FI F2 Leq 0.6 dB(A)						
Trash Compactor	Point	0.6				
Receiver R4 FI G Leq -8.0	Receiver R4 FI G Leq -8.0 dB(A)					
Trash Compactor	Point	-8.0				

Our Lady of Mt. Lebanon Project Source Levels in dB(A) - People

3

Name	Source type	Lw	
		dB(A)	
D 11			
People Level 1	Area	95.6	
People Level 02 Deck 1	Area	85.2	
People Level 02 Deck 2	Area	83.6	
People Level 02 Deck 3	Area	87.0	
People Level 04 Rec. Deck	Area	94.2	
People Level 04 Space Deck	Area	90.1	

Source	Source type	Leq	
334		dB(A)	
Descriver D4 FLC Lear 46.4 dD/A	\	(dD(/1)	
Receiver R1 FI G Leq 46.4 dB(A		00.0	
People Level 1	Area	30.0	
People Level 02 Deck 2	Area	28.8	
People Level 02 Deck 1	Area	43.0	
People Level 02 Deck 3	Area	26.9	
People Level 04 Rec. Deck	Area	43.1	
People Level 04 Space Deck	Area	25.9	
Receiver R1 FI F2 Leq 55.0 dB(A	4)		
People Level 1	Area	40.5	
People Level 02 Deck 2	Area	22.4	
People Level 02 Deck 1	Area	43.2	
People Level 02 Deck 3	Area	26.8	
People Level 04 Rec. Deck	Area	54.5	
People Level 04 Space Deck	Area	26.6	
Receiver R2 FI G Leq 42.5 dB(A)		
People Level 1	Area	27.8	
People Level 02 Deck 2	Area	10.9	
People Level 02 Deck 1	Area	16.0	
People Level 02 Deck 3	Area	15.8	
People Level 04 Rec. Deck	Area	23.7	
People Level 04 Space Deck	Area	42.3	
Receiver R2 FI F2 Leq 53.3 dB(A	\)		
People Level 1	Area	28.5	
People Level 02 Deck 2	Area	11.4	
People Level 02 Deck 1	Area	16.5	
People Level 02 Deck 3	Area	16.9	
People Level 04 Rec. Deck	Area	25.5	
People Level 04 Space Deck	Area	53.2	
Receiver R3 FI G Leq 53.1 dB(A)		
People Level 1	Area	52.7	
People Level 02 Deck 2	Area	28.1	
People Level 02 Deck 1	Area	11.7	
People Level 02 Deck 3	Area	39.1	
People Level 04 Rec. Deck	Area	34.2	
People Level 04 Space Deck	Area	38.2	
Receiver R3 FI F2 Leq 53.9 dB(A	\)		
People Level 1	Area	53.0	
People Level 02 Deck 2	Area	29.9	
People Level 02 Deck 1	Area	13.2	
	. '	•	•

Our Lady of Mt. Lebanon Project Assessed contribution level - People

9

Source	Source type	Leq	
		dB(A)	
People Level 02 Deck 3	Area	40.5	
People Level 04 Rec. Deck	Area	39.0	
People Level 04 Space Deck	Area	43.9	
Receiver R4 FI G Leq 29.8 dB(A)		
People Level 1	Area	23.0	
People Level 02 Deck 2	Area	21.2	
People Level 02 Deck 1	Area	4.5	
People Level 02 Deck 3	Area	17.7	
People Level 04 Rec. Deck	Area	27.2	
People Level 04 Space Deck	Area	13.8	

Name	Source type	Lw	
		dB(A)	
Speaker Level 01	Point	99.2	
Speaker Level 01	Point	99.2	
Speaker Level 01	Point	99.2	
Speaker Level 01	Point	99.2	
Speaker Level 01	Point	99.2	
Speaker Level 04 Rec Deck	Point	99.2	
Speaker Level 04 Rec Deck	Point	99.2	
Speaker Level 04 Rec Deck	Point	99.2	
Speaker Level 04 Rec Deck	Point	99.2	
Speaker Level 04 Rec Deck	Point	99.2	
Speaker Level 04 Rec Deck	Point	99.2	
Speaker Level 04 Rec Deck	Point	99.2	
Speaker Level 04 Space Deck	Point	99.2	
Speaker Level 04 Space Deck	Point	99.2	
Speaker Level 04 Space Deck	Point	99.2	
Speaker Level 04 Space Deck	Point	99.2	
Speaker Level 04 Space Deck	Point	99.2	

Source	Source type	Leq	
		dB(A)	
Receiver R1 FIG Leq 45.4 dB(A	\)	,	
Speaker Level 01	Point	12.7	
Speaker Level 01	Point	18.5	
Speaker Level 01	Point	20.1	
Speaker Level 01	Point	32.6	
Speaker Level 01	Point	21.2	
Speaker Level 04 Space Deck	Point	16.2	
Speaker Level 04 Space Deck	Point	13.7	
Speaker Level 04 Space Deck	Point	23.3	
Speaker Level 04 Space Deck	Point	23.9	
Speaker Level 04 Space Deck	Point	26.1	
Speaker Level 04 Rec Deck	Point	39.5	
Speaker Level 04 Rec Deck	Point	38.4	
Speaker Level 04 Rec Deck	Point	26.0	
Speaker Level 04 Rec Deck	Point	32.9	
Speaker Level 04 Rec Deck	Point	35.6	
Speaker Level 04 Rec Deck	Point	39.3	
Speaker Level 04 Rec Deck	Point	32.1	
Receiver R1 FI F2 Leq 57.6 dB(۹)		
Speaker Level 01	Point	19.7	
Speaker Level 01	Point	15.3	
Speaker Level 01	Point	24.0	
Speaker Level 01	Point	38.6	
Speaker Level 01	Point	26.1	
Speaker Level 04 Space Deck	Point	15.8	
Speaker Level 04 Space Deck	Point	13.8	
Speaker Level 04 Space Deck	Point	23.2	
Speaker Level 04 Space Deck	Point	23.1	
Speaker Level 04 Space Deck	Point	25.0	
Speaker Level 04 Rec Deck	Point	39.8	
Speaker Level 04 Rec Deck	Point	38.9	
Speaker Level 04 Rec Deck	Point	36.5	
Speaker Level 04 Rec Deck	Point	48.8	
Speaker Level 04 Rec Deck	Point	51.9	
Speaker Level 04 Rec Deck	Point	54.6	
Speaker Level 04 Rec Deck	Point	44.4	
Receiver R2 FI G Leq 46.4 dB(A	A)		
Speaker Level 01	Point	9.9	
Speaker Level 01	Point	11.1	
Speaker Level 01	Point	20.2	
I			

Source	Source type	Leq	
	, , , , ,	dB(A)	
Speaker Level 01	Point	24.5	
Speaker Level 01	Point	15.8	
Speaker Level 04 Space Deck	Point	41.1	
Speaker Level 04 Space Deck	Point	36.8	
Speaker Level 04 Space Deck	Point	38.2	
Speaker Level 04 Space Deck	Point	38.6	
Speaker Level 04 Space Deck	Point	40.6	
Speaker Level 04 Rec Deck	Point	10.8	
Speaker Level 04 Rec Deck	Point	10.4	
Speaker Level 04 Rec Deck	Point	10.1	
Speaker Level 04 Rec Deck	Point	15.3	
Speaker Level 04 Rec Deck	Point	18.5	
Speaker Level 04 Rec Deck	Point	18.6	
Speaker Level 04 Rec Deck	Point	9.5	
Receiver R2 FI F2 Leq 60.6 dB(A)		
Speaker Level 01	Point	10.4	
Speaker Level 01	Point	10.1	
Speaker Level 01	Point	18.8	
Speaker Level 01	Point	23.6	
Speaker Level 01	Point	15.7	
Speaker Level 04 Space Deck	Point	57.1	
Speaker Level 04 Space Deck	Point	53.3	
Speaker Level 04 Space Deck	Point	53.6	
Speaker Level 04 Space Deck	Point	48.2	
Speaker Level 04 Space Deck	Point	50.6	
Speaker Level 04 Rec Deck	Point	13.5	
Speaker Level 04 Rec Deck	Point	13.8	
Speaker Level 04 Rec Deck	Point	11.8	
Speaker Level 04 Rec Deck	Point	17.0	
Speaker Level 04 Rec Deck	Point	18.3	
Speaker Level 04 Rec Deck	Point	19.8	
Speaker Level 04 Rec Deck	Point	11.6	
Receiver R3 FI G Leq 55.2 dB(A	<u> </u>		
Speaker Level 01	Point	45.0	
Speaker Level 01	Point	49.9	
Speaker Level 01	Point	50.3	
Speaker Level 01	Point	41.9	
Speaker Level 01	Point	48.3	
Speaker Level 04 Space Deck	Point	30.8	
Speaker Level 04 Space Deck	Point	34.7	

Source	Source type	Leq	
	1 2 3 3 7 5	dB(A)	
Speaker Level 04 Space Deck	Point	32.7	
Speaker Level 04 Space Deck	Point	35.3	
Speaker Level 04 Space Deck	Point	30.6	
Speaker Level 04 Rec Deck	Point	19.5	
Speaker Level 04 Rec Deck	Point	18.4	
Speaker Level 04 Rec Deck	Point	27.4	
Speaker Level 04 Rec Deck	Point	31.3	
Speaker Level 04 Rec Deck	Point	22.3	
Speaker Level 04 Rec Deck	Point	18.5	
Speaker Level 04 Rec Deck	Point	23.7	
Receiver R3 FI F2 Leq 54.2 dB(
Speaker Level 01	Point	44.3	
Speaker Level 01	Point	48.0	
Speaker Level 01	Point	48.3	
Speaker Level 01	Point	40.1	
Speaker Level 01	Point	46.4	
Speaker Level 04 Space Deck	Point	39.2	
Speaker Level 04 Space Deck	Point	40.5	
Speaker Level 04 Space Deck	Point	34.7	
Speaker Level 04 Space Deck	Point	40.3	
Speaker Level 04 Space Deck	Point	39.4	
Speaker Level 04 Rec Deck	Point	22.9	
Speaker Level 04 Rec Deck	Point	24.4	
Speaker Level 04 Rec Deck	Point	36.6	
Speaker Level 04 Rec Deck	Point	32.4	
Speaker Level 04 Rec Deck	Point	28.4	
Speaker Level 04 Rec Deck	Point	18.8	
Speaker Level 04 Rec Deck	Point	16.4	
Receiver R4 FI G Leq 32.3 dB(A	A)		
Speaker Level 01	Point	15.5	
Speaker Level 01	Point	16.5	
Speaker Level 01	Point	5.5	
Speaker Level 01	Point	13.0	
Speaker Level 01	Point	16.5	
Speaker Level 04 Space Deck	Point	-0.9	
Speaker Level 04 Space Deck	Point	-0.1	
Speaker Level 04 Space Deck	Point	2.1	
Speaker Level 04 Space Deck	Point	13.6	
Speaker Level 04 Space Deck	Point	12.0	
Speaker Level 04 Rec Deck	Point	25.4	

Our Lady of Mt. Lebanon Project Assessed contribution level - Speakers

9

Source	Source type	Leq
		dB(A)
Speaker Level 04 Rec Deck	Point	24.9
Speaker Level 04 Rec Deck	Point	28.0
Speaker Level 04 Rec Deck	Point	16.5
Speaker Level 04 Rec Deck	Point	15.0
Speaker Level 04 Rec Deck	Point	14.5
Speaker Level 04 Rec Deck	Point	21.2



Project: Mt. Lebanon 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%

EXISTING CONDITIONS - WEEKDAY		Distance to	Distance to						Site	
	Roadway	Edge of	Centerline,	Speed	Traffic	Volume	PHV to	Barrier	Adjust.,	24-Hour
Roadway Segment	Width*, ft	Roadway, ft	feet	mph	PHV	ADT	ADT factor	Atten.	dBA	CNEL
Robertson Boulevard										
- Between 3rd St. and Burton Way	50	10	35	35	1,336	13,360	10%	0	0	67.2
 Between Burton Way and Wilshire Blvd. 	50	10	35	35	1,498	14,980	10%	0	0	67.7
San Vicente Boulevard										
- Between Melrose Ave. and Beverly Blvd.	80	10	50	25	1,672	16,720	10%	0	0	63.4
- Between Beverly Blvd. and 3rd St.	80	10	50	25	1,839	18,390	10%	0	0	63.8
- Between 3rd St. and Burton Way	80	10	50	25	1,276	12,760	10%	0	0	62.2
La Cienega Boulevard										
- Between Melrose Ave. and Beverly Blvd.	70	10	45	35	2,590	25,900	10%	0	0	68.9
- Between Beverly Blvd. and 3rd St.	80	10	50	35	2,830	28,300	10%	0	0	68.9
- Between 3rd St. and San Vicente Blvd.	80	10	50	35	2,806	28,060	10%	0	0	68.8
- Between San Vicente Blvd. and Wilshire										
Blvd.	70	10	45	35	2,522	25,220	10%	0	0	68.8
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,747	17,470	10%	0	0	68.4
Burton Way										
- Between Robertson Blvd. and San Vicente										
Blvd.	140	10	80	35	2,743	27,430	10%	0	0	66.7

^{*} Approximate distance based on Google Earth map.

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



Project: Mt. Lebanon 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%

EXISTING CONDITIONS - WEEKEND		Distance to	Distance to						Site	
	Roadway	Edge of	Centerline,	Speed	Traffic	Volume	PHV to	Barrier	Adjust.,	24-Hour
Roadway Segment	Width*, ft	Roadway, ft	feet	mph	PHV	ADT	ADT factor	Atten.	dBA	CNEL
Robertson Boulevard										
 Between 3rd St. and Burton Way 	50	10	35	35	921	9,210	10%	0	0	65.6
 Between Burton Way and Wilshire Blvd. 	50	10	35	35	1,033	10,330	10%	0	0	66.1
San Vicente Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	80	10	50	25	1,154	11,540	10%	0	0	61.8
 Between Beverly Blvd. and 3rd St. 	80	10	50	25	1,269	12,690	10%	0	0	62.2
- Between 3rd St. and Burton Way	80	10	50	25	880	8,800	10%	0	0	60.6
La Cienega Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	70	10	45	35	1,788	17,880	10%	0	0	67.3
 Between Beverly Blvd. and 3rd St. 	80	10	50	35	1,953	19,530	10%	0	0	67.3
 Between 3rd St. and San Vicente Blvd. 	80	10	50	35	1,937	19,370	10%	0	0	67.2
- Between San Vicente Blvd. and Wilshire										
Blvd.	70	10	45	35	1,741	17,410	10%	0	0	67.2
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,205	12,050	10%	0	0	66.8
Burton Way										
- Between Robertson Blvd. and San Vicente										
Blvd.	140	10	80	35	1,893	18,930	10%	0	0	65.1

^{*} Approximate distance based on Google Earth map.

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



Project: Mt. Lebanon 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%					

EXISTING + PROJECT CONDITIONS - WEEKDAY	•	Distance to	Distance to						Site	
	Roadway	Edge of	Centerline,	Speed	Traffic	Volume	PHV to	Barrier	Adjust.,	24-Hour
Roadway Segment	Width*, ft	Roadway, ft	feet	mph	PHV	ADT	ADT factor	Atten.	dBA	CNEL
Robertson Boulevard										
 Between 3rd St. and Burton Way 	50	10	35	35	1,339	13,390	10%	0	0	67.2
 Between Burton Way and Wilshire Blvd. 	50	10	35	35	1,505	15,050	10%	0	0	67.7
San Vicente Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	80	10	50	25	1,677	16,770	10%	0	0	63.4
- Between Beverly Blvd. and 3rd St.	80	10	50	25	1,844	18,440	10%	0	0	63.8
- Between 3rd St. and Burton Way	80	10	50	25	1,281	12,810	10%	0	0	62.2
La Cienega Boulevard										
- Between Melrose Ave. and Beverly Blvd.	70	10	45	35	2,595	25,950	10%	0	0	68.9
- Between Beverly Blvd. and 3rd St.	80	10	50	35	2,838	28,380	10%	0	0	68.9
- Between 3rd St. and San Vicente Blvd.	80	10	50	35	2,811	28,110	10%	0	0	68.8
- Between San Vicente Blvd. and Wilshire										
Blvd.	70	10	45	35	2,527	25,270	10%	0	0	68.8
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,757	17,570	10%	0	0	68.4
Burton Way										
- Between Robertson Blvd. and San Vicente										
Blvd.	140	10	80	35	2,754	27,540	10%	0	0	66.8

^{*} Approximate distance based on Google Earth map.

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



Project: Mt. Lebanon 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%

EXISTING + PROJECT CONDITIONS - WEEKEND		Distance to	Distance to	0	T #	\	DUNA	Di	Site	04.11
Roadway Segment	Roadway Width*, ft	Edge of Roadway, ft	Centerline, feet	Speed mph	PHV	Volume ADT	PHV to ADT factor	Barrier Atten.	Adjust., dBA	24-Hour CNEL
Robertson Boulevard	vvidin , it	Noadway, It	icet	Шрп	FIIV	ADI	ADT IACIOI	Allen.	UDA	CIVLL
- Between 3rd St. and Burton Way	50	10	35	35	925	9,250	10%	0	0	65.6
- Between Burton Way and Wilshire Blvd.	50	10	35	35	1,044	10,440	10%	0	0	66.1
San Vicente Boulevard					,-	, -				
- Between Melrose Ave. and Beverly Blvd.	80	10	50	25	1,161	11,610	10%	0	0	61.8
- Between Beverly Blvd. and 3rd St.	80	10	50	25	1,276	12,760	10%	0	0	62.2
- Between 3rd St. and Burton Way	80	10	50	25	888	8,880	10%	0	0	60.6
La Cienega Boulevard										
- Between Melrose Ave. and Beverly Blvd.	70	10	45	35	1,795	17,950	10%	0	0	67.3
- Between Beverly Blvd. and 3rd St.	80	10	50	35	1,964	19,640	10%	0	0	67.3
- Between 3rd St. and San Vicente Blvd.	80	10	50	35	1,943	19,430	10%	0	0	67.2
- Between San Vicente Blvd. and Wilshire										
Blvd.	70	10	45	35	1,748	17,480	10%	0	0	67.2
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,219	12,190	10%	0	0	66.8
Burton Way										
- Between Robertson Blvd. and San Vicente										
Blvd.	140	10	80	35	1,908	19,080	10%	0	0	65.2

^{*} Approximate distance based on Google Earth map.

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



Project: Mt. Lebanon 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%

FUTURE NO PROJECT CONDITIONS - WEEKDA	Υ	Distance to	Distance to						Site	
	Roadway	Edge of	Centerline,	Speed	Traffic	Volume	PHV to	Barrier	Adjust.,	24-Hour
Roadway Segment	Width*, ft	Roadway, ft	feet	mph	PHV	ADT	ADT factor	Atten.	dBA	CNEL
Robertson Boulevard										
 Between 3rd St. and Burton Way 	50	10	35	35	1,448	14,480	10%	0	0	67.6
 Between Burton Way and Wilshire Blvd. 	50	10	35	35	1,597	15,970	10%	0	0	68.0
San Vicente Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	80	10	50	25	1,821	18,210	10%	0	0	63.8
 Between Beverly Blvd. and 3rd St. 	80	10	50	25	2,049	20,490	10%	0	0	64.3
- Between 3rd St. and Burton Way	80	10	50	25	1,405	14,050	10%	0	0	62.6
La Cienega Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	70	10	45	35	2,910	29,100	10%	0	0	69.4
 Between Beverly Blvd. and 3rd St. 	80	10	50	35	3,092	30,920	10%	0	0	69.3
- Between 3rd St. and San Vicente Blvd.	80	10	50	35	3,110	31,100	10%	0	0	69.3
- Between San Vicente Blvd. and Wilshire										
Blvd.	70	10	45	35	2,818	28,180	10%	0	0	69.3
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,879	18,790	10%	0	0	68.7
Burton Way										
- Between Robertson Blvd. and San Vicente										
Blvd.	140	10	80	35	2,924	29,240	10%	0	0	67.0

^{*} Approximate distance based on Google Earth map.

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



Project: Mt. Lebanon 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%

FUTURE NO PROJECT CONDITIONS - WEEKEN		Distance to	Distance to	Chood	Troffic	Volume	PHV to	Dorrior	Site	24-Hour
Roadway Segment	Roadway Width*, ft	Edge of Roadway, ft	Centerline, feet	Speed mph	PHV	ADT	ADT factor	Barrier Atten.	Adjust., dBA	CNEL
Robertson Boulevard	,	3 /								
- Between 3rd St. and Burton Way	50	10	35	35	999	9,990	10%	0	0	66.0
- Between Burton Way and Wilshire Blvd.	50	10	35	35	1,102	11,020	10%	0	0	66.4
San Vicente Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	80	10	50	25	1,257	12,570	10%	0	0	62.1
 Between Beverly Blvd. and 3rd St. 	80	10	50	25	1,415	14,150	10%	0	0	62.7
 Between 3rd St. and Burton Way 	80	10	50	25	970	9,700	10%	0	0	61.0
La Cienega Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	70	10	45	35	2,008	20,080	10%	0	0	67.8
 Between Beverly Blvd. and 3rd St. 	80	10	50	35	2,133	21,330	10%	0	0	67.6
 Between 3rd St. and San Vicente Blvd. 	80	10	50	35	2,145	21,450	10%	0	0	67.7
 Between San Vicente Blvd. and Wilshire 										
Blvd.	70	10	45	35	1,945	19,450	10%	0	0	67.6
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,297	12,970	10%	0	0	67.1
Burton Way										
 Between Robertson Blvd. and San Vicente 										
Blvd.	140	10	80	35	2,018	20,180	10%	0	0	65.4

^{*} Approximate distance based on Google Earth map.

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



Project: Mt. Lebanon 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%

FUTURE + PROJECT CONDITIONS - WEEKDAY	Roadway	Distance to Edge of	Distance to Centerline,	Speed	Traffic	Volume	PHV to	Barrier	Site Adjust.,	24-Hour
Roadway Segment	Width*, ft	Roadway, ft	feet	mph	PHV	ADT	ADT factor	Atten.	dBA	CNEL
Robertson Boulevard		-								
- Between 3rd St. and Burton Way	50	10	35	35	1,451	14,510	10%	0	0	67.6
- Between Burton Way and Wilshire Blvd.	50	10	35	35	1,604	16,040	10%	0	0	68.0
San Vicente Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	80	10	50	25	1,826	18,260	10%	0	0	63.8
 Between Beverly Blvd. and 3rd St. 	80	10	50	25	2,054	20,540	10%	0	0	64.3
- Between 3rd St. and Burton Way	80	10	50	25	1,411	14,110	10%	0	0	62.7
La Cienega Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	70	10	45	35	2,915	29,150	10%	0	0	69.4
 Between Beverly Blvd. and 3rd St. 	80	10	50	35	3,100	31,000	10%	0	0	69.3
- Between 3rd St. and San Vicente Blvd.	80	10	50	35	3,115	31,150	10%	0	0	69.3
 Between San Vicente Blvd. and Wilshire 										
Blvd.	70	10	45	35	2,823	28,230	10%	0	0	69.3
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,889	18,890	10%	0	0	68.7
Burton Way										
- Between Robertson Blvd. and San Vicente										
Blvd.	140	10	80	35	2,936	29,360	10%	0	0	67.0

^{*} Approximate distance based on Google Earth map.

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



Project: Mt. Lebanon 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%

FUTURE + PROJECT CONDITIONS - WEEKEND	Roadway	Distance to Edge of	Distance to Centerline,	Speed	Traffic	Volume	PHV to	Barrier	Site Adjust.,	24-Hour
Roadway Segment	Width*, ft	Roadway, ft	feet	mph	PHV	ADT	ADT factor	Atten.	dBA	CNEL
Robertson Boulevard										
- Between 3rd St. and Burton Way	50	10	35	35	1,003	10,030	10%	0	0	66.0
 Between Burton Way and Wilshire Blvd. 	50	10	35	35	1,113	11,130	10%	0	0	66.4
San Vicente Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	80	10	50	25	1,264	12,640	10%	0	0	62.2
 Between Beverly Blvd. and 3rd St. 	80	10	50	25	1,422	14,220	10%	0	0	62.7
- Between 3rd St. and Burton Way	80	10	50	25	978	9,780	10%	0	0	61.1
La Cienega Boulevard										
 Between Melrose Ave. and Beverly Blvd. 	70	10	45	35	2,015	20,150	10%	0	0	67.8
 Between Beverly Blvd. and 3rd St. 	80	10	50	35	2,144	21,440	10%	0	0	67.7
 Between 3rd St. and San Vicente Blvd. 	80	10	50	35	2,151	21,510	10%	0	0	67.7
 Between San Vicente Blvd. and Wilshire 										
Blvd.	70	10	45	35	1,952	19,520	10%	0	0	67.7
3rd Street										
- Between Robertson Blvd. and San Vicente										
Blvd.	50	10	35	35	1,311	13,110	10%	0	0	67.1
Burton Way										
- Between Robertson Blvd. and San Vicente										
Blvd.	140	10	80	35	2,033	20,330	10%	0	0	65.4

^{*} Approximate distance based on Google Earth map.

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