

Appendix H
Noise Monitoring and Modeling Data



Appendices

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Site 1 (I-215 Mid)

SLM No. 1

Recorder 2

Site	Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	Uwpk	L(2)	L(8)	L(16)	L(25)	L(50)	L(90)
1	18-Feb	10 12:33:27	60	70.8	88.6	79.8	60.8	90.9	103.5	79	74.7	72.5	71	69.1	62.6
1	18-Feb	10 12:34:27	60	72.2	89.9	84.2	62.3	115.1	117.2	81.2	75.9	73.6	70.7	67.8	64.3
1	18-Feb	10 12:35:27	60	69.2	87	76.1	61	88.1	95.3	74.9	72.4	71.4	70.2	67.9	63.4
1	18-Feb	10 12:36:27	60	67.8	85.5	73.7	60.5	87	98.4	73.2	71.3	69.9	69.1	66.5	61.6
1	18-Feb	10 12:37:27	60	82.4	100.2	97.4	59.7	113.1	113.5	95.4	82.2	72.9	70.9	67.5	62
1	18-Feb	10 12:38:27	60	68.8	86.5	73.5	58.9	85.8	98.4	73.2	72.6	71.8	69.7	67.5	63.8
1	18-Feb	10 12:39:27	60	68.8	86.6	73.9	60.2	86	95.3	73.2	71.8	71.1	70.3	68.1	64.3
1	18-Feb	10 12:40:27	60	69.5	87.3	75.4	62.5	88.1	97.8	74.5	72.5	71.1	70.3	69	65.4
1	18-Feb	10 12:41:27	60	67.9	85.7	72.5	62.9	86.1	97.5	71.9	70.8	70	69.2	67.2	64.3
1	18-Feb	10 12:42:27	60	68.7	86.4	73.3	62.1	86.5	97.2	73	72.2	70.8	70.1	67.8	64
1	18-Feb	10 12:43:27	60	69.3	87	75.1	60.9	87.3	96.6	74.7	72.7	71.2	70.3	68.5	62.7
1	18-Feb	10 12:44:27	60	69.4	87.2	74.8	59.9	89.1	98.8	74.5	73.4	71.9	70.8	68.2	63.2
1	18-Feb	10 12:45:27	60	68.8	86.6	77.2	58.7	90	97.8	76.3	72.6	71.2	69.2	67	61.8
1	18-Feb	10 12:46:27	60	69.3	87.1	74.4	61.6	88.6	96.6	74.2	72.9	71.2	69.9	68.5	64.5
1	18-Feb	10 12:47:27	60	70.3	88.1	77.4	61.2	89.7	98.8	76.2	74.4	72.6	71.1	69	63.5
1	18-Feb	10 12:48:27	60	70	87.8	77.7	56	91.3	97.8	76.9	74.5	71.9	70.4	68.4	61.6
1	18-Feb	10 12:49:27	60	72.1	89.8	78.2	62.4	91.7	97.2	77.5	75.3	74	73	71	66.1
1	18-Feb	10 12:50:27	60	71.4	89.2	79.5	60.2	97.8	100.6	78.5	75.1	73.6	72.4	69.6	63.5
1	18-Feb	10 12:51:27	60	71.4	89.2	76.2	63.5	89.7	99.3	75.8	75	74	73	70.2	64.8
1	18-Feb	10 12:52:27	60	69.2	87	75.2	57.8	88.6	94.5	74.5	72.4	71.3	70.4	69	59.8
1	18-Feb	10 12:53:27	60	71.7	89.4	79.9	62.5	93.7	96.6	79.3	74.1	73.2	72.4	70.3	65
1	18-Feb	10 12:54:27	60	69.1	86.9	74	62	88.7	95.3	73.7	72.6	71.1	70.1	68.3	64.3
1	18-Feb	10 12:55:27	60	70.1	87.9	78.7	64.9	93.3	98.4	77.1	72.7	71	70.1	68.8	66.9
1	18-Feb	10 12:56:27	43	69.1	85.4	75.1	55.9	87.7	92.8	74.7	73.5	72.3	70.6	67.4	57.9
				69.5		79.5	56			75.1	73.2	71.8	70.6	68.4	63.4

Description: SLM No. 1 was placed on the western side of Antelope Road approximately 150 from centerline of Interstate 215 (I-215). The primary source of noise was traffic on I-215. The secondary source of noise was traffic on Antelope Road. Approximately 32 light duty vehicles were counted during the monitoring period.

Calibration

before 114.4
after 114.4

Microphone Height 5 feet
SLM Height 5 feet
Average Wind Spd 1.2 mph
Max Wind Sped 1.8 mph
Wind Direction
Temp (Fahrenheit) 79 degrees F
Humidity 44 percent

Site 2 (I-215 South)

SLM No. 1

Recorder 2

Site	Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	Uwpk	L(2)	L(8)	L(16)	L(25)	L(50)	L(90)
2	18-Feb	13:36:27	60	68.7	86.4	74.3	59.7	89.9	98.8	73.6	72.3	71.5	70.7	67.2	61.6
2	18-Feb	13:37:27	60	70.7	88.4	78.2	58.7	91.2	98.4	77.3	74.9	72.8	72	68.6	62
2	18-Feb	13:38:27	60	70	87.8	76.6	60.8	89.8	97.8	75.4	73.1	72	71.1	69.2	65.6
2	18-Feb	13:39:27	60	69.9	87.6	74.7	65.6	92.4	99.7	74.3	71.9	71.1	70.5	69.4	67.5
2	18-Feb	13:40:27	60	69	86.7	73.4	63	89.2	97.2	73	71.9	70.8	69.7	68.3	65.8
2	18-Feb	13:41:27	60	69.3	87.1	74	64.2	87	95.3	73.6	72.5	71.3	70.1	68.5	65.7
2	18-Feb	13:42:27	60	69	86.8	73.5	62.2	88.6	97.2	73.5	72.4	71.2	70.2	68.3	64.5
2	18-Feb	13:43:27	60	69.2	87	73.9	57.8	86.3	97.2	73.4	71.8	70.7	70.2	69.1	65.1
2	18-Feb	13:44:27	60	69.7	87.5	74.4	60.2	88.1	99.7	74.1	73	71.1	70.6	69.3	66.3
2	18-Feb	13:45:27	60	69.2	87	75.2	58.4	88.4	98.4	74.8	73.3	71.3	70.1	68.3	61.5
2	18-Feb	13:46:27	60	69.1	86.9	73.2	65.5	87.4	96	72.6	71.5	70.6	69.9	68.7	66.5
2	18-Feb	13:47:27	60	67.5	85.3	74.4	59.4	88	97.2	73.6	70.9	69.6	68.5	66.3	62.1
2	18-Feb	13:48:27	60	69	86.7	72	62.7	86.4	99.7	71.9	71.2	70.7	70.2	68.7	65.5
2	18-Feb	13:49:27	60	68.5	86.3	74	61.2	86.6	98.4	73.8	72.7	70.8	69.9	67.2	62.1
2	18-Feb	13:50:27	60	67.3	85.1	72.2	57.7	87	94.5	71.4	70.2	68.9	68.3	67.2	62
2	18-Feb	13:51:27	60	69.1	86.9	74.8	62.8	88.8	97.2	74	72.3	70.9	70	68.2	64.5
2	18-Feb	13:52:27	60	70.2	88	76.7	64.5	90.8	97.2	76	73.7	72.2	70.7	69.2	66.2
2	18-Feb	13:53:27	60	69.7	87.5	75.4	61.8	89	97.2	75	72.7	71.9	71	68.7	65
2	18-Feb	13:54:27	60	68.1	85.9	72.6	60.6	89.4	95.3	72.1	70.3	69.7	69.3	67.9	64.4
2	18-Feb	13:55:27	60	69.9	87.6	77.1	61.8	90.9	100.9	76	73.4	72.2	71.1	68.4	64
2	18-Feb	13:56:27	60	69.2	87	74.7	61.3	87.8	96.6	74.4	72.8	71.6	70.7	68.2	63.5
2	18-Feb	13:57:27	60	69.7	87.5	73.4	64.1	88.5	97.8	73	72.2	71.5	70.6	69.1	67
2	18-Feb	13:58:27	8.5	66.3	75.6	68.4	63.8	80.9	90.6	68.4	68.4	68.1	67	66.2	64.1
				68.7		76.7	57.7			73.4	71.8	70.5	69.7	68.0	64.5

Description: SLM No. 1 was placed approximately 80 feet to the west of the western edge of Antelope Road and approximately 100 feet from centerin of Interstate 215 (I-215). The primary noise source was from traffic on the I-215. The fleet mix consisted of light to heavy duty vehicles and motorcycles. Secondary noise sources included traffic on Antelope Road.

Calibration

before 114.1
after 114.4

Microphone Height 5 feet
SLM Height 5 feet
Average Wind Spd 1.6 mph
Max Wind Sped 3.0 mph
Wind Direction S-->N
Temp (Farenheit) 78 degrees F
Humidity 39 percent

Site 4 (Menifee Valley MS)

SLM No. 1

Recorder 2

Site	Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	Uwpk	L(2)	L(8)	L(16)	L(25)	L(50)	L(90)
4	18-Feb	10:44:20	60	48.1	65.9	55.5	41	66	83.3	54.8	53.5	52.2	48.4	43.7	41.4
4	18-Feb	10:45:20	60	43.3	61.1	48.5	39.4	68.6	0	48.3	47.2	45.8	44.6	41.2	39.5
4	18-Feb	10:46:20	60	44.3	62.1	50.4	39.5	62.9	0	49.6	47.8	45.5	44.7	43.5	41.1
4	18-Feb	10:47:20	60	44.8	62.6	51.4	39.9	66.8	0	50.8	49.5	48	46.3	41.4	40.2
4	18-Feb	10:48:20	60	51.6	69.4	67.4	38.3	73.4	83.3	66	44	42.9	42.4	41.5	39.9
4	18-Feb	10:49:20	60	53.7	71.5	67.6	38.7	72	83.3	67.2	53.5	45.7	44.7	42.4	39.3
4	18-Feb	10:50:20	60	45.5	63.3	52.7	39.6	73.3	87.7	51.6	49.5	47.6	46.4	43.5	41.1
4	18-Feb	10:51:20	60	40.7	58.4	46.9	36.9	61.7	0	46.2	43.9	42	40.7	39.4	38.1
4	18-Feb	10:52:20	60	39.3	57	41.1	37.7	54.9	0	40.9	40.4	39.9	39.7	39.2	38.1
4	18-Feb	10:53:20	60	45.4	63.2	50.6	38.7	66.6	83.3	50.6	49.9	49	46.7	43.3	39.1
4	18-Feb	10:54:20	60	42.7	60.5	50.5	38.3	66.7	0	49.3	47.3	42.9	42.1	41.1	38.9
4	18-Feb	10:55:20	60	40.2	58	47	36.6	71.1	0	44.5	42.7	41.5	40.6	39.4	37.8
4	18-Feb	10:56:20	60	44.5	62.2	51.8	37.7	65.1	0	50.9	49.5	48.4	43.6	40.8	38.1
4	18-Feb	10:57:20	60	41.1	58.9	47.5	37	61.9	0	47	46.2	42	39.8	38.9	37.8
4	18-Feb	10:58:20	60	42.6	60.4	51.1	37.2	67.4	0	49.8	46.6	43.8	42.8	40.5	38
4	18-Feb	10:59:20	60	42.2	60	50	36.2	67.6	0	49.1	45.9	44.6	43.3	39.8	37.4
4	18-Feb	11:00:20	60	45.9	63.7	54.9	37.7	64.6	83.3	52.9	50.9	49.1	46.7	41	38.4
4	18-Feb	11:01:20	60	44.7	62.4	51.1	37.4	65.8	0	50.6	49.5	48.2	45.7	41.3	38.1
4	18-Feb	11:02:20	57.5	42	59.6	47.4	38.1	71	0	46.1	45.1	43.6	42.5	41	39.1
				45.4		67.6	36.2			56.3	48.3	45.7	43.8	41.0	38.7

Description: SLM No. 1 was placed on the western boundary of Menifee Valley Middle School approximately 142 feet south from the southern edge of Garbani Road. The primary noise source in the area was traffic from Murrieta Road. Secondary noise sources include traffic on Garbani Road and noise from the students at Menifee Valley Middle School.

Calibration

before 114.4
after 114.3

Microphone Height 5 feet
SLM Height 5 feet
Average Wind Spd 0.0 mph
Max Wind Spd 0.0 mph
Wind Direction -
Temp (Fahrenheit) 77 degrees F
Humidity 42 percent

Site 5 (Eastern Municipal Water District)

SLM No. 1

Recorder 2

Site	Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	Uwpk	L(2)	L(8)	L(16)	L(25)	L(50)	L(90)
5	18-Feb	11:31:35	60	45.7	63.4	51.1	44.6	75.6	0	47.6	46.7	46.1	45.9	45.5	44.9
5	18-Feb	11:32:35	60	45.5	63.3	46.3	44.9	64.6	0	46.3	46.3	46	45.9	45.6	45.1
5	18-Feb	11:33:35	60	46.8	64.6	49	45.5	62	0	48.8	48	47.7	47.4	46.7	45.8
5	18-Feb	11:34:35	60	45.4	63.2	46.7	44.3	77.7	0	46.7	46.5	46	45.8	45.5	44.5
5	18-Feb	11:35:35	60	45.2	62.9	47.7	44.1	69.3	0	46.9	46.2	45.9	45.7	45.2	44.2
5	18-Feb	11:36:35	60	50.2	68	54.6	46.1	64	83.3	53.7	52.7	51.9	51.2	49.6	47.2
5	18-Feb	11:37:35	60	46	63.8	47.6	44.9	67.6	0	47.5	46.9	46.6	46.4	45.8	45.1
5	18-Feb	11:38:35	60	46	63.7	47.6	44.7	65.2	0	47.6	46.9	46.7	46.3	45.8	45.1
5	18-Feb	11:39:35	60	47.2	65	51	45.2	72.7	0	50.5	49.4	48.4	47.8	46.8	45.5
5	18-Feb	11:40:35	60	50.3	68.1	55.5	45.1	68.5	83.3	54.7	53.4	52.5	51.8	49.6	45.6
5	18-Feb	11:41:35	60	46.1	63.9	47.8	44.8	80	83.3	47.8	47.1	46.8	46.6	46.1	45.1
5	18-Feb	11:42:35	60	45.3	63.1	47.3	44.4	65.1	0	46.9	46.5	46	45.8	45.4	44.4
5	18-Feb	11:43:35	60	47.7	65.5	51	44.4	78.2	83.3	50.8	50	48.9	48.5	47.4	44.7
5	18-Feb	11:44:35	60	46.2	63.9	49	44.5	68.7	83.3	48.1	47	46.9	46.7	46.2	45.1
5	18-Feb	11:45:35	60	52.6	70.4	61.2	45.6	77.3	87.7	60.5	58.3	55.2	52.6	47.5	46
5	18-Feb	11:46:35	60	50	67.7	61.2	44.1	73	83.3	60.2	54.1	48.7	47.7	45.8	44.4
5	18-Feb	11:47:35	60	45.2	63	46.5	43.2	67.6	0	46.5	46.4	46	45.8	45.2	44
5	18-Feb	11:48:35	60	44.2	61.9	46	42.9	61.7	0	45.8	45.2	44.9	44.7	44.1	43.1
5	18-Feb	11:49:35	60	45.4	63.2	46.9	43.9	72.2	83.3	46.8	46.3	45.9	45.8	45.4	44.3
5	18-Feb	11:50:35	60	46.2	64	47.4	44.9	61.9	81.7	47.4	47	46.8	46.7	46.3	45.3
5	18-Feb	11:51:35	60	48.8	66.6	53.2	45.1	67.6	83.3	52.6	51.5	50.7	49.9	48.3	46.1
5	18-Feb	11:52:35	34	48.1	63.5	53.9	45.5	74.7	83.3	53.2	51	48.9	48.6	47.6	46.1
				46.1		61.2	42.9			48.6	47.8	47.2	46.9	46.0	44.5

Description: SLM No. 1 was placed on Valley Boulevard approximately 34 feet east of the Eastern Municipal Water District premises. The primary noise source was from buzzing emanating from onsite generators. Secondary noise sources included the occasional EMWD pick-up trucks exiting and entering the facility through the entrance gate approximately 140 feet north of the SLM location.

Calibration

before 114.3
after 114.1

Microphone Height 5 feet
SLM Height 5 feet
Average Wind Spd 1.3 mph
Max Wind Spd 1.8 mph
Wind Direction SE-->NW
Temp (Fahrenheit) 81 degrees F
Humidity 37 percent

Site 6 (I-215 North)

SLM No. 1
Recorder 2

Site	Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	Uwpk	L(2)	L(8)	L(16)	L(25)	L(50)	L(90)
6	18-Feb	7:47:30	60	66.7	84.4	72.3	57	86.6	96.6	71.9	70.9	68.7	67.6	65.4	58.5
6	18-Feb	7:48:30	60	65.5	83.3	70.3	60.4	83.9	92.8	69.9	68.8	67.4	66.5	64.5	62.1
6	18-Feb	7:49:30	60	81.9	99.6	95	58.8	104	103.8	94	88.1	74.5	69.3	65.5	61.2
6	18-Feb	7:50:30	60	64.8	82.6	68.7	59.7	81.2	92.8	68.3	67.5	66.8	66	64.3	61
6	18-Feb	7:51:30	60	68.6	86.4	73.4	60.7	86.6	98.8	73.4	72.3	71.5	70.5	67.1	63.6
6	18-Feb	7:52:30	60	70.3	88.1	81.6	60.4	103.9	107.1	80.5	73.9	70.7	68.6	65.4	61.8
6	18-Feb	7:53:30	60	67.7	85.5	72.8	62.1	86.4	94.5	72.5	71.3	69.7	68.4	66.6	64.5
6	18-Feb	7:54:30	60	66.6	84.3	72.3	60.6	85.5	93.7	71.4	70.4	69.2	67.9	65.3	61.4
6	18-Feb	7:55:30	60	65.9	83.7	72.8	58.3	87.2	93.7	72.2	69.5	67.9	67	64.5	61.1
6	18-Feb	7:56:30	60	65.3	83.1	69.9	55.9	88.9	96	69.5	68.6	67.9	67.1	64.6	58.4
6	18-Feb	7:57:30	60	64.2	82	70.1	54.8	84	94.5	69.8	68.1	66	65.2	63.3	57.3
6	18-Feb	7:58:30	60	65.5	83.3	70.4	59	83.4	93.7	70.4	69.3	68.2	67	64.2	60.4
6	18-Feb	7:59:30	60	66.7	84.4	72.9	56.9	87	96	72.5	70.5	69	67.9	65.6	58.6
6	18-Feb	8:00:30	60	66.8	84.6	75.5	56.8	88.3	96	74.7	72	68.2	67.1	64.4	58.9
6	18-Feb	8:01:30	60	65.2	83	72.9	57	85.8	94.5	71.8	68.7	67.1	65.9	64.2	58.7
6	18-Feb	8:02:30	60	66.7	84.5	72.9	57	93.1	96.6	72.6	71.5	69.6	67.6	64.7	59.4
6	18-Feb	8:03:30	60	67.6	85.4	73.1	58.4	85.5	96.6	72.7	70.9	70	69	67.2	61.2
6	18-Feb	8:04:30	60	66.5	84.3	73.8	58.3	87.2	99.3	73.5	71.5	68.5	66.3	64.3	60
6	18-Feb	8:05:30	57.8	66.1	83.7	70.5	58.6	84.1	92.8	70.5	69.6	68.8	67.7	65.1	61.2
				66.3		81.6	54.8			73.1	70.1	68.3	67.1	64.7	60.5

Description: SLM No. 1 was placed near the drainage ditch approximately 169 feet west from centerline of I-215 west of Bradley Road. The primary noise source was traffic traveling in both directions on I-215. Secondary noise sources were from vehicles traveling on Bradley Road. Based on counts taken, there were 34 vehicle passbys on Bradley Road during the noise monitoring session.

Site 7 (Light Industrial)

SLM No. 1
Recorder 2

Site	Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	Uwpk	L(2)	L(8)	L(16)	L(25)	L(50)	L(90)
7	18-Feb	9:55:06	60	56.1	73.8	62.5	54.9	80.6	87.7	60.5	57	56.1	55.9	55.6	55.1
7	18-Feb	9:56:06	60	55.6	73.4	60.6	54.6	81.1	85.7	58.1	56.6	56	55.9	55.5	54.7
7	18-Feb	9:57:06	60	55.6	73.4	62.2	54.6	80.9	87.7	59.2	56.2	55.9	55.8	55.4	54.6
7	18-Feb	9:58:06	60	58	75.7	62.9	55.3	81.8	87.7	61.9	61.1	60.2	58.8	56.7	55.4
7	18-Feb	9:59:06	60	56.1	73.9	62	54.9	79.8	85.7	59.1	57	56.8	56.5	55.9	55.2
7	18-Feb	10:00:06	60	56	73.8	61.8	54.9	79.5	87.7	59	56.9	56.6	56.2	55.7	55.1
7	18-Feb	10:01:06	60	56.9	74.7	62.1	55.9	80.3	87.7	60.6	57.6	56.9	56.8	56.6	56.1
7	18-Feb	10:02:06	60	56.7	74.4	61.6	55.8	78.3	87.7	59.3	57.6	57	56.9	56.6	56
7	18-Feb	10:03:06	60	60.6	78.4	72.6	55.5	89.2	93.7	71.3	63.8	59.4	56.9	56	55.5
7	18-Feb	10:04:06	60	55.9	73.7	61.8	54.1	79.4	87.7	60.4	57.5	56.5	55.9	55.5	54.4
7	18-Feb	10:05:06	60	55.3	73.1	61	54.3	79.6	85.7	58.5	56.1	55.8	55.6	54.9	54.3
7	18-Feb	10:06:06	60	57	74.8	63	54.5	81.3	93.7	61.4	59.9	58.1	57.5	56.4	55
7	18-Feb	10:07:06	60	55.7	73.4	62.6	54.2	82.6	89.3	60.9	56.9	55.9	55.6	55	54.2
7	18-Feb	10:08:06	60	55.8	73.6	60.8	54.4	77.9	89.3	58.6	56.9	56.5	56.1	55.6	54.5
7	18-Feb	10:09:06	60	55.4	73.2	60.7	54.2	78.2	87.7	58	56	55.9	55.7	55.4	54.4
7	18-Feb	10:10:06	60	55.8	73.5	62.2	54.3	80.2	87.7	60.5	56.9	56	55.8	55.3	54.3
7	18-Feb	10:11:06	60	55.6	73.4	61.5	54.5	79.8	91.8	58.8	56.6	55.9	55.7	55.3	54.5
7	18-Feb	10:12:06	60	58.9	76.7	63.5	55.7	80.7	87.7	61.9	61.1	60.4	59.7	58.5	56.6
7	18-Feb	10:13:06	60	58.4	76.2	63.1	57.6	80.2	87.7	61.6	59	58.9	58.7	58.2	57.6
7	18-Feb	10:14:06	60	59.7	77.5	63.2	58	79.5	93.7	63.2	62.6	61.2	60.1	58.8	58.2
7	18-Feb	10:15:06	36.8	59	74.6	62.1	57.8	78.5	90.6	61	60.2	59.7	59.2	58.7	58.1
				55.7		62.9	54.1			59.3	56.9	56.2	55.9	55.4	54.5

Description: SLM No. 1 was placed on the west shoulder of Antelope Road approximately 760 feet south of the t-intersection of Antelope Road and Ethanac Road. The primary noise sources were from the cement factory and the processing plant approximately 192 feet and 500 feet, respectively to the east. Noise from the the cement plant included back-up warning bells from the loader operated onsite. Additional noise sources at the cement plant include release of compressed air, noise from egress and ingress of haul trucks, and loading of material onto a haul truck. A total of four trucks were counted (3 ingress and 1 egress). Noise from the processing plant to the south include general machinery noise.

Calibration

before 114.4
after 114.5

Microphone Height 5 feet
SLM Height 5 feet
Average Wind Spd 1 mph
Max Wind Spd 1 mph
Wind Direction e-->w
Temp (Fahrenheit) 69 degrees F
Humidity 46 percent

Site 8 (SR-74)

SLM No. 1
Recorder 2

Site	Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	Uwpk	L(2)	L(8)	L(16)	L(25)	L(50)	L(90)
8	18-Feb	8:40:33	60	66.3	84	76.3	49.6	90	96	74.7	69.9	68.9	68.1	62	51.6
8	18-Feb	8:41:33	60	69.4	87.1	77.8	54.7	90.9	98.4	76.2	72.8	71.7	71.2	67.8	58.8
8	18-Feb	8:42:33	60	65.8	83.6	71.9	49.4	88.2	96.6	71.6	70.5	69.3	67.9	62.7	51.1
8	18-Feb	8:43:33	60	69.2	87	81.2	53.2	97.5	101.6	79.3	72.7	70.2	69	63.6	57.1
8	18-Feb	8:44:33	60	67.5	85.2	74.3	48.8	87	96	73.9	71.8	70.8	70.1	63.1	49.7
8	18-Feb	8:45:33	60	68.5	86.3	78.1	57.1	91.7	97.8	76.9	71.3	69.8	69	66.6	61.4
8	18-Feb	8:46:33	60	64.4	82.2	73.6	52	86.6	92.8	72.3	68	66.6	64.9	62.8	55.5
8	18-Feb	8:47:33	60	68.7	86.4	76.8	58	91	95.3	75.7	71.8	70.7	70	67.5	59.9
8	18-Feb	8:48:33	60	70.8	88.6	79.1	61.2	93.4	100.6	78.4	75.6	72.9	71.4	67.3	63.5
8	18-Feb	8:49:33	60	69.1	86.9	78.9	55.2	93	99.7	77.7	73.4	70.7	69	66.7	58.3
8	18-Feb	8:50:33	60	67.1	84.9	73.3	55.1	86.3	96	72.4	70.7	69.7	68.9	65.6	59.5
8	18-Feb	8:51:33	60	67	84.7	73.4	50	87	95.3	73.4	72.3	70.6	68.7	64	54.2
8	18-Feb	8:52:33	60	69.7	87.5	77.9	55.5	91.4	96.9	77	73.6	71.9	70.4	68	62.1
8	18-Feb	8:53:33	60	69.5	87.2	80.3	52.9	91.7	101.6	79.1	73.7	71.5	69.5	64.9	55.6
8	18-Feb	8:54:33	60	68.3	86	74.6	59.5	88.9	95.3	73.8	71.5	70.3	69.5	67	63.4
8	18-Feb	8:55:33	60	69.1	86.9	76.4	52.6	90	96	75.5	73.7	72.5	70.7	66.5	57.6
8	18-Feb	8:56:33	60	72.3	90	81.5	52.4	95.3	103.5	80.4	77.7	76.1	72.9	66.5	58.3
8	18-Feb	8:57:33	60	66.5	84.3	73.9	51.3	86.7	92.8	73.1	71.6	68.8	67.5	64.7	53.3
8	18-Feb	8:58:33	60	65.8	83.6	71.4	50.2	88.3	91.8	71.3	70.1	69.2	68.2	64.5	52
8	18-Feb	8:59:33	60	66.4	84.2	73.7	56	86.4	93.7	73.2	71.2	69.5	67.8	63.4	59.6
8	18-Feb	9:00:33	60	68.5	86.3	74.4	51	88.2	96.6	73.9	72.5	71.5	70.2	67.9	52.9
8	18-Feb	9:01:33	60	67.7	85.4	74.9	50.9	89.8	98.4	74.3	72.1	71.1	70	63.1	52.9
8	18-Feb	9:02:33	60	71.6	89.4	81.9	51.2	98.9	107	81	76.4	73.7	72.1	65.9	57.1
8	18-Feb	9:03:33	15.5	68.3	80.2	74.1	60.1	91.8	96	73.9	72.7	71.3	70.1	67.1	60.5
				68.2		81.2	48.8			76.1	72.1	70.4	69.2	65.6	59.2

Description: SLM No. was placed approximately 45 feet from centeline of State Route 74 (SR-74). The primary source of noise was from traffic traveling in both directions on SR-74. Based on counts taken during the noise monitoring session, there were approximately 366 vehicle passbys during the monitoring period. In the eastbound direction the 162 trips consisted of approximately 139 LDV, 5 MDT, 10 HDT, and 8 School Buses. In the westbound direction, the 204 trips consisted of approximately 190 LDV, 7 MDT, 7 HDT, and 0 School Buses.

Calibration

before 114.1
after 114.2

Microphone Height 5 feet
SLM Height 5 feet
Average Wind Spd 0 mph
Max Wind Sped 0 mph
Wind Direction
Temp (Fahrenheit) 63 degrees F
Humidity 57 percent

Noise Model Based on Federal Transit Administration General Transit Noise Assessment
 Developed for Chicago Create Project
 Copyright 2006, HMMH Inc.
 Case: SJL in Menifee - Existing Conditions

RESULTS			
Noise Source	Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
All Sources	55	55	44
Source 1	54	54	43
Source 2	46	47	35
Source 3	0	0	0
Source 4	0	0	0
Source 5	0	0	0
Source 6	0	0	0
Source 7	0	0	0
Source 8	0	0	0

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

Enter data for up to 8 noise sources below - see reference list for source numbers.

NOISE SOURCE PARAMETERS							
Parameter	Source 1		Source 2		Source 3		Source 4
Source Num.	Freight Locomotive	9	Freight Cars	10			
Distance (source to receiver)	distance (ft)	50	distance (ft)	50		100	100
Daytime Hours (7 AM - 10 PM)	speed (mph)	20	speed (mph)	20		40	40
	trains/hour	0.133333	trains/hour	0.133333		0	0
	locos/train	3	length of cars (ft) / train	1000		1	8
Nighttime Hours (10 PM - 7 AM)	speed (mph)	20	speed (mph)	20		40	40
	trains/hour	0	trains/hour	0		0	0
	locos/train	3	length of cars (ft) / train	1000		1	0
Wheel Flats?		0.00%	% of cars w/ wheel flats	0.00%		0.00%	0.00%
Jointed Track?	Y/N	N	Y/N	N		N	N
Embedded Track?	Y/N	N	Y/N	N		N	N
Aerial Structure?	Y/N	N	Y/N	N		N	N
Barrier Present?	Y/N	N	Y/N	N		N	N
Intervening Rows of Buildings	number of rows	0	number of rows	0		0	0

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: POST-2035
 Roadway: I-215 Freeway
 Segment: North of Ethanac Road (CA-74)

Project: CITY OF MENIFEE GENERAL
 Analyst FJS
 Date: 19-Aug-13

ROADWAY INPUTS	
ADT	133,000
SPEED (mph)	65
ROAD NEAR-FAR LN. DIST.	106
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	88.2%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	5.8%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	7216	491	471	5316	362	347	1647	112	108
Speed in MPH	65	65	65	65	65	65	65	65	65
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	75.5	81.7	85.2	75.5	81.7	85.2	75.5	81.7	85.2
ADJUSTMENTS									
Flow	5.1	-6.5	-6.7	3.8	-7.8	-8.0	-1.3	-12.9	-13.1
Distance	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	77.1	71.6	75.0	75.8	70.3	73.6	70.7	65.2	68.5
VEHICULAR NOISE	DAY=	79.9	Leq	EVENING=	78.6	Leq	NIGHT=	73.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 81.5	
		CNEL= 82.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn:	585 1260 2715
		CNEL:	637 1373 2959

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GENERAL**
 Roadway: **I-215 Freeway** Analyst **FJS**
 Segment: **Ethanac Road (CA-74) to McCall E** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	#####
SPEED (mph)	65
ROAD NEAR-FAR LN. DIST.	106
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	88.2%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	5.8%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	7270	495	475	5356	365	350	1659	113	108
Speed in MPH	65	65	65	65	65	65	65	65	65
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	75.5	81.7	85.2	75.5	81.7	85.2	75.5	81.7	85.2
ADJUSTMENTS									
Flow	5.2	-6.5	-6.7	3.9	-7.8	-8.0	-1.2	-12.9	-13.1
Distance	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	77.2	71.7	75.0	75.8	70.3	73.7	70.8	65.3	68.6
VEHICULAR NOISE	DAY=	79.9	Leq	EVENING=	78.6	Leq	NIGHT=	73.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 81.5	
		CNEL= 82.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 588	1267 2729
		CNEL: 641	1380 2973

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GENERAL**
 Roadway: **I-215 Freeway** Analyst **FJS**
 Segment: **McCall Boulevard to Newport Road** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	#####
SPEED (mph)	65
ROAD NEAR-FAR LN. DIST.	106
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	88.2%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	5.8%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	7595	517	496	5596	381	365	1734	118	113
Speed in MPH	65	65	65	65	65	65	65	65	65
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	75.5	81.7	85.2	75.5	81.7	85.2	75.5	81.7	85.2
ADJUSTMENTS									
Flow	5.4	-6.3	-6.5	4.0	-7.6	-7.8	-1.0	-12.7	-12.9
Distance	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	77.4	71.9	75.2	76.0	70.5	73.9	70.9	65.5	68.8
VEHICULAR NOISE	DAY=	80.1	Leq	EVENING=	78.8	Leq	NIGHT=	73.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 81.7	
		CNEL= 82.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	605	1304 2810
	CNEL:	660	1421 3062

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **I-215 Freeway**
 Segment: **Newport Road to Scott Road**

Project: **CITY OF MENIFEE GENERAL**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	#####
SPEED (mph)	65
ROAD NEAR-FAR LN. DIST.	106
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	88.2%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	5.8%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	6673	455	436	4917	335	321	1523	104	99
Speed in MPH	65	65	65	65	65	65	65	65	65
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	75.5	81.7	85.2	75.5	81.7	85.2	75.5	81.7	85.2
ADJUSTMENTS									
Flow	4.8	-6.9	-7.0	3.5	-8.2	-8.4	-1.6	-13.3	-13.5
Distance	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	76.8	71.3	74.6	75.5	70.0	73.3	70.4	64.9	68.2
VEHICULAR NOISE	DAY=	79.6	Leq	EVENING=	78.2	Leq	NIGHT=	73.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 81.2
			CNEL= 81.7
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	555	1196 2577
	CNEL:	605	1304 2808

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **I-215 Freeway**
 Segment: **South of Scott Road**

Project: **CITY OF MENIFEE GENERAL**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	#####
SPEED (mph)	65
ROAD NEAR-FAR LN. DIST.	106
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	88.2%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	5.8%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	7812	532	510	5756	392	376	1783	121	116
Speed in MPH	65	65	65	65	65	65	65	65	65
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	75.5	81.7	85.2	75.5	81.7	85.2	75.5	81.7	85.2
ADJUSTMENTS									
Flow	5.5	-6.2	-6.4	4.2	-7.5	-7.7	-0.9	-12.6	-12.8
Distance	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	77.5	72.0	75.3	76.2	70.7	74.0	71.1	65.6	68.9
VEHICULAR NOISE	DAY=	80.2	Leq	EVENING=	78.9	Leq	NIGHT=	73.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 81.9	
		CNEL= 82.4	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 617	1329 2863
		CNEL: 672	1448 3120

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: POST-2035
 Roadway: Goetz Road
 Segment: North of Ethanac Rd.

Project: CITY OF MENIFEE GP EIR
 Analyst FJS
 Date: 19-Aug-13

ROADWAY INPUTS	
ADT	26,900
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1540	99	15	1134	73	11	351	23	3
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	0.0	-11.9	-20.1	-1.3	-13.2	-21.4	-6.4	-18.3	-26.5
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	65.0	61.4	57.7	63.7	60.1	56.3	58.6	55.0	51.2
VEHICULAR NOISE	DAY=	67.1	Leq	EVENING=	65.8	Leq	NIGHT=	60.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 68.7	
		CNEL= 69.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 82	177 380
		CNEL: 89	192 415

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Goetz Road**
 Segment: **South of Ethanac Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	32,300
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1849	119	18	1362	88	13	422	27	4
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	0.8	-11.1	-19.3	-0.5	-12.4	-20.6	-5.6	-17.5	-25.7
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	65.8	62.2	58.5	64.5	60.9	57.1	59.4	55.8	52.0
VEHICULAR NOISE	DAY=	67.9	Leq	EVENING=	66.6	Leq	NIGHT=	61.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 69.5	
		CNEL= 70.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 93	200 430
		CNEL: 101	217 468

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Goetz Road**
 Segment: **North of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	14,200
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	813	52	8	599	39	6	186	12	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.7	-14.6	-22.9	-4.1	-16.0	-24.2	-9.2	-21.1	-29.3
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.2	58.6	54.9	60.9	57.3	53.6	55.8	52.2	48.5
VEHICULAR NOISE	DAY=	64.3	Leq	EVENING=	63.0	Leq	NIGHT=	57.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 65.9	
		CNEL= 66.5	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 54	115 249
		CNEL: 58	126 271

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Murrieta Road**
 Segment: **North of Ethanac Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	7,400
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	424	27	4	312	20	3	97	6	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-5.6	-17.5	-25.7	-6.9	-18.8	-27.0	-12.0	-23.9	-32.1
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	59.3	55.6	51.9	57.9	54.3	50.6	52.8	49.2	45.5
VEHICULAR NOISE	DAY=	61.4	Leq	EVENING=	60.0	Leq	NIGHT=	54.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 63.0	
		CNEL= 63.5	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 34	73 158
		CNEL: 37	80 172

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Murrieta Road**
 Segment: **South of Ethanac Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	9,300
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	532	34	5	392	25	4	121	8	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-4.6	-16.5	-24.7	-5.9	-17.8	-26.0	-11.0	-22.9	-31.1
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	60.3	56.6	52.9	58.9	55.3	51.6	53.8	50.2	46.5
VEHICULAR NOISE	DAY=	62.3	Leq	EVENING=	61.0	Leq	NIGHT=	55.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 64.0	
		CNEL= 64.5	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	40	85 183
	CNEL:	43	93 200

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Murrieta Road**
 Segment: **North of McCall Bl.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	8,600
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	492	32	5	363	23	4	112	7	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-4.9	-16.8	-25.1	-6.2	-18.1	-26.4	-11.3	-23.2	-31.5
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	59.9	56.3	52.6	58.6	55.0	51.2	53.5	49.9	46.1
VEHICULAR NOISE	DAY=	62.0	Leq	EVENING=	60.7	Leq	NIGHT=	55.6	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 63.6	
		CNEL= 64.2	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 38	81 174
		CNEL: 41	88 190

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Murrieta Road** Analyst **FJS**
 Segment: **Between McCall Bl. & Cherry Hills** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	11,900
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	681	44	7	502	32	5	155	10	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-3.5	-15.4	-23.7	-4.8	-16.7	-25.0	-9.9	-21.8	-30.1
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	61.3	57.7	54.0	60.0	56.4	52.6	54.9	51.3	47.6
VEHICULAR NOISE	DAY=	63.4	Leq	EVENING=	62.1	Leq	NIGHT=	57.0	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 65.0
			CNEL= 65.6
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	47	100 216
	CNEL:	51	109 236

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Murrieta Road**
 Segment: **South of Cherry Hills Bl.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	10,700
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	612	40	6	451	29	4	140	9	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-4.0	-15.9	-24.1	-5.3	-17.2	-25.4	-10.4	-22.3	-30.5
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	60.9	57.2	53.5	59.5	55.9	52.2	54.4	50.8	47.1
VEHICULAR NOISE	DAY=	63.0	Leq	EVENING=	61.6	Leq	NIGHT=	56.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 64.6	
		CNEL= 65.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 43	94 201
		CNEL: 47	102 220

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Murrieta Road**
 Segment: **North of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	42,300
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2421	156	23	1784	115	17	553	36	5
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	2.0	-9.9	-18.1	0.7	-11.2	-19.5	-4.4	-16.3	-24.6
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.0	63.4	59.6	65.6	62.0	58.3	60.6	56.9	53.2
VEHICULAR NOISE	DAY=	69.1	Leq	EVENING=	67.7	Leq	NIGHT=	62.6	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 70.7	
		CNEL= 71.2	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 111	239 515
		CNEL: 121	260 561

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Murrieta Road**
 Segment: **South of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	15,900
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	910	59	9	670	43	6	208	13	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.2	-14.1	-22.4	-3.6	-15.5	-23.7	-8.7	-20.6	-28.8
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.7	59.1	55.4	61.4	57.8	54.0	56.3	52.7	49.0
VEHICULAR NOISE	DAY=	64.8	Leq	EVENING=	63.5	Leq	NIGHT=	58.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 66.4	
		CNEL= 67.0	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 58	124 268
		CNEL: 63	136 292

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Murrieta Road**
 Segment: **North of Scott Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	18,100
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1036	67	10	763	49	7	236	15	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.7	-13.6	-21.8	-3.0	-14.9	-23.2	-8.1	-20.0	-28.2
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.3	59.7	55.9	62.0	58.3	54.6	56.9	53.2	49.5
VEHICULAR NOISE	DAY=	65.4	Leq	EVENING=	64.1	Leq	NIGHT=	59.0	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 67.0	
		CNEL= 67.5	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 63	136 292
		CNEL: 69	148 318

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Bradley Road**
 Segment: **North of McCall Bl.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	6,400
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	366	24	4	270	17	3	84	5	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-6.2	-18.1	-26.3	-7.5	-19.4	-27.7	-12.6	-24.5	-32.8
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	58.6	55.0	51.3	57.3	53.7	50.0	52.2	48.6	44.9
VEHICULAR NOISE	DAY=	60.7	Leq	EVENING=	59.4	Leq	NIGHT=	54.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 62.3	
		CNEL= 62.9	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 31	66 143
		CNEL: 34	72 156

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Bradley Road** Analyst **FJS**
 Segment: **Between McCall Bl. & Cherry Hills** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	24,600
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1408	91	14	1037	67	10	321	21	3
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-0.4	-12.3	-20.5	-1.7	-13.6	-21.8	-6.8	-18.7	-26.9
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	64.6	61.0	57.3	63.3	59.7	55.9	58.2	54.6	50.9
VEHICULAR NOISE	DAY=	66.7	Leq	EVENING=	65.4	Leq	NIGHT=	60.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 68.3
			CNEL= 68.9
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	77	166 358
	CNEL:	84	181 391

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Bradley Road**
 Segment: **South of Cherry Hills Bl.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	20,100
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1150	74	11	848	55	8	263	17	3
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.2	-13.1	-21.4	-2.6	-14.5	-22.7	-7.6	-19.5	-27.8
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.6	60.0	56.3	62.3	58.7	54.9	57.2	53.6	49.8
VEHICULAR NOISE	DAY=	65.7	Leq	EVENING=	64.4	Leq	NIGHT=	59.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 67.3
			CNEL= 67.9
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	66	142 307
	CNEL:	72	155 334

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Bradley Road**
 Segment: **North of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	15,200
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	870	56	8	641	41	6	199	13	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.4	-14.3	-22.6	-3.8	-15.7	-23.9	-8.9	-20.8	-29.0
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.4	58.8	55.0	61.1	57.4	53.7	56.0	52.3	48.6
VEHICULAR NOISE	DAY=	64.5	Leq	EVENING=	63.2	Leq	NIGHT=	58.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 66.1
			CNEL= 66.6
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	55	118 255
	CNEL:	60	129 277

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Bradley Road**
 Segment: **South of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	15,700
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	899	58	9	662	43	6	205	13	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.3	-14.2	-22.4	-3.6	-15.5	-23.8	-8.7	-20.6	-28.9
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.7	59.0	55.3	61.3	57.7	54.0	56.3	52.6	48.9
VEHICULAR NOISE	DAY=	64.8	Leq	EVENING=	63.4	Leq	NIGHT=	58.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 66.4	
		CNEL= 66.9	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 57	123 266
		CNEL: 62	134 290

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Encanto Road**
 Segment: **South of Ethanac Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	8,200
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY	HOURLY		
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	469	30	5	346	22	3	107	7	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-5.1	-17.0	-25.3	-6.4	-18.4	-26.6	-11.5	-23.4	-31.7
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	59.8	56.2	52.5	58.5	54.9	51.2	53.4	49.8	46.1
VEHICULAR NOISE	DAY=	61.9	Leq	EVENING=	60.6	Leq	NIGHT=	55.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 63.5	
		CNEL= 64.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 37	80 172
		CNEL: 40	87 188

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Encanto Road**
 Segment: **North of McCall Bl.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	13,800
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	790	51	8	582	38	6	180	12	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.9	-14.8	-23.0	-4.2	-16.1	-24.3	-9.3	-21.2	-29.4
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.1	58.5	54.8	60.8	57.2	53.4	55.7	52.1	48.3
VEHICULAR NOISE	DAY=	64.2	Leq	EVENING=	62.9	Leq	NIGHT=	57.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 65.8	
		CNEL= 66.4	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 53	113 244
		CNEL: 57	123 266

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Encanto Road**
 Segment: **South of McCall Bl.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	7,800
SPEED (mph)	35
ROAD NEAR-FAR LN. DIST.	12
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	446	29	4	329	21	3	102	7	1
Speed in MPH	35	35	35	35	35	35	35	35	35
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	65.1	74.8	80.0	65.1	74.8	80.0	65.1	74.8	80.0
ADJUSTMENTS									
Flow	-4.2	-16.1	-24.4	-5.6	-17.5	-25.7	-10.7	-22.6	-30.8
Distance	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	56.3	54.1	51.0	54.9	52.7	49.7	49.8	47.7	44.6
VEHICULAR NOISE	DAY=	59.1	Leq	EVENING=	57.7	Leq	NIGHT=	52.6	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 60.7	
		CNEL= 61.2	
NOISE CONTOUR:		70 dBA	65 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 24	51
		CNEL: 26	111
			60 dBA
			121

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Haun Road**
 Segment: **North of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	10,000
SPEED (mph)	35
ROAD NEAR-FAR LN. DIST.	12
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	572	37	6	422	27	4	131	8	1
Speed in MPH	35	35	35	35	35	35	35	35	35
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	65.1	74.8	80.0	65.1	74.8	80.0	65.1	74.8	80.0
ADJUSTMENTS									
Flow	-3.2	-15.1	-23.3	-4.5	-16.4	-24.6	-9.6	-21.5	-29.7
Distance	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	57.3	55.1	52.1	56.0	53.8	50.8	50.9	48.7	45.7
VEHICULAR NOISE	DAY=	60.1	Leq	EVENING=	58.8	Leq	NIGHT=	53.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 61.7	
		CNEL= 62.3	
NOISE CONTOUR:		70 dBA	65 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 28	61
		CNEL: 31	131
			60 dBA
			66
			142

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Haun Road**
 Segment: **South of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	42,800
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2450	158	24	1805	117	17	559	36	5
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	2.1	-9.8	-18.1	0.7	-11.2	-19.4	-4.4	-16.3	-24.5
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.0	63.4	59.7	65.7	62.1	58.3	60.6	57.0	53.3
VEHICULAR NOISE	DAY=	69.1	Leq	EVENING=	67.8	Leq	NIGHT=	62.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 70.7
			CNEL= 71.3
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	112	241 519
	CNEL:	122	262 565

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Haun Road**
 Segment: **North of Scott Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	13,600
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	778	50	8	574	37	6	178	11	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.9	-14.8	-23.1	-4.3	-16.2	-24.4	-9.3	-21.2	-29.5
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.0	58.4	54.7	60.7	57.1	53.4	55.6	52.0	48.3
VEHICULAR NOISE	DAY=	64.1	Leq	EVENING=	62.8	Leq	NIGHT=	57.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 65.7	
		CNEL= 66.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 52	112 241
		CNEL: 57	122 263

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Haun Road**
 Segment: **South of Scott Rd**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	14,400
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	824	53	8	607	39	6	188	12	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.7	-14.6	-22.8	-4.0	-15.9	-24.2	-9.1	-21.0	-29.2
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.3	58.7	54.9	61.0	57.3	53.6	55.9	52.3	48.5
VEHICULAR NOISE	DAY=	64.4	Leq	EVENING=	63.1	Leq	NIGHT=	58.0	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 66.0	
		CNEL= 66.6	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 54	116 251
		CNEL: 59	127 273

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Antelope Road**
 Segment: **North of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	7,500
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	429	28	4	316	20	3	98	6	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-5.5	-17.4	-25.7	-6.8	-18.7	-27.0	-11.9	-23.8	-32.1
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	59.5	55.8	52.1	58.1	54.5	50.8	53.0	49.4	45.7
VEHICULAR NOISE	DAY=	61.6	Leq	EVENING=	60.2	Leq	NIGHT=	55.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 63.2
			CNEL= 63.7
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	35	75 162
	CNEL:	38	82 177

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Antelope Road**
 Segment: **South of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	18,700
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1070	69	10	789	51	8	244	16	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.5	-13.4	-21.7	-2.9	-14.8	-23.0	-8.0	-19.9	-28.1
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.4	59.8	56.1	62.1	58.5	54.8	57.0	53.4	49.7
VEHICULAR NOISE	DAY=	65.5	Leq	EVENING=	64.2	Leq	NIGHT=	59.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 67.1
			CNEL= 67.7
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	64	139 299
	CNEL:	70	151 325

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Antelope Road**
 Segment: **North of Scott Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	18,500
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1059	68	10	780	50	8	242	16	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.6	-13.5	-21.7	-2.9	-14.8	-23.1	-8.0	-19.9	-28.2
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.4	59.8	56.0	62.1	58.4	54.7	57.0	53.3	49.6
VEHICULAR NOISE	DAY=	65.5	Leq	EVENING=	64.1	Leq	NIGHT=	59.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 67.1	
		CNEL= 67.6	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 64	138 296
		CNEL: 70	150 323

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Antelope Road**
 Segment: **South of Scott Rd**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	17,100
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	979	63	9	721	47	7	223	14	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.9	-13.8	-22.1	-3.3	-15.2	-23.4	-8.3	-20.2	-28.5
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.0	59.4	55.7	61.7	58.1	54.4	56.6	53.0	49.3
VEHICULAR NOISE	DAY=	65.1	Leq	EVENING=	63.8	Leq	NIGHT=	58.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 66.7	
		CNEL= 67.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	61	131 281
	CNEL:	66	142 307

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Meniffee Road** Analyst **FJS**
 Segment: **North of Pinacate Rd. (SR-74)** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	24,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1414	91	14	1042	67	10	323	21	3
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	-0.8	-12.7	-20.9	-2.1	-14.0	-22.3	-7.2	-19.1	-27.4
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	66.2	62.0	58.0	64.9	60.7	56.7	59.8	55.6	51.6
VEHICULAR NOISE	DAY=	68.1	Leq	EVENING=	66.8	Leq	NIGHT=	61.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 69.7	
		CNEL= 70.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 95	206 443
		CNEL: 104	224 482

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Menifee Road** Analyst **FJS**
 Segment: **South of Pinacate Rd. (SR-74)** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	39,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2232	144	22	1645	106	16	509	33	5
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.2	-10.7	-19.0	-0.1	-12.0	-20.3	-5.2	-17.1	-25.4
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.2	64.0	60.0	66.9	62.7	58.7	61.8	57.6	53.6
VEHICULAR NOISE	DAY=	70.1	Leq	EVENING=	68.7	Leq	NIGHT=	63.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 71.7
			CNEL= 72.2
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	129	279 600
	CNEL:	141	304 654

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **North of McCall Bl.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	46,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2633	170	25	1940	125	19	601	39	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.9	-10.0	-18.2	0.6	-11.3	-19.6	-4.5	-16.4	-24.7
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.9	64.7	60.7	67.6	63.4	59.4	62.5	58.3	54.3
VEHICULAR NOISE	DAY=	70.8	Leq	EVENING=	69.5	Leq	NIGHT=	64.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.4	
		CNEL= 73.0	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	144	311 670
	CNEL:	157	339 730

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Menifee Road** Analyst **FJS**
 Segment: **Between McCall Bl. & Simpson Rc** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	24,400
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1397	90	14	1029	66	10	319	21	3
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	-0.8	-12.7	-21.0	-2.2	-14.1	-22.3	-7.3	-19.2	-27.4
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	66.2	62.0	57.9	64.9	60.6	56.6	59.8	55.5	51.5
VEHICULAR NOISE	DAY=	68.0	Leq	EVENING=	66.7	Leq	NIGHT=	61.6	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 69.6	
		CNEL= 70.2	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 95	204 439
		CNEL: 103	222 479

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **North of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	28,000
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1603	103	15	1181	76	11	366	24	4
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	0.2	-11.7	-19.9	-1.1	-13.0	-21.3	-6.2	-18.1	-26.4
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	65.2	61.6	57.8	63.9	60.2	56.5	58.8	55.1	51.4
VEHICULAR NOISE	DAY=	67.3	Leq	EVENING=	65.9	Leq	NIGHT=	60.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 68.9	
		CNEL= 69.4	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 84	181 391
		CNEL: 92	198 426

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **South of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	24,300
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY	HOURLY		
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1391	90	13	1025	66	10	317	20	3
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-0.4	-12.3	-20.6	-1.7	-13.6	-21.9	-6.8	-18.7	-27.0
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	64.6	60.9	57.2	63.2	59.6	55.9	58.1	54.5	50.8
VEHICULAR NOISE	DAY=	66.7	Leq	EVENING=	65.3	Leq	NIGHT=	60.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 68.3	
		CNEL= 68.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 77	165 356
		CNEL: 83	180 387

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **North of Holland Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	21,000
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1202	78	12	886	57	9	274	18	3
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.0	-12.9	-21.2	-2.4	-14.3	-22.5	-7.5	-19.4	-27.6
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.9	60.3	56.6	62.6	59.0	55.3	57.5	53.9	50.2
VEHICULAR NOISE	DAY=	66.0	Leq	EVENING=	64.7	Leq	NIGHT=	59.6	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 67.6
			CNEL= 68.2
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	70	150 323
	CNEL:	76	163 352

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **South of Holland Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	17,500
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1002	65	10	738	48	7	229	15	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.8	-13.7	-22.0	-3.2	-15.1	-23.3	-8.2	-20.1	-28.4
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.1	59.5	55.8	61.8	58.2	54.5	56.7	53.1	49.4
VEHICULAR NOISE	DAY=	65.2	Leq	EVENING=	63.9	Leq	NIGHT=	58.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 66.8
			CNEL= 67.4
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	62	133 286
	CNEL:	67	144 311

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **North of Garbani Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	17,300
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	990	64	10	730	47	7	226	15	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.9	-13.8	-22.0	-3.2	-15.1	-23.4	-8.3	-20.2	-28.4
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.1	59.5	55.7	61.8	58.1	54.4	56.7	53.1	49.3
VEHICULAR NOISE	DAY=	65.2	Leq	EVENING=	63.9	Leq	NIGHT=	58.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 66.8	
		CNEL= 67.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 61	132 283
		CNEL: 67	143 309

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **South of Garbani Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	18,900
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1082	70	10	797	51	8	247	16	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.5	-13.4	-21.6	-2.8	-14.7	-23.0	-7.9	-19.8	-28.1
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.5	59.9	56.1	62.1	58.5	54.8	57.1	53.4	49.7
VEHICULAR NOISE	DAY=	65.6	Leq	EVENING=	64.2	Leq	NIGHT=	59.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 67.2
			CNEL= 67.7
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	65	140 301
	CNEL:	71	152 328

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **North of Scott Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	20,400
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1168	75	11	860	56	8	266	17	3
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.2	-13.1	-21.3	-2.5	-14.4	-22.6	-7.6	-19.5	-27.7
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.8	60.2	56.5	62.5	58.9	55.1	57.4	53.8	50.0
VEHICULAR NOISE	DAY=	65.9	Leq	EVENING=	64.6	Leq	NIGHT=	59.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 67.5	
		CNEL= 68.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 68	147 316
		CNEL: 74	160 345

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Menifee Road**
 Segment: **South of Scott Rd**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	22,600
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1294	84	13	953	62	9	295	19	3
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-0.7	-12.6	-20.9	-2.0	-13.9	-22.2	-7.1	-19.0	-27.3
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	64.3	60.6	56.9	62.9	59.3	55.6	57.8	54.2	50.5
VEHICULAR NOISE	DAY=	66.3	Leq	EVENING=	65.0	Leq	NIGHT=	59.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 67.9	
		CNEL= 68.5	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 73	157 339
		CNEL: 80	171 369

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Lindenger Road**
 Segment: **North of Newport Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	6,500
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	36
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	372	24	4	274	18	3	85	5	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-6.1	-18.0	-26.3	-7.5	-19.4	-27.6	-12.5	-24.4	-32.7
Distance	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5	-4.5
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	58.7	55.1	51.3	57.4	53.7	50.0	52.3	48.7	44.9
VEHICULAR NOISE	DAY=	60.8	Leq	EVENING=	59.5	Leq	NIGHT=	54.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 62.4	
		CNEL= 63.0	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 31	67 144
		CNEL: 34	73 157

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Briggs Road**
 Segment: **North of Pinacate Rd. (SR-74)**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	6,900
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	395	25	4	291	19	3	90	6	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-5.9	-17.8	-26.0	-7.2	-19.1	-27.3	-12.3	-24.2	-32.4
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	59.1	55.5	51.7	57.8	54.1	50.4	52.7	49.1	45.3
VEHICULAR NOISE	DAY=	61.2	Leq	EVENING=	59.9	Leq	NIGHT=	54.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 62.8	
		CNEL= 63.4	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 33	71 154
		CNEL: 36	78 167

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Briggs Road** Analyst **FJS**
 Segment: **South of Pinacate Rd. (SR-74)** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	11,700
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	670	43	6	493	32	5	153	10	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-3.6	-15.5	-23.7	-4.9	-16.8	-25.1	-10.0	-21.9	-30.1
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	61.4	57.8	54.0	60.1	56.4	52.7	55.0	51.4	47.6
VEHICULAR NOISE	DAY=	63.5	Leq	EVENING=	62.2	Leq	NIGHT=	57.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 65.1
			CNEL= 65.6
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	47	101 218
	CNEL:	51	110 238

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Briggs Road**
 Segment: **North of Scott Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	2,700
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	155	10	1	114	7	1	35	2	0
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-9.9	-21.8	-30.1	-11.3	-23.2	-31.4	-16.4	-28.3	-36.5
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	55.0	51.4	47.7	53.7	50.1	46.3	48.6	45.0	41.3
VEHICULAR NOISE	DAY=	57.1	Leq	EVENING=	55.8	Leq	NIGHT=	50.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 58.7
			CNEL= 59.3
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	18	38 82
	CNEL:	19	42 90

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Briggs Road**
 Segment: **South of Scott Rd**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	7,900
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	452	29	4	333	22	3	103	7	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-5.3	-17.2	-25.4	-6.6	-18.5	-26.8	-11.7	-23.6	-31.8
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	59.7	56.1	52.3	58.4	54.7	51.0	53.3	49.6	45.9
VEHICULAR NOISE	DAY=	61.8	Leq	EVENING=	60.4	Leq	NIGHT=	55.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 63.4	
		CNEL= 63.9	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 36	78 168
		CNEL: 39	85 183

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **West of Goetz Rd.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	43,600
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2495	161	24	1839	119	18	570	37	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.7	-10.2	-18.5	0.3	-11.6	-19.8	-4.7	-16.6	-24.9
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.7	64.5	60.5	67.4	63.2	59.1	62.3	58.1	54.1
VEHICULAR NOISE	DAY=	70.6	Leq	EVENING=	69.2	Leq	NIGHT=	64.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 72.2
			CNEL= 72.7
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	139	300 647
	CNEL:	152	327 705

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **Between Goetz Rd & Murrieta Rd.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	50,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2902	187	28	2138	138	21	662	43	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.3	-9.6	-17.8	1.0	-10.9	-19.1	-4.1	-16.0	-24.2
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	69.4	65.1	61.1	68.0	63.8	59.8	63.0	58.7	54.7
VEHICULAR NOISE	DAY=	71.2	Leq	EVENING=	69.9	Leq	NIGHT=	64.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.8	
		CNEL= 73.4	
NOISE CONTOUR:		70 dBA	65 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 154	332
		CNEL: 168	779

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **East of Murrieta Rd.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	57,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3302	213	32	2433	157	24	754	49	7
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.9	-9.0	-17.3	1.6	-10.3	-18.6	-3.5	-15.4	-23.7
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	69.9	65.7	61.7	68.6	64.4	60.4	63.5	59.3	55.3
VEHICULAR NOISE	DAY=	71.8	Leq	EVENING=	70.4	Leq	NIGHT=	65.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 73.4	
		CNEL= 73.9	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 168	362 780
		CNEL: 183	394 849

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **West of I-215 SB Ramp** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	65,900
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3772	244	36	2779	179	27	861	56	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.5	-8.4	-16.7	2.1	-9.8	-18.0	-2.9	-14.8	-23.1
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.9	66.7	62.7	69.6	65.4	61.3	64.5	60.3	56.2
VEHICULAR NOISE	DAY=	72.7	Leq	EVENING=	71.4	Leq	NIGHT=	66.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.4
			CNEL= 74.9
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	195	420 906
	CNEL:	213	458 987

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **Between I-215 SB Ramp & I-215 NB** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	64,200
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3674	237	36	2707	175	26	839	54	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.4	-8.5	-16.8	2.0	-9.9	-18.1	-3.1	-15.0	-23.2
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.8	66.6	62.5	69.5	65.2	61.2	64.4	60.2	56.1
VEHICULAR NOISE	DAY=	72.6	Leq	EVENING=	71.3	Leq	NIGHT=	66.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 74.2	
		CNEL= 74.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	192	413 890
	CNEL:	209	450 970

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **Between I-215 NB Ramp & Encan** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	66,300
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3795	245	37	2796	181	27	866	56	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.5	-8.4	-16.7	2.2	-9.7	-18.0	-2.9	-14.8	-23.1
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.9	66.7	62.7	69.6	65.4	61.4	64.5	60.3	56.3
VEHICULAR NOISE	DAY=	72.8	Leq	EVENING=	71.4	Leq	NIGHT=	66.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.4
			CNEL= 74.9
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	196	422 909
	CNEL:	213	460 991

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **East of Encanto Dr.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	62,200
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3560	230	34	2623	169	25	813	52	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.2	-8.7	-16.9	1.9	-10.0	-18.3	-3.2	-15.1	-23.3
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.7	66.4	62.4	69.3	65.1	61.1	64.2	60.0	56.0
VEHICULAR NOISE	DAY=	72.5	Leq	EVENING=	71.2	Leq	NIGHT=	66.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.1
			CNEL= 74.7
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	188	404 871
	CNEL:	205	441 950

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **West of Meniffee Rd.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	62,300
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3566	230	34	2627	170	25	814	53	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.2	-8.7	-16.9	1.9	-10.0	-18.2	-3.2	-15.1	-23.3
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.7	66.4	62.4	69.3	65.1	61.1	64.2	60.0	56.0
VEHICULAR NOISE	DAY=	72.5	Leq	EVENING=	71.2	Leq	NIGHT=	66.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.1
			CNEL= 74.7
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	188	405 872
	CNEL:	205	441 951

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **East of Menifee Rd.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	64,300
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3680	238	36	2712	175	26	840	54	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.4	-8.5	-16.8	2.0	-9.9	-18.1	-3.1	-15.0	-23.2
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.8	66.6	62.6	69.5	65.2	61.2	64.4	60.2	56.1
VEHICULAR NOISE	DAY=	72.6	Leq	EVENING=	71.3	Leq	NIGHT=	66.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 74.2	
		CNEL= 74.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 192	414 891
		CNEL: 209	451 971

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **West of Briggs Rd.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	64,500
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3692	238	36	2720	176	26	843	54	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.4	-8.5	-16.8	2.1	-9.9	-18.1	-3.0	-14.9	-23.2
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.8	66.6	62.6	69.5	65.3	61.2	64.4	60.2	56.2
VEHICULAR NOISE	DAY=	72.7	Leq	EVENING=	71.3	Leq	NIGHT=	66.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.3
			CNEL= 74.8
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	192	414 893
	CNEL:	210	452 973

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Ethanac/Pinacate Road (SR-74)** Analyst **FJS**
 Segment: **East of Briggs Rd.** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	61,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3531	228	34	2602	168	25	806	52	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.2	-8.7	-17.0	1.9	-10.0	-18.3	-3.2	-15.1	-23.4
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.6	66.4	62.4	69.3	65.1	61.0	64.2	60.0	56.0
VEHICULAR NOISE	DAY=	72.5	Leq	EVENING=	71.1	Leq	NIGHT=	66.0	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.1
			CNEL= 74.6
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	187	402 867
	CNEL:	203	438 944

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **McCall Boulevard**
 Segment: **West of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	11,200
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	641	41	6	472	30	5	146	9	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-3.8	-15.7	-23.9	-5.1	-17.0	-25.2	-10.2	-22.1	-30.3
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	61.2	57.6	53.9	59.9	56.3	52.5	54.8	51.2	47.4
VEHICULAR NOISE	DAY=	63.3	Leq	EVENING=	62.0	Leq	NIGHT=	56.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 64.9	
		CNEL= 65.5	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 46	98 212
		CNEL: 50	107 231

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **McCall Boulevard**
 Segment: **East of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	18,900
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1082	70	10	797	51	8	247	16	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.5	-13.4	-21.6	-2.8	-14.7	-23.0	-7.9	-19.8	-28.1
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.5	59.9	56.1	62.1	58.5	54.8	57.1	53.4	49.7
VEHICULAR NOISE	DAY=	65.6	Leq	EVENING=	64.2	Leq	NIGHT=	59.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 67.2	
		CNEL= 67.7	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 65	140 301
		CNEL: 71	152 328

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **McCall Boulevard**
 Segment: **West of Bradley Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	38,500
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2204	142	21	1624	105	16	503	32	5
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	1.6	-10.3	-18.6	0.3	-11.6	-19.9	-4.8	-16.7	-25.0
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	66.6	62.9	59.2	65.2	61.6	57.9	60.1	56.5	52.8
VEHICULAR NOISE	DAY=	68.7	Leq	EVENING=	67.3	Leq	NIGHT=	62.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 70.3	
		CNEL= 70.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 104	224 483
		CNEL: 113	244 527

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **McCall Boulevard** Analyst **FJS**
 Segment: **Between Bradley Rd & I-215 SB R** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	57,400
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3285	212	32	2421	156	23	750	48	7
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.9	-9.0	-17.3	1.5	-10.4	-18.6	-3.5	-15.4	-23.7
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.3	66.1	62.1	69.0	64.8	60.7	63.9	59.7	55.6
VEHICULAR NOISE	DAY=	72.1	Leq	EVENING=	70.8	Leq	NIGHT=	65.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 73.8
			CNEL= 74.3
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	178	383 826
	CNEL:	194	418 900

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **McCall Boulevard** Analyst **FJS**
 Segment: **Between I-215 SB Ramp & I-215 NB** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	57,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3302	213	32	2433	157	24	754	49	7
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.9	-9.0	-17.3	1.6	-10.3	-18.6	-3.5	-15.4	-23.7
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.3	66.1	62.1	69.0	64.8	60.8	63.9	59.7	55.7
VEHICULAR NOISE	DAY=	72.2	Leq	EVENING=	70.8	Leq	NIGHT=	65.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 73.8
			CNEL= 74.3
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	179	385 829
	CNEL:	195	419 903

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **McCall Boulevard** Analyst **FJS**
 Segment: **Between I-215 NB Ramp & Encan** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	58,800
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3365	217	33	2480	160	24	768	50	7
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.0	-8.9	-17.2	1.6	-10.3	-18.5	-3.4	-15.3	-23.6
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.4	66.2	62.2	69.1	64.9	60.8	64.0	59.8	55.7
VEHICULAR NOISE	DAY=	72.3	Leq	EVENING=	70.9	Leq	NIGHT=	65.8	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 73.9	
		CNEL= 74.4	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	181	390 839
	CNEL:	197	425 915

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **McCall Boulevard**
 Segment: **East of Encanto Dr.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	42,600
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2438	157	24	1796	116	17	557	36	5
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.6	-10.3	-18.6	0.2	-11.7	-19.9	-4.8	-16.7	-25.0
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.6	64.4	60.4	67.3	63.1	59.0	62.2	58.0	53.9
VEHICULAR NOISE	DAY=	70.5	Leq	EVENING=	69.1	Leq	NIGHT=	64.0	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 72.1
			CNEL= 72.6
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	137	296 637
	CNEL:	149	322 694

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **McCall Boulevard**
 Segment: **West of Meniffee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	29,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1700	110	16	1252	81	12	388	25	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.0	-11.9	-20.1	-1.3	-13.2	-21.5	-6.4	-18.3	-26.6
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.0	62.8	58.8	65.7	61.5	57.5	60.6	56.4	52.4
VEHICULAR NOISE	DAY=	68.9	Leq	EVENING=	67.6	Leq	NIGHT=	62.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 70.5	
		CNEL= 71.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 108	232 501
		CNEL: 118	253 546

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **McCall Boulevard**
 Segment: **East of Menifee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	36,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2060	133	20	1518	98	15	470	30	5
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.8	-11.1	-19.3	-0.5	-12.4	-20.6	-5.6	-17.5	-25.7
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.9	63.7	59.6	66.6	62.3	58.3	61.5	57.2	53.2
VEHICULAR NOISE	DAY=	69.7	Leq	EVENING=	68.4	Leq	NIGHT=	63.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 71.3	
		CNEL= 71.9	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	123	264 569
	CNEL:	134	288 620

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Cherry Hills Boulevard**
 Segment: **West of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	2,400
SPEED (mph)	35
ROAD NEAR-FAR LN. DIST.	12
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	137	9	1	101	7	1	31	2	0
Speed in MPH	35	35	35	35	35	35	35	35	35
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	65.1	74.8	80.0	65.1	74.8	80.0	65.1	74.8	80.0
ADJUSTMENTS									
Flow	-9.4	-21.3	-29.5	-10.7	-22.6	-30.8	-15.8	-27.7	-35.9
Distance	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	51.1	49.0	45.9	49.8	47.6	44.6	44.7	42.5	39.5
VEHICULAR NOISE	DAY=	53.9	Leq	EVENING=	52.6	Leq	NIGHT=	47.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 55.5	
		CNEL= 56.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 11	23 50
		CNEL: 12	26 55

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Cherry Hills Boulevard**
 Segment: **East of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	2,800
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	160	10	2	118	8	1	37	2	0
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-9.8	-21.7	-29.9	-11.1	-23.0	-31.3	-16.2	-28.1	-36.4
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	55.2	51.6	47.8	53.9	50.2	46.5	48.8	45.1	41.4
VEHICULAR NOISE	DAY=	57.3	Leq	EVENING=	55.9	Leq	NIGHT=	50.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 58.9	
		CNEL= 59.4	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 18	39 84
		CNEL: 20	43 92

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Cherry Hills Boulevard**
 Segment: **West of Bradley Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	5,600
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	321	21	3	236	15	2	73	5	1
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-6.8	-18.7	-26.9	-8.1	-20.0	-28.3	-13.2	-25.1	-33.3
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	58.2	54.6	50.8	56.9	53.2	49.5	51.8	48.2	44.4
VEHICULAR NOISE	DAY=	60.3	Leq	EVENING=	59.0	Leq	NIGHT=	53.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 61.9	
		CNEL= 62.4	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 29	62 134
		CNEL: 31	68 146

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **West of Goetz Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	29,600
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1694	109	16	1248	81	12	387	25	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.0	-11.9	-20.2	-1.3	-13.2	-21.5	-6.4	-18.3	-26.6
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.0	62.8	58.8	65.7	61.5	57.5	60.6	56.4	52.4
VEHICULAR NOISE	DAY=	68.9	Leq	EVENING=	67.5	Leq	NIGHT=	62.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 70.5
			CNEL= 71.0
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	108	232 500
	CNEL:	117	253 544

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **East of Goetz Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	39,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2232	144	22	1645	106	16	509	33	5
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.2	-10.7	-19.0	-0.1	-12.0	-20.3	-5.2	-17.1	-25.4
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.2	64.0	60.0	66.9	62.7	58.7	61.8	57.6	53.6
VEHICULAR NOISE	DAY=	70.1	Leq	EVENING=	68.7	Leq	NIGHT=	63.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 71.7
			CNEL= 72.2
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	129	279 600
	CNEL:	141	304 654

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **West of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	44,900
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2570	166	25	1893	122	18	587	38	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.8	-10.1	-18.3	0.5	-11.4	-19.7	-4.6	-16.5	-24.8
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.8	64.6	60.6	67.5	63.3	59.3	62.4	58.2	54.2
VEHICULAR NOISE	DAY=	70.7	Leq	EVENING=	69.4	Leq	NIGHT=	64.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 72.3
			CNEL= 72.8
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	142	306 660
	CNEL:	155	334 719

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **East of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	50,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2862	185	28	2108	136	20	653	42	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.3	-9.6	-17.9	0.9	-11.0	-19.2	-4.1	-16.0	-24.3
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	69.3	65.1	61.1	68.0	63.8	59.7	62.9	58.7	54.6
VEHICULAR NOISE	DAY=	71.1	Leq	EVENING=	69.8	Leq	NIGHT=	64.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.8	
		CNEL= 73.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 153	329 709
		CNEL: 166	358 772

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **West of Bradley Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	43,800
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2507	162	24	1847	119	18	572	37	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.7	-10.2	-18.5	0.4	-11.5	-19.8	-4.7	-16.6	-24.9
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.7	64.5	60.5	67.4	63.2	59.2	62.3	58.1	54.1
VEHICULAR NOISE	DAY=	70.6	Leq	EVENING=	69.2	Leq	NIGHT=	64.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.2	
		CNEL= 72.7	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 140	301 649
		CNEL: 152	328 707

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **East of Bradley Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	49,600
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2839	183	27	2092	135	20	648	42	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.2	-9.7	-17.9	0.9	-11.0	-19.2	-4.2	-16.1	-24.3
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	69.3	65.0	61.0	67.9	63.7	59.7	62.9	58.6	54.6
VEHICULAR NOISE	DAY=	71.1	Leq	EVENING=	69.8	Leq	NIGHT=	64.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.7	
		CNEL= 73.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 152	327 705
		CNEL: 165	356 768

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **West of Haun Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	56,800
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3251	210	31	2395	155	23	742	48	7
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.8	-9.1	-17.3	1.5	-10.4	-18.6	-3.6	-15.5	-23.7
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	69.9	65.6	61.6	68.5	64.3	60.3	63.4	59.2	55.2
VEHICULAR NOISE	DAY=	71.7	Leq	EVENING=	70.4	Leq	NIGHT=	65.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 73.3	
		CNEL= 73.9	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	166	358 771
	CNEL:	181	390 841

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Newport Road** Analyst **FJS**
 Segment: **Between Haun Rd. & I-215 SB Rai** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	75,500
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	4321	279	42	3184	206	31	986	64	10
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	4.1	-7.8	-16.1	2.7	-9.2	-17.4	-2.4	-14.3	-22.5
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	71.5	67.3	63.3	70.2	65.9	61.9	65.1	60.9	56.8
VEHICULAR NOISE	DAY=	73.3	Leq	EVENING=	72.0	Leq	NIGHT=	66.9	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.9
			CNEL= 75.5
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	214	460 992
	CNEL:	233	502 1081

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Newport Road** Analyst **FJS**
 Segment: **Between I-215 SB Ramp & I-215 NB** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	64,500
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3692	238	36	2720	176	26	843	54	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.4	-8.5	-16.8	2.1	-9.9	-18.1	-3.0	-14.9	-23.2
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.8	66.6	62.6	69.5	65.3	61.2	64.4	60.2	56.2
VEHICULAR NOISE	DAY=	72.7	Leq	EVENING=	71.3	Leq	NIGHT=	66.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.3
			CNEL= 74.8
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	192	414 893
	CNEL:	210	452 973

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Newport Road** Analyst: **FJS**
 Segment: **Between I-215 NB Ramp & Antelo** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	60,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	100
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	3474	224	34	2560	165	25	793	51	8
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	3.1	-8.8	-17.0	1.8	-10.1	-18.4	-3.3	-15.2	-23.4
Distance	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	70.5	66.3	62.3	69.2	65.0	61.0	64.1	59.9	55.9
VEHICULAR NOISE	DAY=	72.4	Leq	EVENING=	71.1	Leq	NIGHT=	66.0	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 74.0
			CNEL= 74.6
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	185	398 857
	CNEL:	201	434 934

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **East of Antelope Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	46,200
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2644	171	26	1948	126	19	604	39	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.9	-10.0	-18.2	0.6	-11.3	-19.5	-4.5	-16.4	-24.6
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	69.0	64.7	60.7	67.6	63.4	59.4	62.5	58.3	54.3
VEHICULAR NOISE	DAY=	70.8	Leq	EVENING=	69.5	Leq	NIGHT=	64.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 72.4
			CNEL= 73.0
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	145	312 672
	CNEL:	158	340 732

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **West of Meniffee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	44,200
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2530	163	24	1864	120	18	577	37	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.7	-10.2	-18.4	0.4	-11.5	-19.7	-4.7	-16.6	-24.8
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.8	64.5	60.5	67.4	63.2	59.2	62.4	58.1	54.1
VEHICULAR NOISE	DAY=	70.6	Leq	EVENING=	69.3	Leq	NIGHT=	64.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.2	
		CNEL= 72.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 141	303 653
		CNEL: 153	330 711

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **East of Menifee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	24,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1414	91	14	1042	67	10	323	21	3
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	-0.8	-12.7	-20.9	-2.1	-14.0	-22.3	-7.2	-19.1	-27.4
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	66.2	62.0	58.0	64.9	60.7	56.7	59.8	55.6	51.6
VEHICULAR NOISE	DAY=	68.1	Leq	EVENING=	66.8	Leq	NIGHT=	61.7	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 69.7	
		CNEL= 70.3	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 95	206 443
		CNEL: 104	224 482

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **West of Lindenberger Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	28,900
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1654	107	16	1219	79	12	378	24	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	-0.1	-12.0	-20.3	-1.4	-13.3	-21.6	-6.5	-18.4	-26.7
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	66.9	62.7	58.7	65.6	61.4	57.4	60.5	56.3	52.3
VEHICULAR NOISE	DAY=	68.8	Leq	EVENING=	67.4	Leq	NIGHT=	62.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 70.4	
		CNEL= 70.9	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	106	228 492
	CNEL:	115	249 536

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Newport Road**
 Segment: **East of Lindenberger Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	23,800
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1362	88	13	1004	65	10	311	20	3
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	-1.0	-12.9	-21.1	-2.3	-14.2	-22.4	-7.4	-19.3	-27.5
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	66.1	61.9	57.8	64.8	60.5	56.5	59.7	55.4	51.4
VEHICULAR NOISE	DAY=	67.9	Leq	EVENING=	66.6	Leq	NIGHT=	61.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 69.5	
		CNEL= 70.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 93	200 432
		CNEL: 101	218 471

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Holland Road**
 Segment: **West of Meniffee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	19,400
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1110	72	11	818	53	8	253	16	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-1.4	-13.3	-21.5	-2.7	-14.6	-22.9	-7.8	-19.7	-27.9
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	63.6	60.0	56.2	62.3	58.6	54.9	57.2	53.5	49.8
VEHICULAR NOISE	DAY=	65.7	Leq	EVENING=	64.4	Leq	NIGHT=	59.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 67.3	
		CNEL= 67.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 66	142 306
		CNEL: 72	155 333

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Holland Road**
 Segment: **East of Menifee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	13,100
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	750	48	7	552	36	5	171	11	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-3.1	-15.0	-23.2	-4.4	-16.3	-24.6	-9.5	-21.4	-29.7
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	61.9	58.3	54.5	60.6	56.9	53.2	55.5	51.8	48.1
VEHICULAR NOISE	DAY=	64.0	Leq	EVENING=	62.6	Leq	NIGHT=	57.6	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 65.6	
		CNEL= 66.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 51	109 236
		CNEL: 55	119 257

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Garbani Road**
 Segment: **West of Meniffee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	15,100
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	864	56	8	637	41	6	197	13	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-2.5	-14.4	-22.6	-3.8	-15.7	-23.9	-8.9	-20.8	-29.0
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	62.5	58.9	55.1	61.2	57.5	53.8	56.1	52.5	48.7
VEHICULAR NOISE	DAY=	64.6	Leq	EVENING=	63.3	Leq	NIGHT=	58.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 66.2	
		CNEL= 66.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 56	120 259
		CNEL: 61	131 282

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Garbani Road**
 Segment: **East of Menifee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	12,100
SPEED (mph)	45
ROAD NEAR-FAR LN. DIST.	54
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	693	45	7	510	33	5	158	10	2
Speed in MPH	45	45	45	45	45	45	45	45	45
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	69.3	77.6	82.1	69.3	77.6	82.1	69.3	77.6	82.1
ADJUSTMENTS									
Flow	-3.4	-15.3	-23.6	-4.8	-16.7	-24.9	-9.8	-21.7	-30.0
Distance	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	61.5	57.9	54.2	60.2	56.6	52.9	55.1	51.5	47.8
VEHICULAR NOISE	DAY=	63.6	Leq	EVENING=	62.3	Leq	NIGHT=	57.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 65.2	
		CNEL= 65.8	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 48	104 223
		CNEL: 52	113 243

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **West of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	43,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2461	159	24	1813	117	18	562	36	5
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.6	-10.3	-18.5	0.3	-11.6	-19.9	-4.8	-16.7	-24.9
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.7	64.4	60.4	67.3	63.1	59.1	62.2	58.0	54.0
VEHICULAR NOISE	DAY=	70.5	Leq	EVENING=	69.2	Leq	NIGHT=	64.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.1	
		CNEL= 72.7	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 138	297 641
		CNEL: 150	324 698

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **East of Murrieta Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	36,600
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2095	135	20	1543	100	15	478	31	5
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.9	-11.0	-19.2	-0.4	-12.3	-20.6	-5.5	-17.4	-25.6
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.0	63.7	59.7	66.6	62.4	58.4	61.5	57.3	53.3
VEHICULAR NOISE	DAY=	69.8	Leq	EVENING=	68.5	Leq	NIGHT=	63.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 71.4	
		CNEL= 72.0	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 124	267 575
		CNEL: 135	291 627

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **West of Haun Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	38,600
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2209	143	21	1628	105	16	504	33	5
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.1	-10.8	-19.0	-0.2	-12.1	-20.3	-5.3	-17.2	-25.4
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.2	64.0	59.9	66.9	62.6	58.6	61.8	57.5	53.5
VEHICULAR NOISE	DAY=	70.0	Leq	EVENING=	68.7	Leq	NIGHT=	63.6	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 71.6	
		CNEL= 72.2	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 128	277 596
		CNEL: 140	302 650

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Scott Road** Analyst **FJS**
 Segment: **Between Haun Rd. & I-215 SB Rai** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	45,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2576	166	25	1898	123	18	588	38	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.8	-10.1	-18.3	0.5	-11.4	-19.7	-4.6	-16.5	-24.7
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.9	64.6	60.6	67.5	63.3	59.3	62.4	58.2	54.2
VEHICULAR NOISE	DAY=	70.7	Leq	EVENING=	69.4	Leq	NIGHT=	64.3	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 72.3
			CNEL= 72.9
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	142	307 660
	CNEL:	155	334 720

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Scott Road** Analyst **FJS**
 Segment: **Between I-215 SB Ramp & I-215 NB** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	46,000
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2633	170	25	1940	125	19	601	39	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	1.9	-10.0	-18.2	0.6	-11.3	-19.6	-4.5	-16.4	-24.7
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	68.9	64.7	60.7	67.6	63.4	59.4	62.5	58.3	54.3
VEHICULAR NOISE	DAY=	70.8	Leq	EVENING=	69.5	Leq	NIGHT=	64.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 72.4
			CNEL= 73.0
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	144	311 670
	CNEL:	157	339 730

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035** Project: **CITY OF MENIFEE GP EIR**
 Roadway: **Scott Road** Analyst **FJS**
 Segment: **Between I-215 NB Ramp & Antelo** Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	47,700
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2730	176	26	2011	130	19	623	40	6
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	2.1	-9.8	-18.1	0.7	-11.2	-19.4	-4.3	-16.3	-24.5
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	69.1	64.9	60.9	67.8	63.5	59.5	62.7	58.5	54.4
VEHICULAR NOISE	DAY=	70.9	Leq	EVENING=	69.6	Leq	NIGHT=	64.5	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 72.6	
		CNEL= 73.1	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	148	319 687
	CNEL:	161	347 748

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **East of Antelope Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	34,300
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1963	127	19	1446	93	14	448	29	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.6	-11.3	-19.5	-0.7	-12.6	-20.8	-5.8	-17.7	-25.9
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.7	63.4	59.4	66.3	62.1	58.1	61.3	57.0	53.0
VEHICULAR NOISE	DAY=	69.5	Leq	EVENING=	68.2	Leq	NIGHT=	63.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 71.1	
		CNEL= 71.7	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 119	256 551
		CNEL: 129	279 601

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **West of Meniffee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	33,300
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1906	123	18	1404	91	14	435	28	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.5	-11.4	-19.6	-0.8	-12.7	-21.0	-5.9	-17.8	-26.1
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.5	63.3	59.3	66.2	62.0	58.0	61.1	56.9	52.9
VEHICULAR NOISE	DAY=	69.4	Leq	EVENING=	68.1	Leq	NIGHT=	63.0	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 71.0
			CNEL= 71.5
NOISE CONTOUR:		<i>70 dBA</i>	<i>65 dBA</i> <i>60 dBA</i>
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	116	251 540
	CNEL:	127	273 589

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **East of Menifee Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	35,200
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	2015	130	19	1484	96	14	460	30	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.7	-11.2	-19.4	-0.6	-12.5	-20.7	-5.7	-17.6	-25.8
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.8	63.6	59.5	66.5	62.2	58.2	61.4	57.1	53.1
VEHICULAR NOISE	DAY=	69.6	Leq	EVENING=	68.3	Leq	NIGHT=	63.2	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):			Ldn= 71.2
			CNEL= 71.8
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):	Ldn:	121	260 561
	CNEL:	132	284 611

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **West of Briggs Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	34,600
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1980	128	19	1459	94	14	452	29	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.7	-11.2	-19.5	-0.7	-12.6	-20.8	-5.7	-17.6	-25.9
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.7	63.5	59.5	66.4	62.2	58.1	61.3	57.1	53.0
VEHICULAR NOISE	DAY=	69.5	Leq	EVENING=	68.2	Leq	NIGHT=	63.1	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 71.2	
		CNEL= 71.7	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 119	257 554
		CNEL: 130	280 604

FHWA RD-77-108 NOISE PREDICTION MODEL

Scenario: **POST-2035**
 Roadway: **Scott Road**
 Segment: **East of Briggs Rd.**

Project: **CITY OF MENIFEE GP EIR**
 Analyst **FJS**
 Date: **19-Aug-13**

ROADWAY INPUTS	
ADT	29,400
SPEED (mph)	50
ROAD NEAR-FAR LN. DIST.	78
DISTANCE ROAD CL (ft)	100
SOFT/HARD CONDITIONS	Soft
GRADE (%)	0%
LEFT VIEW	-90
RIGHT VIEW	90

VEHICLE MIX INPUTS			
DAILY		HOURLY	
% A	93.1%	DAY	73.8%
% MT	6.0%	EVENING	13.6%
% HT	0.9%	NIGHT	12.6%

CALCULATION AREA									
	DAYTIME			EVENING			NIGHT		
	AUTOS	MT	HT	AUTOS	MT	HT	AUTOS	MT	HT
Vehicles per hour	1683	109	16	1240	80	12	384	25	4
Speed in MPH	50	50	50	50	50	50	50	50	50
Left angle	-90	-90	-90	-90	-90	-90	-90	-90	-90
Right angle	90	90	90	90	90	90	90	90	90
Reference levels (dBA)	71.1	78.8	83.0	71.1	78.8	83.0	71.1	78.8	83.0
ADJUSTMENTS									
Flow	0.0	-11.9	-20.2	-1.4	-13.3	-21.5	-6.5	-18.4	-26.6
Distance	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1
Finite Roadway	0	0	0	0	0	0	0	0	0
Barrier	0	0	0	0	0	0	0	0	0
Grade	0	0	0	0	0	0	0	0	0
LEQ	67.0	62.8	58.8	65.7	61.4	57.4	60.6	56.4	52.3
VEHICULAR NOISE	DAY=	68.8	Leq	EVENING=	67.5	Leq	NIGHT=	62.4	Leq

RESULTS			
NOISE LEVELS AT 100 FEET FROM CENTERLINE (dBA):		Ldn= 70.4	
		CNEL= 71.0	
NOISE CONTOUR:		70 dBA	65 dBA 60 dBA
ROAD CENTERLINE DISTANCE TO NOISE CONTOUR (FEET):		Ldn: 107	231 497
		CNEL: 117	252 542