

Appendix D: Noise Analysis Supporting Information

File Translated: C:\Vista Env\2007\070404 - San Ramon\Noise Measurements\LD\1.slm~~l~~
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.261 / 3.120
Name: Vista Environmental
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm.ism / Simple Integrating SLM
Location:
Notel:
Note2:

Current Any Data

Start Time: 04-Jun-2007 03:22:55
Elapsed Time: 00:15:30.1

	A Weight	C Weight	Flat
Leq:	71.8 dBA	79.6 dBC	80.4 dBF
SEL:	101.5 dBA	109.3 dBC	110.1 dBF
Peak:	101.4 dBA	108.8 dBC	109.9 dBF
04-Jun-2007 03:30:31		04-Jun-2007 03:36:49	04-Jun-2007 03:36:49
Lmax (slow):	80.7 dBA	99.2 dBC	100.2 dBF
04-Jun-2007 03:36:50		04-Jun-2007 03:36:49	04-Jun-2007 03:36:49
Lmin (slow):	64.7 dBA	69.3 dBC	69.9 dBF
04-Jun-2007 03:27:46		04-Jun-2007 03:33:12	04-Jun-2007 03:33:13
Lmax (fast):	83.4 dBA	102.6 dBC	103.6 dBF
04-Jun-2007 03:36:50		04-Jun-2007 03:36:49	04-Jun-2007 03:36:49
Lmin (fast):	64.0 dBA	68.5 dBC	69.0 dBF
04-Jun-2007 03:27:43		04-Jun-2007 03:33:12	04-Jun-2007 03:33:12
Lmax (impulse):	83.9 dBA	104.0 dBC	105.0 dBF
04-Jun-2007 03:36:50		04-Jun-2007 03:36:49	04-Jun-2007 03:36:49
Lmin (impulse):	64.4 dBA	69.7 dBC	70.3 dBF
04-Jun-2007 03:27:44		04-Jun-2007 03:33:11	04-Jun-2007 03:33:11

File Translated: C:\Vista Env\2007\070404 - San Ramon\Noise Measurements\LD\10.slmdl
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.261 / 3.120
Name: Vista Environmental
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm.ism / Simple Integrating SLM
Location:
Notel:
Note2:

Current Any Data

Start Time: 04-Jun-2007 19:11:08
Elapsed Time: 00:10:01.1

	A Weight	C Weight	Flat
Leq:	71.9 dBA	84.8 dBC	85.7 dBF
SEL:	99.7 dBA	112.6 dBC	113.5 dBF
Peak:	97.6 dBA	105.5 dBC	106.3 dBF
04-Jun-2007 19:12:40		04-Jun-2007 19:19:29	04-Jun-2007 19:19:29
Lmax (slow):	80.5 dBA	100.3 dBC	101.1 dBF
04-Jun-2007 19:11:34		04-Jun-2007 19:19:30	04-Jun-2007 19:19:30
Lmin (slow):	66.6 dBA	71.7 dBC	72.4 dBF
04-Jun-2007 19:14:57		04-Jun-2007 19:14:55	04-Jun-2007 19:14:55
Lmax (fast):	82.4 dBA	100.6 dBC	101.5 dBF
04-Jun-2007 19:11:34		04-Jun-2007 19:19:30	04-Jun-2007 19:19:29
Lmin (fast):	65.6 dBA	70.7 dBC	71.1 dBF
04-Jun-2007 19:14:54		04-Jun-2007 19:14:55	04-Jun-2007 19:14:55
Lmax (impulse):	82.8 dBA	100.9 dBC	101.9 dBF
04-Jun-2007 19:11:34		04-Jun-2007 19:19:29	04-Jun-2007 19:19:28
Lmin (impulse):	66.3 dBA	72.3 dBC	72.9 dBF
04-Jun-2007 19:14:54		04-Jun-2007 19:17:14	04-Jun-2007 19:14:55

File Translated: C:\Vista Env\2007\070404 - San Ramon\Noise Measurements\LD\3.slmdl
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.261 / 3.120
Name: Vista Environmental
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm.ism / Simple Integrating SLM
Location:
Notel:
Note2:

Current Any Data

Start Time: 04-Jun-2007 04:16:30
Elapsed Time: 00:11:00.6

	A Weight	C Weight	Flat
Leq:	67.1 dBA	77.7 dBC	79.1 dBF
SEL:	95.4 dBA	105.9 dBC	107.3 dBF
Peak:	101.5 dBA	107.1 dBC	107.3 dBF
04-Jun-2007 04:25:27		04-Jun-2007 04:25:27	04-Jun-2007 04:25:27
Lmax (slow):	84.9 dBA	95.2 dBC	95.4 dBF
04-Jun-2007 04:25:26		04-Jun-2007 04:25:26	04-Jun-2007 04:25:26
Lmin (slow):	58.5 dBA	69.9 dBC	71.3 dBF
04-Jun-2007 04:23:28		04-Jun-2007 04:26:19	04-Jun-2007 04:26:23
Lmax (fast):	87.9 dBA	97.1 dBC	97.2 dBF
04-Jun-2007 04:25:26		04-Jun-2007 04:25:26	04-Jun-2007 04:25:26
Lmin (fast):	57.8 dBA	68.1 dBC	69.5 dBF
04-Jun-2007 04:23:26		04-Jun-2007 04:26:18	04-Jun-2007 04:26:18
Lmax (impulse):	88.8 dBA	97.8 dBC	97.9 dBF
04-Jun-2007 04:25:26		04-Jun-2007 04:25:26	04-Jun-2007 04:25:26
Lmin (impulse):	58.0 dBA	71.0 dBC	72.1 dBF
04-Jun-2007 04:23:26		04-Jun-2007 04:26:19	04-Jun-2007 04:26:15

File Translated: C:\Vista Env\2007\070404 - San Ramon\Noise Measurements\LD\12.slmdl
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.261 / 3.120
Name: Vista Environmental
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm.ism / Simple Integrating SLM
Location:
Notel:
Note2:

Current Any Data

Start Time: 04-Jun-2007 19:50:08
Elapsed Time: 00:10:00.4

	A Weight	C Weight	Flat
Leq:	65.1 dBA	76.0 dBC	76.9 dBF
SEL:	92.9 dBA	103.8 dBC	104.7 dBF
Peak:	95.9 dBA	100.6 dBC	101.7 dBF
04-Jun-2007 19:52:32		04-Jun-2007 19:52:33	04-Jun-2007 19:52:33
Lmax (slow):	81.7 dBA	88.5 dBC	89.2 dBF
04-Jun-2007 19:52:33		04-Jun-2007 19:52:33	04-Jun-2007 19:52:33
Lmin (slow):	58.1 dBA	69.3 dBC	70.4 dBF
04-Jun-2007 19:55:10		04-Jun-2007 19:55:13	04-Jun-2007 19:55:12
Lmax (fast):	83.6 dBA	90.6 dBC	91.2 dBF
04-Jun-2007 19:52:32		04-Jun-2007 19:52:33	04-Jun-2007 19:52:33
Lmin (fast):	57.3 dBA	68.2 dBC	69.2 dBF
04-Jun-2007 19:55:09		04-Jun-2007 19:55:12	04-Jun-2007 19:55:12
Lmax (impulse):	84.3 dBA	91.2 dBC	92.2 dBF
04-Jun-2007 19:52:32		04-Jun-2007 19:52:33	04-Jun-2007 19:52:33
Lmin (impulse):	57.7 dBA	68.2 dBC	68.8 dBF
04-Jun-2007 19:55:10		04-Jun-2007 19:50:08	04-Jun-2007 19:50:08

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\2 AM.slm1
 Model/Serial Number: 824 / A3176
 Firmware/Software Revs: 4.283 / 3.120
 Name:
 Descr1: 1021 Didrikson Way
 Descr2: Laguna Beach, CA 92651
 Setup/Setup Descr: slm&rtta.ssa / SLM & Real-Time Analyzer
 Location: 50' E of Bishop Dr
 Notel: 160' E of I-680
 Note2: 60' SE of Toyota Driveway

Overall Any Data

Start Time: 04-Mar-2010 07:45:27
 Elapsed Time: 00:10:00.6

	A Weight	C Weight	Flat
Leq:	72.8 dBA	78.3 dBC	78.8 dBF
SEL:	100.6 dBA	106.1 dBC	106.6 dBF
Peak:	93.7 dBA	96.8 dBC	97.2 dBF
04-Mar-2010 07:49:33		04-Mar-2010 07:52:56	04-Mar-2010 07:52:56
Lmax (slow):	77.0 dBA	85.9 dBC	86.2 dBF
04-Mar-2010 07:52:57		04-Mar-2010 07:46:54	04-Mar-2010 07:46:54
Lmin (slow):	69.2 dBA	73.7 dBC	74.1 dBF
04-Mar-2010 07:54:45		04-Mar-2010 07:47:44	04-Mar-2010 07:47:44
Lmax (fast):	78.6 dBA	87.8 dBC	88.1 dBF
04-Mar-2010 07:52:57		04-Mar-2010 07:46:53	04-Mar-2010 07:46:53
Lmin (fast):	68.4 dBA	73.1 dBC	73.5 dBF
04-Mar-2010 07:54:45		04-Mar-2010 07:47:43	04-Mar-2010 07:47:43
Lmax (impulse):	79.3 dBA	88.7 dBC	89.0 dBF
04-Mar-2010 07:52:57		04-Mar-2010 07:46:53	04-Mar-2010 07:46:53
Lmin (impulse):	68.6 dBA	73.7 dBC	74.2 dBF
04-Mar-2010 07:54:45		04-Mar-2010 07:47:43	04-Mar-2010 07:47:43

Spectra

Date: 04-Mar-2010
 Time: 07:45:27
 Run Time: 00:10:00.6

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	58.9		66.1		36.4		630	61.7		66.3		55.0	
16.0	62.1	66.0	73.4	75.1	46.6	49.6	800	65.4		73.6		59.4	
20.0	62.1		67.9		46.2		1000	65.7	70.0	70.1	76.2	60.5	64.6
25.0	63.5		72.7		49.0		1250	64.5		69.1		59.6	
31.5	64.0	68.8	78.3	81.2	50.7	55.1	1600	64.1		67.6		59.5	
40.0	64.5		76.5		50.9		2000	61.9	66.8	64.7	70.0	55.5	61.5
50.0	65.4		73.8		51.8		2500	58.2		61.4		52.6	
63.0	69.0	73.4	74.8	79.2	57.4	61.2	3150	54.5		58.7		48.5	
80.0	70.3		74.5		57.9		4000	50.6	56.4	55.5	60.9	43.3	49.9
100	68.7		76.9		58.3		5000	46.2		51.5		38.1	
125	69.8	73.5	76.7	80.6	59.1	62.9	6300	41.9		48.4		33.1	
160	67.5		72.7		56.6		8000	37.0	43.4	44.5	50.3	27.0	34.3
200	64.5		75.1		55.8		10000	31.6		40.0		21.0	
250	62.3	67.3	70.4	76.7	54.0	59.1	12500	26.1		33.2		18.9	
315	59.4		65.9		52.6		16000	22.9	28.9	30.3	35.4	19.7	24.8
400	57.7		65.1		50.2		20000	22.5		24.9		21.1	
500	60.1	64.9	65.1	70.3	50.9	57.4							

Ln Start Level: 15 dB
 L1.00 0.0 dBA L50.00 0.0 dBA L95.00 0.0 dBA
 L5.00 0.0 dBA L90.00 0.0 dBA L99.00 0.0 dBA

Detector: Slow
 Weighting: A
 SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
 SPL Exceedance level 2: 120 dB Exceeded: 0 times
 Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
 Peak-2 Exceedance Level: 100 dB Exceeded: 0 times
 Hysteresis: 2
 Overloaded: 0 time(s)
 Paused: 0 times for 00:00:00.0

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\2 AM.slmdl
Model/Serial Number: 824 / A3176

Current Any Data

Start Time: 04-Mar-2010 07:45:27
Elapsed Time: 00:10:00.6

	A Weight	C Weight	Flat
Leq:	72.8 dBA	78.3 dBC	78.8 dBF
SEL:	100.6 dBA	106.1 dBC	106.6 dBF
Peak:	93.7 dBA	96.8 dBC	97.2 dBF
04-Mar-2010 07:49:33		04-Mar-2010 07:52:56	04-Mar-2010 07:52:56
Lmax (slow):	77.0 dBA	85.9 dBC	86.2 dBF
04-Mar-2010 07:52:57		04-Mar-2010 07:46:54	04-Mar-2010 07:46:54
Lmin (slow):	69.2 dBA	73.7 dBC	74.1 dBF
04-Mar-2010 07:54:45		04-Mar-2010 07:47:44	04-Mar-2010 07:47:44
Lmax (fast):	78.6 dBA	87.8 dBC	88.1 dBF
04-Mar-2010 07:52:57		04-Mar-2010 07:46:53	04-Mar-2010 07:46:53
Lmin (fast):	68.4 dBA	73.1 dBC	73.5 dBF
04-Mar-2010 07:54:45		04-Mar-2010 07:47:43	04-Mar-2010 07:47:43
Lmax (impulse):	79.3 dBA	88.7 dBC	89.0 dBF
04-Mar-2010 07:52:57		04-Mar-2010 07:46:53	04-Mar-2010 07:46:53
Lmin (impulse):	68.6 dBA	73.7 dBC	74.2 dBF
04-Mar-2010 07:54:45		04-Mar-2010 07:47:43	04-Mar-2010 07:47:43

Calibrated:	04-Mar-2010 16:03:05	Offset:	-48.5 dB
Checked:	04-Mar-2010 16:03:05	Level:	94.1 dB
Calibrator	not set	Level:	94.0 dB
Cal Records Count:	0		

Interval Records:	Disabled	Number Interval Records:	0
History Records:	Disabled	Number History Records:	0
Run/Stop Records:		Number Run/Stop Records:	2

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\2 PM.slm1
 Model/Serial Number: 824 / A3176
 Firmware/Software Revs: 4.283 / 3.120
 Name:
 Descr1: 1021 Didrikson Way
 Descr2: Laguna Beach, CA 92651
 Setup/Setup Descr: slm&rtta.ssa / SLM & Real-Time Analyzer
 Location: 50' E of Bishop Dr
 Notel: 160' E of I-680
 Note2: 60' SE of Toyota Driveway

Overall Any Data

Start Time: 04-Mar-2010 16:23:32
 Elapsed Time: 00:12:00.6

	A Weight	C Weight	Flat
Leq:	73.1 dBA	79.0 dBC	79.4 dBF
SEL:	101.7 dBA	107.6 dBC	108.0 dBF
Peak:	93.1 dBA	97.0 dBC	97.0 dBF
04-Mar-2010 16:30:07		04-Mar-2010 16:24:40	04-Mar-2010 16:24:40
Lmax (slow):	75.8 dBA	85.8 dBC	86.3 dBF
04-Mar-2010 16:24:40		04-Mar-2010 16:30:12	04-Mar-2010 16:30:12
Lmin (slow):	69.5 dBA	74.0 dBC	74.4 dBF
04-Mar-2010 16:35:23		04-Mar-2010 16:31:31	04-Mar-2010 16:23:32
Lmax (fast):	77.1 dBA	86.9 dBC	87.4 dBF
04-Mar-2010 16:24:40		04-Mar-2010 16:30:09	04-Mar-2010 16:30:11
Lmin (fast):	68.7 dBA	73.2 dBC	73.6 dBF
04-Mar-2010 16:35:23		04-Mar-2010 16:31:31	04-Mar-2010 16:31:31
Lmax (impulse):	77.5 dBA	88.0 dBC	88.5 dBF
04-Mar-2010 16:24:40		04-Mar-2010 16:30:10	04-Mar-2010 16:30:10
Lmin (impulse):	69.3 dBA	73.8 dBC	74.2 dBF
04-Mar-2010 16:35:23		04-Mar-2010 16:23:32	04-Mar-2010 16:23:32

Spectra

Date Time Run Time
 04-Mar-2010 16:23:32 00:12:00.6

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	58.5		69.4		41.4		630	62.3		65.3		56.4	
16.0	61.6	65.8	77.9	80.4	46.3	50.3	800	65.9		68.4		59.8	
20.0	62.2		76.0		47.1		1000	66.4	70.5	68.2	72.4	61.1	65.0
25.0	62.5		79.1		50.0		1250	64.7		66.0		59.8	
31.5	62.8	67.8	73.9	80.7	48.4	54.9	1600	64.3		66.1		59.8	
40.0	63.8		70.5		51.5		2000	61.7	66.8	63.3	68.7	56.3	62.0
50.0	65.2		75.2		53.6		2500	58.1		60.7		53.1	
63.0	70.2	73.8	74.4	79.7	57.7	61.8	3150	53.9		59.1		48.5	
80.0	70.2		75.0		58.5		4000	50.1	55.8	56.5	61.6	44.2	50.2
100	70.9		72.8		58.9		5000	45.5		52.8		38.5	
125	71.2	74.9	74.9	80.7	55.8	62.3	6300	40.9		49.4		32.4	
160	67.2		78.3		57.4		8000	36.0	42.4	45.1	51.2	25.4	33.4
200	64.8		76.5		56.0		10000	31.0		41.4		19.6	
250	62.8	67.6	74.0	79.4	54.7	59.2	12500	26.2		37.3		17.4	
315	59.4		72.4		51.2		16000	23.7	29.4	31.7	38.6	18.3	23.4
400	57.3		68.2		49.5		20000	23.3		25.1		19.9	
500	58.8	64.8	64.7	71.1	52.0	58.4							

Ln Start Level: 15 dB
 L1.00 0.0 dBA L50.00 0.0 dBA L95.00 0.0 dBA
 L5.00 0.0 dBA L90.00 0.0 dBA L99.00 0.0 dBA

Detector: Slow
 Weighting: A
 SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
 SPL Exceedance level 2: 120 dB Exceeded: 0 times
 Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
 Peak-2 Exceedance Level: 100 dB Exceeded: 0 times
 Hysteresis: 2
 Overloaded: 0 time(s)
 Paused: 0 times for 00:00:00.0

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\2 PM.slmdl
 Model/Serial Number: 824 / A3176

Current Any Data

Start Time: 04-Mar-2010 16:23:32
 Elapsed Time: 00:12:00.6

	A Weight	C Weight	Flat
Leq:	73.1 dBA	79.0 dBC	79.4 dBF
SEL:	101.7 dBA	107.6 dBC	108.0 dBF
Peak:	93.1 dBA	97.0 dBC	97.0 dBF
04-Mar-2010 16:30:07		04-Mar-2010 16:24:40	04-Mar-2010 16:24:40
Lmax (slow):	75.8 dBA	85.8 dBC	86.3 dBF
04-Mar-2010 16:24:40		04-Mar-2010 16:30:12	04-Mar-2010 16:30:12
Lmin (slow):	69.5 dBA	74.0 dBC	74.4 dBF
04-Mar-2010 16:35:23		04-Mar-2010 16:31:31	04-Mar-2010 16:23:32
Lmax (fast):	77.1 dBA	86.9 dBC	87.4 dBF
04-Mar-2010 16:24:40		04-Mar-2010 16:30:09	04-Mar-2010 16:30:11
Lmin (fast):	68.7 dBA	73.2 dBC	73.6 dBF
04-Mar-2010 16:35:23		04-Mar-2010 16:31:31	04-Mar-2010 16:31:31
Lmax (impulse):	77.5 dBA	88.0 dBC	88.5 dBF
04-Mar-2010 16:24:40		04-Mar-2010 16:30:10	04-Mar-2010 16:30:10
Lmin (impulse):	69.3 dBA	73.8 dBC	74.2 dBF
04-Mar-2010 16:35:23		04-Mar-2010 16:23:32	04-Mar-2010 16:23:32

Calibrated:	04-Mar-2010 16:03:05	Offset:	-48.7 dB
Checked:	04-Mar-2010 16:03:05	Level:	94.0 dB
Calibrator	not set	Level:	94.0 dB
Cal Records Count:	0		

Interval Records:	Disabled	Number Interval Records:	0
History Records:	Disabled	Number History Records:	0
Run/Stop Records:		Number Run/Stop Records:	2

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\3 AM.slmddl
 Model/Serial Number: 824 / A3176
 Firmware/Software Revs: 4.283 / 3.120
 Name:
 Descr1: 1021 Didrikson Way
 Descr2: Laguna Beach, CA 92651
 Setup/Setup Descr: slm&rtta.ssa / SLM & Real-Time Analyzer
 Location: 110' NE of Alcosta Blvd
 Notel: 110' NW of Norris Canyon Rd
 Note2: Behind 6' wall next to apartments

Overall Any Data

Start Time: 04-Mar-2010 08:04:42
 Elapsed Time: 00:11:00.5

	A Weight	C Weight	Flat
Leq:	58.0 dBA	69.3 dBC	70.2 dBF
SEL:	86.2 dBA	97.5 dBC	98.4 dBF
Peak:	90.0 dBA	97.4 dBC	99.1 dBF
04-Mar-2010 08:07:10		04-Mar-2010 08:14:58	04-Mar-2010 08:14:58
Lmax (slow):	75.8 dBA	79.9 dBC	80.3 dBF
04-Mar-2010 08:07:15		04-Mar-2010 08:07:16	04-Mar-2010 08:07:16
Lmin (slow):	48.5 dBA	60.9 dBC	62.6 dBF
04-Mar-2010 08:10:58		04-Mar-2010 08:06:45	04-Mar-2010 08:06:45
Lmax (fast):	77.3 dBA	84.0 dBC	85.6 dBF
04-Mar-2010 08:07:15		04-Mar-2010 08:14:58	04-Mar-2010 08:14:58
Lmin (fast):	47.7 dBA	58.5 dBC	60.2 dBF
04-Mar-2010 08:10:56		04-Mar-2010 08:06:43	04-Mar-2010 08:06:36
Lmax (impulse):	77.7 dBA	87.4 dBC	88.9 dBF
04-Mar-2010 08:07:15		04-Mar-2010 08:14:58	04-Mar-2010 08:14:58
Lmin (impulse):	48.8 dBA	61.8 dBC	63.7 dBF
04-Mar-2010 08:10:54		04-Mar-2010 08:06:45	04-Mar-2010 08:06:45

Spectra

Date: 04-Mar-2010
 Time: 08:04:42
 Run Time: 00:11:00.5

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	53.9		60.5		35.2		630	46.7		61.4		36.2	
16.0	55.0	59.5	64.6	68.3	35.0	43.1	800	47.4		63.4		37.8	
20.0	55.3		64.5		41.4		1000	48.5	53.4	65.5	71.0	38.6	43.1
25.0	57.9		63.1		42.5		1250	49.8		68.4		38.6	
31.5	59.7	65.2	66.2	72.0	46.2	51.3	1600	49.4		70.7		36.5	
40.0	62.4		69.8		48.8		2000	45.8	51.9	64.1	72.1	34.5	39.5
50.0	60.9		66.6		45.4		2500	44.6		63.0		32.0	
63.0	60.1	65.3	64.7	79.5	43.7	48.6	3150	42.7		62.0		30.6	
80.0	60.4		79.1		41.4		4000	40.8	45.7	60.8	65.2	28.7	33.7
100	62.0		69.6		40.1		5000	37.9		57.4		26.6	
125	61.5	65.0	66.4	72.4	41.2	44.6	6300	35.0		53.4		23.5	
160	53.0		65.8		37.2		8000	31.0	36.9	49.2	55.3	20.9	26.3
200	50.9		63.8		36.1		10000	26.9		45.9		19.0	
250	48.5	53.8	62.5	69.7	33.3	39.1	12500	32.2		44.5		18.2	
315	46.6		67.1		32.9		16000	22.1	33.0	38.8	45.7	19.2	24.2
400	45.5		63.3		34.1		20000	22.2		30.9		20.6	
500	46.4	51.0	63.7	67.7	35.3	40.1							

Ln Start Level: 15 dB
 L1.00 0.0 dBA L50.00 0.0 dBA L95.00 0.0 dBA
 L5.00 0.0 dBA L90.00 0.0 dBA L99.00 0.0 dBA

Detector: Slow
 Weighting: A
 SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
 SPL Exceedance level 2: 120 dB Exceeded: 0 times
 Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
 Peak-2 Exceedance Level: 100 dB Exceeded: 0 times
 Hysteresis: 2
 Overloaded: 0 time(s)
 Paused: 0 times for 00:00:00.0

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\3 AM.slmdl
Model/Serial Number: 824 / A3176

Current Any Data

Start Time: 04-Mar-2010 08:04:42
Elapsed Time: 00:11:00.5

	A Weight	C Weight	Flat
Leq:	58.0 dBA	69.3 dBC	70.2 dBF
SEL:	86.2 dBA	97.5 dBC	98.4 dBF
Peak:	90.0 dBA	97.4 dBC	99.1 dBF
04-Mar-2010 08:07:10		04-Mar-2010 08:14:58	04-Mar-2010 08:14:58
Lmax (slow):	75.8 dBA	79.9 dBC	80.3 dBF
04-Mar-2010 08:07:15		04-Mar-2010 08:07:16	04-Mar-2010 08:07:16
Lmin (slow):	48.5 dBA	60.9 dBC	62.6 dBF
04-Mar-2010 08:10:58		04-Mar-2010 08:06:45	04-Mar-2010 08:06:45
Lmax (fast):	77.3 dBA	84.0 dBC	85.6 dBF
04-Mar-2010 08:07:15		04-Mar-2010 08:14:58	04-Mar-2010 08:14:58
Lmin (fast):	47.7 dBA	58.5 dBC	60.2 dBF
04-Mar-2010 08:10:56		04-Mar-2010 08:06:43	04-Mar-2010 08:06:36
Lmax (impulse):	77.7 dBA	87.4 dBC	88.9 dBF
04-Mar-2010 08:07:15		04-Mar-2010 08:14:58	04-Mar-2010 08:14:58
Lmin (impulse):	48.8 dBA	61.8 dBC	63.7 dBF
04-Mar-2010 08:10:54		04-Mar-2010 08:06:45	04-Mar-2010 08:06:45

Calibrated:	04-Mar-2010 16:03:05	Offset:	-48.5 dB
Checked:	04-Mar-2010 16:03:05	Level:	94.1 dB
Calibrator	not set	Level:	94.0 dB
Cal Records Count:	0		

Interval Records:	Disabled	Number Interval Records:	0
History Records:	Disabled	Number History Records:	0
Run/Stop Records:		Number Run/Stop Records:	2

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\3 PM.slm1
 Model/Serial Number: 824 / A3176
 Firmware/Software Revs: 4.283 / 3.120
 Name:
 Descr1: 1021 Didrikson Way
 Descr2: Laguna Beach, CA 92651
 Setup/Setup Descr: slm&rtta.ssa / SLM & Real-Time Analyzer
 Location: 110' NE of Alcosta Blvd
 Notel: 110' NW of Norris Canyon Rd
 Note2: Behind 6' wall next to apartments

Overall Any Data

Start Time: 04-Mar-2010 16:44:19
 Elapsed Time: 00:13:00.5

	A Weight	C Weight	Flat
Leq:	56.2 dBA	67.7 dBC	68.7 dBF
SEL:	85.2 dBA	96.6 dBC	97.7 dBF
Peak:	87.1 dBA	91.9 dBC	93.8 dBF
04-Mar-2010 16:45:38	04-Mar-2010 16:56:48	04-Mar-2010 16:56:48	
Lmax (slow):	65.8 dBA	82.4 dBC	83.1 dBF
04-Mar-2010 16:46:21	04-Mar-2010 16:48:14	04-Mar-2010 16:48:14	
Lmin (slow):	52.1 dBA	59.8 dBC	61.3 dBF
04-Mar-2010 16:54:01	04-Mar-2010 16:44:20	04-Mar-2010 16:44:19	
Lmax (fast):	71.4 dBA	83.8 dBC	84.4 dBF
04-Mar-2010 16:45:38	04-Mar-2010 16:48:13	04-Mar-2010 16:48:13	
Lmin (fast):	51.4 dBA	58.6 dBC	59.8 dBF
04-Mar-2010 16:47:41	04-Mar-2010 16:54:45	04-Mar-2010 16:54:45	
Lmax (impulse):	75.3 dBA	84.7 dBC	85.7 dBF
04-Mar-2010 16:45:38	04-Mar-2010 16:48:13	04-Mar-2010 16:56:48	
Lmin (impulse):	52.0 dBA	59.8 dBC	61.5 dBF
04-Mar-2010 16:54:01	04-Mar-2010 16:44:20	04-Mar-2010 16:44:20	

Spectra

Date: 04-Mar-2010
 Time: 16:44:19
 Run Time: 00:13:00.5

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	53.6		61.8		36.2		630	47.9		56.5		42.2	
16.0	55.2	59.6	59.5	64.9	38.3	43.5	800	47.9		55.3		42.7	
20.0	55.4		58.2		40.6		1000	48.4	52.5	57.4	60.8	43.2	47.3
25.0	56.9		64.1		41.9		1250	46.9		54.9		41.4	
31.5	57.8	63.1	69.7	74.5	41.1	47.7	1600	45.5		54.9		39.5	
40.0	59.8		72.2		44.8		2000	43.3	48.4	57.0	60.7	36.2	41.7
50.0	62.5		65.3		44.3		2500	40.7		55.5		32.5	
63.0	59.1	65.5	68.5	72.5	40.8	47.0	3150	38.4		52.7		30.5	
80.0	59.8		68.7		40.7		4000	35.9	41.1	50.4	55.4	28.6	33.5
100	58.2		60.8		41.3		5000	33.4		46.8		25.9	
125	55.8	60.8	57.4	63.9	41.4	45.4	6300	30.9		42.2		23.3	
160	52.4		58.4		38.9		8000	28.1	33.4	37.6	43.8	20.3	25.9
200	48.6		57.9		36.8		10000	24.6		32.2		18.4	
250	47.5	52.1	60.4	63.1	37.6	42.1	12500	21.3		24.4		17.4	
315	45.2		55.0		37.4		16000	20.0	25.5	20.3	27.1	18.2	23.3
400	47.0		54.4		38.7		20000	20.7		21.0		19.7	
500	48.1	52.5	58.4	61.5	40.7	45.5							

Ln Start Level: 15 dB
 L1.00 0.0 dBA L50.00 0.0 dBA L95.00 0.0 dBA
 L5.00 0.0 dBA L90.00 0.0 dBA L99.00 0.0 dBA

Detector: Slow
 Weighting: A
 SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
 SPL Exceedance level 2: 120 dB Exceeded: 0 times
 Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
 Peak-2 Exceedance Level: 100 dB Exceeded: 0 times
 Hysteresis: 2
 Overloaded: 0 time(s)
 Paused: 0 times for 00:00:00.0

File Translated: V:\Vista Env\2008\081202-San Ramon GP Update\Noise Measurements\LD\3 PM.slmdl
Model/Serial Number: 824 / A3176

Current Any Data

Start Time: 04-Mar-2010 16:44:19
Elapsed Time: 00:13:00.5

	A Weight	C Weight	Flat
Leq:	56.2 dBA	67.7 dBC	68.7 dBF
SEL:	85.2 dBA	96.6 dBC	97.7 dBF
Peak:	87.1 dBA	91.9 dBC	93.8 dBF
04-Mar-2010 16:45:38		04-Mar-2010 16:56:48	04-Mar-2010 16:56:48
Lmax (slow):	65.8 dBA	82.4 dBC	83.1 dBF
04-Mar-2010 16:46:21		04-Mar-2010 16:48:14	04-Mar-2010 16:48:14
Lmin (slow):	52.1 dBA	59.8 dBC	61.3 dBF
04-Mar-2010 16:54:01		04-Mar-2010 16:44:20	04-Mar-2010 16:44:19
Lmax (fast):	71.4 dBA	83.8 dBC	84.4 dBF
04-Mar-2010 16:45:38		04-Mar-2010 16:48:13	04-Mar-2010 16:48:13
Lmin (fast):	51.4 dBA	58.6 dBC	59.8 dBF
04-Mar-2010 16:47:41		04-Mar-2010 16:54:45	04-Mar-2010 16:54:45
Lmax (impulse):	75.3 dBA	84.7 dBC	85.7 dBF
04-Mar-2010 16:45:38		04-Mar-2010 16:48:13	04-Mar-2010 16:56:48
Lmin (impulse):	52.0 dBA	59.8 dBC	61.5 dBF
04-Mar-2010 16:54:01		04-Mar-2010 16:44:20	04-Mar-2010 16:44:20

Calibrated:	04-Mar-2010 16:03:05	Offset:	-48.7 dB
Checked:	04-Mar-2010 16:03:05	Level:	94.0 dB
Calibrator	not set	Level:	94.0 dB
Cal Records Count:	0		

Interval Records:	Disabled	Number Interval Records:	0
History Records:	Disabled	Number History Records:	0
Run/Stop Records:		Number Run/Stop Records:	2

Site A

Date Time=06/04/07 10:55:00 AM
 Sampling Time=5 Freq Weighting=A
 Record Num= 17520 Weighting=Slow CNEL(24hr)= 58.0
 Leq 52.3 SEL Value=102.0 Ldn(24hr)= 57.7
 MAX 77.7 Min Leq10min = 43.6 at 1:25 a.m.
 MIN 39.9 Max Leq10min = 59.3 at 4:25 p.m.

Site A

SPL	Time	Leq (10 min. Avg.)	Ldn	CNEL
53.6	10:55:00		53.6	53.6
50.4	10:55:05		50.4	50.4
51.3	10:55:10		51.3	51.3
52.4	10:55:15		52.4	52.4
51.7	10:55:20		51.7	51.7
49.2	10:55:25		49.2	49.2
48.2	10:55:30		48.2	48.2
49.7	10:55:35		49.7	49.7
49	10:55:40		49	49
49	10:55:45		49	49
49	10:55:50		49	49
49.8	10:55:55		49.8	49.8
49.5	10:56:00		49.5	49.5
49.8	10:56:05		49.8	49.8
49.6	10:56:10		49.6	49.6
49.9	10:56:15		49.9	49.9
50	10:56:20		50	50
49.6	10:56:25		49.6	49.6
50.5	10:56:30		50.5	50.5
50.1	10:56:35		50.1	50.1
48.9	10:56:40		48.9	48.9
49.5	10:56:45		49.5	49.5
48.8	10:56:50		48.8	48.8
48.6	10:56:55		48.6	48.6
48.8	10:57:00		48.8	48.8
50.7	10:57:05		50.7	50.7
49.8	10:57:10		49.8	49.8
49.6	10:57:15		49.6	49.6
49.7	10:57:20		49.7	49.7
50.7	10:57:25		50.7	50.7
50.2	10:57:30		50.2	50.2
49.1	10:57:35		49.1	49.1
48.8	10:57:40		48.8	48.8
49.5	10:57:45		49.5	49.5
49.4	10:57:50		49.4	49.4
52.1	10:57:55		52.1	52.1
53.5	10:58:00		53.5	53.5
53.6	10:58:05		53.6	53.6
54.2	10:58:10		54.2	54.2
50.3	10:58:15		50.3	50.3
47.8	10:58:20		47.8	47.8
47.7	10:58:25		47.7	47.7
48.6	10:58:30		48.6	48.6
48.4	10:58:35		48.4	48.4
49	10:58:40		49	49
49.1	10:58:45		49.1	49.1
49.2	10:58:50		49.2	49.2
50.8	10:58:55		50.8	50.8
50.3	10:59:00		50.3	50.3
49.7	10:59:05		49.7	49.7
49.1	10:59:10		49.1	49.1
49.1	10:59:15		49.1	49.1
49.7	10:59:20		49.7	49.7
47.8	10:59:25		47.8	47.8
47.2	10:59:30	49.7	47.2	47.2
47.9	10:59:35	49.7	47.9	47.9
48.1	10:59:40	49.7	48.1	48.1
47.1	10:59:45	49.7	47.1	47.1
47.6	10:59:50	49.8	47.6	47.6
48.1	10:59:55	49.8	48.1	48.1
47.4	11:00:00	49.8	47.4	47.4
47	11:00:05	49.8	47	47
47.4	11:00:10	49.8	47.4	47.4
47.8	11:00:15	49.8	47.8	47.8
48.8	11:00:20	49.8	48.8	48.8
49.3	11:00:25	49.8	49.3	49.3
49	11:00:30	49.8	49	49
49.5	11:00:35	49.8	49.5	49.5
48.7	11:00:40	49.8	48.7	48.7
48.5	11:00:45	49.7	48.5	48.5
48	11:00:50	49.7	48	48
49.1	11:00:55	49.6	49.1	49.1
52.3	11:01:00	49.6	52.3	52.3
52	11:01:05	49.6	52	52
48.7	11:01:10	49.6	48.7	48.7
48.4	11:01:15	49.6	48.4	48.4
47.7	11:01:20	49.6	47.7	47.7
47	11:01:25	49.6	47	47
49.5	11:01:30	49.6	49.5	49.5
47.8	11:01:35	49.6	47.8	47.8
49.9	11:01:40	49.6	49.9	49.9
48.2	11:01:45	49.6	48.2	48.2
48.9	11:01:50	49.6	48.9	48.9
48.3	11:01:55	49.6	48.3	48.3

Site A				
SPL	Time	Leq (10 min. Avg.)	Ldn	CNEL
48	11:02:00	49.6	48	48
48.4	11:02:05	49.6	48.4	48.4
49.4	11:02:10	49.6	49.4	49.4
48.6	11:02:15	49.6	48.6	48.6
48	11:02:20	49.6	48	48
48	11:02:25	49.6	48	48
48.8	11:02:30	49.6	48.8	48.8
49.2	11:02:35	49.6	49.2	49.2
48.9	11:02:40	49.7	48.9	48.9
50.3	11:02:45	49.7	50.3	50.3
49.4	11:02:50	49.7	49.4	49.4
49.9	11:02:55	49.7	49.9	49.9
50.4	11:03:00	49.7	50.4	50.4
49.5	11:03:05	49.7	49.5	49.5
49.4	11:03:10	49.7	49.4	49.4
47.6	11:03:15	49.7	47.6	47.6
48.3	11:03:20	49.7	48.3	48.3
48.6	11:03:25	49.7	48.6	48.6
47.5	11:03:30	49.8	47.5	47.5
47.6	11:03:35	49.8	47.6	47.6
48.2	11:03:40	49.8	48.2	48.2
48.4	11:03:45	49.8	48.4	48.4
48.6	11:03:50	49.8	48.6	48.6
49.3	11:03:55	49.8	49.3	49.3
49	11:04:00	49.9	49	49
49.3	11:04:05	49.9	49.3	49.3
49.2	11:04:10	49.9	49.2	49.2
50.4	11:04:15	49.9	50.4	50.4
51	11:04:20	50.0	51	51
51.9	11:04:25	50.0	51.9	51.9
57.1	11:04:30	50.0	57.1	57.1
52.4	11:04:35	50.0	52.4	52.4
51.9	11:04:40	50.1	51.9	51.9
51.1	11:04:45	50.1	51.1	51.1
49.7	11:04:50	50.1	49.7	49.7
49.8	11:04:55	50.1	49.8	49.8
48.6	11:05:00	50.2	48.6	48.6
48.1	11:05:05	50.2	48.1	48.1
48.4	11:05:10	50.2	48.4	48.4
47.4	11:05:15	50.3	47.4	47.4
49.3	11:05:20	50.3	49.3	49.3
50.9	11:05:25	50.3	50.9	50.9
51.6	11:05:30	50.3	51.6	51.6
49.2	11:05:35	50.4	49.2	49.2
49.6	11:05:40	50.4	49.6	49.6
50.7	11:05:45	50.4	50.7	50.7
50	11:05:50	50.4	50	50
49.4	11:05:55	50.5	49.4	49.4
49.6	11:06:00	50.5	49.6	49.6
49	11:06:05	50.5	49	49
50.1	11:06:10	50.5	50.1	50.1
49.9	11:06:15	50.6	49.9	49.9
50.8	11:06:20	50.6	50.8	50.8
49.8	11:06:25	50.6	49.8	49.8
50.5	11:06:30	50.6	50.5	50.5
50.2	11:06:35	50.7	50.2	50.2
49.4	11:06:40	50.7	49.4	49.4
49.7	11:06:45	50.7	49.7	49.7
49	11:06:50	50.7	49	49
49.6	11:06:55	50.7	49.6	49.6
51	11:07:00	50.7	51	51
51.6	11:07:05	50.7	51.6	51.6
50.3	11:07:10	50.7	50.3	50.3
50.1	11:07:15	50.6	50.1	50.1
50	11:07:20	50.6	50	50
51.8	11:07:25	50.6	51.8	51.8
50.3	11:07:30	50.6	50.3	50.3
50.4	11:07:35	50.6	50.4	50.4
49.1	11:07:40	50.6	49.1	49.1
48.5	11:07:45	50.6	48.5	48.5
50	11:07:50	50.7	50	50
49.3	11:07:55	50.7	49.3	49.3
50.8	11:08:00	50.7	50.8	50.8
48	11:08:05	50.8	48	48
49.1	11:08:10	50.8	49.1	49.1
49.8	11:08:15	50.8	49.8	49.8
49.5	11:08:20	50.8	49.5	49.5
50.2	11:08:25	50.8	50.2	50.2
49.7	11:08:30	50.8	49.7	49.7
49	11:08:35	50.8	49	49
49.3	11:08:40	50.8	49.3	49.3
49.5	11:08:45	50.8	49.5	49.5
49.4	11:08:50	50.8	49.4	49.4
49.7	11:08:55	50.8	49.7	49.7
49.7	11:09:00	50.8	49.7	49.7
50.4	11:09:05	50.8	50.4	50.4
50.6	11:09:10	50.8	50.6	50.6
48.3	11:09:15	50.8	48.3	48.3
48	11:09:20	50.8	48	48
48.5	11:09:25	50.8	48.5	48.5
47.9	11:09:30	50.8	47.9	47.9
47.5	11:09:35	50.8	47.5	47.5
49.3	11:09:40	50.8	49.3	49.3
48.9	11:09:45	50.8	48.9	48.9
48.1	11:09:50	50.8	48.1	48.1

Site B

Date Time=03/03/10 5:16:00 PM
 Sampling Time=3 Freq Weighting=A
 Record Num= 28400 Weighting=Slow CNEL(24hr)= 64.4
 Leq 62.0 SEL Value=111.1 Ldn(24hr)= 64.0
 MAX 93.1 Min Leq10min = 39.2 1:21:18
 MIN 36.5 Max Leq10min = 71.1 16:02:12

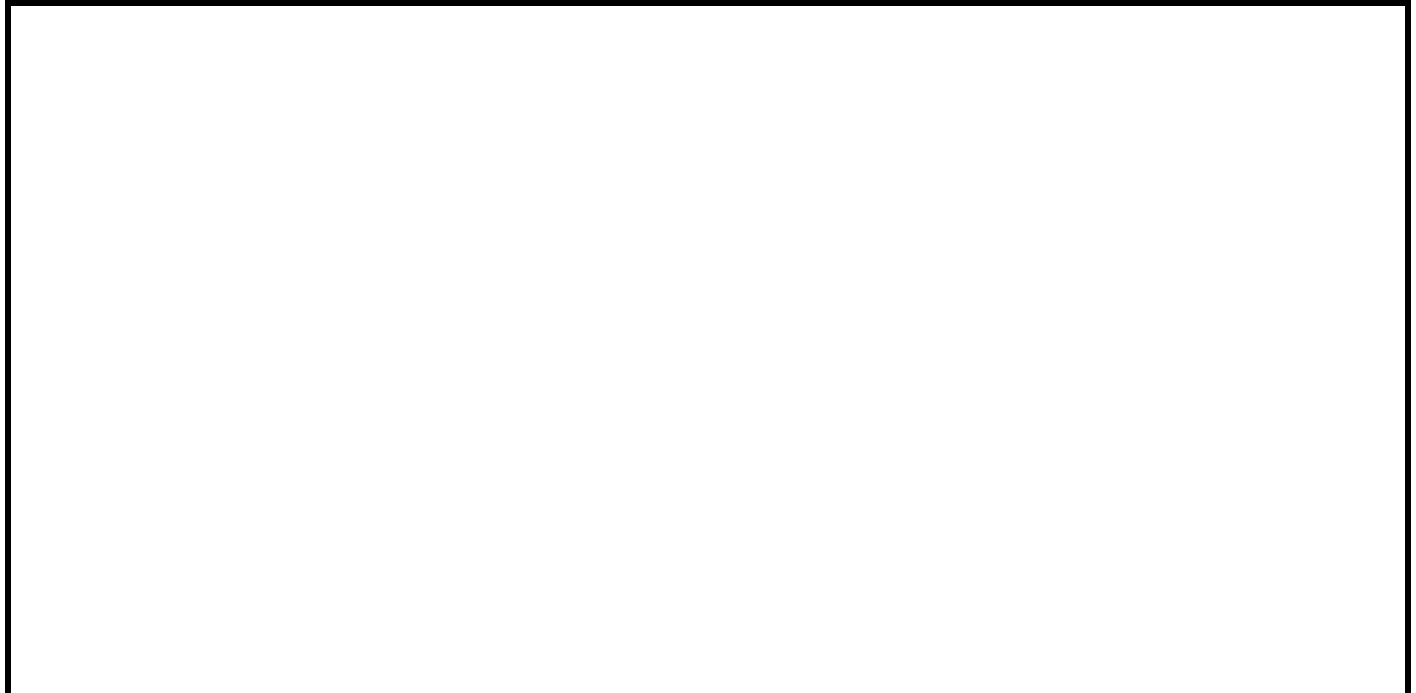
Site B

SPL	Time	Leq (10 min. Avg.)	Ldn	CNEL
62.5	18:01:00		62.5	62.5
67.7	18:01:03		67.7	67.7
72.8	18:01:06		72.8	72.8
63.4	18:01:09		63.4	63.4
63.2	18:01:12		63.2	63.2
58.8	18:01:15		58.8	58.8
59.5	18:01:18		59.5	59.5
60.9	18:01:21		60.9	60.9
62.1	18:01:24		62.1	62.1
66	18:01:27		66	66
58.9	18:01:30		58.9	58.9
56.3	18:01:33		56.3	56.3
55.5	18:01:36		55.5	55.5
58.2	18:01:39		58.2	58.2
65	18:01:42		65	65
62.7	18:01:45		62.7	62.7
61.8	18:01:48		61.8	61.8
67	18:01:51		67	67
64.7	18:01:54		64.7	64.7
66.5	18:01:57		66.5	66.5
66.2	18:02:00		66.2	66.2
62.5	18:02:03		62.5	62.5
63.4	18:02:06		63.4	63.4
61.8	18:02:09		61.8	61.8
59.1	18:02:12		59.1	59.1
58	18:02:15		58	58
58	18:02:18		58	58
55.6	18:02:21		55.6	55.6
63.9	18:02:24		63.9	63.9
60.8	18:02:27		60.8	60.8
58.4	18:02:30		58.4	58.4
66	18:02:33		66	66
61.8	18:02:36		61.8	61.8
63.8	18:02:39		63.8	63.8
62.8	18:02:42		62.8	62.8
59.1	18:02:45		59.1	59.1
54.7	18:02:48		54.7	54.7
56.6	18:02:51		56.6	56.6
57.5	18:02:54		57.5	57.5
58.3	18:02:57		58.3	58.3
62.8	18:03:00		62.8	62.8
59.2	18:03:03		59.2	59.2
61.1	18:03:06		61.1	61.1
61.9	18:03:09		61.9	61.9
62.4	18:03:12		62.4	62.4
64.5	18:03:15		64.5	64.5
65.3	18:03:18		65.3	65.3
61.7	18:03:21		61.7	61.7
60.2	18:03:24		60.2	60.2
61.4	18:03:27		61.4	61.4
66.7	18:03:30		66.7	66.7
63	18:03:33		63	63
59.3	18:03:36		59.3	59.3
56.6	18:03:39		56.6	56.6
54.3	18:03:42		54.3	54.3
54	18:03:45		54	54
56.4	18:03:48		56.4	56.4
63	18:03:51		63	63
59.2	18:03:54		59.2	59.2
59.2	18:03:57		59.2	59.2
57.2	18:04:00		57.2	57.2
58	18:04:03		58	58
61.1	18:04:06		61.1	61.1
63.1	18:04:09		63.1	63.1
59.6	18:04:12		59.6	59.6
59.6	18:04:15		59.6	59.6
57.6	18:04:18		57.6	57.6
56.9	18:04:21		56.9	56.9
58.9	18:04:24		58.9	58.9
63	18:04:27		63	63
58.7	18:04:30		58.7	58.7
60.8	18:04:33		60.8	60.8
60.7	18:04:36		60.7	60.7
63.5	18:04:39		63.5	63.5
62.4	18:04:42		62.4	62.4
61	18:04:45		61	61
64.7	18:04:48		64.7	64.7
63	18:04:51		63	63
61.5	18:04:54		61.5	61.5
62.7	18:04:57		62.7	62.7
61.1	18:05:00		61.1	61.1
60.1	18:05:03		60.1	60.1
63.4	18:05:06		63.4	63.4
61.5	18:05:09		61.5	61.5

		Site B			
SPL	Time	Leq (10 min. Avg.)	Ldn	CNEL	
61	18:05:12		61	61	
60.4	18:05:15		60.4	60.4	
56.2	18:05:18		56.2	56.2	
55.2	18:05:21		55.2	55.2	
62.3	18:05:24		62.3	62.3	
63	18:05:27		63	63	
61	18:05:30		61	61	
59.5	18:05:33		59.5	59.5	
55.8	18:05:36		55.8	55.8	
54.1	18:05:39		54.1	54.1	
59.8	18:05:42		59.8	59.8	
69.7	18:05:45		69.7	69.7	
63.4	18:05:48		63.4	63.4	
68.4	18:05:51		68.4	68.4	
65.6	18:05:54		65.6	65.6	
62.5	18:05:57		62.5	62.5	
65.4	18:06:00	63.1	65.4	65.4	
64	18:06:03	63.1	64	64	
56.9	18:06:06	63.1	56.9	56.9	
58.2	18:06:09	62.9	58.2	58.2	
66.6	18:06:12	62.9	66.6	66.6	
64.8	18:06:15	62.9	64.8	64.8	
63.3	18:06:18	62.9	63.3	63.3	
78.6	18:06:21	62.8	78.6	78.6	
67.2	18:06:24	62.8	67.2	67.2	
67.2	18:06:27	62.8	67.2	67.2	
64.4	18:06:30	62.8	64.4	64.4	
63.2	18:06:33	62.8	63.2	63.2	
63.5	18:06:36	62.8	63.5	63.5	
64.4	18:06:39	62.8	64.4	64.4	
63	18:06:42	62.8	63	63	
64	18:06:45	62.8	64	64	
64.5	18:06:48	62.8	64.5	64.5	
64.7	18:06:51	62.8	64.7	64.7	
63.7	18:06:54	62.7	63.7	63.7	
66.8	18:06:57	62.7	66.8	66.8	
63.9	18:07:00	62.7	63.9	63.9	
60.1	18:07:03	62.6	60.1	60.1	
58.4	18:07:06	62.6	58.4	58.4	
57.5	18:07:09	62.6	57.5	57.5	
52.8	18:07:12	62.6	52.8	52.8	
56.3	18:07:15	62.6	56.3	56.3	
57.6	18:07:18	62.6	57.6	57.6	
53.2	18:07:21	62.6	53.2	53.2	
51.3	18:07:24	62.6	51.3	51.3	
54	18:07:27	62.6	54	54	
56.1	18:07:30	62.6	56.1	56.1	
62.1	18:07:33	62.7	62.1	62.1	
61.1	18:07:36	62.8	61.1	61.1	
58.2	18:07:39	63.6	58.2	58.2	
58.6	18:07:42	63.8	58.6	58.6	
61	18:07:45	63.9	61	61	
59.4	18:07:48	63.9	59.4	59.4	
61.3	18:07:51	63.9	61.3	61.3	
63.7	18:07:54	63.9	63.7	63.7	
63	18:07:57	63.9	63	63	
60.3	18:08:00	63.9	60.3	60.3	
59.9	18:08:03	63.9	59.9	59.9	
60.8	18:08:06	63.9	60.8	60.8	
60.8	18:08:09	63.9	60.8	60.8	
62.2	18:08:12	63.9	62.2	62.2	
62.2	18:08:15	63.9	62.2	62.2	
60.6	18:08:18	63.9	60.6	60.6	
60.9	18:08:21	63.9	60.9	60.9	
59	18:08:24	63.9	59	59	
61.8	18:08:27	63.9	61.8	61.8	
61.9	18:08:30	63.9	61.9	61.9	
60	18:08:33	63.8	60	60	
59.9	18:08:36	63.8	59.9	59.9	
61	18:08:39	63.8	61	61	
61.5	18:08:42	63.8	61.5	61.5	
64.8	18:08:45	63.8	64.8	64.8	
61.9	18:08:48	63.8	61.9	61.9	
63.8	18:08:51	63.8	63.8	63.8	
60.5	18:08:54	63.8	60.5	60.5	
62.8	18:08:57	63.8	62.8	62.8	
60.4	18:09:00	63.9	60.4	60.4	
61.3	18:09:03	63.9	61.3	61.3	
60.2	18:09:06	63.9	60.2	60.2	
61.2	18:09:09	63.9	61.2	61.2	
60.5	18:09:12	63.9	60.5	60.5	
59.8	18:09:15	63.9	59.8	59.8	
58	18:09:18	63.9	58	58	
55.2	18:09:21	63.9	55.2	55.2	
60.3	18:09:24	63.9	60.3	60.3	
56.5	18:09:27	63.9	56.5	56.5	
57.6	18:09:30	63.9	57.6	57.6	
58.4	18:09:33	63.9	58.4	58.4	
60	18:09:36	63.9	60	60	
63.6	18:09:39	63.9	63.6	63.6	
64.3	18:09:42	63.9	64.3	64.3	
61.3	18:09:45	63.9	61.3	61.3	
59.8	18:09:48	63.9	59.8	59.8	
62.9	18:09:51	63.9	62.9	62.9	
60.4	18:09:54	63.9	60.4	60.4	

**North Camino Ramon Specific Plan
Assessed receiver levels - Existing**

Name	Usage	Floor	Dir	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 MFR	RS	GF	SE	63.7	59.4	57.1	56.6
02 MFR	RS	GF	S	68.8	63.8	61.0	62.0
03 SFR	RS	GF	SW	63.9	59.3	57.0	56.9
04 MFR	RS	GF	SW	70.0	64.9	61.9	63.2
05 Hospital	RS	GF	SW	60.7	56.6	54.8	53.4
06 SFR	RS	GF	SW	65.6	60.4	57.3	58.8
07 School	RS	GF	SW	58.8	53.6	50.8	52.0
08 Hotel	RS	GF	NE	66.4	62.4	60.9	59.0
09 SFR	RS	GF	NE	70.3	66.4	65.0	62.9
10 Church	RS	GF	NE	74.3	70.5	69.2	66.8
11 SFR	RS	GF	NE	70.5	66.0	64.3	63.3
A	RA	GF		59.4	54.5	51.9	52.6
B	RA	GF		65.5	61.6	59.5	58.2
M1	RA	GF		75.9	72.0	70.7	68.4
M2	RA	GF		69.2	65.5	63.5	61.7
M3	RA	GF		77.0	73.4	72.2	69.4
M4	RA	GF		63.7	58.4	55.4	57.0



North Camino Ramon Specific Plan Source level road - Existing

16

MSVges Evening Veh/h	MSVges Night Veh/h	MSVges Day Veh/h	Pavement type	Road	KM km	ADT Veh/24	Gradien %
445.90	124.57	611.52	Average (of DGAC and PCC)	Fostoria Way west of Crow Canyon Pl	0.000	9797	2.9
550.55	153.80	755.04	Average (of DGAC and PCC)	Fostoria Way east of Crow Cyn Pl	0.000	12096	-1.1
118.30	33.05	162.24	Average (of DGAC and PCC)	Fostoria Way east of Camino Ramon	0.000	2599	4.3
1568.31	548.01	2205.25	Average (of DGAC and PCC)	Crow Canyon Rd west of San Ramon Valley	0.000	36100	6.0
2619.64	915.37	3683.56	Average (of DGAC and PCC)	Crow Canyon Rd east of I-680 NB Ramps	0.000	60300	2.7
2137.42	746.87	3005.49	Average (of DGAC and PCC)	Crow Canyon Rd east of Crow Cyn Pl	0.000	49200	-1.4
1859.38	649.72	2614.53	Average (of DGAC and PCC)	Crow Cyn Rd east of Camino Ramon	0.000	42800	-0.8
1737.74	607.21	2443.49	Average (of DGAC and PCC)	Crow Cyn Rd east of Alcosta Blvd	0.000	40000	5.2
354.90	99.15	486.72	Average (of DGAC and PCC)	Norris Cyn Rd west of San Ramon Valley B	0.000	7798	0.0
982.80	274.56	1347.84	Average (of DGAC and PCC)	Norris Cyn Rd west of Bishop Dr	0.000	21594	0.0
732.55	204.65	1004.64	Average (of DGAC and PCC)	Norris Cyn Rd east of Bishop Dr	0.000	16095	-1.2
677.95	189.40	929.76	Average (of DGAC and PCC)	Norris Cyn Rd east of Camino Ramon	0.000	14896	-1.0
259.35	72.45	355.68	Average (of DGAC and PCC)	Executive Pkwy west of Camino Ramon	0.000	5698	-0.9
163.80	45.76	224.64	Average (of DGAC and PCC)	Executive Pkwy east of Camino Ramon	0.000	3599	-1.5
204.75	57.20	280.80	Average (of DGAC and PCC)	Bishop Dr west of Camino Ramon	0.000	4499	0.7
1407.57	491.84	1979.23	Average (of DGAC and PCC)	Bollinger Cyn Rd west of I-680	0.000	32400	-5.6
2758.66	963.95	3879.04	Average (of DGAC and PCC)	Bollinger Cyn Rd east of I-680	0.000	63500	-0.1
2076.60	725.62	2919.97	Average (of DGAC and PCC)	Bollinger Cyn Rd west of Camino Ramon	0.000	47800	-1.6
2063.57	721.06	2901.64	Average (of DGAC and PCC)	Bollinger Cyn Rd east of Camino Ramon	0.000	47500	1.4
1033.96	361.29	1453.88	Average (of DGAC and PCC)	San Ramon Vly Blvd north of Crow Cyn	0.000	23800	-10.3
755.92	264.14	1062.92	Average (of DGAC and PCC)	San Ramon Vly Blvd north of Norris Cyn R	0.000	17400	-6.0
608.21	212.52	855.22	Average (of DGAC and PCC)	San Ramon Vly Blvd south of Norris Cyn R	0.000	14000	-0.6
91.00	25.42	124.80	Average (of DGAC and PCC)	Bishop Dr north of Norris Cyn Rd	0.000	1999	1.7
368.55	102.96	505.44	Average (of DGAC and PCC)	Bishop Dr south of Norris Cyn Rd	0.000	8098	0.0
523.25	146.18	717.60	Average (of DGAC and PCC)	Crow Cyn Pl north of Fostoria Wy	0.000	11497	1.4
987.35	275.83	1354.08	Average (of DGAC and PCC)	Crow Cyn Pl	0.000	21693	0.0
778.05	217.36	1067.04	Average (of DGAC and PCC)	Camino Ramon north of Crow Cyn Rd	0.000	17095	-0.4
855.40	238.97	1173.12	Average (of DGAC and PCC)	Camino Ramon south of Crow Cyn Rd	0.000	18794	0.4
737.10	205.92	1010.88	Average (of DGAC and PCC)	Camino Ramon north of Norris Cyn Rd	0.000	16195	0.0
687.05	191.94	942.24	Average (of DGAC and PCC)	Camino Ramon south of Norris Cyn Rd	0.000	15095	-0.4
677.95	189.40	929.76	Average (of DGAC and PCC)	Camino Ramon south of Executive Pkwy	0.000	14896	-1.2
791.70	221.17	1085.76	Average (of DGAC and PCC)	Camino Ramon south of Bishop Dr	0.000	17395	-1.0
994.86	347.63	1398.90	Average (of DGAC and PCC)	Alcosta Blvd south of Crow Cyn Rd	0.000	22900	-2.4
691.60	193.21	948.48	Average (of DGAC and PCC)	Alcosta Blvd south of Norris Cyn Rd	0.000	15195	1.7
699.44	244.40	983.50	Average (of DGAC and PCC)	Alcosta Blvd north of Bollinger Cyn Rd	0.000	16100	-1.3

Michael Brandman Associates

1

North Camino Ramon Specific Plan Source level road - Existing

16

MSVges Evening Veh/h	MSVges Night Veh/h	MSVges Day Veh/h	Pavement type	Road	KM km	ADT Veh/24	Gradien %
7166.02	3024.62	8856.70	Average (of DGAC and PCC)	I-680	0.000	155000	0.1
891.80	249.14	1223.04	Average (of DGAC and PCC)	Sunset Dr north of Bollinger Cyn Rd	0.000	19594	-0.8
1014.65	283.46	1391.52	Average (of DGAC and PCC)	Crow Cyn PI south of Crow Cyn Rd	0.000	22293	-0.9

--	--	--	--	--	--	--	--

	Michael Brandman Associates	2
--	-----------------------------	---

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: Norris Canyon Road **Segment:** East of Bishop Drive
Average Daily Traffic: 16100 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	0.63	-4.43	-1.20	62.36	60.24	58.93	52.91	61.33	61.96	70 dBA:	27	29
Medium Trucks	76.31	-16.61	-4.43	-1.20	54.08	32.83	38.85	20.56	33.70	36.45	65 dBA:	57	63
Heavy Trucks	81.16	-20.57	-4.43	-1.20	54.97	43.72	26.22	30.87	42.15	42.18	60 dBA:	124	136
Total:					63.60	60.34	58.97	52.94	61.39	62.02	55 dBA:	267	294

Road Name: Norris Canyon Road **Segment:** East of Camino Ramon
Average Daily Traffic: 14900 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	0.29	-4.43	-1.20	62.03	59.90	58.59	52.58	61.00	61.62	70 dBA:	25	28
Medium Trucks	76.31	-16.95	-4.43	-1.20	53.74	32.49	38.51	20.22	33.36	36.12	65 dBA:	55	60
Heavy Trucks	81.16	-20.90	-4.43	-1.20	54.63	43.38	25.88	30.53	41.81	41.84	60 dBA:	118	129
Total:					63.27	60.01	58.63	52.61	61.06	61.68	55 dBA:	253	279

Road Name: Executive Parkway **Segment:** West of Camino Ramon
Average Daily Traffic: 5700 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	-2.63	-4.59	-1.20	54.09	51.97	50.66	44.65	53.07	53.69	70 dBA:	8	8
Medium Trucks	73.11	-19.87	-4.59	-1.20	47.46	26.21	32.23	13.94	27.08	29.83	65 dBA:	16	18
Heavy Trucks	80.26	-23.83	-4.59	-1.20	50.65	39.40	21.90	26.55	37.83	37.86	60 dBA:	35	39
Total:					56.32	52.22	50.73	44.72	53.20	53.82	55 dBA:	76	83

Road Name: Executive Parkway **Segment:** East of Camino Ramon
Average Daily Traffic: 3600 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	-4.63	-4.59	-1.20	52.10	49.98	48.66	42.65	51.07	51.70	70 dBA:	6	6
Medium Trucks	73.11	-21.87	-4.59	-1.20	45.46	24.21	30.23	11.94	25.08	27.84	65 dBA:	12	13
Heavy Trucks	80.26	-25.82	-4.59	-1.20	48.65	37.40	19.90	24.55	35.83	35.86	60 dBA:	26	29
Total:					54.32	50.22	48.73	42.72	51.21	51.83	55 dBA:	56	61

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: Bollinger Canyon Road **Segment:** East of Camino Ramon
Average Daily Traffic: 47500 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	5.08	-3.64	-1.20	67.60	65.23	63.94	57.88	66.31	66.94	70 dBA:	65	70
Medium Trucks	76.31	-9.79	-3.64	-1.20	61.69	42.48	34.70	43.91	50.06	50.09	65 dBA:	140	152
Heavy Trucks	81.16	-7.57	-3.64	-1.20	68.75	51.76	43.98	53.19	59.34	59.38	60 dBA:	302	327
Total:					71.68	65.44	63.98	59.28	67.19	67.72	55 dBA:	650	705

Road Name: Bollinger Canyon Road **Segment:** East of Alcosta Boulevard
Average Daily Traffic: 35300 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	3.79	-4.08	-1.20	65.87	63.50	62.20	56.15	64.58	65.21	70 dBA:	50	54
Medium Trucks	76.31	-11.08	-4.08	-1.20	59.95	40.75	32.96	42.17	48.33	48.36	65 dBA:	107	116
Heavy Trucks	81.16	-8.86	-4.08	-1.20	67.02	50.03	42.25	51.46	57.61	57.64	60 dBA:	231	251
Total:					69.95	63.71	62.25	57.55	65.46	65.99	55 dBA:	498	540

Road Name: San Ramon Valley Boulevard **Segment:** North of Crow Canyon Road
Average Daily Traffic: 23800 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	2.08	-4.43	-1.20	63.81	61.44	60.15	54.09	62.52	63.15	70 dBA:	36	39
Medium Trucks	76.31	-12.79	-4.43	-1.20	57.90	38.69	30.91	40.12	46.27	46.30	65 dBA:	78	85
Heavy Trucks	81.16	-10.57	-4.43	-1.20	64.96	47.97	40.19	49.40	55.55	55.59	60 dBA:	169	183
Total:					67.89	61.65	60.20	55.49	63.40	63.93	55 dBA:	363	394

Road Name: San Ramon Valley Boulevard **Segment:** North of Norris Canyon Road
Average Daily Traffic: 17400 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	0.72	-4.43	-1.20	62.45	60.08	58.79	52.73	61.16	61.79	70 dBA:	29	32
Medium Trucks	76.31	-14.15	-4.43	-1.20	56.54	37.33	29.55	38.76	44.91	44.94	65 dBA:	64	69
Heavy Trucks	81.16	-11.93	-4.43	-1.20	63.60	46.61	38.83	48.04	54.19	54.23	60 dBA:	137	148
Total:					66.53	60.29	58.84	54.13	62.04	62.57	55 dBA:	295	320

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: San Ramon Valley Boulevard Segment: South of Norris Canyon Road
Average Daily Traffic: 14000 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	-0.23	-4.43	-1.20	61.51	59.14	57.84	51.79	60.22	60.85	70 dBA:	26	28
Medium Trucks	76.31	-15.09	-4.43	-1.20	55.59	36.39	28.60	37.81	43.97	44.00	65 dBA:	55	60
Heavy Trucks	81.16	-12.87	-4.43	-1.20	62.66	45.67	37.89	47.10	53.25	53.28	60 dBA:	118	128
Total:					65.59	59.35	57.89	53.19	61.10	61.63	55 dBA:	255	277

Road Name: Bishop Drive Segment: North of Norris Canyon Road
Average Daily Traffic: 2000 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	-7.18	-4.59	-1.20	49.55	47.42	46.11	40.10	48.52	49.14	70 dBA:	4	4
Medium Trucks	73.11	-24.42	-4.59	-1.20	42.91	21.66	27.68	9.39	22.53	25.28	65 dBA:	8	9
Heavy Trucks	80.26	-28.37	-4.59	-1.20	46.10	34.85	17.35	22.00	33.28	33.31	60 dBA:	18	19
Total:					51.77	47.67	46.18	40.17	48.66	49.27	55 dBA:	38	42

Road Name: Bishop Drive Segment: South of Norris Canyon Road
Average Daily Traffic: 8100 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	-1.11	-4.59	-1.20	55.62	53.50	52.18	46.17	54.59	55.22	70 dBA:	10	11
Medium Trucks	73.11	-18.34	-4.59	-1.20	48.98	27.74	33.76	15.46	28.61	31.36	65 dBA:	21	23
Heavy Trucks	80.26	-22.30	-4.59	-1.20	52.18	40.93	23.42	28.07	39.36	39.39	60 dBA:	45	49
Total:					57.85	53.74	52.25	46.24	54.73	55.35	55 dBA:	96	105

Road Name: Crow Canyon Place Segment: North of Fostoria Way
Average Daily Traffic: 11500 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	0.42	-4.59	-1.20	57.14	55.02	53.71	47.69	56.11	56.74	70 dBA:	12	13
Medium Trucks	73.11	-16.82	-4.59	-1.20	50.51	29.26	35.28	16.98	30.13	32.88	65 dBA:	26	29
Heavy Trucks	80.26	-20.78	-4.59	-1.20	53.70	42.45	24.95	29.60	40.88	40.91	60 dBA:	56	62
Total:					59.37	55.26	53.77	47.76	56.25	56.87	55 dBA:	121	133

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: **EXISTING CONDITIONS**

Project Name: **North Camino Ramon Specific Plan**
Site Conditions: **Soft**

Road Name: **Alcosta Boulevard**

Segment: **South of Bollinger Canyon Road**

Average Daily Traffic: 18400 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	67.36	0.96	-4.43	-1.20	62.69	60.32	59.03	52.97	61.41	62.04	70 dBA:	31	33
Medium Trucks	76.31	-13.91	-4.43	-1.20	56.78	37.57	29.79	39.00	45.15	45.19	65 dBA:	66	71
Heavy Trucks	81.16	-11.69	-4.43	-1.20	63.85	46.86	39.07	48.28	54.44	54.47	60 dBA:	142	154
Total:					66.78	60.54	59.08	54.37	62.29	62.81	55 dBA:	306	332

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: Crow Canyon Road

Segment: West of San Ramon Valley Boulevard

Average Daily Traffic: 39700 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	4.30	-4.08	-1.20	66.38	64.01	62.71	56.66	65.09	65.72	70 dBA:	54	58
Medium Trucks	76.31	-10.57	-4.08	-1.20	60.46	41.26	33.47	42.68	48.84	48.87	65 dBA:	116	126
Heavy Trucks	81.16	-8.35	-4.08	-1.20	67.53	50.54	42.76	51.97	58.12	58.15	60 dBA:	250	271
Total:					70.46	64.22	62.76	58.06	65.97	66.50	55 dBA:	539	584

Road Name: Crow Canyon Road

Segment: West of I-680 Southbound Ramps

Average Daily Traffic: 61900 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	6.23	-4.08	-1.20	68.31	65.94	64.64	58.59	67.02	67.65	70 dBA:	72	79
Medium Trucks	76.31	-8.64	-4.08	-1.20	62.39	43.19	35.40	44.61	50.77	50.80	65 dBA:	156	169
Heavy Trucks	81.16	-6.42	-4.08	-1.20	69.46	52.47	44.69	53.90	60.05	60.08	60 dBA:	336	365
Total:					72.39	66.15	64.69	59.98	67.90	68.43	55 dBA:	724	785

Road Name: Crow Canyon Road

Segment: East of I-680 Northbound Ramps

Average Daily Traffic: 81100 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	7.40	-3.64	-1.20	69.92	67.55	66.26	60.20	68.64	69.27	70 dBA:	93	101
Medium Trucks	76.31	-7.46	-3.64	-1.20	64.01	44.80	37.02	46.23	52.38	52.42	65 dBA:	200	217
Heavy Trucks	81.16	-5.25	-3.64	-1.20	71.08	54.09	46.30	55.51	61.67	61.70	60 dBA:	431	467
Total:					74.01	67.77	66.31	61.60	69.52	70.04	55 dBA:	928	1007

Road Name: Crow Canyon Road

Segment: East of Crow Canyon Place

Average Daily Traffic: 65500 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	6.47	-3.64	-1.20	69.00	66.62	65.33	59.28	67.71	68.34	70 dBA:	81	87
Medium Trucks	76.31	-8.39	-3.64	-1.20	63.08	43.87	36.09	45.30	51.46	51.49	65 dBA:	173	188
Heavy Trucks	81.16	-6.17	-3.64	-1.20	70.15	53.16	45.38	54.59	60.74	60.77	60 dBA:	374	405
Total:					73.08	66.84	65.38	60.67	68.59	69.12	55 dBA:	805	873

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Bishop Drive Segment: West of Camino Ramon
Average Daily Traffic: 5400 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	-2.87	-4.59	-1.20	53.86	51.74	50.42	44.41	52.83	53.46	70 dBA:	7	8
Medium Trucks	73.11	-20.10	-4.59	-1.20	47.22	25.97	31.99	13.70	26.85	29.60	65 dBA:	16	17
Heavy Trucks	80.26	-24.06	-4.59	-1.20	50.41	25.06	21.66	26.31	32.51	32.61	60 dBA:	34	37
Total:				56.08	51.76	50.49	44.48	52.88	53.51	55 dBA:	72	80	

Road Name: Bollinger Canyon Road Segment: West of I-680 Southbound Ramps
Average Daily Traffic: 33400 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	3.55	-4.08	-1.20	65.63	63.26	61.96	55.91	64.34	64.97	70 dBA:	48	52
Medium Trucks	76.31	-11.32	-4.08	-1.20	59.71	40.51	32.72	41.93	48.09	48.12	65 dBA:	103	112
Heavy Trucks	81.16	-9.10	-4.08	-1.20	66.78	49.79	42.01	51.22	57.37	57.40	60 dBA:	223	242
Total:				69.71	63.47	62.01	57.31	65.22	65.75	55 dBA:	480	521	

Road Name: Bollinger Canyon Road Segment: East of I-680 Northbound Ramps
Average Daily Traffic: 70000 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	6.76	-4.08	-1.20	68.84	66.47	65.18	59.12	67.55	68.18	70 dBA:	79	85
Medium Trucks	76.31	-8.10	-4.08	-1.20	62.93	43.72	35.94	45.15	51.30	51.33	65 dBA:	169	184
Heavy Trucks	81.16	-5.89	-4.08	-1.20	69.99	53.00	45.22	54.43	60.58	60.62	60 dBA:	365	396
Total:				72.92	66.68	65.22	60.52	68.43	68.96	55 dBA:	786	853	

Road Name: Bollinger Canyon Road Segment: West of Camino Ramon
Average Daily Traffic: 51200 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	5.40	-3.64	-1.20	67.93	65.55	64.26	58.21	66.64	67.27	70 dBA:	68	74
Medium Trucks	76.31	-9.46	-3.64	-1.20	62.01	42.80	35.02	44.23	50.39	50.42	65 dBA:	147	160
Heavy Trucks	81.16	-7.24	-3.64	-1.20	69.08	52.09	44.31	53.52	59.67	59.70	60 dBA:	317	344
Total:				72.01	65.77	64.31	59.60	67.52	68.05	55 dBA:	683	741	

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Bollinger Canyon Road **Segment: East of Camino Ramon**
Average Daily Traffic: 49300 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	5.24	-3.64	-1.20	67.76	65.39	64.10	58.04	66.47	67.11	70 dBA:	67	72
Medium Trucks	76.31	-9.63	-3.64	-1.20	61.85	42.64	34.86	44.07	50.22	50.26	65 dBA:	144	156
Heavy Trucks	81.16	-7.41	-3.64	-1.20	68.91	51.92	44.14	53.35	59.51	59.54	60 dBA:	309	335
Total:					71.84	65.60	64.15	59.44	67.35	67.88	55 dBA:	666	722

Road Name: Bollinger Canyon Road **Segment: East of Alcosta Boulevard**
Average Daily Traffic: 37900 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	4.10	-4.08	-1.20	66.18	63.80	62.51	56.46	64.89	65.52	70 dBA:	52	57
Medium Trucks	76.31	-10.77	-4.08	-1.20	60.26	41.05	33.27	42.48	48.64	48.67	65 dBA:	113	122
Heavy Trucks	81.16	-8.55	-4.08	-1.20	67.33	50.34	42.56	51.77	57.92	57.95	60 dBA:	242	263
Total:					70.26	64.02	62.56	57.85	65.77	66.30	55 dBA:	522	566

Road Name: San Ramon Valley Boulevard **Segment: North of Crow Canyon Road**
Average Daily Traffic: 24800 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	2.26	-4.43	-1.20	63.99	61.62	60.33	54.27	62.70	63.33	70 dBA:	37	40
Medium Trucks	76.31	-12.61	-4.43	-1.20	58.08	38.87	31.09	40.30	46.45	46.48	65 dBA:	80	87
Heavy Trucks	81.16	-10.39	-4.43	-1.20	65.14	48.15	40.37	49.58	55.73	55.77	60 dBA:	173	188
Total:					68.07	61.83	60.37	55.67	63.58	64.11	55 dBA:	373	405

Road Name: San Ramon Valley Boulevard **Segment: North of Norris Canyon Road**
Average Daily Traffic: 22100 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	1.76	-4.43	-1.20	63.49	61.12	59.82	53.77	62.20	62.83	70 dBA:	35	37
Medium Trucks	76.31	-13.11	-4.43	-1.20	57.58	38.37	30.59	39.79	45.95	45.98	65 dBA:	74	81
Heavy Trucks	81.16	-10.89	-4.43	-1.20	64.64	47.65	39.87	49.08	55.23	55.27	60 dBA:	160	174
Total:					67.57	61.33	59.87	55.17	63.08	63.61	55 dBA:	346	375

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: San Ramon Valley Boulevard **Segment: South of Norris Canyon Road**
Average Daily Traffic: 15000 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	0.07	-4.43	-1.20	61.81	59.44	58.14	52.09	60.52	61.15	70 dBA:	27	29
Medium Trucks	76.31	-14.79	-4.43	-1.20	55.89	36.69	28.90	38.11	44.27	44.30	65 dBA:	58	62
Heavy Trucks	81.16	-12.58	-4.43	-1.20	62.96	45.97	38.19	47.40	53.55	53.58	60 dBA:	124	134
Total:					65.89	59.65	58.19	53.48	61.40	61.93	55 dBA:	267	290

Road Name: Bishop Drive **Segment: North of Norris Canyon Road**
Average Daily Traffic: 8600 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	-0.85	-4.59	-1.20	55.88	53.76	52.44	46.43	54.85	55.48	70 dBA:	10	11
Medium Trucks	73.11	-18.08	-4.59	-1.20	49.24	28.00	34.02	15.72	28.87	31.62	65 dBA:	21	23
Heavy Trucks	80.26	-22.04	-4.59	-1.20	52.44	27.08	23.68	28.33	34.53	34.63	60 dBA:	46	50
Total:					58.11	53.78	52.51	46.50	54.90	55.53	55 dBA:	99	109

Road Name: Bishop Drive **Segment: South of Norris Canyon Road**
Average Daily Traffic: 11000 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	0.22	-4.59	-1.20	56.95	54.83	53.51	47.50	55.92	56.55	70 dBA:	12	13
Medium Trucks	73.11	-17.01	-4.59	-1.20	50.31	29.06	35.08	16.79	29.94	32.69	65 dBA:	25	28
Heavy Trucks	80.26	-20.97	-4.59	-1.20	53.50	28.15	24.75	29.40	35.60	35.70	60 dBA:	54	59
Total:					59.17	54.85	53.58	47.57	55.97	56.60	55 dBA:	116	128

Road Name: Crow Canyon Place **Segment: North of Fostoria Way**
Average Daily Traffic: 11500 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	0.42	-4.59	-1.20	57.14	55.02	53.71	47.69	56.11	56.74	70 dBA:	12	13
Medium Trucks	73.11	-16.82	-4.59	-1.20	50.51	29.26	35.28	16.98	30.13	32.88	65 dBA:	26	28
Heavy Trucks	80.26	-20.78	-4.59	-1.20	53.70	28.35	24.95	29.60	35.79	35.89	60 dBA:	56	61
Total:					59.37	55.04	53.77	47.76	56.16	56.79	55 dBA:	120	132

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: Crow Canyon Place

Segment: North of Crow Canyon Road

Average Daily Traffic: 22600 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	3.35	-4.59	-1.20	60.08	57.95	56.64	50.63	59.05	59.67	70 dBA:	19	21
Medium Trucks	73.11	-13.89	-4.59	-1.20	53.44	32.19	38.21	19.92	33.06	35.82	65 dBA:	40	45
Heavy Trucks	80.26	-17.84	-4.59	-1.20	56.63	31.28	27.88	32.53	38.73	38.82	60 dBA:	87	96
Total:					62.30	57.97	56.71	50.70	59.10	59.73	55 dBA:	188	207

Road Name: Crow Canyon Place

Segment: South of Crow Canyon Road

Average Daily Traffic: 29000 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	4.43	-4.59	-1.20	61.16	59.04	57.72	51.71	60.13	60.76	70 dBA:	22	24
Medium Trucks	73.11	-12.80	-4.59	-1.20	54.52	33.27	39.29	21.00	34.15	36.90	65 dBA:	48	53
Heavy Trucks	80.26	-16.76	-4.59	-1.20	57.71	32.36	28.96	33.61	39.81	39.91	60 dBA:	103	113
Total:					63.38	59.06	57.79	51.78	60.18	60.81	55 dBA:	222	244

Road Name: Camino Ramon

Segment: North of Crow Canyon Road

Average Daily Traffic: 18500 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	1.81	-4.43	-1.20	61.30	59.17	57.86	51.85	60.27	60.89	70 dBA:	23	25
Medium Trucks	74.83	-15.43	-4.43	-1.20	53.78	32.53	38.55	20.25	33.40	36.15	65 dBA:	49	54
Heavy Trucks	80.05	-19.38	-4.43	-1.20	55.04	29.69	26.29	30.94	37.14	37.23	60 dBA:	105	115
Total:					62.80	59.19	57.91	51.89	60.30	60.93	55 dBA:	225	248

Road Name: Camino Ramon

Segment: South of Crow Canyon Road

Average Daily Traffic: 34000 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	4.45	-4.43	-1.20	63.94	61.82	60.50	54.49	62.91	63.54	70 dBA:	34	37
Medium Trucks	74.83	-12.78	-4.43	-1.20	56.42	35.17	41.19	22.90	36.04	38.79	65 dBA:	73	80
Heavy Trucks	80.05	-16.74	-4.43	-1.20	57.68	32.33	28.93	33.58	39.78	39.87	60 dBA:	157	173
Total:					65.44	61.83	60.56	54.53	62.94	63.57	55 dBA:	338	373

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Camino Ramon Segment: North of Norris Canyon Road
Average Daily Traffic: 24400 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	65.11	3.01	-4.43	-1.20	62.50	60.37	59.06	53.05	61.47	62.10	70 dBA:	27	30
Medium Trucks	74.83	-14.22	-4.43	-1.20	54.98	33.73	39.75	21.46	34.60	37.35	65 dBA:	58	64
Heavy Trucks	80.05	-18.18	-4.43	-1.20	56.24	30.89	27.49	32.14	38.34	38.43	60 dBA:	126	139
	Total:				64.00	60.39	59.12	53.09	61.50	62.13	55 dBA:	271	299

Road Name: Camino Ramon Segment: South of Norris Canyon Road
Average Daily Traffic: 23400 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	65.11	2.83	-4.43	-1.20	62.32	60.19	58.88	52.87	61.29	61.91	70 dBA:	26	29
Medium Trucks	74.83	-14.41	-4.43	-1.20	54.80	33.55	39.57	21.27	34.42	37.17	65 dBA:	57	63
Heavy Trucks	80.05	-18.36	-4.43	-1.20	56.06	30.71	27.31	31.96	38.16	38.25	60 dBA:	122	135
	Total:				63.82	60.21	58.93	52.91	61.32	61.95	55 dBA:	264	291

Road Name: Camino Ramon Segment: South of Executive Parkway
Average Daily Traffic: 20400 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	65.11	2.24	-4.43	-1.20	61.72	59.60	58.28	52.27	60.69	61.32	70 dBA:	24	27
Medium Trucks	74.83	-15.00	-4.43	-1.20	54.20	32.95	38.97	20.68	33.82	36.58	65 dBA:	52	57
Heavy Trucks	80.05	-18.96	-4.43	-1.20	55.46	30.11	26.71	31.36	37.56	37.66	60 dBA:	112	123
	Total:				63.22	59.61	58.34	52.31	60.72	61.35	55 dBA:	241	265

Road Name: Camino Ramon Segment: South of Bishop Drive
Average Daily Traffic: 22600 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	65.11	2.68	-4.43	-1.20	62.16	60.04	58.73	52.72	61.14	61.76	70 dBA:	26	28
Medium Trucks	74.83	-14.56	-4.43	-1.20	54.65	33.40	39.42	21.12	34.27	37.02	65 dBA:	56	61
Heavy Trucks	80.05	-18.51	-4.43	-1.20	55.91	30.56	27.16	31.81	38.01	38.10	60 dBA:	120	132
	Total:				63.67	60.06	58.78	52.75	61.17	61.80	55 dBA:	258	284

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Alcosta Boulevard
Average Daily Traffic: 20700 Vehicles

Segment: South of Bollinger Canyon Road
Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			Ldn	CNEL
Automobiles	67.36	1.47	-4.43	-1.20	63.21	60.83	59.54	53.49	61.92	62.55	70 dBA:	33	36
Medium Trucks	76.31	-13.40	-4.43	-1.20	57.29	38.08	30.30	39.51	45.66	45.70	65 dBA:	71	77
Heavy Trucks	81.16	-11.18	-4.43	-1.20	64.36	47.37	39.59	48.79	54.95	54.98	60 dBA:	154	167
Total:					67.29	61.05	59.59	54.88	62.80	63.33	55 dBA:	331	359

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 BASELINE CONDITIONS

Project Name: North Camino Ramon Specific Plan

Site Conditions: Soft

Vehicle Type	Vehicle Mix 1 (Local and Collector)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (I-680)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.40%	69.50%	12.90%	9.60%	92.00%	65.55%	13.43%	15.72%	94.70%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.48%	0.27%	0.75%	2.50%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.54%	0.20%	1.06%	2.80%

Road Name: Fostoria Way

Segment: West of Crow Canyon Place

Average Daily Traffic: 18800 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	1.88	-4.43	-1.20	61.37	59.24	57.93	51.92	60.34	60.96	70 dBA:	23	25
Medium Trucks	74.83	-15.36	-4.43	-1.20	53.85	32.60	38.62	20.32	33.47	36.22	65 dBA:	49	54
Heavy Trucks	80.05	-19.31	-4.43	-1.20	55.11	29.76	26.36	31.01	37.21	37.30	60 dBA:	106	117
Total:					62.87	59.26	57.98	51.96	60.37	61.00	55 dBA:	228	251

Road Name: Fostoria Way

Segment: East of Crow Canyon Place

Average Daily Traffic: 33100 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	5.01	-4.43	-1.20	61.89	59.77	58.46	52.45	60.87	61.49	70 dBA:	25	27
Medium Trucks	73.11	-12.23	-4.43	-1.20	55.26	34.01	40.03	21.74	34.88	37.63	65 dBA:	53	59
Heavy Trucks	80.26	-16.19	-4.43	-1.20	58.45	33.10	29.70	34.35	40.55	40.64	60 dBA:	115	127
Total:					64.12	59.79	58.53	52.52	60.92	61.55	55 dBA:	248	273

Road Name: Fostoria Way

Segment: East of Camino Ramon

Average Daily Traffic: 13600 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	1.14	-4.43	-1.20	58.03	55.91	54.60	48.58	57.00	57.63	70 dBA:	14	15
Medium Trucks	73.11	-16.09	-4.43	-1.20	51.40	30.15	36.17	17.87	31.02	33.77	65 dBA:	30	33
Heavy Trucks	80.26	-20.05	-4.43	-1.20	54.59	29.24	25.84	30.48	36.68	36.78	60 dBA:	64	70
Total:					60.26	55.93	54.66	48.65	57.05	57.68	55 dBA:	137	151

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 BASELINE CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: San Ramon Valley Boulevard **Segment: South of Norris Canyon Road**
Average Daily Traffic: 21100 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	1.55	-4.43	-1.20	63.29	60.92	59.62	53.57	62.00	62.63	70 dBA:	34	36
Medium Trucks	76.31	-13.31	-4.43	-1.20	57.38	38.17	30.39	39.59	45.75	45.78	65 dBA:	72	78
Heavy Trucks	81.16	-11.09	-4.43	-1.20	64.44	47.45	39.67	48.88	55.03	55.07	60 dBA:	156	169
Total:					67.37	61.13	59.67	54.97	62.88	63.41	55 dBA:	335	364

Road Name: Bishop Drive **Segment: North of Norris Canyon Road**
Average Daily Traffic: 2900 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	-5.57	-4.59	-1.20	51.16	49.04	47.72	41.71	50.13	50.76	70 dBA:	5	5
Medium Trucks	73.11	-22.80	-4.59	-1.20	44.52	23.27	29.29	11.00	24.15	26.90	65 dBA:	10	11
Heavy Trucks	80.26	-26.76	-4.59	-1.20	47.71	22.36	18.96	23.61	29.81	29.91	60 dBA:	22	24
Total:					53.38	49.06	47.79	41.78	50.18	50.81	55 dBA:	48	53

Road Name: Bishop Drive **Segment: South of Norris Canyon Road**
Average Daily Traffic: 9300 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	-0.51	-4.59	-1.20	56.22	54.10	52.78	46.77	55.19	55.82	70 dBA:	10	11
Medium Trucks	73.11	-17.74	-4.59	-1.20	49.58	28.34	34.36	16.06	29.21	31.96	65 dBA:	22	25
Heavy Trucks	80.26	-21.70	-4.59	-1.20	52.78	27.42	24.02	28.67	34.87	34.97	60 dBA:	48	53
Total:					58.45	54.12	52.85	46.84	55.24	55.87	55 dBA:	104	114

Road Name: Crow Canyon Place **Segment: North of Fostoria Way**
Average Daily Traffic: 20700 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	2.97	-4.59	-1.20	59.69	57.57	56.26	50.25	58.67	59.29	70 dBA:	18	19
Medium Trucks	73.11	-14.27	-4.59	-1.20	53.06	31.81	37.83	19.54	32.68	35.43	65 dBA:	38	42
Heavy Trucks	80.26	-18.22	-4.59	-1.20	56.25	30.90	27.50	32.15	38.35	38.44	60 dBA:	82	90
Total:					61.92	57.59	56.33	50.32	58.72	59.35	55 dBA:	177	195

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 BASELINE CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Crow Canyon Place

Segment: North of Crow Canyon Road

Average Daily Traffic: 24600 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	3.72	-4.59	-1.20	60.44	58.32	57.01	51.00	59.42	60.04	70 dBA:	20	22
Medium Trucks	73.11	-13.52	-4.59	-1.20	53.81	32.56	38.58	20.29	33.43	36.18	65 dBA:	43	47
Heavy Trucks	80.26	-17.47	-4.59	-1.20	57.00	31.65	28.25	32.90	39.10	39.19	60 dBA:	92	101
Total:					62.67	58.34	57.08	51.07	59.47	60.10	55 dBA:	199	219

Road Name: Crow Canyon Place

Segment: South of Crow Canyon Road

Average Daily Traffic: 22300 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	3.29	-4.59	-1.20	60.02	57.90	56.58	50.57	58.99	59.62	70 dBA:	19	20
Medium Trucks	73.11	-13.95	-4.59	-1.20	53.38	32.13	38.15	19.86	33.00	35.76	65 dBA:	40	44
Heavy Trucks	80.26	-17.90	-4.59	-1.20	56.57	31.22	27.82	32.47	38.67	38.77	60 dBA:	86	95
Total:					62.24	57.92	56.65	50.64	59.04	59.67	55 dBA:	186	205

Road Name: Camino Ramon

Segment: North of Crow Canyon Road

Average Daily Traffic: 21100 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	65.11	2.38	-4.43	-1.20	61.87	59.74	58.43	52.42	60.84	61.47	70 dBA:	25	27
Medium Trucks	74.83	-14.86	-4.43	-1.20	54.35	33.10	39.12	20.83	33.97	36.72	65 dBA:	53	58
Heavy Trucks	80.05	-18.81	-4.43	-1.20	55.61	30.26	26.86	31.51	37.71	37.80	60 dBA:	114	126
Total:					63.37	59.76	58.48	52.46	60.87	61.50	55 dBA:	246	271

Road Name: Camino Ramon

Segment: South of Crow Canyon Road

Average Daily Traffic: 22600 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	65.11	2.68	-4.43	-1.20	62.16	60.04	58.73	52.72	61.14	61.76	70 dBA:	26	28
Medium Trucks	74.83	-14.56	-4.43	-1.20	54.65	33.40	39.42	21.12	34.27	37.02	65 dBA:	56	61
Heavy Trucks	80.05	-18.51	-4.43	-1.20	55.91	30.56	27.16	31.81	38.01	38.10	60 dBA:	120	132
Total:					63.67	60.06	58.78	52.75	61.17	61.80	55 dBA:	258	284

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 BASELINE CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Alcosta Boulevard
Average Daily Traffic: 31700 Vehicles

Segment: South of Bollinger Canyon Road
Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			Ldn	CNEL
Automobiles	67.36	3.32	-4.43	-1.20	65.06	62.68	61.39	55.34	63.77	64.40	70 dBA:	44	48
Medium Trucks	76.31	-11.54	-4.43	-1.20	59.14	39.93	32.15	41.36	47.52	47.55	65 dBA:	95	103
Heavy Trucks	81.16	-9.33	-4.43	-1.20	66.21	49.22	41.44	50.65	56.80	56.83	60 dBA:	204	221
Total:					69.14	62.90	61.44	56.73	64.65	65.18	55 dBA:	440	477

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

Project Name: North Camino Ramon Specific Plan

Site Conditions: Soft

Vehicle Type	Vehicle Mix 1 (Local and Collector)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (I-680)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.40%	69.50%	12.90%	9.60%	92.00%	65.55%	13.43%	15.72%	94.70%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.48%	0.27%	0.75%	2.50%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	1.54%	0.20%	1.06%	2.80%

Road Name: Fostoria Way

Segment: West of Crow Canyon Place

Average Daily Traffic: 14900 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	65.11	0.87	-4.43	-1.20	60.36	58.23	56.92	50.91	59.33	59.95	70 dBA:	20	22
Medium Trucks	74.83	-16.37	-4.43	-1.20	52.84	31.59	37.61	19.31	32.46	35.21	65 dBA:	42	46
Heavy Trucks	80.05	-20.32	-4.43	-1.20	54.10	28.75	25.35	30.00	36.20	36.29	60 dBA:	91	100
Total:					61.86	58.25	56.97	50.95	59.36	59.99	55 dBA:	195	215

Road Name: Fostoria Way

Segment: East of Crow Canyon Place

Average Daily Traffic: 18100 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	2.39	-4.43	-1.20	59.27	57.15	55.84	49.82	58.24	58.87	70 dBA:	17	18
Medium Trucks	73.11	-14.85	-4.43	-1.20	52.64	31.39	37.41	19.12	32.26	35.01	65 dBA:	36	39
Heavy Trucks	80.26	-18.81	-4.43	-1.20	55.83	30.48	27.08	31.73	37.93	38.02	60 dBA:	77	85
Total:					61.50	57.17	55.90	49.89	58.30	58.92	55 dBA:	166	183

Road Name: Fostoria Way

Segment: East of Camino Ramon

Average Daily Traffic: 13500 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	1.11	-4.43	-1.20	58.00	55.88	54.56	48.55	56.97	57.60	70 dBA:	14	15
Medium Trucks	73.11	-16.13	-4.43	-1.20	51.36	30.11	36.13	17.84	30.99	33.74	65 dBA:	29	32
Heavy Trucks	80.26	-20.08	-4.43	-1.20	54.55	29.20	25.80	30.45	36.65	36.75	60 dBA:	63	70
Total:					60.22	55.90	54.63	48.62	57.02	57.65	55 dBA:	136	150

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Crow Canyon Road

Segment: West of San Ramon Valley Boulevard

Average Daily Traffic: 45800 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	4.92	-4.08	-1.20	67.00	64.63	63.33	57.28	65.71	66.34	70 dBA:	59	64
Medium Trucks	76.31	-9.95	-4.08	-1.20	61.09	41.88	34.10	43.30	49.46	49.49	65 dBA:	128	138
Heavy Trucks	81.16	-7.73	-4.08	-1.20	68.15	51.16	43.38	52.59	58.74	58.78	60 dBA:	275	298
Total:					71.08	64.84	63.38	58.68	66.59	67.12	55 dBA:	593	643

Road Name: Crow Canyon Road

Segment: West of I-680 Southbound Ramps

Average Daily Traffic: 56700 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	5.85	-4.08	-1.20	67.93	65.55	64.26	58.21	66.64	67.27	70 dBA:	68	74
Medium Trucks	76.31	-9.02	-4.08	-1.20	62.01	42.80	35.02	44.23	50.39	50.42	65 dBA:	147	160
Heavy Trucks	81.16	-6.80	-4.08	-1.20	69.08	52.09	44.31	53.51	59.67	59.70	60 dBA:	317	344
Total:					72.01	65.77	64.31	59.60	67.52	68.05	55 dBA:	683	741

Road Name: Crow Canyon Road

Segment: East of I-680 Northbound Ramps

Average Daily Traffic: 66300 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	6.53	-3.64	-1.20	69.05	66.68	65.38	59.33	67.76	68.39	70 dBA:	81	88
Medium Trucks	76.31	-8.34	-3.64	-1.20	63.14	43.93	36.15	45.35	51.51	51.54	65 dBA:	175	190
Heavy Trucks	81.16	-6.12	-3.64	-1.20	70.20	53.21	45.43	54.64	60.79	60.83	60 dBA:	377	409
Total:					73.13	66.89	65.43	60.73	68.64	69.17	55 dBA:	812	880

Road Name: Crow Canyon Road

Segment: East of Crow Canyon Place

Average Daily Traffic: 48800 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	5.20	-3.64	-1.20	67.72	65.35	64.05	58.00	66.43	67.06	70 dBA:	66	72
Medium Trucks	76.31	-9.67	-3.64	-1.20	61.80	42.60	34.81	44.02	50.18	50.21	65 dBA:	143	155
Heavy Trucks	81.16	-7.45	-3.64	-1.20	68.87	51.88	44.10	53.31	59.46	59.50	60 dBA:	307	333
Total:					71.80	65.56	64.10	59.40	67.31	67.84	55 dBA:	662	718

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Crow Canyon Road **Segment: East of Camino Ramon**
Average Daily Traffic: 55200 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	5.73	-3.64	-1.20	68.25	65.88	64.59	58.53	66.97	67.60	70 dBA:	72	78
Medium Trucks	76.31	-9.14	-3.64	-1.20	62.34	43.13	35.35	44.56	50.71	50.75	65 dBA:	155	168
Heavy Trucks	81.16	-6.92	-3.64	-1.20	69.41	52.42	44.63	53.84	60.00	60.03	60 dBA:	333	362
Total:					72.34	66.09	64.64	59.93	67.85	68.37	55 dBA:	718	779

Road Name: Crow Canyon Road **Segment: East of Alcosta Boulevard**
Average Daily Traffic: 57700 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	5.92	-4.08	-1.20	68.00	65.63	64.34	58.28	66.71	67.34	70 dBA:	69	75
Medium Trucks	76.31	-8.94	-4.08	-1.20	62.09	42.88	35.10	44.31	50.46	50.50	65 dBA:	149	161
Heavy Trucks	81.16	-6.72	-4.08	-1.20	69.15	52.16	44.38	53.59	59.74	59.78	60 dBA:	321	348
Total:					72.08	65.84	64.39	59.68	67.59	68.12	55 dBA:	691	749

Road Name: Norris Canyon Road **Segment: West of San Ramon Valley Boulevard**
Average Daily Traffic: 9800 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	59.44	0.51	-4.43	-1.20	54.33	52.20	50.89	44.88	53.30	53.93	70 dBA:	8	9
Medium Trucks	71.09	-16.72	-4.43	-1.20	48.74	27.49	33.51	15.22	28.36	31.11	65 dBA:	17	18
Heavy Trucks	78.74	-20.68	-4.43	-1.20	52.43	27.08	23.68	28.33	34.53	34.63	60 dBA:	36	40
Total:					57.17	52.23	50.98	44.98	53.37	54.00	55 dBA:	78	86

Road Name: Norris Canyon Road **Segment: West of Bishop Drive**
Average Daily Traffic: 23900 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	2.34	-4.43	-1.20	64.08	61.95	60.64	54.63	63.05	63.68	70 dBA:	35	38
Medium Trucks	76.31	-14.89	-4.43	-1.20	55.79	34.54	40.56	22.27	35.42	38.17	65 dBA:	74	82
Heavy Trucks	81.16	-18.85	-4.43	-1.20	56.68	31.33	27.93	32.58	38.78	38.88	60 dBA:	160	177
Total:					65.32	61.97	60.69	54.66	63.07	63.70	55 dBA:	345	380

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: Norris Canyon Road

Segment: East of Bishop Drive

Average Daily Traffic: 16900 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	0.84	-4.43	-1.20	62.57	60.45	59.14	53.12	61.54	62.17	70 dBA:	27	30
Medium Trucks	76.31	-16.40	-4.43	-1.20	54.29	33.04	39.06	20.77	33.91	36.66	65 dBA:	59	65
Heavy Trucks	81.16	-20.35	-4.43	-1.20	55.18	29.83	26.43	31.08	37.28	37.37	60 dBA:	127	140
Total:					63.81	60.46	59.18	53.15	61.57	62.20	55 dBA:	274	302

Road Name: Norris Canyon Road

Segment: East of Camino Ramon

Average Daily Traffic: 15400 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	67.36	0.43	-4.43	-1.20	62.17	60.05	58.73	52.72	61.14	61.77	70 dBA:	26	28
Medium Trucks	76.31	-16.80	-4.43	-1.20	53.88	32.64	38.66	20.36	33.51	36.26	65 dBA:	56	61
Heavy Trucks	81.16	-20.76	-4.43	-1.20	54.78	29.42	26.02	30.67	36.87	36.97	60 dBA:	120	132
Total:					63.41	60.06	58.78	52.75	61.16	61.79	55 dBA:	258	284

Road Name: Executive Parkway

Segment: West of Camino Ramon

Average Daily Traffic: 8800 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	-0.75	-4.59	-1.20	55.98	53.86	52.54	46.53	54.95	55.58	70 dBA:	10	11
Medium Trucks	73.11	-17.98	-4.59	-1.20	49.34	28.10	34.12	15.82	28.97	31.72	65 dBA:	22	24
Heavy Trucks	80.26	-21.94	-4.59	-1.20	52.54	27.18	23.78	28.43	34.63	34.73	60 dBA:	46	51
Total:					58.21	53.88	52.61	46.60	55.00	55.63	55 dBA:	100	110

Road Name: Executive Parkway

Segment: East of Camino Ramon

Average Daily Traffic: 4800 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	62.51	-3.38	-4.59	-1.20	53.35	51.22	49.91	43.90	52.32	52.95	70 dBA:	7	7
Medium Trucks	73.11	-20.62	-4.59	-1.20	46.71	25.46	31.48	13.19	26.33	29.09	65 dBA:	14	16
Heavy Trucks	80.26	-24.57	-4.59	-1.20	49.90	24.55	21.15	25.80	32.00	32.10	60 dBA:	31	34
Total:					55.57	51.25	49.98	43.97	52.37	53.00	55 dBA:	67	74

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: **Bishop Drive** Segment: **West of Camino Ramon**
Average Daily Traffic: 13100 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	62.51	0.98	-4.59	-1.20	57.71	55.58	54.27	48.26	56.68	57.31	70 dBA:	13	14
Medium Trucks	73.11	-16.26	-4.59	-1.20	51.07	29.82	35.84	17.55	30.69	33.45	65 dBA:	28	31
Heavy Trucks	80.26	-20.21	-4.59	-1.20	54.26	28.91	25.51	30.16	36.36	36.46	60 dBA:	61	67
Total:					59.93	55.61	54.34	48.33	56.73	57.36	55 dBA:	130	144

Road Name: **Bollinger Canyon Road** Segment: **West of I-680 Southbound Ramps**
Average Daily Traffic: 47900 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	67.36	5.12	-4.08	-1.20	67.19	64.82	63.53	57.47	65.91	66.54	70 dBA:	61	66
Medium Trucks	76.31	-9.75	-4.08	-1.20	61.28	42.07	34.29	43.50	49.65	49.69	65 dBA:	132	143
Heavy Trucks	81.16	-7.53	-4.08	-1.20	68.35	51.36	43.57	52.78	58.94	58.97	60 dBA:	283	307
Total:					71.28	65.04	63.58	58.87	66.79	67.31	55 dBA:	611	662

Road Name: **Bollinger Canyon Road** Segment: **East of I-680 Northbound Ramps**
Average Daily Traffic: 88400 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	67.36	7.78	-4.08	-1.20	69.85	67.48	66.19	60.14	68.57	69.20	70 dBA:	92	100
Medium Trucks	76.31	-7.09	-4.08	-1.20	63.94	44.73	36.95	46.16	52.31	52.35	65 dBA:	198	215
Heavy Trucks	81.16	-4.87	-4.08	-1.20	71.01	54.02	46.24	55.44	61.60	61.63	60 dBA:	426	462
Total:					73.94	67.70	66.24	61.53	69.45	69.97	55 dBA:	919	996

Road Name: **Bollinger Canyon Road** Segment: **West of Camino Ramon**
Average Daily Traffic: 65000 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	67.36	6.44	-3.64	-1.20	68.96	66.59	65.30	59.24	67.68	68.31	70 dBA:	80	87
Medium Trucks	76.31	-8.43	-3.64	-1.20	63.05	43.84	36.06	45.27	51.42	51.46	65 dBA:	173	187
Heavy Trucks	81.16	-6.21	-3.64	-1.20	70.11	53.13	45.34	54.55	60.71	60.74	60 dBA:	372	403
Total:					73.05	66.80	65.35	60.64	68.56	69.08	55 dBA:	801	869

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: Bollinger Canyon Road

Segment: East of Camino Ramon

Average Daily Traffic: 54100 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 8-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.02 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	5.64	-3.64	-1.20	68.17	65.79	64.50	58.45	66.88	67.51	70 dBA:	71	77
Medium Trucks	76.31	-9.22	-3.64	-1.20	62.25	43.04	35.26	44.47	50.63	50.66	65 dBA:	153	166
Heavy Trucks	81.16	-7.00	-3.64	-1.20	69.32	52.33	44.55	53.75	59.91	59.94	60 dBA:	329	357
Total:					72.25	66.01	64.55	59.84	67.76	68.29	55 dBA:	709	769

Road Name: Bollinger Canyon Road

Segment: East of Alcosta Boulevard

Average Daily Traffic: 50200 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 6-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 92.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	5.32	-4.08	-1.20	67.40	65.03	63.73	57.68	66.11	66.74	70 dBA:	63	68
Medium Trucks	76.31	-9.55	-4.08	-1.20	61.48	42.28	34.49	43.70	49.86	49.89	65 dBA:	136	147
Heavy Trucks	81.16	-7.33	-4.08	-1.20	68.55	51.56	43.78	52.99	59.14	59.17	60 dBA:	292	317
Total:					71.48	65.24	63.78	59.07	66.99	67.52	55 dBA:	630	683

Road Name: San Ramon Valley Boulevard

Segment: North of Crow Canyon Road

Average Daily Traffic: 31700 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	3.32	-4.43	-1.20	65.06	62.68	61.39	55.34	63.77	64.40	70 dBA:	44	48
Medium Trucks	76.31	-11.54	-4.43	-1.20	59.14	39.93	32.15	41.36	47.52	47.55	65 dBA:	95	103
Heavy Trucks	81.16	-9.33	-4.43	-1.20	66.21	49.22	41.44	50.65	56.80	56.83	60 dBA:	204	221
Total:					69.14	62.90	61.44	56.73	64.65	65.18	55 dBA:	440	477

Road Name: San Ramon Valley Boulevard

Segment: North of Norris Canyon Road

Average Daily Traffic: 21100 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	1.55	-4.43	-1.20	63.29	60.92	59.62	53.57	62.00	62.63	70 dBA:	34	36
Medium Trucks	76.31	-13.31	-4.43	-1.20	57.38	38.17	30.39	39.59	45.75	45.78	65 dBA:	72	78
Heavy Trucks	81.16	-11.09	-4.43	-1.20	64.44	47.45	39.67	48.88	55.03	55.07	60 dBA:	156	169
Total:					67.37	61.13	59.67	54.97	62.88	63.41	55 dBA:	335	364

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: San Ramon Valley Boulevard **Segment: South of Norris Canyon Road**
Average Daily Traffic: 18400 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	0.96	-4.43	-1.20	62.69	60.32	59.03	52.97	61.41	62.04	70 dBA:	31	33
Medium Trucks	76.31	-13.91	-4.43	-1.20	56.78	37.57	29.79	39.00	45.15	45.19	65 dBA:	66	71
Heavy Trucks	81.16	-11.69	-4.43	-1.20	63.85	46.86	39.07	48.28	54.44	54.47	60 dBA:	142	154
Total:					66.78	60.54	59.08	54.37	62.29	62.81	55 dBA:	306	332

Road Name: Bishop Drive **Segment: North of Norris Canyon Road**
Average Daily Traffic: 10500 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	0.02	-4.59	-1.20	56.75	54.62	53.31	47.30	55.72	56.35	70 dBA:	11	12
Medium Trucks	73.11	-17.22	-4.59	-1.20	50.11	28.86	34.88	16.59	29.73	32.49	65 dBA:	24	27
Heavy Trucks	80.26	-21.17	-4.59	-1.20	53.30	27.95	24.55	29.20	35.40	35.50	60 dBA:	52	58
Total:					58.97	54.64	53.38	47.37	55.77	56.40	55 dBA:	113	124

Road Name: Bishop Drive **Segment: South of Norris Canyon Road**
Average Daily Traffic: 12100 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	0.64	-4.59	-1.20	57.36	55.24	53.93	47.92	56.33	56.96	70 dBA:	12	14
Medium Trucks	73.11	-16.60	-4.59	-1.20	50.73	29.48	35.50	17.21	30.35	33.10	65 dBA:	27	29
Heavy Trucks	80.26	-20.56	-4.59	-1.20	53.92	28.57	25.17	29.82	36.02	36.11	60 dBA:	57	63
Total:					59.59	55.26	53.99	47.99	56.39	57.01	55 dBA:	124	136

Road Name: Crow Canyon Place **Segment: North of Fostoria Way**
Average Daily Traffic: 18300 Vehicles Vehicle Speed: 30 MPH Vehicle Mix: 1 Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	62.51	2.43	-4.59	-1.20	59.16	57.04	55.72	49.71	58.13	58.76	70 dBA:	16	18
Medium Trucks	73.11	-14.80	-4.59	-1.20	52.52	31.27	37.30	19.00	32.15	34.90	65 dBA:	35	39
Heavy Trucks	80.26	-18.76	-4.59	-1.20	55.71	30.36	26.96	31.61	37.81	37.91	60 dBA:	76	83
Total:					61.39	57.06	55.79	49.78	58.18	58.81	55 dBA:	163	180

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Crow Canyon Place

Segment: North of Crow Canyon Road

Average Daily Traffic: 21700 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	3.17	-4.59	-1.20	59.90	57.78	56.46	50.45	58.87	59.50	70 dBA:	18	20
Medium Trucks	73.11	-14.06	-4.59	-1.20	53.26	32.01	38.04	19.74	32.89	35.64	65 dBA:	39	43
Heavy Trucks	80.26	-18.02	-4.59	-1.20	56.45	31.10	27.70	32.35	38.55	38.65	60 dBA:	85	93
Total:					62.13	57.80	56.53	50.52	58.92	59.55	55 dBA:	183	201

Road Name: Crow Canyon Place

Segment: South of Crow Canyon Road

Average Daily Traffic: 27100 Vehicles

Vehicle Speed: 30 MPH

Vehicle Mix: 1

Roadway Classification: Minor

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.5 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	62.51	4.14	-4.59	-1.20	60.86	58.74	57.43	51.42	59.84	60.46	70 dBA:	21	23
Medium Trucks	73.11	-13.10	-4.59	-1.20	54.23	32.98	39.00	20.71	33.85	36.60	65 dBA:	46	50
Heavy Trucks	80.26	-17.05	-4.59	-1.20	57.42	32.07	28.67	33.32	39.52	39.61	60 dBA:	98	108
Total:					63.09	58.76	57.50	51.49	59.89	60.52	55 dBA:	212	233

Road Name: Camino Ramon

Segment: North of Crow Canyon Road

Average Daily Traffic: 17700 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	65.11	1.62	-4.43	-1.20	61.10	58.98	57.67	51.66	60.08	60.70	70 dBA:	22	24
Medium Trucks	74.83	-15.62	-4.43	-1.20	53.58	32.33	38.36	20.06	33.21	35.96	65 dBA:	47	52
Heavy Trucks	80.05	-19.57	-4.43	-1.20	54.85	29.50	26.10	30.74	36.94	37.04	60 dBA:	102	112
Total:					62.61	58.99	57.72	51.69	60.11	60.74	55 dBA:	219	241

Road Name: Camino Ramon

Segment: South of Crow Canyon Road

Average Daily Traffic: 19500 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	65.11	2.04	-4.43	-1.20	61.52	59.40	58.09	52.08	60.50	61.12	70 dBA:	23	26
Medium Trucks	74.83	-15.20	-4.43	-1.20	54.00	32.76	38.78	20.48	33.63	36.38	65 dBA:	50	55
Heavy Trucks	80.05	-19.15	-4.43	-1.20	55.27	29.92	26.52	31.17	37.36	37.46	60 dBA:	108	119
Total:					63.03	59.42	58.14	52.11	60.53	61.16	55 dBA:	234	257

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Camino Ramon Segment: North of Norris Canyon Road
Average Daily Traffic: 15400 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	65.11	1.01	-4.43	-1.20	60.50	58.38	57.06	51.05	59.47	60.10	70 dBA:	20	22
Medium Trucks	74.83	-16.22	-4.43	-1.20	52.98	31.73	37.75	19.46	32.60	35.35	65 dBA:	43	47
Heavy Trucks	80.05	-20.18	-4.43	-1.20	54.24	28.89	25.49	30.14	36.34	36.43	60 dBA:	93	102
Total:					62.00	58.39	57.12	51.09	59.50	60.13	55 dBA:	200	220

Road Name: Camino Ramon Segment: South of Norris Canyon Road
Average Daily Traffic: 12800 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	65.11	0.21	-4.43	-1.20	59.70	57.57	56.26	50.25	58.67	59.29	70 dBA:	18	19
Medium Trucks	74.83	-17.03	-4.43	-1.20	52.18	30.93	36.95	18.65	31.80	34.55	65 dBA:	38	42
Heavy Trucks	80.05	-20.98	-4.43	-1.20	53.44	28.09	24.69	29.34	35.54	35.63	60 dBA:	82	90
Total:					61.20	57.59	56.31	50.29	58.70	59.33	55 dBA:	176	194

Road Name: Camino Ramon Segment: South of Executive Parkway
Average Daily Traffic: 16000 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	65.11	1.18	-4.43	-1.20	60.66	58.54	57.23	51.22	59.64	60.26	70 dBA:	20	23
Medium Trucks	74.83	-16.06	-4.43	-1.20	53.15	31.90	37.92	19.62	32.77	35.52	65 dBA:	44	49
Heavy Trucks	80.05	-20.01	-4.43	-1.20	54.41	29.06	25.66	30.31	36.51	36.60	60 dBA:	95	105
Total:					62.17	58.56	57.28	51.26	59.67	60.30	55 dBA:	205	225

Road Name: Camino Ramon Segment: South of Bishop Drive
Average Daily Traffic: 17200 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	65.11	1.49	-4.43	-1.20	60.98	58.86	57.54	51.53	59.95	60.58	70 dBA:	21	24
Medium Trucks	74.83	-15.74	-4.43	-1.20	53.46	32.21	38.23	19.94	33.08	35.83	65 dBA:	46	51
Heavy Trucks	80.05	-19.70	-4.43	-1.20	54.72	29.37	25.97	30.62	36.82	36.91	60 dBA:	100	110
Total:					62.48	58.87	57.60	51.57	59.98	60.61	55 dBA:	215	237

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft

Road Name: Camino Ramon

Segment: South of Bollinger Canyon Road

Average Daily Traffic: 10100 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 1

Roadway Classification: 4-Lane Collector

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	65.11	-0.82	-4.43	-1.20	58.67	56.54	55.23	49.22	57.64	58.27	70 dBA:	15	17
Medium Trucks	74.83	-18.05	-4.43	-1.20	51.15	29.90	35.92	17.63	30.77	33.52	65 dBA:	32	36
Heavy Trucks	80.05	-22.01	-4.43	-1.20	52.41	27.06	23.66	28.31	34.51	34.60	60 dBA:	70	77
	Total:				60.17	56.56	55.28	49.26	57.67	58.30	55 dBA:	151	166

Road Name: Alcosta Boulevard

Segment: South of Crow Canyon Road

Average Daily Traffic: 29100 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	2.95	-4.43	-1.20	64.69	62.31	61.02	54.97	63.40	64.03	70 dBA:	42	45
Medium Trucks	76.31	-11.92	-4.43	-1.20	58.77	39.56	31.78	40.99	47.14	47.18	65 dBA:	89	97
Heavy Trucks	81.16	-9.70	-4.43	-1.20	65.84	48.85	41.07	50.27	56.43	56.46	60 dBA:	193	209
	Total:				68.77	62.53	61.07	56.36	64.28	64.80	55 dBA:	415	450

Road Name: Alcosta Boulevard

Segment: South of Norris Canyon Road

Average Daily Traffic: 18900 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	1.08	-4.43	-1.20	62.81	60.44	59.15	53.09	61.52	62.15	70 dBA:	31	34
Medium Trucks	76.31	-13.79	-4.43	-1.20	56.90	37.69	29.91	39.12	45.27	45.30	65 dBA:	67	73
Heavy Trucks	81.16	-11.57	-4.43	-1.20	63.96	46.97	39.19	48.40	54.55	54.59	60 dBA:	145	157
	Total:				66.89	60.65	59.19	54.49	62.40	62.93	55 dBA:	312	338

Road Name: Alcosta Boulevard

Segment: North of Bollinger Canyon Road

Average Daily Traffic: 28100 Vehicles

Vehicle Speed: 40 MPH

Vehicle Mix: 2

Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	2.80	-4.43	-1.20	64.53	62.16	60.87	54.81	63.25	63.88	70 dBA:	41	44
Medium Trucks	76.31	-12.07	-4.43	-1.20	58.62	39.41	31.63	40.84	46.99	47.03	65 dBA:	87	95
Heavy Trucks	81.16	-9.85	-4.43	-1.20	65.68	48.70	40.91	50.12	56.28	56.31	60 dBA:	188	204
	Total:				68.62	62.37	60.92	56.21	64.13	64.65	55 dBA:	406	440

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2030 WITH PROJECT CONDITIONS

**Project Name: North Camino Ramon Specific Plan
Site Conditions: Soft**

Road Name: Alcosta Boulevard
Average Daily Traffic: 30300 Vehicles

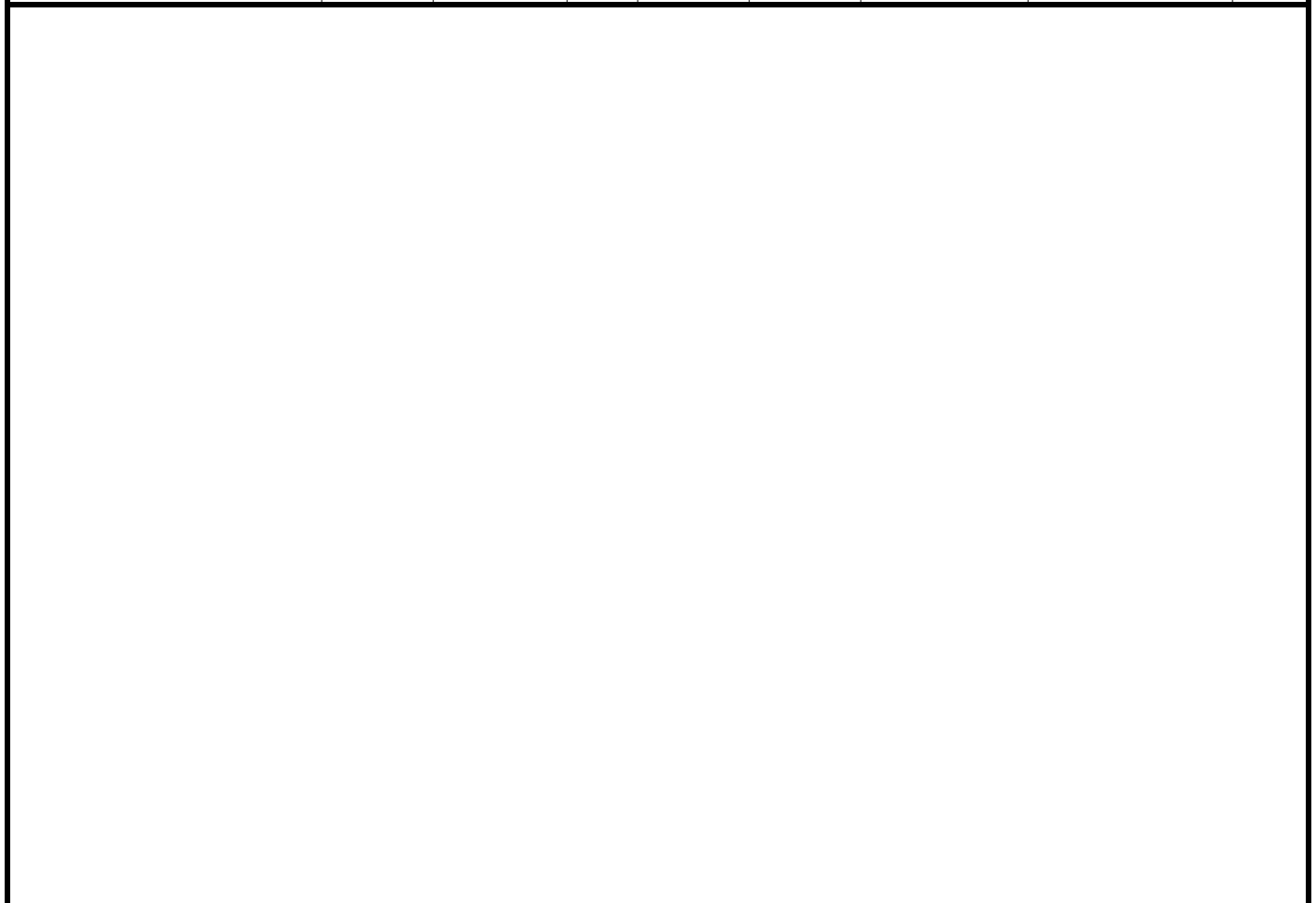
Segment: South of Bollinger Canyon Road
Vehicle Speed: 40 MPH Vehicle Mix: 2

Roadway Classification: 4-Lane Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	67.36	3.13	-4.43	-1.20	64.86	62.49	61.20	55.14	63.57	64.20	70 dBA:	43	46
Medium Trucks	76.31	-11.74	-4.43	-1.20	58.95	39.74	31.96	41.17	47.32	47.35	65 dBA:	92	100
Heavy Trucks	81.16	-9.52	-4.43	-1.20	66.01	49.02	41.24	50.45	56.60	56.64	60 dBA:	198	215
Total:					68.94	62.70	61.24	56.54	64.45	64.98	55 dBA:	427	463

**North Camino Ramon Specific Plan
Assessed receiver levels - Existing With Project**

Name	Usage	Floor	Dir	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 MFR	RS	GF	SE	64	60	58	57
02 MFR	RS	GF	S	69	64	61	62
03 SFR	RS	GF	SW	65	60	58	58
04 MFR	RS	GF	SW	71	65	62	64
05 Hospital	RS	GF	SW	61	57	55	54
06 SFR	RS	GF	SW	66	61	58	59
07 School	RS	GF	SW	59	54	51	52
08 Hotel	RS	GF	NE	67	63	61	59
09 SFR	RS	GF	NE	70	66	65	63
10 Church	RS	GF	NE	74	70	69	67
11 SFR	RS	GF	NE	71	65	63	63



North Camino Ramon Specific Plan Source level road - Existing With Project

16

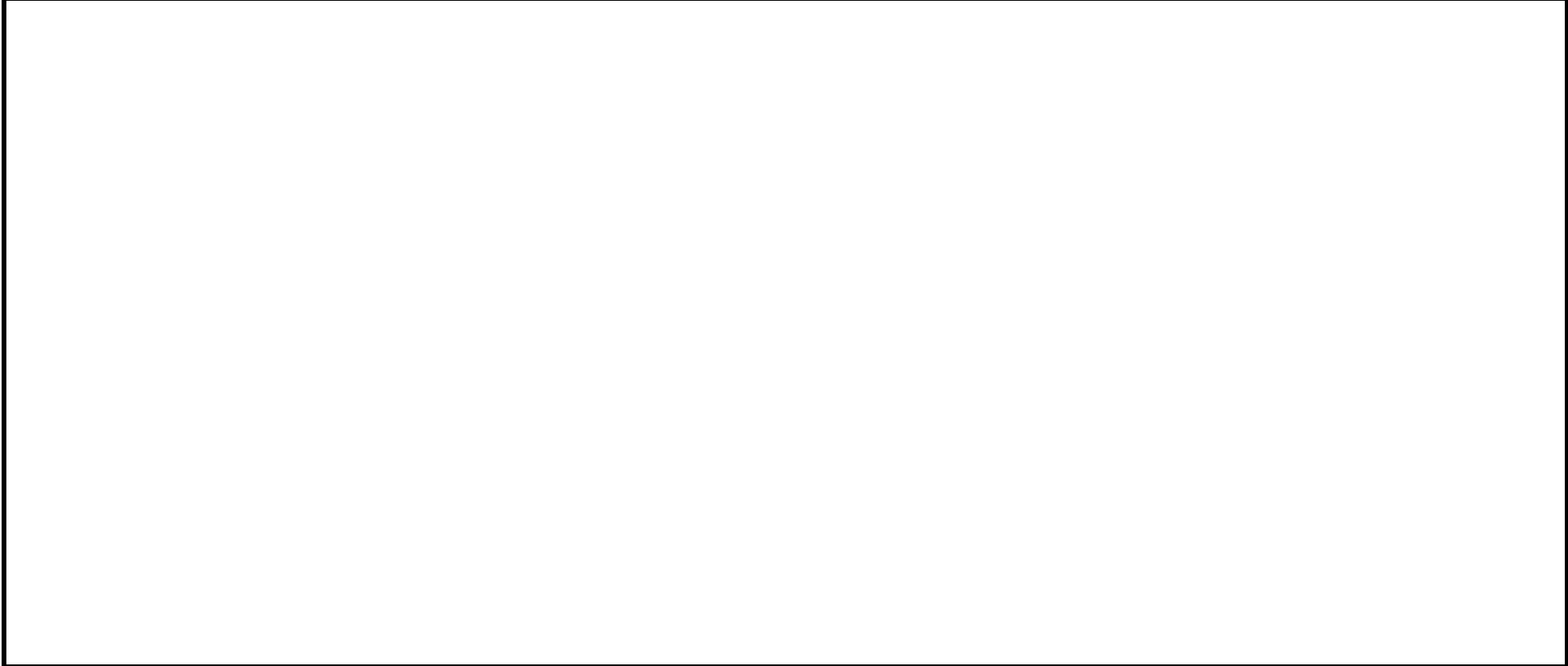
MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24	Gradien %	
142.36	509.60	Average (of DGAC and PCC)	698.88	Fostoria Way west of Crow Canyon Pl	0.000	11197	2.9	
162.70	582.40	Average (of DGAC and PCC)	798.72	Fostoria Way east of Crow Cyn Pl	0.000	12796	-1.1	
33.05	118.30	Average (of DGAC and PCC)	162.24	Fostoria Way east of Camino Ramon	0.000	2599	4.3	
602.66	1724.71	Average (of DGAC and PCC)	2425.16	Crow Canyon Rd west of San Ramon Valley	0.000	39700	6.0	
1231.12	3523.27	Average (of DGAC and PCC)	4954.18	Crow Canyon Rd east of I-680 NB Ramps	0.000	81100	2.7	
994.31	2845.55	Average (of DGAC and PCC)	4001.22	Crow Canyon Rd east of Crow Cyn Pl	0.000	65500	-1.4	
702.85	2011.44	Average (of DGAC and PCC)	2828.34	Crow Cyn Rd east of Camino Ramon	0.000	46300	-0.8	
660.34	1889.79	Average (of DGAC and PCC)	2657.30	Crow Cyn Rd east of Alcosta Blvd	0.000	43500	5.2	
119.48	427.70	Average (of DGAC and PCC)	586.56	Norris Cyn Rd west of San Ramon Valley B	0.000	9397	0.0	
364.81	1305.85	Average (of DGAC and PCC)	1790.88	Norris Cyn Rd west of Bishop Dr	0.000	28691	0.0	
251.68	900.90	Average (of DGAC and PCC)	1235.52	Norris Cyn Rd east of Bishop Dr	0.000	19794	-1.2	
218.63	782.60	Average (of DGAC and PCC)	1073.28	Norris Cyn Rd east of Camino Ramon	0.000	17195	-1.0	
77.54	277.55	Average (of DGAC and PCC)	380.64	Executive Pkwy west of Camino Ramon	0.000	6098	-0.9	
45.76	163.80	Average (of DGAC and PCC)	224.64	Executive Pkwy east of Camino Ramon	0.000	3599	-1.5	
68.64	245.70	Average (of DGAC and PCC)	336.96	Bishop Dr west of Camino Ramon	0.000	5398	0.7	
507.02	1451.01	Average (of DGAC and PCC)	2040.31	Bollinger Cyn Rd west of I-680	0.000	33400	-5.6	
1062.62	3041.05	Average (of DGAC and PCC)	4276.11	Bollinger Cyn Rd east of I-680	0.000	70000	-0.1	
777.23	2224.31	Average (of DGAC and PCC)	3127.67	Bollinger Cyn Rd west of Camino Ramon	0.000	51200	-1.6	
748.39	2141.77	Average (of DGAC and PCC)	3011.60	Bollinger Cyn Rd east of Camino Ramon	0.000	49300	1.4	
376.47	1077.40	Average (of DGAC and PCC)	1514.96	San Ramon Vly Blvd north of Crow Cyn	0.000	24800	-10.3	
335.48	960.10	Average (of DGAC and PCC)	1350.03	San Ramon Vly Blvd north of Norris Cyn R	0.000	22100	-6.0	
227.70	651.65	Average (of DGAC and PCC)	916.31	San Ramon Vly Blvd south of Norris Cyn R	0.000	15000	-0.6	
109.32	391.30	Average (of DGAC and PCC)	536.64	Bishop Dr north of Norris Cyn Rd	0.000	8597	0.4	
139.82	500.50	Average (of DGAC and PCC)	686.40	Bishop Dr south of Norris Cyn Rd	0.000	10997	0.0	
146.18	523.25	Average (of DGAC and PCC)	717.60	Crow Cyn Pl north of Fostoria Wy	0.000	11497	1.4	
287.27	1028.30	Average (of DGAC and PCC)	1410.24	Crow Cyn Pl north of Crow Cyn Rd	0.000	22593	0.0	
235.16	841.75	Average (of DGAC and PCC)	1154.40	Camino Ramon north of Crow Cyn Rd	0.000	18494	-0.4	
432.18	1547.00	Average (of DGAC and PCC)	2121.60	Camino Ramon south of Crow Cyn Rd	0.000	33990	0.4	
310.15	1110.20	Average (of DGAC and PCC)	1522.56	Camino Ramon north of Norris Cyn Rd	0.000	24393	0.0	
297.44	1064.70	Average (of DGAC and PCC)	1460.16	Camino Ramon south of Norris Cyn Rd	0.000	23393	-0.4	
259.31	928.20	Average (of DGAC and PCC)	1272.96	Camino Ramon south of Executive Pkwy	0.000	20394	-1.2	
287.27	1028.30	Average (of DGAC and PCC)	1410.24	Camino Ramon south of Bishop Dr	0.000	22593	-1.0	
390.13	1116.50	Average (of DGAC and PCC)	1569.94	Alcosta Blvd south of Crow Cyn Rd	0.000	25700	-2.4	
231.34	828.10	Average (of DGAC and PCC)	1135.68	Alcosta Blvd south of Norris Cyn Rd	0.000	18195	1.7	
291.46	834.12	Average (of DGAC and PCC)	1172.88	Alcosta Blvd north of Bollinger Cyn Rd	0.000	19200	-1.3	

Michael Brandman Associates

1

**North Camino Ramon Specific Plan
Source level road - Existing With Project**

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24	Gradien %	
3024.62	7166.02	Average (of DGAC and PCC)	8856.70	I-680	0.000	155000	0.1	
249.14	891.80	Average (of DGAC and PCC)	1223.04	Sunset Dr north of Bollinger Cyn Rd	0.000	19594	-0.8	
368.62	1319.50	Average (of DGAC and PCC)	1809.60	Crow Cyn PI south of Crow Cyn Rd	0.000	28991	-0.9	



	Michael Brandman Associates	2
--	-----------------------------	---

**North Camino Ramon Specific Plan
Assessed receiver levels - Year 2030 Without Project**

Name	Usage	Floor	Dir	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 MFR	RS	GF	SE	67	63	61	60
02 MFR	RS	GF	S	70	65	63	64
03 SFR	RS	GF	SW	65	61	58	58
04 MFR	RS	GF	SW	71	66	63	65
05 Hospital	RS	GF	SW	62	58	56	55
06 SFR	RS	GF	SW	68	63	60	61
07 School	RS	GF	SW	61	55	52	54
08 Hotel	RS	GF	NE	68	64	62	60
09 SFR	RS	GF	NE	70	66	65	63
10 Church	RS	GF	NE	74	71	69	67
11 SFR	RS	GF	NE	71	67	65	64



North Camino Ramon Specific Plan Source level road - Year 2030 Without Project

16

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24	Gradien %	
238.97	855.40	Average (of DGAC and PCC)	1173.12	Fostoria Way west of Crow Canyon Pl	0.000	18794	2.9	
420.74	1506.05	Average (of DGAC and PCC)	2065.44	Fostoria Way east of Crow Cyn Pl	0.000	33090	-1.1	
172.87	618.80	Average (of DGAC and PCC)	848.64	Fostoria Way east of Camino Ramon	0.000	13596	4.3	
718.03	2054.88	Average (of DGAC and PCC)	2889.43	Crow Canyon Rd west of San Ramon Valley	0.000	47300	6.0	
1118.79	3201.79	Average (of DGAC and PCC)	4502.13	Crow Canyon Rd east of I-680 NB Ramps	0.000	73700	2.7	
793.93	2272.10	Average (of DGAC and PCC)	3194.86	Crow Canyon Rd east of Crow Cyn Pl	0.000	52300	-1.4	
856.17	2450.21	Average (of DGAC and PCC)	3445.32	Crow Cyn Rd east of Camino Ramon	0.000	56400	-0.8	
915.37	2619.64	Average (of DGAC and PCC)	3683.56	Crow Cyn Rd east of Alcosta Blvd	0.000	60300	5.2	
138.55	495.95	Average (of DGAC and PCC)	680.16	Norris Cyn Rd west of San Ramon Valley B	0.000	10897	0.0	
359.72	1287.65	Average (of DGAC and PCC)	1765.92	Norris Cyn Rd west of Bishop Dr	0.000	28292	0.0	
275.83	987.35	Average (of DGAC and PCC)	1354.08	Norris Cyn Rd east of Bishop Dr	0.000	21693	-1.2	
297.44	1064.70	Average (of DGAC and PCC)	1460.16	Norris Cyn Rd east of Camino Ramon	0.000	23393	-1.0	
106.77	382.20	Average (of DGAC and PCC)	524.16	Executive Pkwy west of Camino Ramon	0.000	8397	-0.9	
49.57	177.45	Average (of DGAC and PCC)	243.36	Executive Pkwy east of Camino Ramon	0.000	3899	-1.5	
179.23	641.55	Average (of DGAC and PCC)	879.84	Bishop Dr west of Camino Ramon	0.000	14096	0.7	
683.11	1954.96	Average (of DGAC and PCC)	2748.93	Bollinger Cyn Rd west of I-680	0.000	45000	-5.6	
1404.17	4018.53	Average (of DGAC and PCC)	5650.57	Bollinger Cyn Rd east of I-680	0.000	92500	-0.1	
1053.51	3014.98	Average (of DGAC and PCC)	4239.46	Bollinger Cyn Rd west of Camino Ramon	0.000	69400	-1.6	
888.05	2541.45	Average (of DGAC and PCC)	3573.60	Bollinger Cyn Rd east of Camino Ramon	0.000	58500	1.4	
490.32	1403.23	Average (of DGAC and PCC)	1973.12	San Ramon Vly Blvd north of Crow Cyn	0.000	32300	-10.3	
379.51	1086.09	Average (of DGAC and PCC)	1527.18	San Ramon Vly Blvd north of Norris Cyn R	0.000	25000	-6.0	
320.30	916.66	Average (of DGAC and PCC)	1288.94	San Ramon Vly Blvd south of Norris Cyn R	0.000	21100	-0.6	
36.86	131.95	Average (of DGAC and PCC)	180.96	Bishop Dr north of Norris Cyn Rd	0.000	2899	1.7	
139.82	500.50	Average (of DGAC and PCC)	686.40	Bishop Dr south of Norris Cyn Rd	0.000	10997	0.0	
263.12	941.85	Average (of DGAC and PCC)	1291.68	Crow Cyn Pl north of Fostoria Wy	0.000	20694	1.4	
312.69	1119.30	Average (of DGAC and PCC)	1535.04	Crow Cyn Pl north of Crow Cyn Rd	0.000	24593	0.0	
268.20	960.05	Average (of DGAC and PCC)	1316.64	Camino Ramon north of Crow Cyn Rd	0.000	21094	-0.4	
287.27	1028.30	Average (of DGAC and PCC)	1410.24	Camino Ramon south of Crow Cyn Rd	0.000	22593	0.4	
317.78	1137.50	Average (of DGAC and PCC)	1560.00	Camino Ramon north of Norris Cyn Rd	0.000	24993	0.0	
247.87	887.25	Average (of DGAC and PCC)	1216.80	Camino Ramon south of Norris Cyn Rd	0.000	19494	-0.4	
213.55	764.40	Average (of DGAC and PCC)	1048.32	Camino Ramon south of Executive Pkwy	0.000	16795	-1.2	
224.99	805.35	Average (of DGAC and PCC)	1104.48	Camino Ramon south of Bishop Dr	0.000	17695	-1.0	
487.29	1394.54	Average (of DGAC and PCC)	1960.90	Alcosta Blvd south of Crow Cyn Rd	0.000	32100	-2.4	
301.25	1078.35	Average (of DGAC and PCC)	1478.88	Alcosta Blvd south of Norris Cyn Rd	0.000	23693	1.7	
437.19	1251.17	Average (of DGAC and PCC)	1759.31	Alcosta Blvd north of Bollinger Cyn Rd	0.000	28800	-1.3	

Michael Brandman Associates

1

**North Camino Ramon Specific Plan
Source level road - Year 2030 Without Project**

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24	Gradien %	
3024.62	7166.02	Average (of DGAC and PCC)	8856.70	I-680	0.000	155000	0.1	
249.14	891.80	Average (of DGAC and PCC)	1223.04	Sunset Dr north of Bollinger Cyn Rd	0.000	19594	-0.8	
283.46	1014.65	Average (of DGAC and PCC)	1391.52	Crow Cyn Pl south of Crow Cyn Rd	0.000	22293	-0.9	

--	--	--	--	--	--	--	--	--

	Michael Brandman Associates	2
--	-----------------------------	---

**North Camino Ramon Specific Plan
Assessed receiver levels - Year 2030 With Project**

Name	Usage	Floor	Dir	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 MFR	RS	GF	SE	66	62	60	59
02 MFR	RS	GF	S	70	65	62	63
03 SFR	RS	GF	SW	65	60	58	58
04 MFR	RS	GF	SW	71	66	63	64
05 Hospital	RS	GF	SW	61	57	55	54
06 SFR	RS	GF	SW	68	62	59	61
07 School	RS	GF	SW	60	55	52	53
08 Hotel	RS	GF	NE	67	63	62	60
09 SFR	RS	GF	NE	70	66	65	63
10 Church	RS	GF	NE	74	71	69	67
11 SFR	RS	GF	NE	71	66	64	64



North Camino Ramon Specific Plan Source level road - Year 2030 With Project

16

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24	Gradien %	
189.40	677.95	Average (of DGAC and PCC)	929.76	Fostoria Way west of Crow Canyon Pl	0.000	14896	2.9	
230.07	823.55	Average (of DGAC and PCC)	1129.44	Fostoria Way east of Crow Cyn Pl	0.000	18095	-1.1	
171.60	614.25	Average (of DGAC and PCC)	842.40	Fostoria Way east of Camino Ramon	0.000	13496	4.3	
695.26	1989.71	Average (of DGAC and PCC)	2797.80	Crow Canyon Rd west of San Ramon Valley	0.000	45800	6.0	
1006.45	2880.31	Average (of DGAC and PCC)	4050.08	Crow Canyon Rd east of I-680 NB Ramps	0.000	66300	2.7	
740.80	2120.04	Average (of DGAC and PCC)	2981.06	Crow Canyon Rd east of Crow Cyn Pl	0.000	48800	-1.4	
837.95	2398.08	Average (of DGAC and PCC)	3372.02	Crow Cyn Rd east of Camino Ramon	0.000	55200	-0.8	
875.90	2506.69	Average (of DGAC and PCC)	3524.73	Crow Cyn Rd east of Alcosta Blvd	0.000	57700	5.2	
124.57	445.90	Average (of DGAC and PCC)	611.52	Norris Cyn Rd west of San Ramon Valley B	0.000	9797	0.0	
303.80	1087.45	Average (of DGAC and PCC)	1491.36	Norris Cyn Rd west of Bishop Dr	0.000	23893	0.0	
214.82	768.95	Average (of DGAC and PCC)	1054.56	Norris Cyn Rd east of Bishop Dr	0.000	16895	-1.2	
195.75	700.70	Average (of DGAC and PCC)	960.96	Norris Cyn Rd east of Camino Ramon	0.000	15395	-1.0	
111.86	400.40	Average (of DGAC and PCC)	549.12	Executive Pkwy west of Camino Ramon	0.000	8797	-0.9	
61.01	218.40	Average (of DGAC and PCC)	299.52	Executive Pkwy east of Camino Ramon	0.000	4799	-1.5	
166.52	596.05	Average (of DGAC and PCC)	817.44	Bishop Dr west of Camino Ramon	0.000	13096	0.7	
727.13	2080.94	Average (of DGAC and PCC)	2926.08	Bollinger Cyn Rd west of I-680	0.000	47900	-5.6	
1341.94	3840.41	Average (of DGAC and PCC)	5400.11	Bollinger Cyn Rd east of I-680	0.000	88400	-0.1	
986.72	2823.83	Average (of DGAC and PCC)	3970.67	Bollinger Cyn Rd west of Camino Ramon	0.000	65000	-1.6	
821.25	2350.29	Average (of DGAC and PCC)	3304.82	Bollinger Cyn Rd east of Camino Ramon	0.000	54100	1.4	
481.21	1377.16	Average (of DGAC and PCC)	1936.47	San Ramon Vly Blvd north of Crow Cyn	0.000	31700	-10.3	
320.30	916.66	Average (of DGAC and PCC)	1288.94	San Ramon Vly Blvd north of Norris Cyn R	0.000	21100	-6.0	
279.32	799.36	Average (of DGAC and PCC)	1124.01	San Ramon Vly Blvd south of Norris Cyn R	0.000	18400	-0.6	
133.47	477.75	Average (of DGAC and PCC)	655.20	Bishop Dr north of Norris Cyn Rd	0.000	10497	0.4	
153.80	550.55	Average (of DGAC and PCC)	755.04	Bishop Dr south of Norris Cyn Rd	0.000	12096	0.0	
232.61	832.65	Average (of DGAC and PCC)	1141.92	Crow Cyn Pl north of Fostoria Wy	0.000	18295	1.4	
275.83	987.35	Average (of DGAC and PCC)	1354.08	Crow Cyn Pl north of Crow Cyn Rd	0.000	21693	0.0	
224.99	805.35	Average (of DGAC and PCC)	1104.48	Camino Ramon north of Crow Cyn Rd	0.000	17695	-0.4	
247.87	887.25	Average (of DGAC and PCC)	1216.80	Camino Ramon south of Crow Cyn Rd	0.000	19494	0.4	
195.75	700.70	Average (of DGAC and PCC)	960.96	Camino Ramon north of Norris Cyn Rd	0.000	15395	0.0	
162.70	582.40	Average (of DGAC and PCC)	798.72	Camino Ramon south of Norris Cyn Rd	0.000	12796	-0.4	
203.38	728.00	Average (of DGAC and PCC)	998.40	Camino Ramon south of Executive Pkwy	0.000	15995	-1.2	
218.63	782.60	Average (of DGAC and PCC)	1073.28	Camino Ramon south of Bishop Dr	0.000	17195	-1.0	
441.75	1264.21	Average (of DGAC and PCC)	1777.64	Alcosta Blvd south of Crow Cyn Rd	0.000	29100	-2.4	
240.24	859.95	Average (of DGAC and PCC)	1179.36	Alcosta Blvd south of Norris Cyn Rd	0.000	18894	1.7	
426.57	1220.76	Average (of DGAC and PCC)	1716.55	Alcosta Blvd north of Bollinger Cyn Rd	0.000	28100	-1.3	

Michael Brandman Associates

1

North Camino Ramon Specific Plan Source level road - Year 2030 With Project

16

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24	Gradien %	
3024.62	7166.02	Average (of DGAC and PCC)	8856.70	I-680	0.000	155000	0.1	
249.14	891.80	Average (of DGAC and PCC)	1223.04	Sunset Dr north of Bollinger Cyn Rd	0.000	19594	-0.8	
344.47	1233.05	Average (of DGAC and PCC)	1691.04	Crow Cyn PI south of Crow Cyn Rd	0.000	27092	-0.9	

--	--	--	--	--	--	--	--	--

	Michael Brandman Associates	2
--	-----------------------------	---