FIELD SURVEY FORM

PROJECT: I-405 PA-ED	ENGINEER: OGDEN	DATE: 6/15/10
MEASUREMENT ADDRESS: 8711 Heil Ave	CITY: Westminster	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial — SITE NO.: LT12

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☒ LD-820	☒ WIND SCREEN	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☐ LD-812	☐ NON-POLAR ☒ POLARIZED	☒ LD-828	(observations at start of measurement)
☐ B&K-2250 ☐ _____	☒ 1/2-INCH ☐ FREEFIELD	☐ _____	TEMP: 78 °F R.H.: 56 %
SERIAL #: 1177	☐ 1-INCH ☒ RANDOM	SERIAL #: 1629	WIND SPEED: 11 MPH
	SERIAL #: 16967		TOWARD (DIR): _____

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time
☒ LD CA250	☒ 250	Before 114, 114.0, 7.9, 15:57
☐ B&K 4231	☐ 1000	After 114, 113.9, 7.9, 17:00
S/N 2479	☐ _____	

SKIES: _____

CAMERA _____

PHOTO NOs. _____

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES

NOTES: MIC @ 5'6"

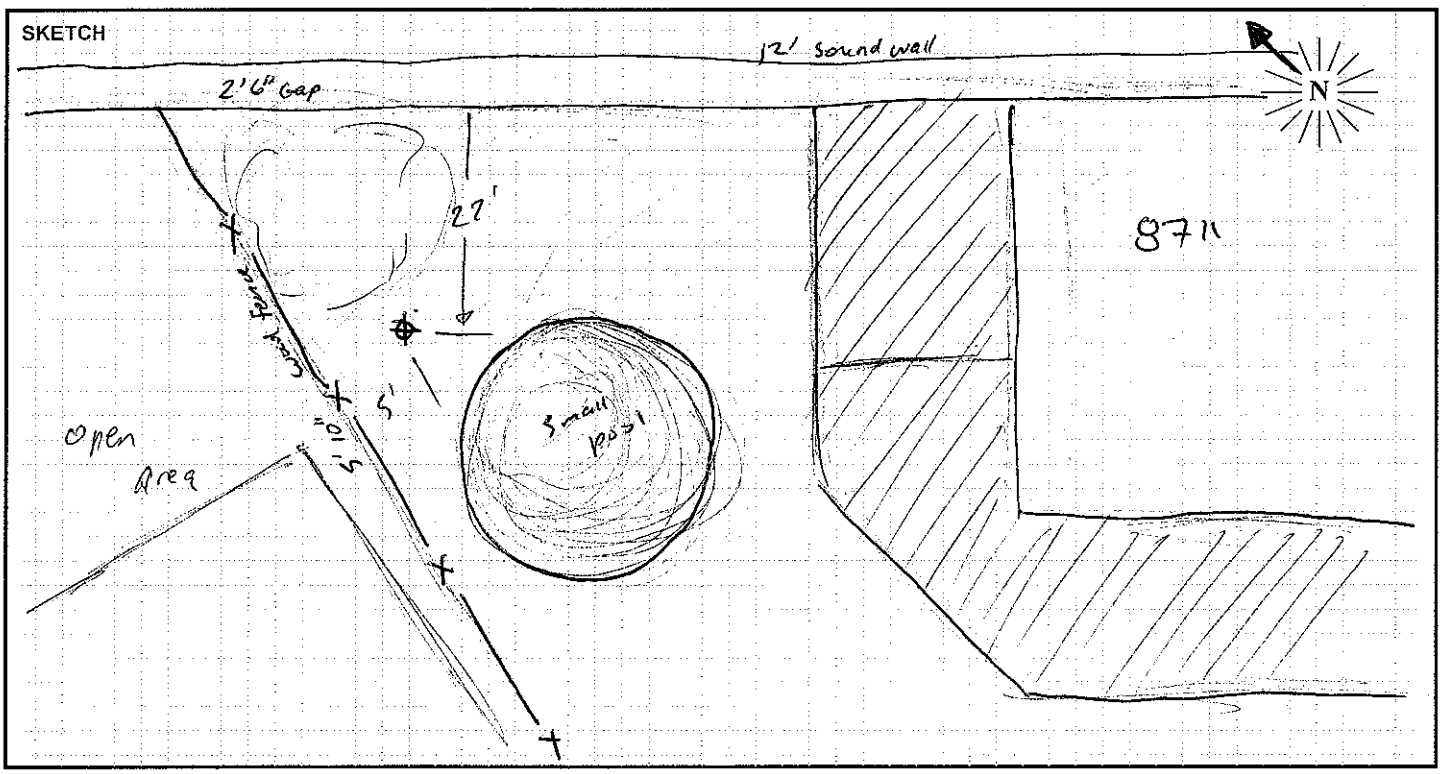
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/15	16:05											
6/16		16:59										

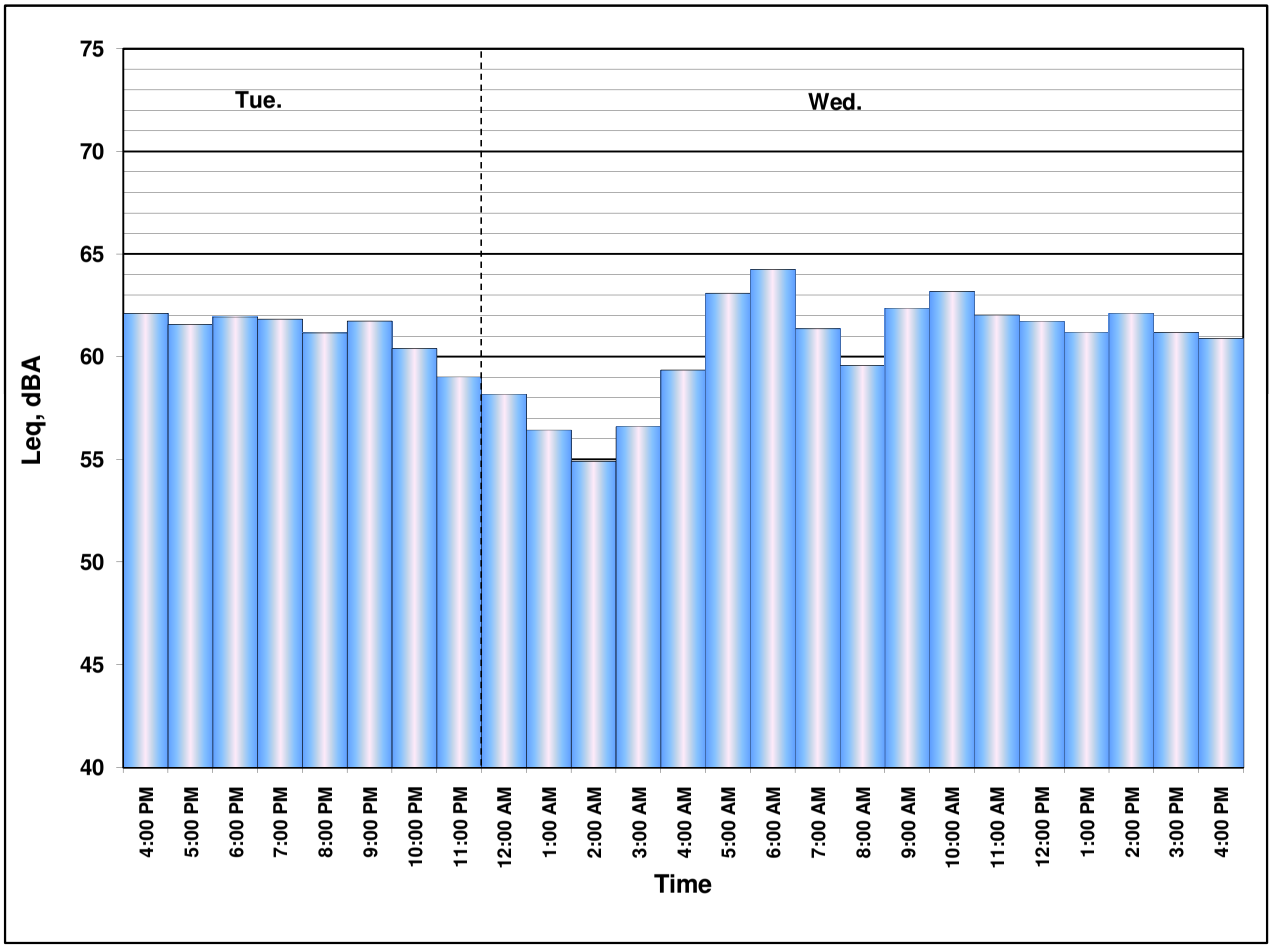
SKETCH



Site LT12 Hourly Noise Levels, $L_{eq}(h)$

Location: 8711 Heil Ave., Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/15/10 - 06/16/10 **Notes:** See attached Noise Measurement Form.

TIME	6/15-6/16 $L_{eq(h)}$ dBA
04:00 - 05:00 PM	62
05:00 - 06:00 PM	62
06:00 - 07:00 PM	62
07:00 - 08:00 PM	62
08:00 - 09:00 PM	61
09:00 - 10:00 PM	62
10:00 - 11:00 PM	60
11:00 - 12:00 AM	59
12:00 - 01:00 AM	58
01:00 - 02:00 AM	56
02:00 - 03:00 AM	55
03:00 - 04:00 AM	57
04:00 - 05:00 AM	59
05:00 - 06:00 AM	63
06:00 - 07:00 AM	64
07:00 - 08:00 AM	61
08:00 - 09:00 AM	60
09:00 - 10:00 AM	62
10:00 - 11:00 AM	63
11:00 - 12:00 PM	62
12:00 - 01:00 PM	62
01:00 - 02:00 PM	61
02:00 - 03:00 PM	62
03:00 - 04:00 PM	61
04:00 - 05:00 PM	61



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: OGDEN	DATE: 6/11/10
MEASUREMENT ADDRESS: 16381 Venus Pl.	CITY: Westminster	☐ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT13

SOUND LEVEL METER: ☐ LD-870 ☐ LD-820 ☐ LD-824 ☒ LD-812 ☐ B&K-2250 ☐ _____	MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☒ FREEFIELD ☐ 1-INCH ☐ RANDOM	PRE AMP: ☐ LD-900 ☒ LD-828 ☐ _____	NOTES: SYSTEM PWR: ☒ BAT ☐ AC (observations at start of measurement)
SERIAL #: 0638	SERIAL #: 3158	SERIAL #: 1901	TEMP: 72 °F R.H.: 56 %

CALIBRATOR: ☒ LD CA250 ☐ B&K 4231 S/N 2480	Freq, Hz. ☒ 250 ☐ 1000 ☐ _____	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time Before 114, 114, 8.7, 13:32 After 114, 114.2, 8.7, 11:42

WIND SPEED: 3 MPH
TOWARD (DIR): NE
SKIES: Clear
CAMERA iPhone
PHOTO NOs. _____

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES

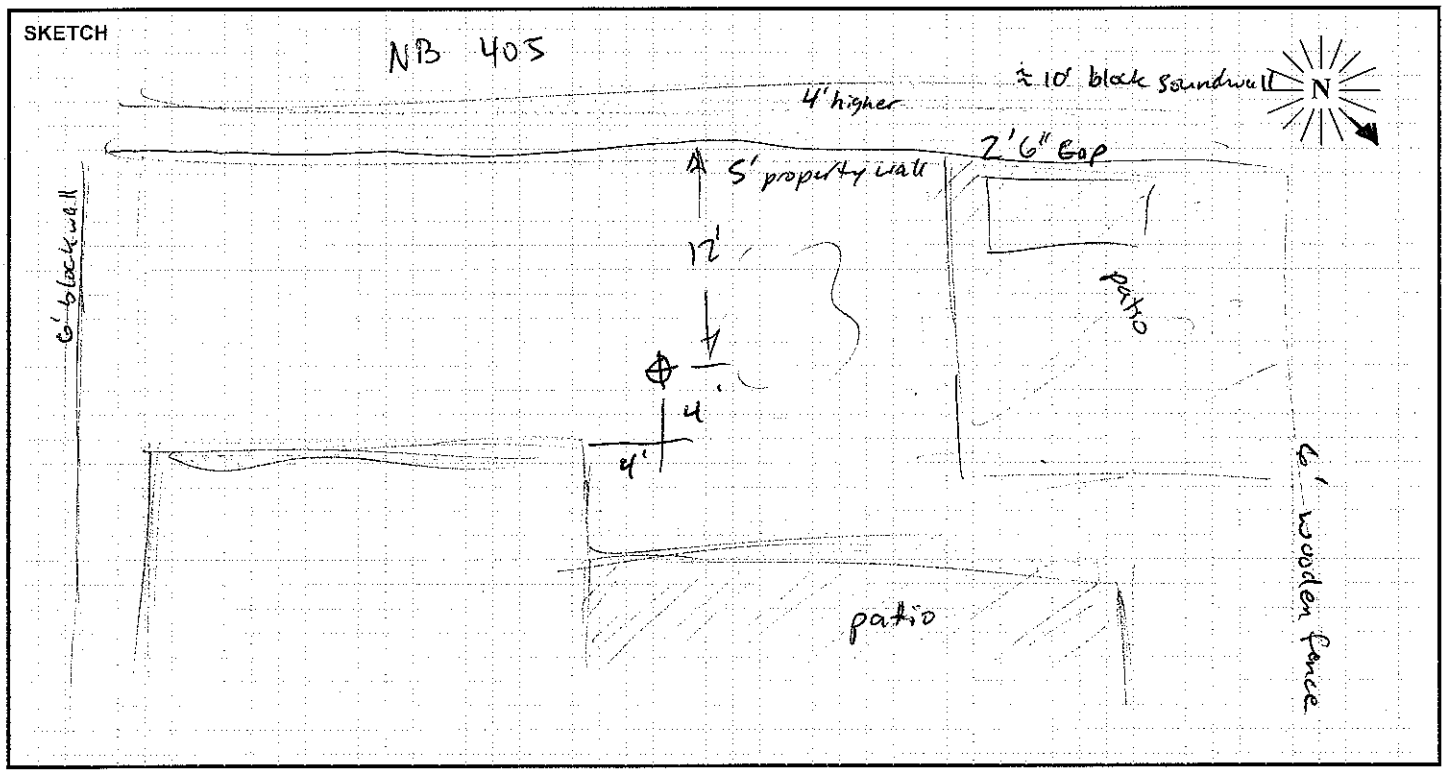
NOTES:

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/11	13:33											
6/15		11:39										

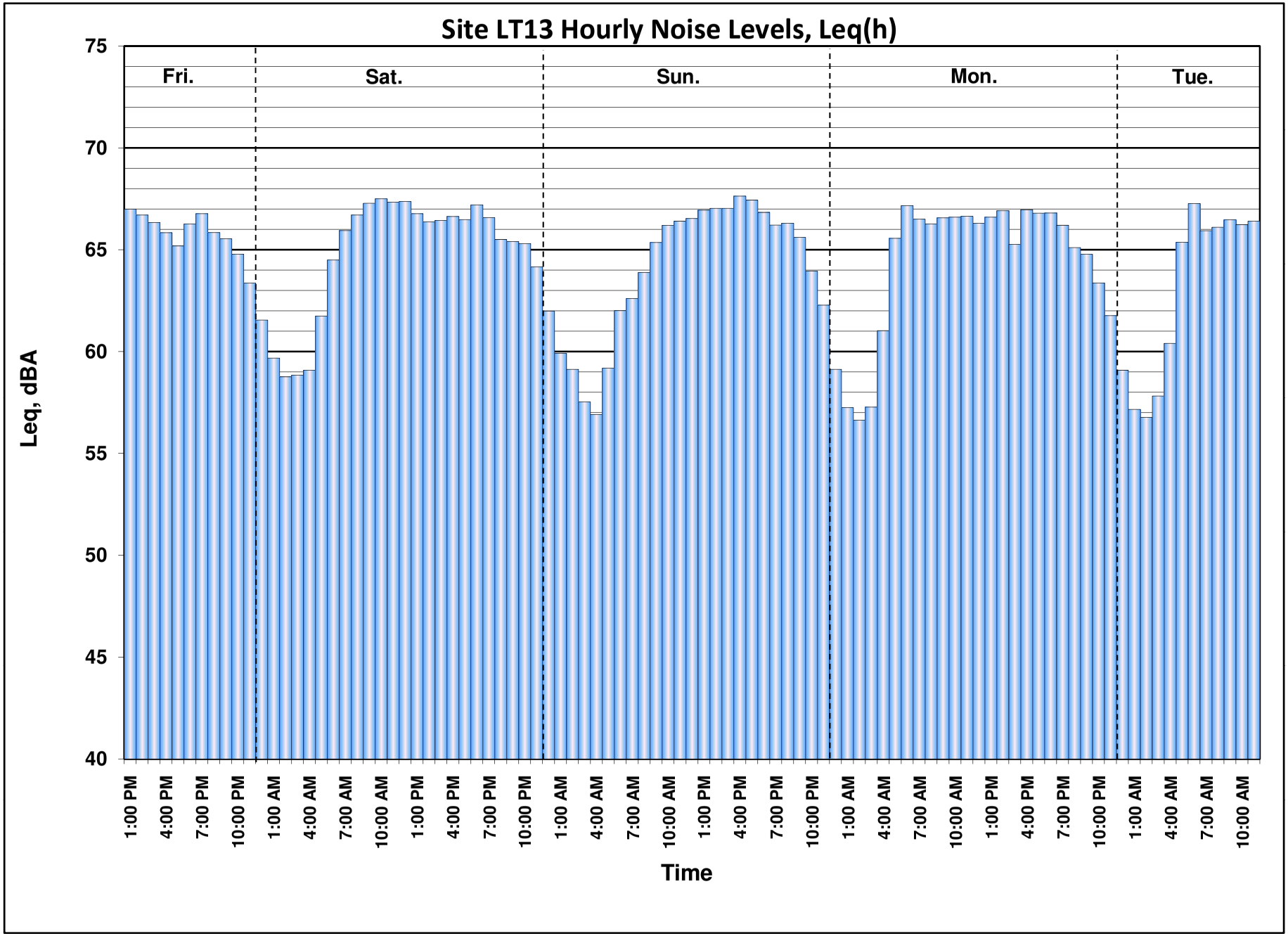
SKETCH



Site LT13 Hourly Noise Levels, $L_{eq}(h)$

Location: 16381 Venus St., Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/11/10 - 06/15/10 **Notes:** See attached Noise Measurement Form.

TIME	6/11-6/12 $L_{eq(h)}$ dBA	6/12-6/13 $L_{eq(h)}$ dBA	6/13-6/14 $L_{eq(h)}$ dBA	6/14-6/15 $L_{eq(h)}$ dBA
01:00 - 02:00 PM	67	67	67	67
02:00 - 03:00 PM	67	66	67	67
03:00 - 04:00 PM	66	66	67	65
04:00 - 05:00 PM	66	67	68	67
05:00 - 06:00 PM	65	66	67	67
06:00 - 07:00 PM	66	67	67	67
07:00 - 08:00 PM	67	67	66	66
08:00 - 09:00 PM	66	66	66	65
09:00 - 10:00 PM	66	65	66	65
10:00 - 11:00 PM	65	65	64	63
11:00 - 12:00 AM	63	64	62	62
12:00 - 01:00 AM	62	62	59	59
01:00 - 02:00 AM	60	60	57	57
02:00 - 03:00 AM	59	59	57	57
03:00 - 04:00 AM	59	58	57	58
04:00 - 05:00 AM	59	57	61	60
05:00 - 06:00 AM	62	59	66	65
06:00 - 07:00 AM	64	62	67	67
07:00 - 08:00 AM	66	63	67	66
08:00 - 09:00 AM	67	64	66	66
09:00 - 10:00 AM	67	65	67	66
10:00 - 11:00 AM	68	66	67	66
11:00 - 12:00 PM	67	66	67	66
12:00 - 01:00 PM	67	67	66	


Site LT13 Hourly Noise Levels, Leq(h)
Fri.
Sat.
Sun.
Mon.
Tue.
Leq, dBA
75
70
65
60
55
50
45
40
1:00 PM
4:00 PM
7:00 PM
10:00 PM
1:00 AM
4:00 AM
7:00 AM
10:00 AM
1:00 PM
4:00 PM
7:00 PM
10:00 PM
1:00 AM
4:00 AM
7:00 AM
10:00 AM
1:00 PM
4:00 PM
7:00 PM
10:00 PM
1:00 AM
4:00 AM
7:00 AM
10:00 AM
1:00 PM
4:00 PM
7:00 PM
10:00 PM
1:00 AM
4:00 AM
7:00 AM
10:00 AM
Time

FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: OLDEN	DATE: 6/15/10
MEASUREMENT ADDRESS: 8480 Wells Rd.	CITY: Westminster	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT 14

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☐ NON-POLAR ☐ POLARIZED	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☒ LD-812	☐ 1/2-INCH ☐ FREEFIELD	☐ LD-828	(observations at start of measurement)
☐ B&K-2250 ☐ _____	☐ 1-INCH ☐ RANDOM	☐ _____	TEMP: 73 °F R.H.: 66 %
SERIAL #: 0638	SERIAL #: 3158	SERIAL #: 1901	WIND SPEED: 1.4 MPH

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☒ LD CA250	☒ 250	Before	114, 114, 8.8, 14:06
☐ B&K 4231	☐ 1000	After	114, 114, 8.8, 16:34
S/N 2479	☐ _____		

TOWARD (DIR): Calm
SKIES: Clear
CAMERA iphone
PHOTO NOs. _____

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☐ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES

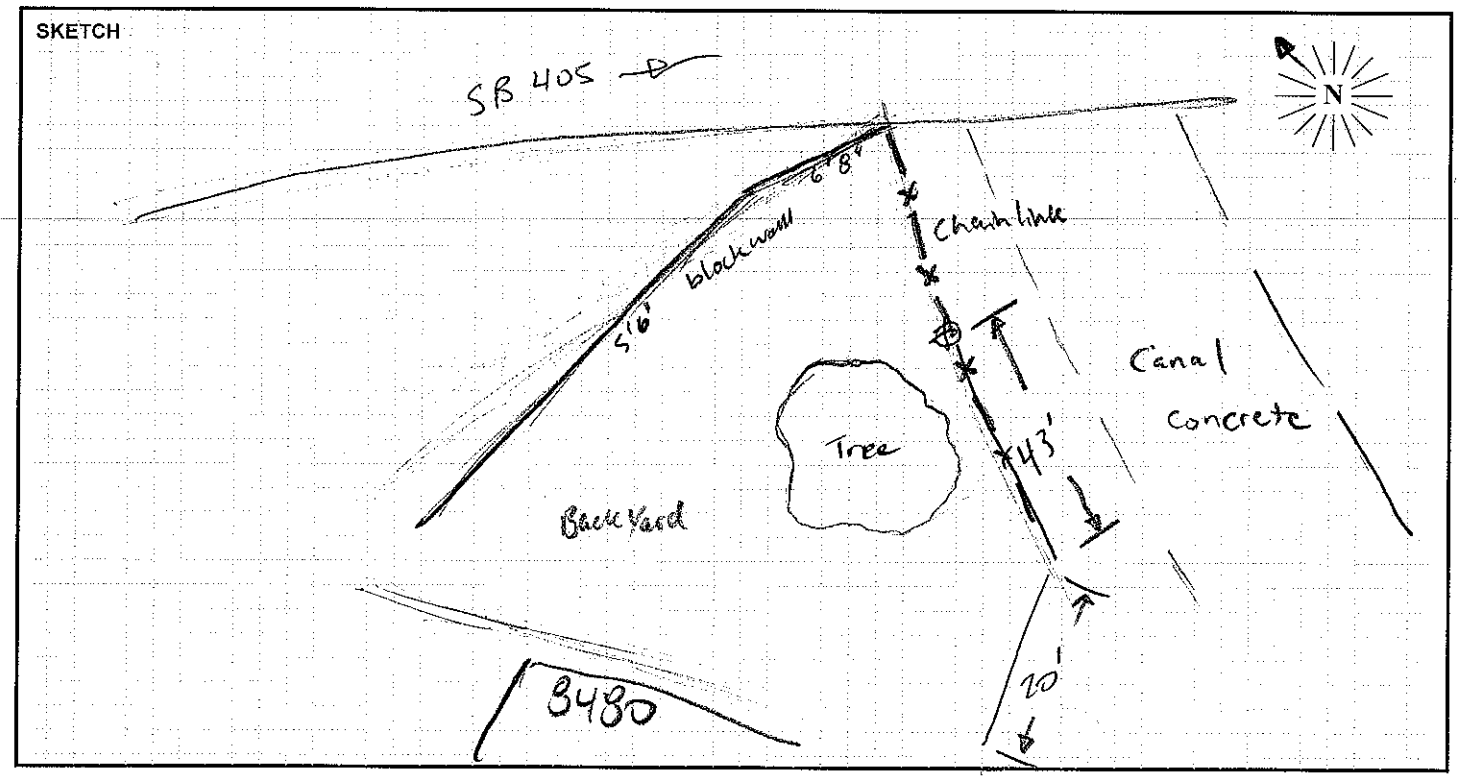
NOTES: mic @ 5'8"

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/15	14:09											
6/16		16:26										

SKETCH

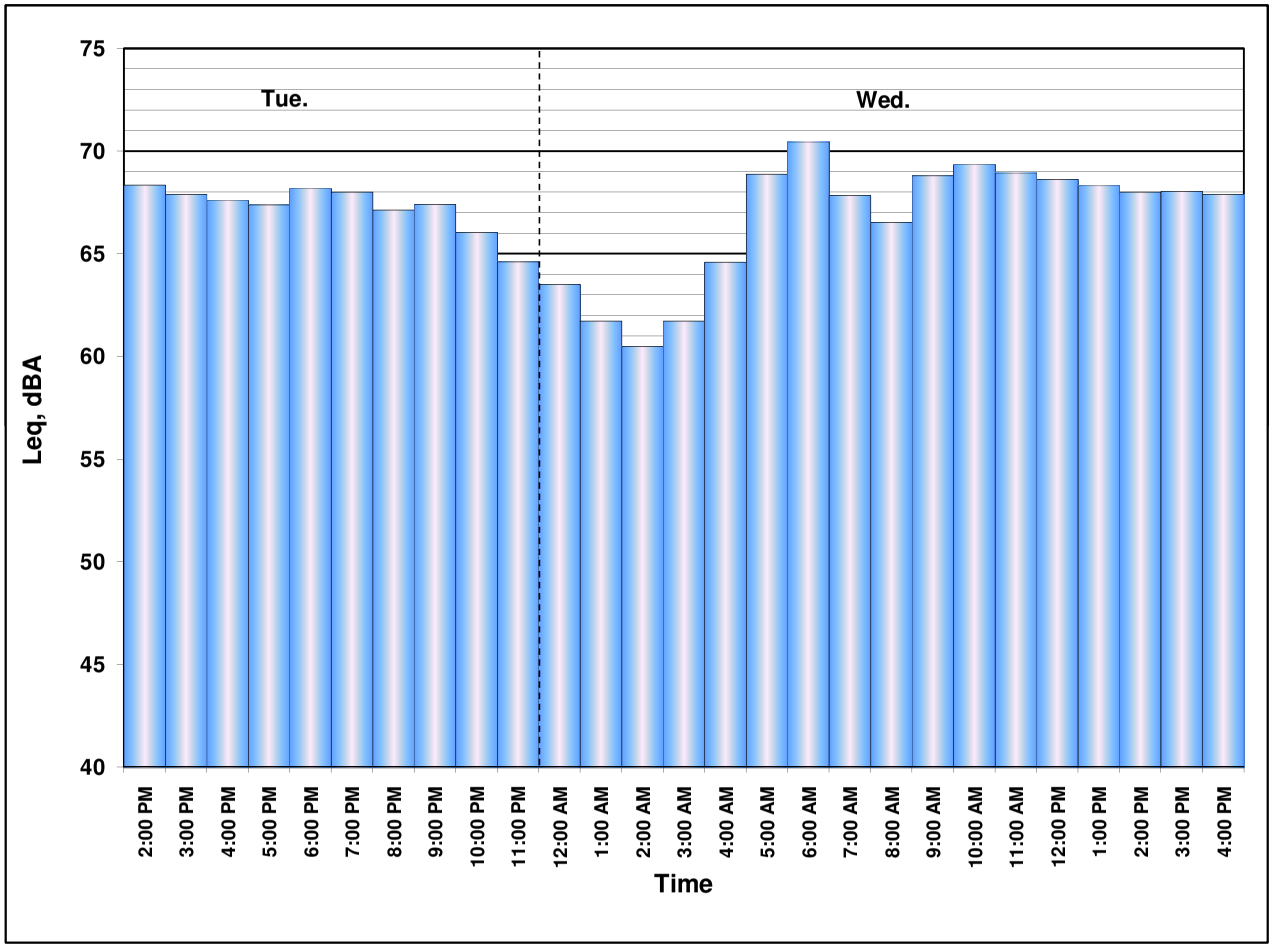


PARSONS

Site LT14 Hourly Noise Levels, $L_{eq}(h)$

Location: 8480 Wells Road, Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/15/10 - 06/16/10 **Notes:** See attached Noise Measurement Form.

TIME	6/15-6/16 $L_{eq(h)}$ dBA
02:00 - 03:00 PM	68
03:00 - 04:00 PM	68
04:00 - 05:00 PM	68
05:00 - 06:00 PM	67
06:00 - 07:00 PM	68
07:00 - 08:00 PM	68
08:00 - 09:00 PM	67
09:00 - 10:00 PM	67
10:00 - 11:00 PM	66
11:00 - 12:00 AM	65
12:00 - 01:00 AM	64
01:00 - 02:00 AM	62
02:00 - 03:00 AM	60
03:00 - 04:00 AM	62
04:00 - 05:00 AM	65
05:00 - 06:00 AM	69
06:00 - 07:00 AM	70
07:00 - 08:00 AM	68
08:00 - 09:00 AM	67
09:00 - 10:00 AM	69
10:00 - 11:00 AM	69
11:00 - 12:00 PM	69
12:00 - 01:00 PM	69
01:00 - 02:00 PM	68
02:00 - 03:00 PM	68
03:00 - 04:00 PM	68
04:00 - 05:00 PM	68



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: OGDEN	DATE: 6/11/10
MEASUREMENT ADDRESS: 15431 Cascade Ln	CITY: Westminster	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT 15

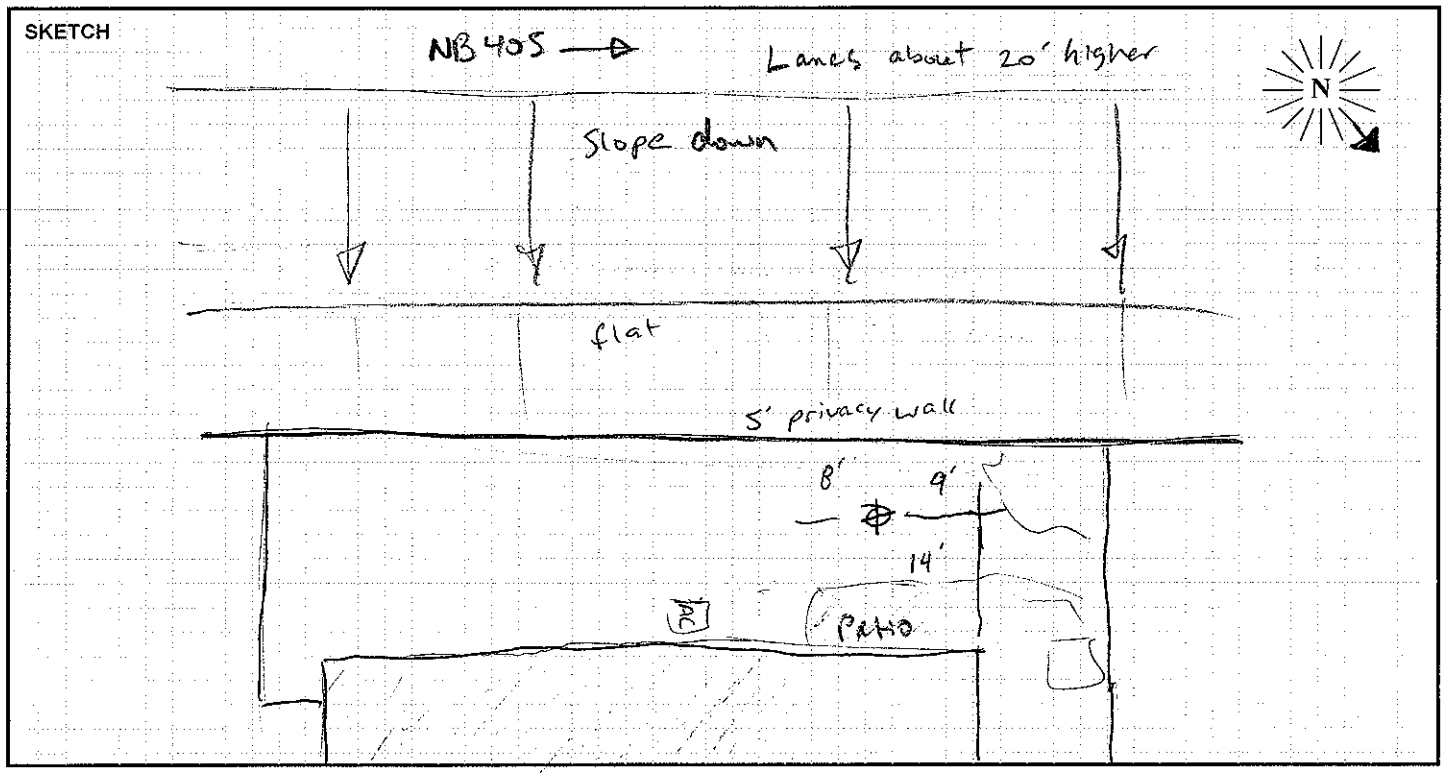
SOUND LEVEL METER:	MICROPHONE: ☒ WIND SCREEN	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☒ NON-POLAR ☐ POLARIZED	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☒ LD-812	☒ 1/2-INCH ☐ FREEFIELD	☒ LD-828	(observations at start of measurement)
☐ B&K-2250 ☐ _____	☐ 1-INCH ☐ RANDOM	☐ _____	
SERIAL #: 0639	SERIAL #: [redacted] 3155	SERIAL #: [redacted]	TEMP: 73 °F R.H.: 57 %

CALIBRATOR:		CALIBRATION RECORD: 1938	
	Freq, Hz.	Input, dB / Reading, dB / Offset, dB / Time	WIND SPEED: 1-2 MPH
☒ LD CA250	☒ 250	Before 114, 114, 6.6, 14:48	TOWARD (DIR): Colin
☐ B&K 4231	☐ 1000		SKIES: Partly Cloudy
S/N 2480 / 2479	☐ _____	After 114, 113.9, 6.6, 12:01	CAMERA iphone
METER SETTINGS: ☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE			PHOTO NOs. _____
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES			

NOTES:	Dist. to Center of Nearest Lane _____	☐ Video ☐ Radar	Counts AT MT HT	MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/11	14:48											
6/15		12:00										

SKETCH

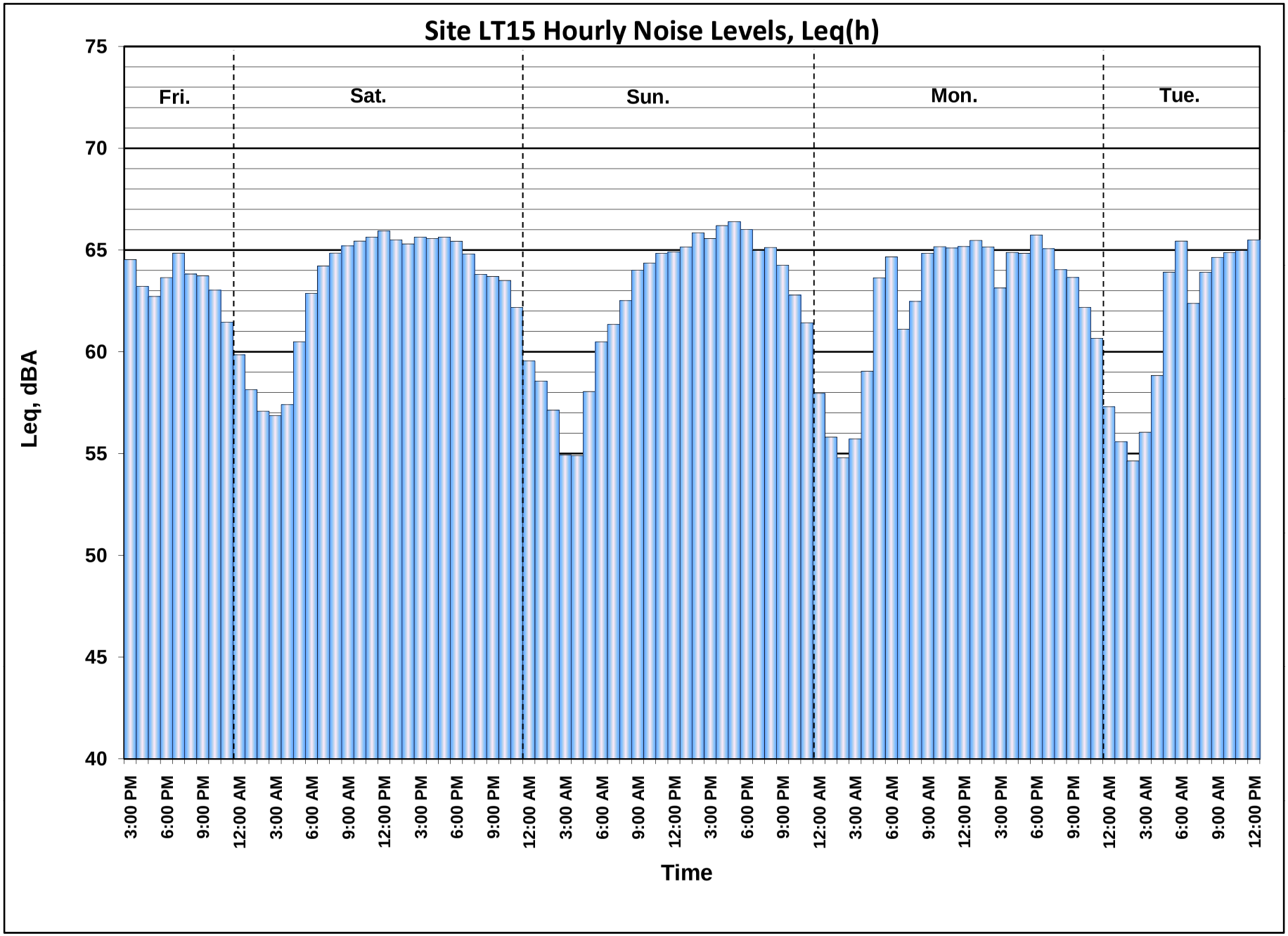


PARSONS

Site LT15 Hourly Noise Levels, $L_{eq}(h)$

Location: 15431 Cascade Ln., Huntington Beach, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/11/10 - 06/15/10 **Notes:** See attached Noise Measurement Form.

TIME	6/11-6/12 $L_{eq(h)}$ dBA	6/12-6/13 $L_{eq(h)}$ dBA	6/13-6/14 $L_{eq(h)}$ dBA	6/14-6/15 $L_{eq(h)}$ dBA
03:00 - 04:00 PM	65	66	66	63
04:00 - 05:00 PM	63	66	66	65
05:00 - 06:00 PM	63	66	66	65
06:00 - 07:00 PM	64	65	66	66
07:00 - 08:00 PM	65	65	65	65
08:00 - 09:00 PM	64	64	65	64
09:00 - 10:00 PM	64	64	64	64
10:00 - 11:00 PM	63	64	63	62
11:00 - 12:00 AM	61	62	61	61
12:00 - 01:00 AM	60	60	58	57
01:00 - 02:00 AM	58	59	56	56
02:00 - 03:00 AM	57	57	55	55
03:00 - 04:00 AM	57	55	56	56
04:00 - 05:00 AM	57	55	59	59
05:00 - 06:00 AM	60	58	64	64
06:00 - 07:00 AM	63	60	65	65
07:00 - 08:00 AM	64	61	61	62
08:00 - 09:00 AM	65	63	62	64
09:00 - 10:00 AM	65	64	65	65
10:00 - 11:00 AM	65	64	65	65
11:00 - 12:00 PM	66	65	65	65
12:00 - 01:00 PM	66	65	65	66
01:00 - 02:00 PM	66	65	65	--
02:00 - 03:00 PM	65	66	65	--


Site LT15 Hourly Noise Levels, Leq(h)
Fri.
Sat.
Sun.
Mon.
Tue.
Leq, dBA
75
70
65
60
55
50
45
40
3:00 PM
6:00 PM
9:00 PM
12:00 AM
3:00 AM
6:00 AM
9:00 AM
12:00 PM
Time

FIELD SURVEY FORM

PROJECT: I-405_PA-ED

ENGINEER: Ibrahim A / Philip J.

DATE: 06/15/10

MEASUREMENT ADDRESS: 15272 Vermont St.

CITY: Westminster

☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial

SITE NO.: LT 16

SOUND LEVEL METER: ☐ LD-870 ☐ LD-820 ☐ LD-824 ☒ LD-812 ☐ B&K-2250 ☐ _____

SERIAL #: 0659

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM

SERIAL #: 3378

PRE AMP: ☐ LD-900 ☒ LD-828 ☐ _____

SERIAL #: 1891

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 73 °F R.H.: 61 %

WIND SPEED: 1.6 MPH

TOWARD (DIR): Calm

SKIES: Sunny

CAMERA _____

PHOTO NOs. 39-47

CALIBRATOR: ☒ LD CA250 ☐ B&K 4231 S/N _____

Freq, Hz. ☒ 250 ☐ 1000 ☐ _____

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 6.7, 14:01

After 114, 113.7, 6.7, 15:14

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 - MINUTE ☐ L_N PERCENTILE VALUES

NOTES:

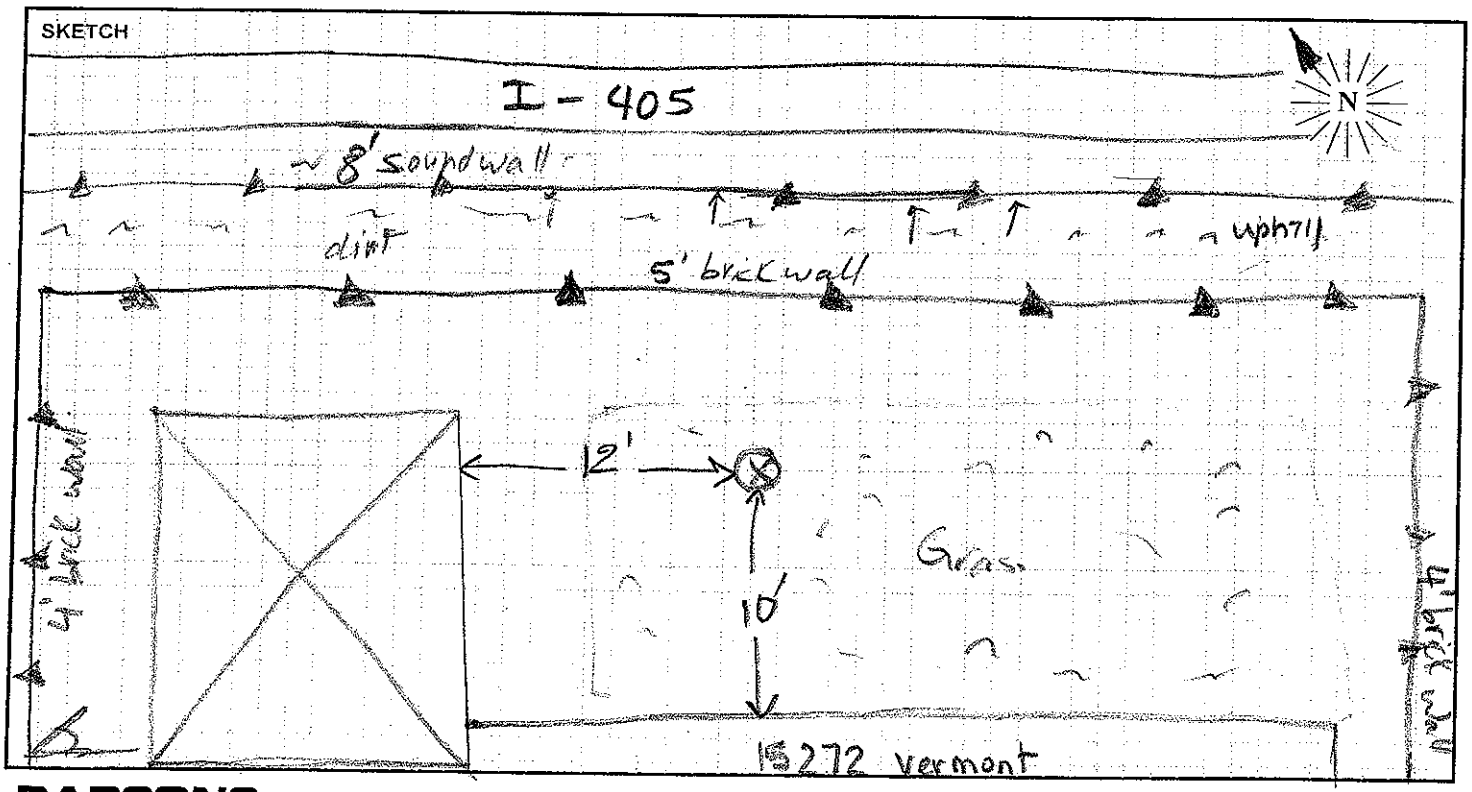
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/15	14:02											sound wall starts 2
6/16		15:11										houses down (on the left)

SKETCH

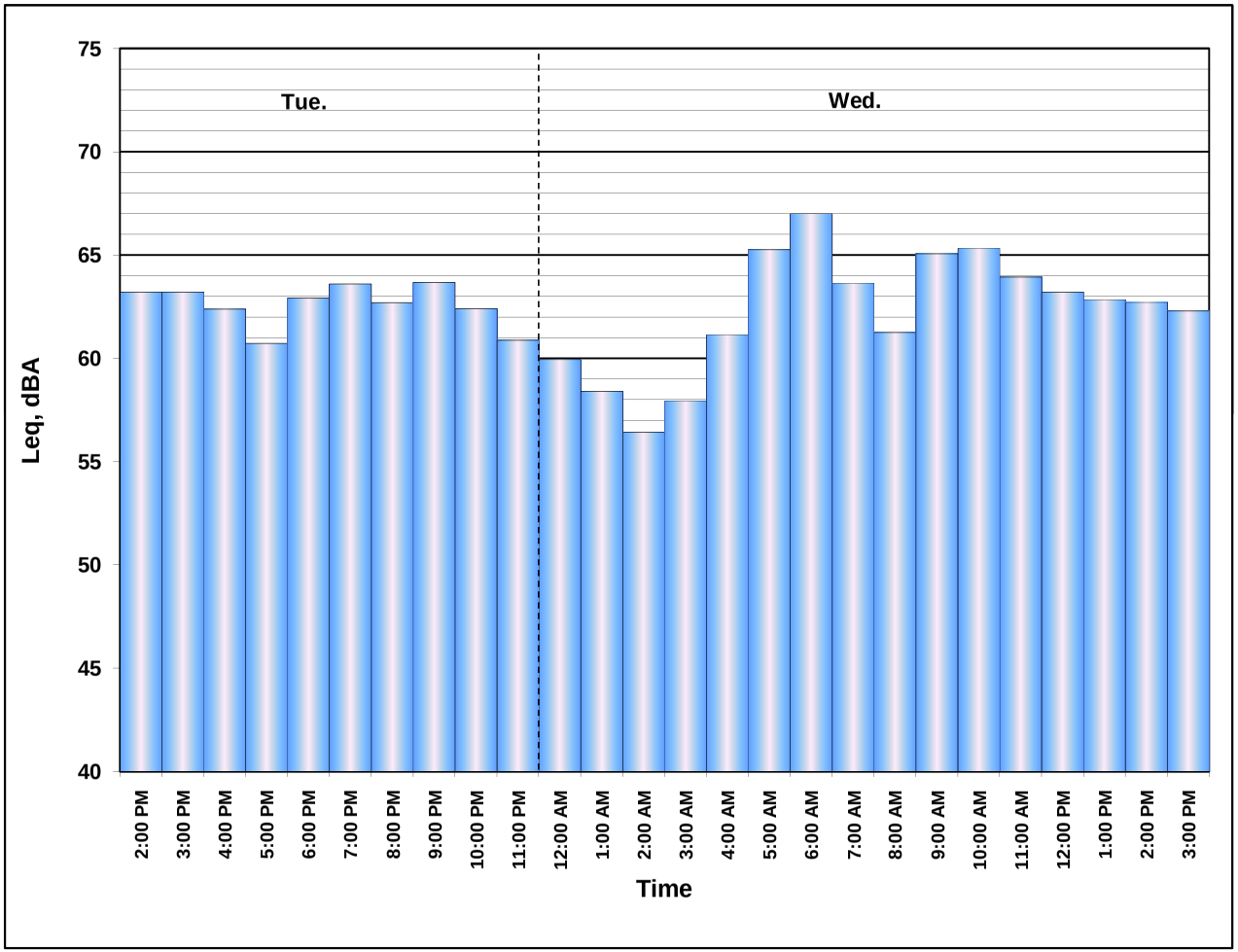


PARSONS

Site LT16 Hourly Noise Levels, $L_{eq}(h)$

Location: 15272 Vermont St., Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/15/10 - 06/16/10 **Notes:** See attached Noise Measurement Form.

TIME	6/15-6/16 $L_{eq(h)}$ dBA
02:00 - 03:00 PM	63
03:00 - 04:00 PM	62
04:00 - 05:00 PM	61
05:00 - 06:00 PM	63
06:00 - 07:00 PM	64
07:00 - 08:00 PM	63
08:00 - 09:00 PM	64
09:00 - 10:00 PM	62
10:00 - 11:00 PM	61
11:00 - 12:00 AM	60
12:00 - 01:00 AM	58
01:00 - 02:00 AM	56
02:00 - 03:00 AM	58
03:00 - 04:00 AM	61
04:00 - 05:00 AM	65
05:00 - 06:00 AM	67
06:00 - 07:00 AM	64
07:00 - 08:00 AM	61
08:00 - 09:00 AM	65
09:00 - 10:00 AM	65
10:00 - 11:00 AM	64
11:00 - 12:00 PM	63
12:00 - 01:00 PM	63
01:00 - 02:00 PM	63
02:00 - 03:00 PM	62



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: Jason Ogden / Ibrahim Abdullah	DATE: 6/21/10
MEASUREMENT ADDRESS: 6872 Sowell Avenue	CITY: Westminster	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT17

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820 ☐ LD-824 ☒ LD-812 ☐ B&K-2250 ☐ _____	☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM	☐ LD-900 ☒ LD-828 ☐ _____	SYSTEM PWR: ☒ BAT ☐ AC (observations at start of measurement) TEMP: _____ °F R.H.: _____ % WIND SPEED: _____ MPH TOWARD (DIR): _____ SKIES: _____ CAMERA iPhone PHOTO NOs. _____
SERIAL #: 0638	SERIAL #: 3159	SERIAL #: 1901	

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time
☒ LOCAL200 ☐ LD CA250 ☐ B&K 4231 S/N 2924	☐ 250 ☒ 1000 ☐ _____	Before 114, 114, 8.8, 10:11 After 114, 113.8, 8.8, 11:07

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

NOTES:

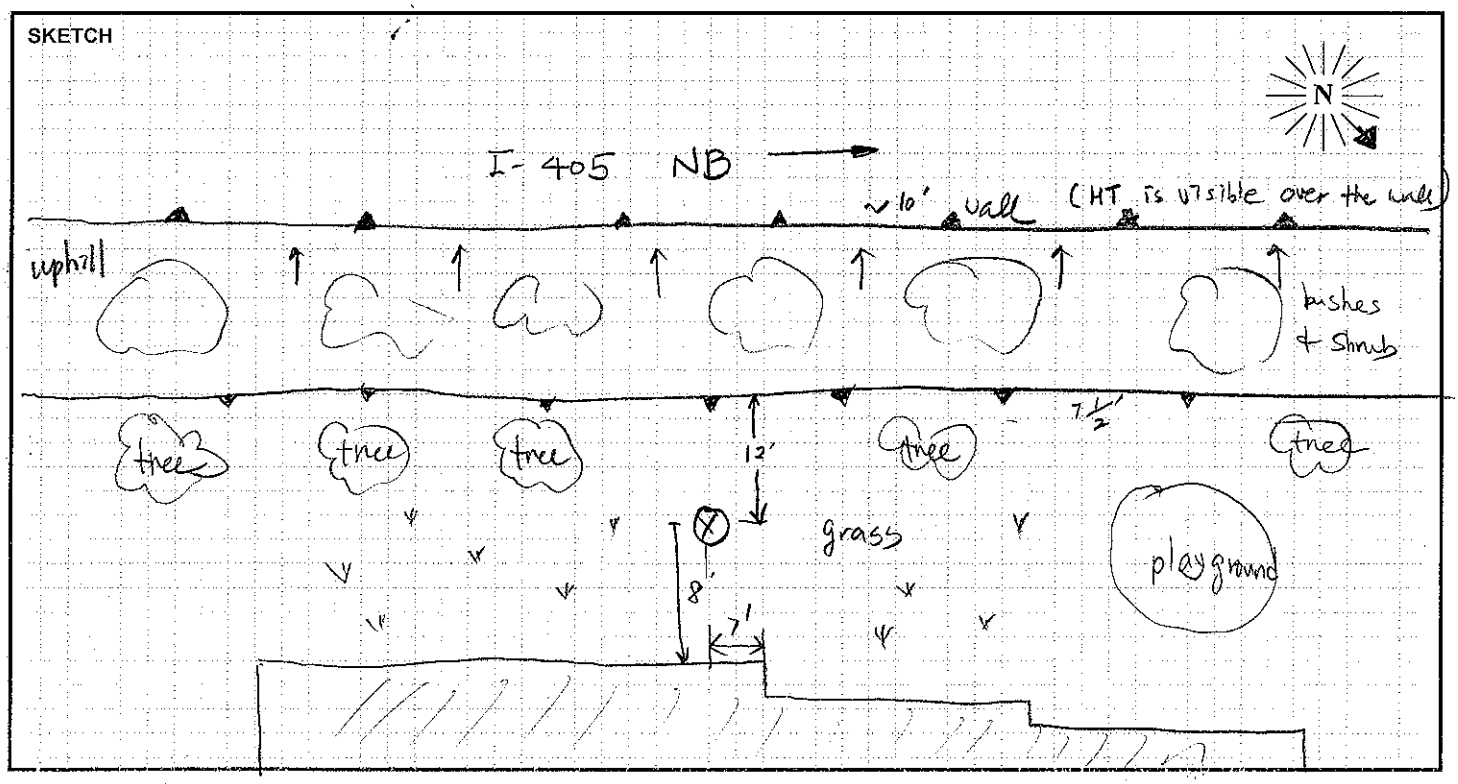
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/21/10	10:11											~62 to 63 at the time of start
6/22		11:06										

SKETCH

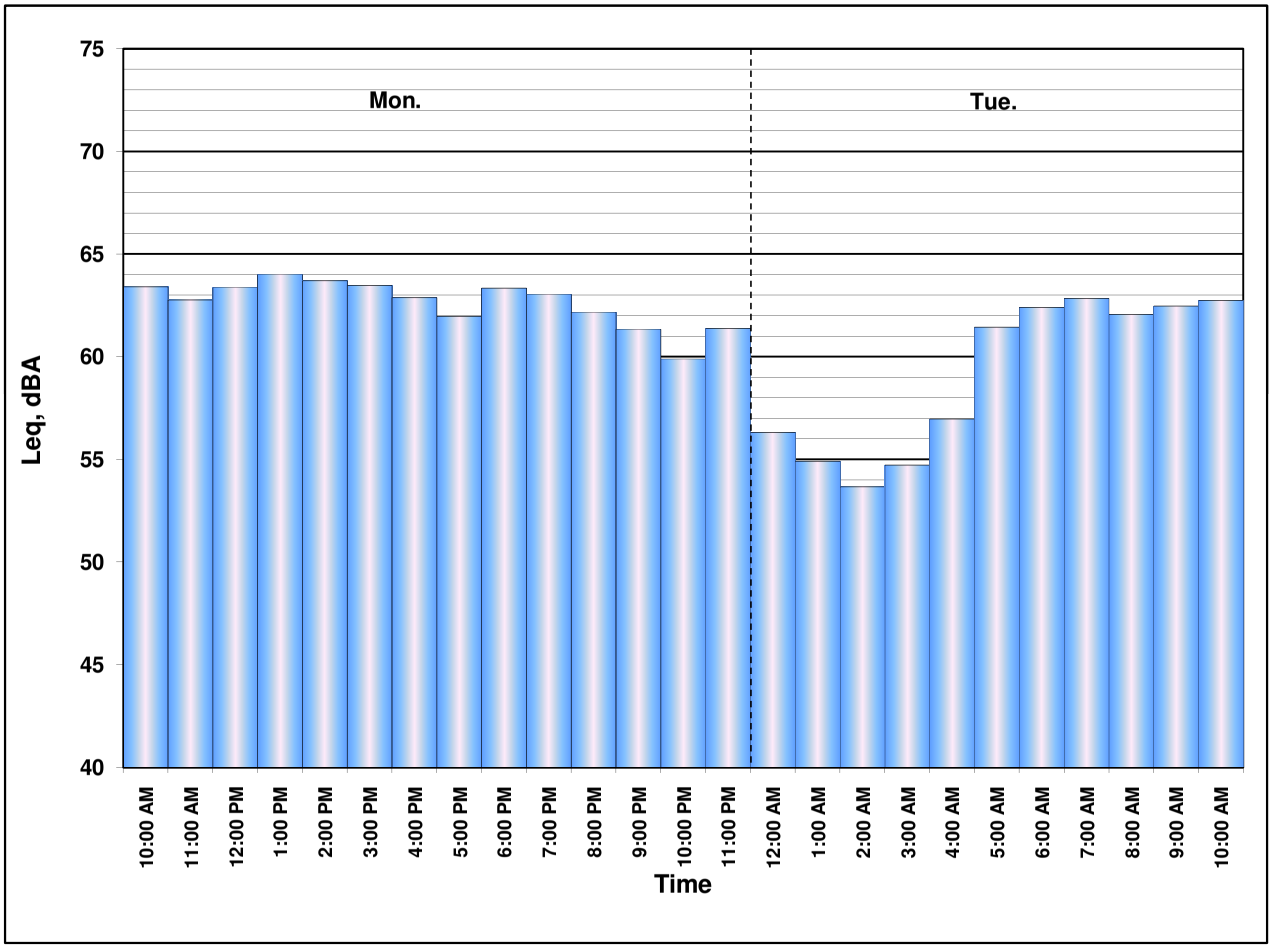


PARSONS

Site LT17 Hourly Noise Levels, $L_{eq}(h)$

Location: 6872 Sowell Ave., Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/21/10 - 06/22/10 **Notes:** See attached Noise Measurement Form.

TIME	6/21-6/22 $L_{eq(h)}$ dBA
10:00 - 11:00 AM	63
11:00 - 12:00 PM	63
12:00 - 01:00 PM	63
01:00 - 02:00 PM	64
02:00 - 03:00 PM	64
03:00 - 04:00 PM	63
04:00 - 05:00 PM	63
05:00 - 06:00 PM	62
06:00 - 07:00 PM	63
07:00 - 08:00 PM	63
08:00 - 09:00 PM	62
09:00 - 10:00 PM	61
10:00 - 11:00 PM	60
11:00 - 12:00 AM	61
12:00 - 01:00 AM	56
01:00 - 02:00 AM	55
02:00 - 03:00 AM	54
03:00 - 04:00 AM	55
04:00 - 05:00 AM	57
05:00 - 06:00 AM	61
06:00 - 07:00 AM	62
07:00 - 08:00 AM	63
08:00 - 09:00 AM	62
09:00 - 10:00 AM	62
10:00 - 12:00 AM	63



FIELD SURVEY FORM

PROJECT: **I-405 PA-ED**	ENGINEER: Ogden	DATE: 6/21
MEASUREMENT ADDRESS: 14151 WYNN St	CITY: Westminster	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial — SITE NO.: LT18

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☒ LD-820	☒ WIND SCREEN		
☐ LD-824 ☐ LD-812	☐ NON-POLAR ☒ POLARIZED	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ B&K-2250 ☐ _____	☒ 1/2-INCH ☐ FREEFIELD	☒ LD-828	(observations at start of measurement)
	☐ 1-INCH ☒ RANDOM	☐ _____	
SERIAL #: 1177	SERIAL #: 16967	SERIAL #: 1629	TEMP: _____ °F R.H.: _____ %

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time
☒ LDCAL200		
☐ LD CA250	☐ 250	Before 114, 114, 8.0, 10:56
☐ B&K 4231	☒ 1000	
S/N _____	☐ _____	After 114, 113.9, 8.0, 12:46

METER SETTINGS:					
☒ A-WTD	☐ LINEAR	☒ SLOW	☐ 1/1 OCT	☒ INTERVALS 20 - MINUTE	WIND SPEED: _____ MPH
☐ C-WTD	☐ IMPULSE	☐ FAST	☐ 1/3 OCT	☒ L_N PERCENTILE VALUES	TOWARD (DIR): _____
					SKIES: Clear
					CAMERA iPhone/Jason
					PHOTO NOs. _____

NOTES:

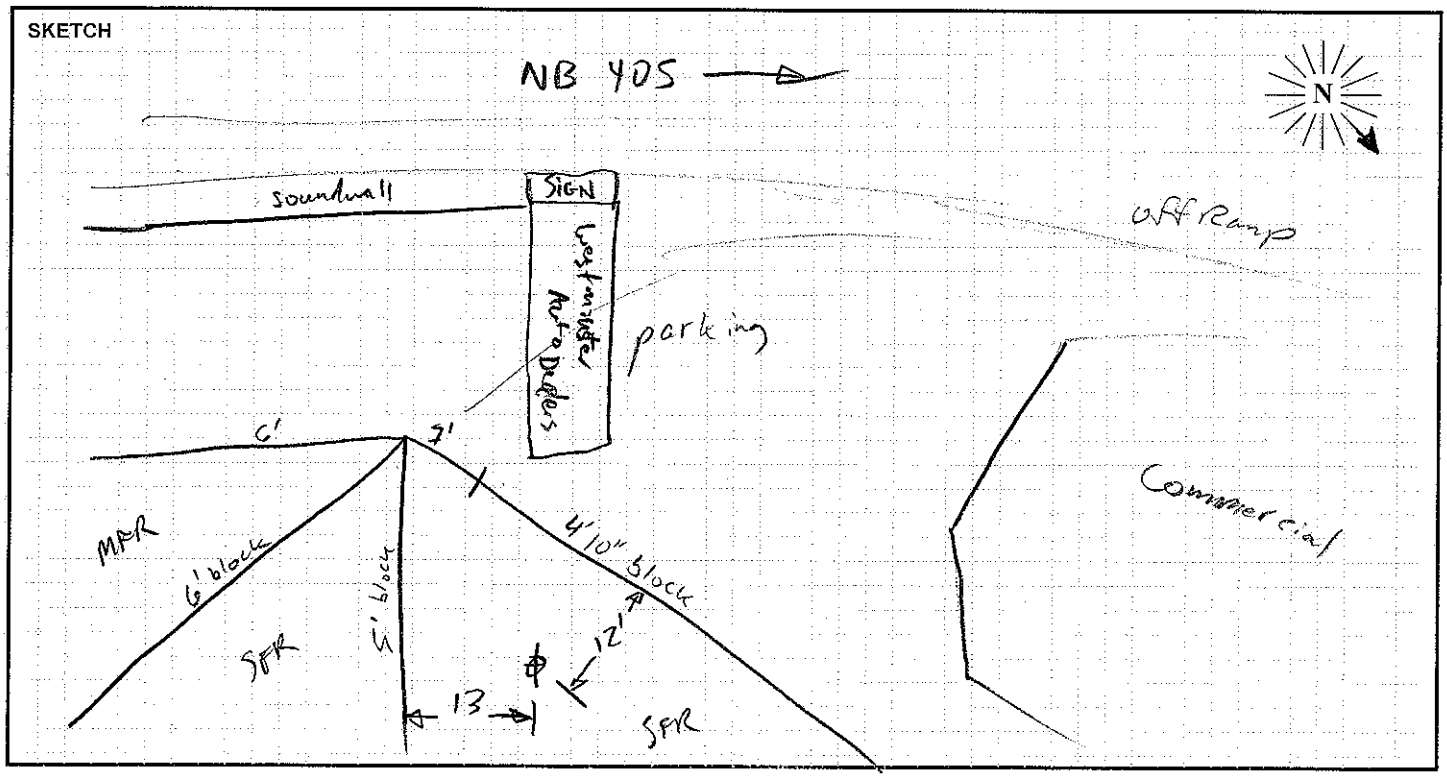
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/21	10:57											
6/22		12:46										

SKETCH

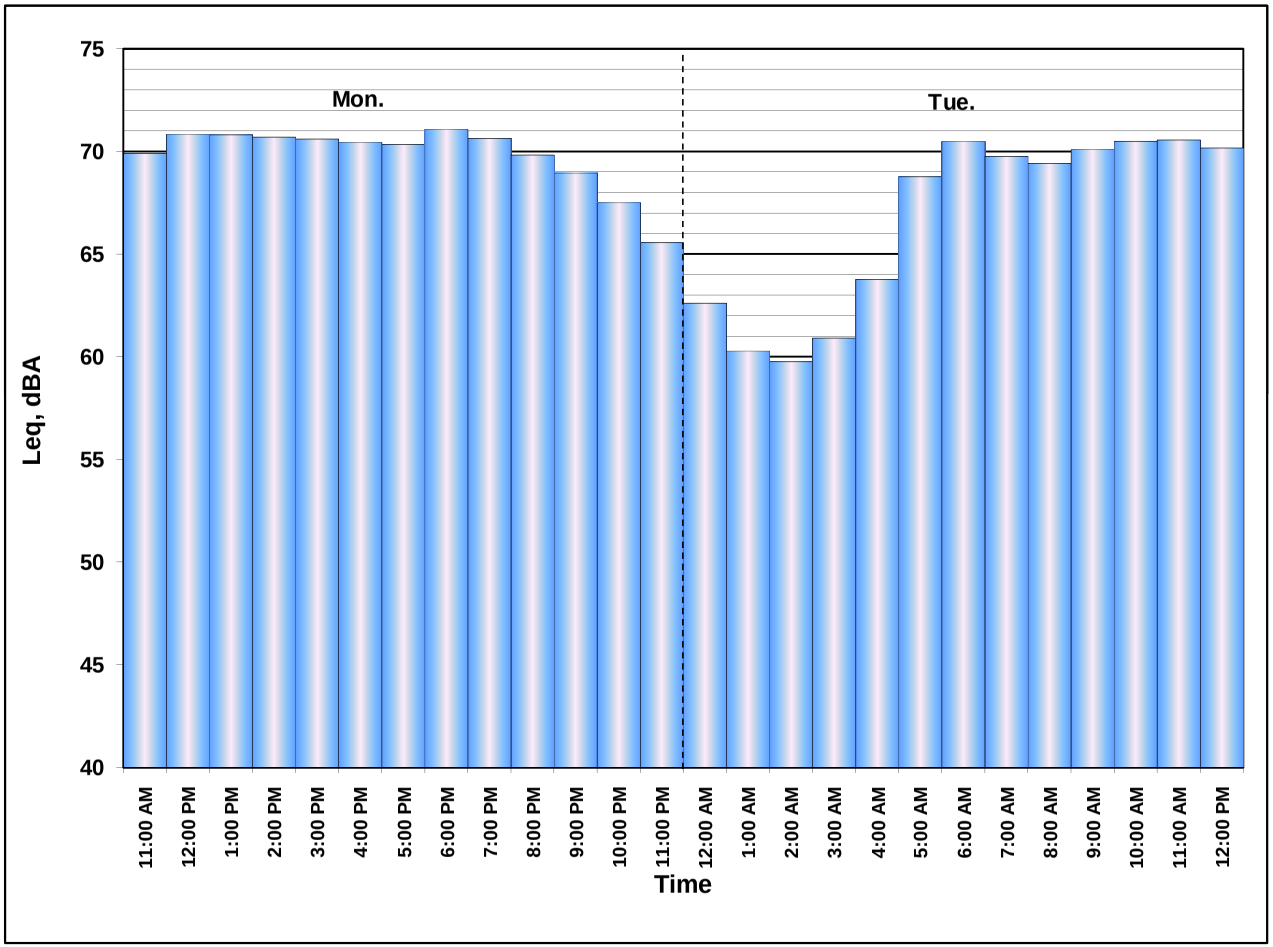


PARSONS

Site LT18 Hourly Noise Levels, $L_{eq}(h)$

Location: 14151 Wynn St., Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/21/10 - 06/22/10 **Notes:** See attached Noise Measurement Form.

TIME	6/21-6/22 $L_{eq(h)}$ dBA
11:00 - 12:00 PM	70
12:00 - 01:00 PM	71
01:00 - 02:00 PM	71
02:00 - 03:00 PM	71
03:00 - 04:00 PM	71
04:00 - 05:00 PM	70
05:00 - 06:00 PM	70
06:00 - 07:00 PM	71
07:00 - 08:00 PM	71
08:00 - 09:00 PM	70
09:00 - 10:00 PM	69
10:00 - 11:00 PM	68
11:00 - 12:00 AM	66
12:00 - 01:00 AM	63
01:00 - 02:00 AM	60
02:00 - 03:00 AM	60
03:00 - 04:00 AM	61
04:00 - 05:00 AM	64
05:00 - 06:00 AM	69
06:00 - 07:00 AM	70
07:00 - 08:00 AM	70
08:00 - 09:00 AM	69
09:00 - 10:00 AM	70
10:00 - 11:00 AM	71
11:00 - 12:00 PM	71
12:00 - 01:00 PM	70



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: OGDEN	DATE: 6/21/10
MEASUREMENT ADDRESS: 6251 Mahogany Ave	CITY: Westminster	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT19

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☒ LD-870 ☐ LD-820	☒ WIND SCREEN	☒ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☐ LD-812	☒ NON-POLAR ☐ POLARIZED	☐ LD-828	(observations at start of measurement)
☐ B&K-2250 ☐ _____	☒ 1/2-INCH ☐ FREEFIELD	☐ _____	TEMP: 78 °F R.H.: 55 %
SERIAL #: 0128	☐ 1-INCH ☒ RANDOM	SERIAL #: 3202	WIND SPEED: 0.6 MPH
	SERIAL #: 2029		TOWARD (DIR): calm

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time
☒ LD CA250	☒ 250	Before 114, 114, 22.3, 11:53
☐ B&K 4231	☐ 1000	After 114, 113.7, 22.3, 12:40
S/N 2480	☐ _____	

SKIES: some clouds

CAMERA _____

PHOTO NOS. 653 - 661

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

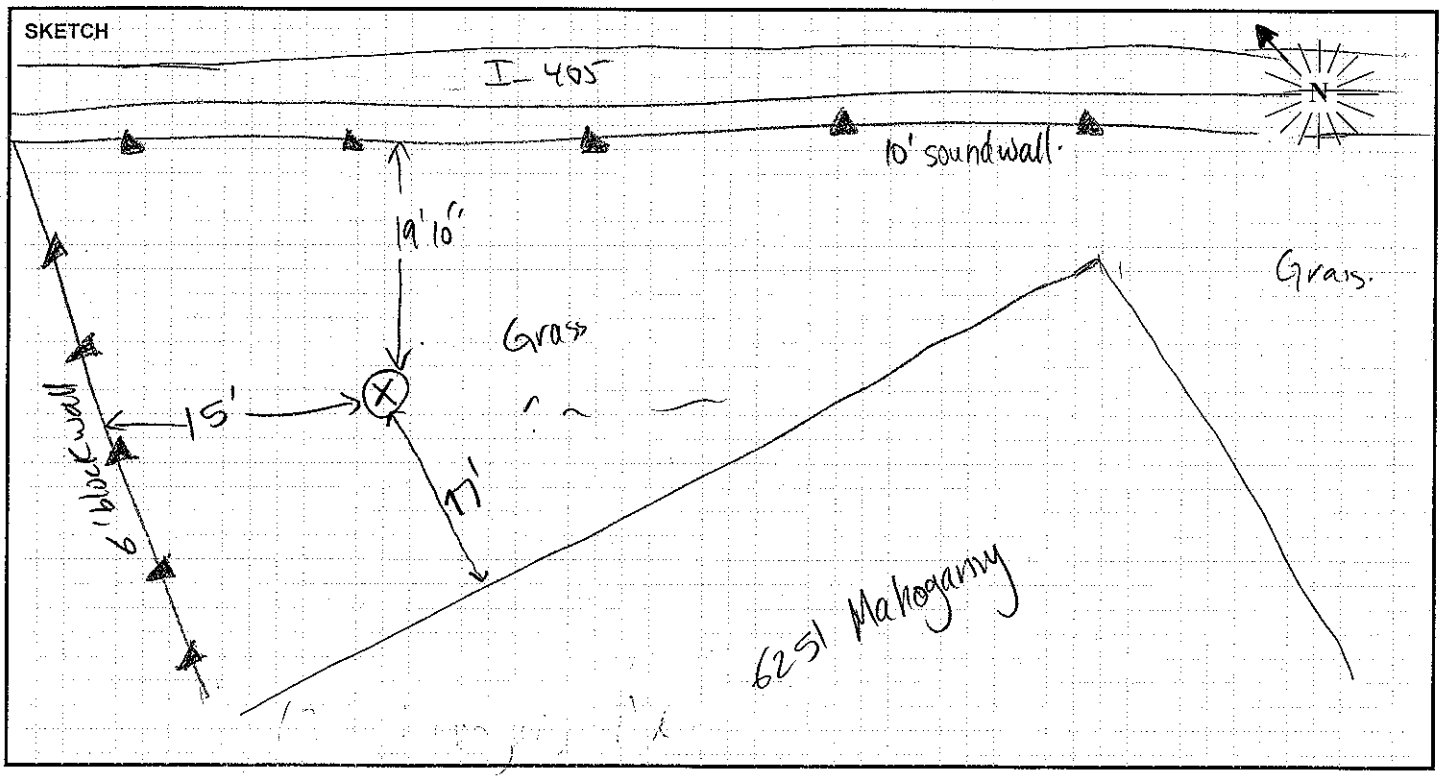
NOTES:

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/21	11:54											
6/22		12:39										

SKETCH

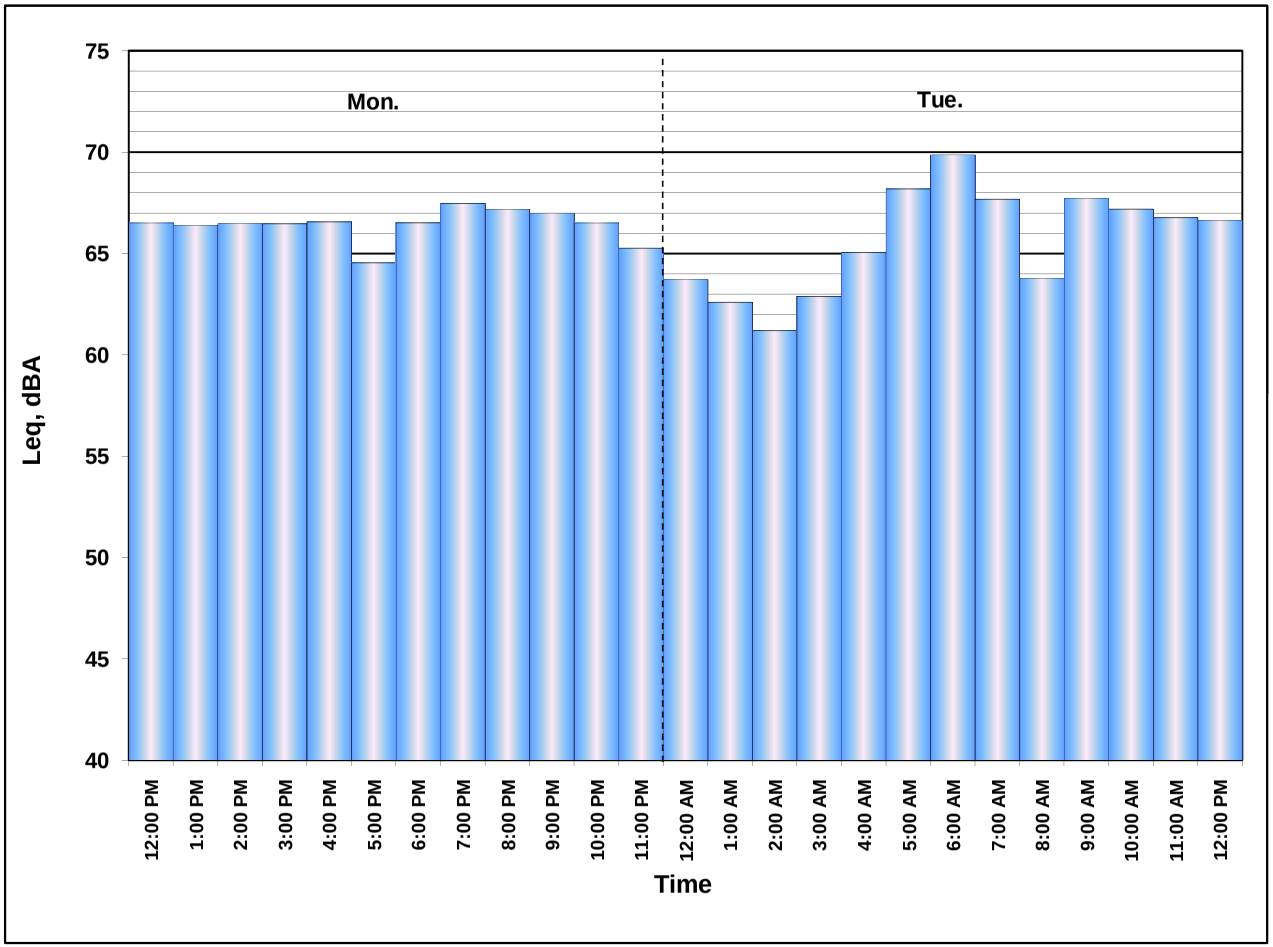


PARSONS

Site LT19 Hourly Noise Levels, $L_{eq}(h)$

Location: 6251 Mahogany Ave, Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/21/10 - 06/22/10 **Notes:** See attached Noise Measurement Form.

TIME	6/21-6/22 $L_{eq(h)}$ dBA
12:00 - 01:00 PM	67
01:00 - 02:00 PM	66
02:00 - 03:00 PM	66
03:00 - 04:00 PM	66
04:00 - 05:00 PM	67
05:00 - 06:00 PM	65
06:00 - 07:00 PM	67
07:00 - 08:00 PM	67
08:00 - 09:00 PM	67
09:00 - 10:00 PM	67
10:00 - 11:00 PM	67
11:00 - 12:00 AM	65
12:00 - 01:00 AM	64
01:00 - 02:00 AM	63
02:00 - 03:00 AM	61
03:00 - 04:00 AM	63
04:00 - 05:00 AM	65
05:00 - 06:00 AM	68
06:00 - 07:00 AM	70
07:00 - 08:00 AM	68
08:00 - 09:00 AM	64
09:00 - 10:00 AM	68
10:00 - 11:00 AM	67
11:00 - 12:00 PM	67
12:00 - 01:00 PM	67



FIELD SURVEY FORM

PROJECT: I-405_PA-ED

ENGINEER: Ibrahim A.

DATE: 06/21/2010

MEASUREMENT ADDRESS: 5741 Meinhardt Rd.

CITY: Westminster

☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial

SITE NO.: LT20

SOUND LEVEL METER: ☐ LD-870 ☐ LD-820 ☐ LD-824 ☒ LD-812 ☐ B&K-2250 ☐ _____

SERIAL #: 0639

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM

SERIAL #: 3155

PRE AMP: ☐ LD-900 ☒ LD-828 ☐ _____

SERIAL #: 1938

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 66 °F R.H.: 54 %

WIND SPEED: 2.5 MPH

TOWARD (DIR): Calm

SKIES: cloudy

CAMERA _____

PHOTO NOs. 1-6

CALIBRATOR: LDCA200 ☐ LD CA250 ☐ B&K 4231 S/N 2924

Freq, Hz.: ☐ 250 ☒ 1000 ☐ _____

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 6.7, 8:39

After 114, 114.1, 6.7, 9:09

METER SETTINGS:

☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE

☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

NOTES:

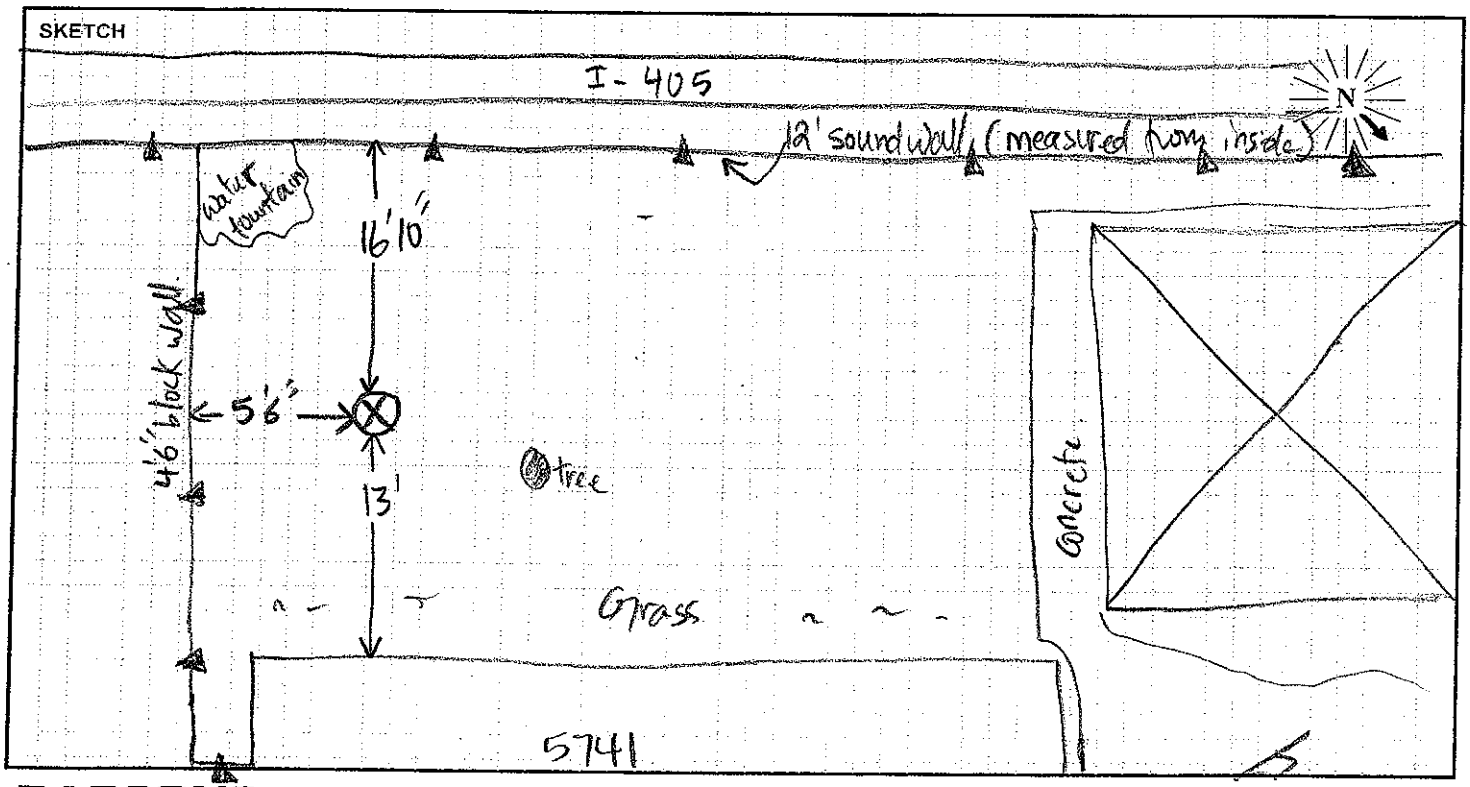
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/21	8:40											
6/22		9:08										

SKETCH

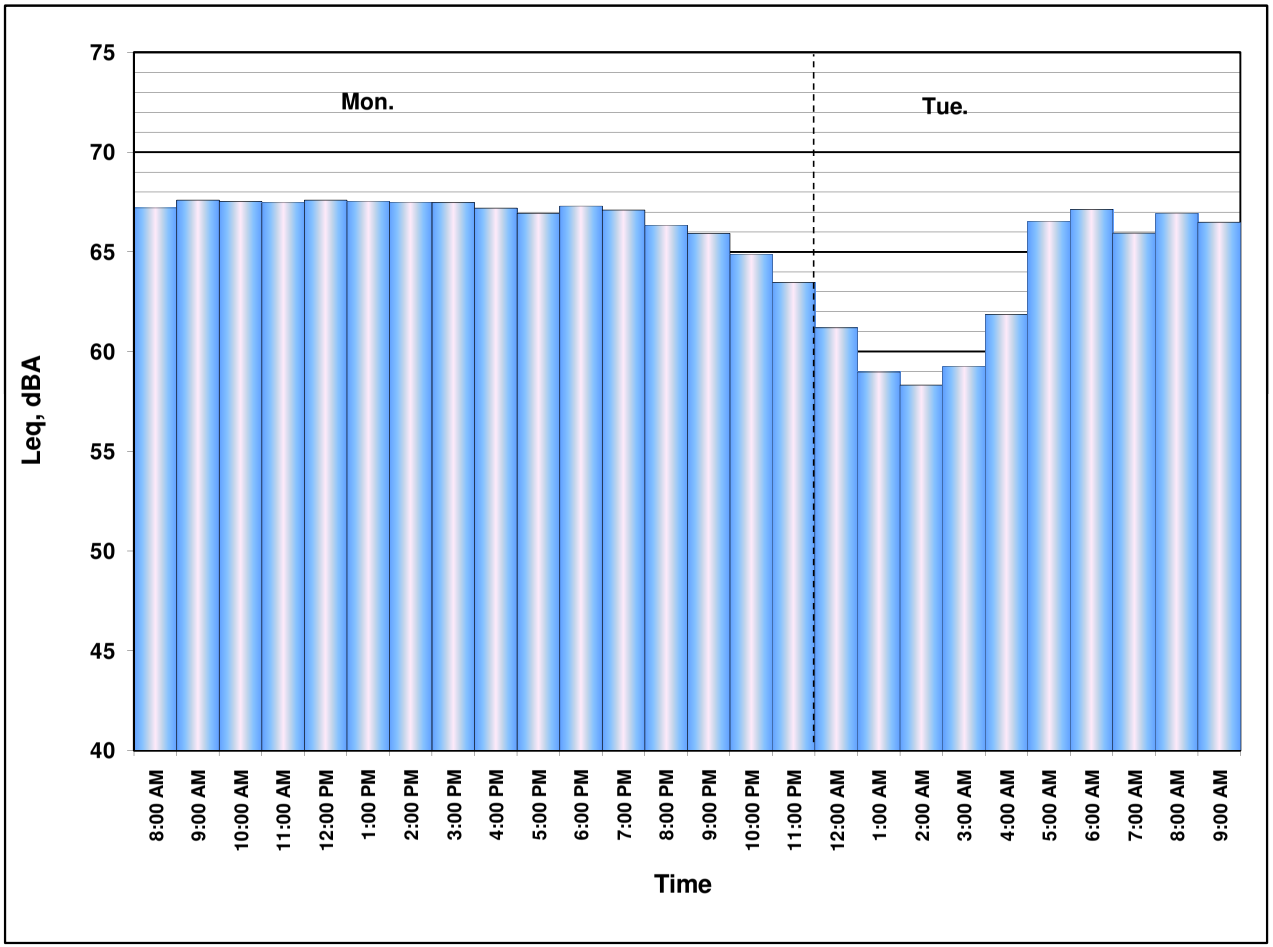


PARSONS

Site LT20 Hourly Noise Levels, $L_{eq}(h)$

Location: 5741 Meinhardt Rd., Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/21/10 - 06/22/10 **Notes:** See attached Noise Measurement Form.

TIME	6/21-6/22 $L_{eq(h)}$ dBA
08:00 - 09:00 AM	67
09:00 - 10:00 AM	68
10:00 - 11:00 AM	68
11:00 - 12:00 PM	67
12:00 - 01:00 PM	68
01:00 - 02:00 PM	68
02:00 - 03:00 PM	68
03:00 - 04:00 PM	67
04:00 - 05:00 PM	67
05:00 - 06:00 PM	67
06:00 - 07:00 PM	67
07:00 - 08:00 PM	67
08:00 - 09:00 PM	66
09:00 - 10:00 PM	66
10:00 - 11:00 PM	65
11:00 - 12:00 AM	63
12:00 - 01:00 AM	61
01:00 - 02:00 AM	59
02:00 - 03:00 AM	58
03:00 - 04:00 AM	59
04:00 - 05:00 AM	62
05:00 - 06:00 AM	67
06:00 - 07:00 AM	67
07:00 - 08:00 AM	66
08:00 - 09:00 AM	67
09:00 - 10:00 AM	67



FIELD SURVEY FORM

PROJECT: I-405_PA-ED

ENGINEER: Ibrahim A.

DATE: 06/23/10

MEASUREMENT ADDRESS: 3142 Anthony Ave.

CITY: Garden Grove

☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial

SITE NO.: LT20A

SOUND LEVEL METER: ☐ LD-870 ☐ LD-820 ☐ LD-824 ☒ LD-812 ☐ B&K-2250 ☐ _____

SERIAL #: 0638

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM

SERIAL #: 3159

PRE AMP: ☐ LD-900 ☒ LD-828 ☐ _____

SERIAL #: 1901

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 74 °F R.H.: 60 %

WIND SPEED: 1.3 MPH

TOWARD (DIR): calm.

SKIES: clear

CAMERA IA

PHOTO NOs. 207 – 214

CALIBRATOR: LDCAL200. ☐ LD CA250 ☐ B&K 4231 S/N 2924

Freq, Hz.: ☐ 250 ☒ 1000 ☒ [redacted]

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 8.8, 17:29

After 114, 114, 8.8, 16:2

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 - MINUTE ☒ L_N PERCENTILE VALUES

NOTES: Meter stopped early upon Resident's request

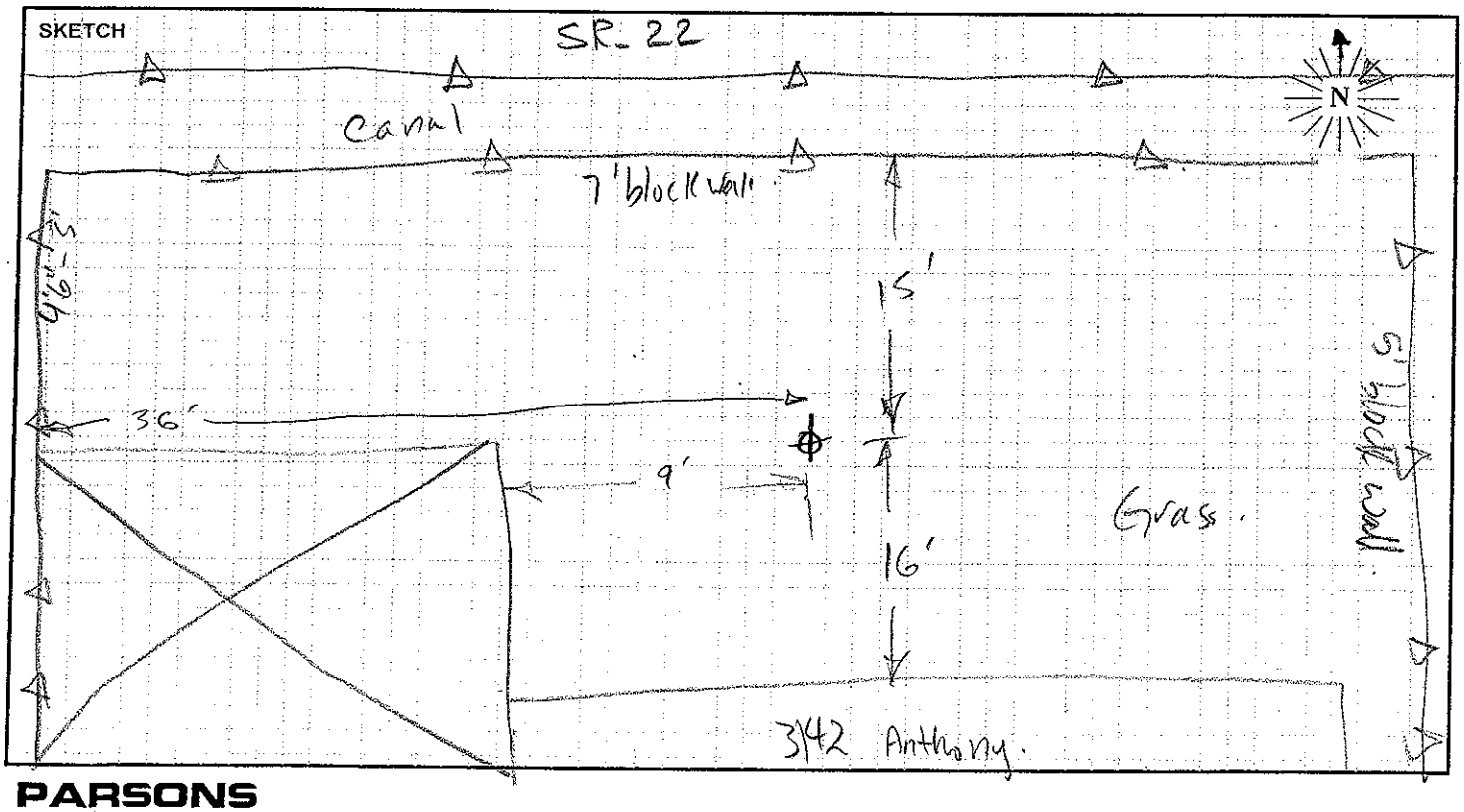
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/23	17:30	[illegible]										
6/24		16:20										

SKETCH

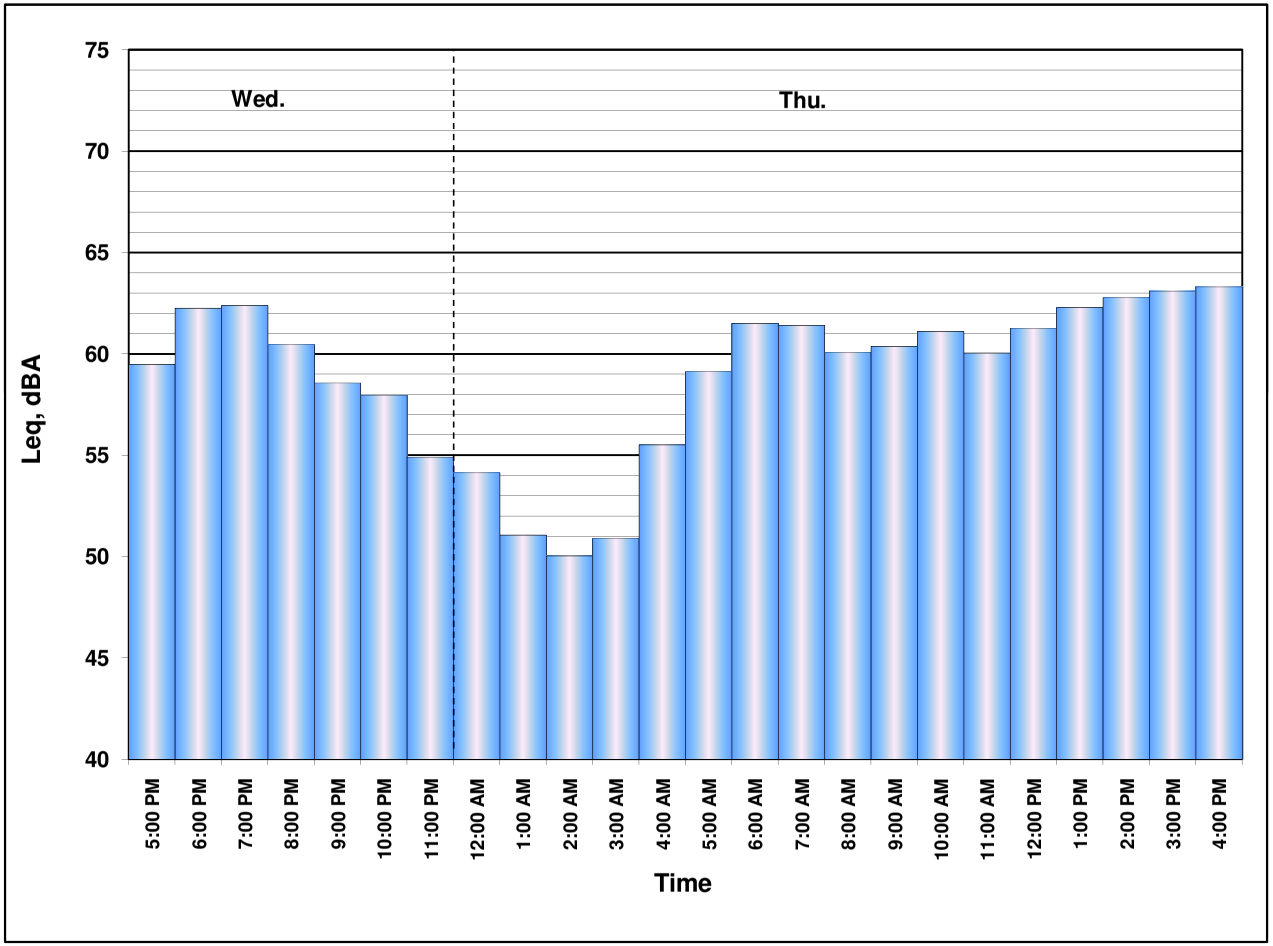


PARSONS

Site LT20A Hourly Noise Levels, $L_{eq}(h)$

Location: 3142 Anthony Ave., Garden Grove, CA
Position: Backyard
Sources: Traffic on SR- 22
Date: 06/23/10 - 06/24/10 **Notes:** See attached Noise Measurement Form.

TIME	6/23-6/24 $L_{eq(h)}$ dBA
05:00 - 06:00 PM	59
06:00 - 07:00 PM	62
07:00 - 08:00 PM	62
08:00 - 09:00 PM	60
09:00 - 10:00 PM	59
10:00 - 11:00 PM	58
11:00 - 12:00 AM	55
12:00 - 01:00 AM	54
01:00 - 02:00 AM	51
02:00 - 03:00 AM	50
03:00 - 04:00 AM	51
04:00 - 05:00 AM	56
05:00 - 06:00 AM	59
06:00 - 07:00 AM	61
07:00 - 08:00 AM	61
08:00 - 09:00 AM	60
09:00 - 10:00 AM	60
10:00 - 11:00 AM	61
11:00 - 12:00 PM	60
12:00 - 01:00 PM	61
01:00 - 02:00 PM	62
02:00 - 03:00 PM	63
03:00 - 04:00 PM	63
04:00 - 05:00 PM	63



FIELD SURVEY FORM

PROJECT: I 405

ENGINEER: Ibrahim A/Jason O.

DATE: 06/24/16

MEASUREMENT ADDRESS: 655 Via Desanso.

CITY: Garden Grove.

☐ Single-Family ☒ Multi-Family ☐ Recreational ☐ Commercial

SITE NO.: LT20B

SOUND LEVEL METER: ☐ LD-870 ☐ LD-820 ☐ LD-824 ☒ LD-812 ☐ B&K-2250 ☐ _____

SERIAL #: 0659

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM

SERIAL #: 3378

PRE AMP: ☐ LD-900 ☒ LD-828 ☐ _____

SERIAL #: 1891

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 74 °F R.H.: _____ %

WIND SPEED: _____ MPH

TOWARD (DIR): Calm.

SKIES: Some clouds

CAMERA _____

PHOTO NOs. 223-230.

CALIBRATOR: ☒ LD CA250 ☐ B&K 4231 S/N _____

Freq, Hz. ☐ 250 ☒ 1000 ☐ _____

CALIBRATION RECORD:

Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 6.9, 9:52

After 114, 113.7, 6.9, 12:34

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 - MINUTE ☐ L_N PERCENTILE VALUES

NOTES:

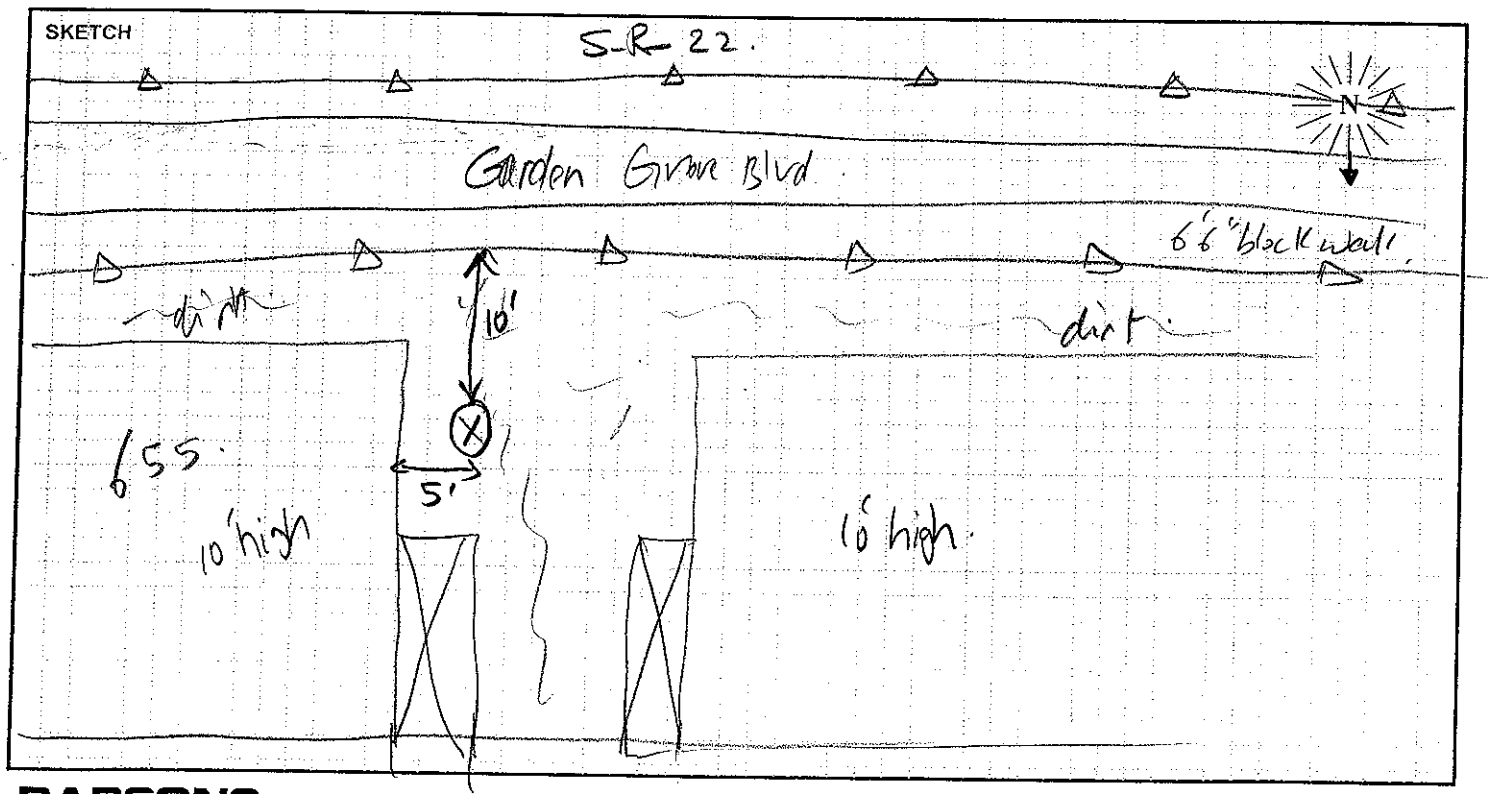
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/24	9:53											
6/25		12:32										

SKETCH

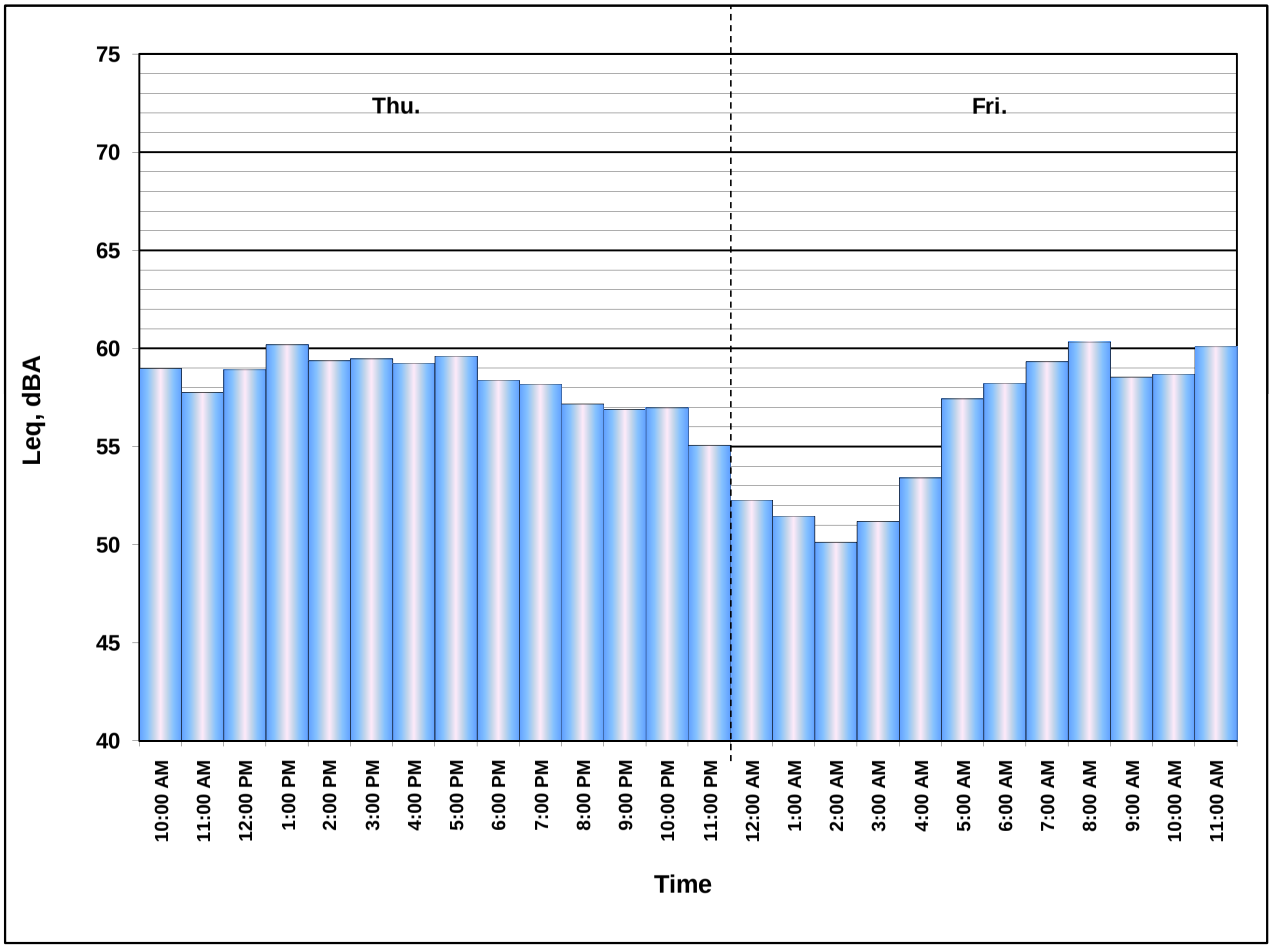


PARSONS

Site LT20B Hourly Noise Levels, $L_{eq}(h)$

Location: 655 Via Descanso, Garden Grove, CA
Position: Patio
Sources: Traffic on SR- 22
Date: 06/24/10 - 06/25/10 **Notes:** See attached Noise Measurement Form.

TIME	6/24-6/25 $L_{eq(h)}$ dBA
10:00 - 11:00 AM	59
11:00 - 12:00 PM	58
12:00 - 01:00 PM	59
01:00 - 02:00 PM	60
02:00 - 03:00 PM	59
03:00 - 04:00 PM	59
04:00 - 05:00 PM	59
05:00 - 06:00 PM	60
06:00 - 07:00 PM	58
07:00 - 08:00 PM	58
08:00 - 09:00 PM	57
09:00 - 10:00 PM	57
10:00 - 11:00 PM	57
11:00 - 12:00 AM	55
12:00 - 01:00 AM	52
01:00 - 02:00 AM	51
02:00 - 03:00 AM	50
03:00 - 04:00 AM	51
04:00 - 05:00 AM	53
05:00 - 06:00 AM	57
06:00 - 07:00 AM	58
07:00 - 08:00 AM	59
08:00 - 09:00 AM	60
09:00 - 10:00 AM	59
10:00 - 11:00 AM	59
11:00 - 12:00 PM	60



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: Ogden	DATE: 6/21/10
MEASUREMENT ADDRESS: 5721 Vallecito Dr.	CITY: Westminster	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT21

SOUND LEVEL METER:	MICROPHONE: ☒ WIND SCREEN	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☒ NON-POLAR ☐ POLARIZED	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☒ LD-812	☒ 1/2-INCH ☐ FREEFIELD	☒ LD-828	(observations at start of measurement)
☐ B&K-2250 ☐ _____	☐ 1-INCH ☒ RANDOM	☐ _____	
SERIAL #: 0659	SERIAL #: 3378	SERIAL #: 1891	TEMP: _____ °F R.H.: _____ %

CALIBRATOR:		CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
LDCA200	Freq, Hz.		WIND SPEED: _____ MPH
☐ LD CA250	☐ 250	Before 114, 114, 6.9, 09:24	TOWARD (DIR): _____
☐ B&K 4231	☒ 1000	After 114, 113.8, 6.9, 10:35	SKIES: Marine Layer
S/N 2924	☐ _____		CAMERA _____
METER SETTINGS: ☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE			PHOTO NOs. _____
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES			

NOTES:

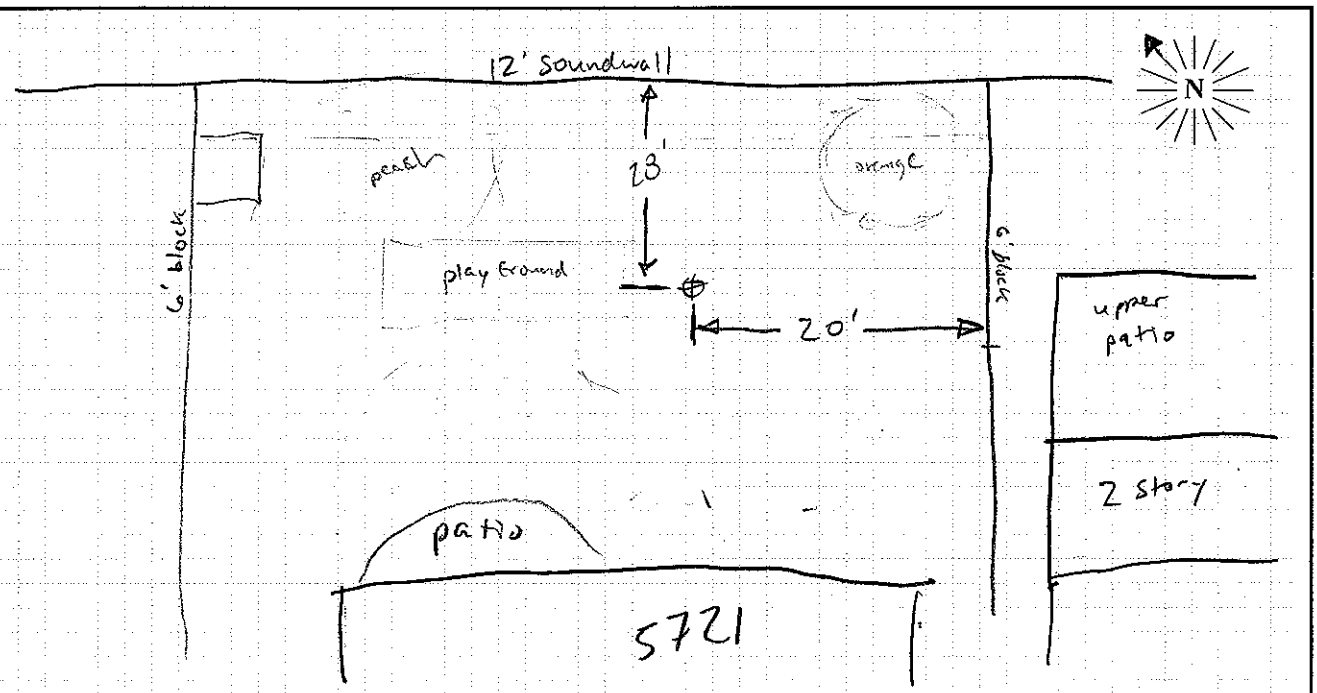
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/21	09:26											
6/22		10:34										

SKETCH

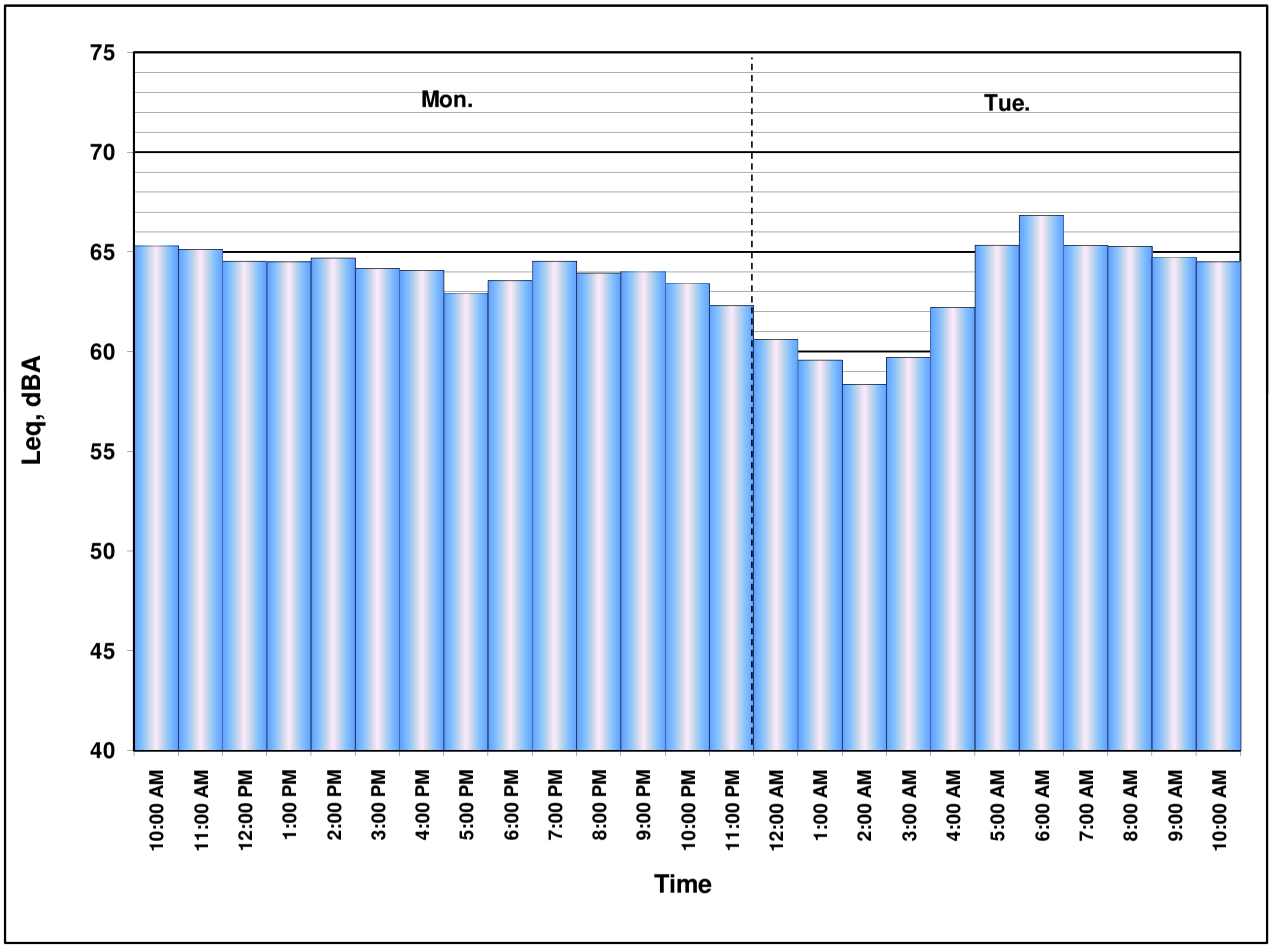


PARSONS

Site LT21 Hourly Noise Levels, $L_{eq}(h)$

Location: 5721 Vallecito Ave., Westminster, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/21/10 - 06/22/10 **Notes:** See attached Noise Measurement Form.

TIME	6/21-6/22 $L_{eq(h)}$ dBA
09:00 - 10:00 AM	66
10:00 - 11:00 AM	65
11:00 - 12:00 PM	65
12:00 - 01:00 PM	65
01:00 - 02:00 PM	65
02:00 - 03:00 PM	65
03:00 - 04:00 PM	64
04:00 - 05:00 PM	64
05:00 - 06:00 PM	63
06:00 - 07:00 PM	64
07:00 - 08:00 PM	65
08:00 - 09:00 PM	64
09:00 - 10:00 PM	64
10:00 - 11:00 PM	63
11:00 - 12:00 AM	62
12:00 - 01:00 AM	61
01:00 - 02:00 AM	60
02:00 - 03:00 AM	58
03:00 - 04:00 AM	60
04:00 - 05:00 AM	62
05:00 - 06:00 AM	65
06:00 - 07:00 AM	67
07:00 - 08:00 AM	65
08:00 - 09:00 AM	65
09:00 - 10:00 AM	65
10:00 - 11:00 AM	65



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: Ogden	DATE: 6/22/10
MEASUREMENT ADDRESS: 3520 Camelia St	CITY: Seal Beach	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT 22

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☒ WIND SCREEN	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☒ LD-812	☒ NON-POLAR ☐ POLARIZED	☒ LD-828	(observations at start of measurement)
☐ B&K-2250 ☐ _____	☒ 1/2-INCH ☒ FREEFIELD	☐ _____	
	☐ 1-INCH ☐ RANDOM		
SERIAL #: 0639	SERIAL #: 3155	SERIAL #: 1938	TEMP: _____ °F R.H.: _____ %

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☒ LDCAL200			WIND SPEED: _____ MPH
☐ LD CA250	☐ 250	Before 114, 114.1, 6.7, 09:09	TOWARD (DIR): North
☐ B&K 4231	☒ 1000		SKIES: Clear
S/N _____	☐ _____	After 114, 114, 6.7, 15:22	CAMERA Jason

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES

PHOTO NOs. _____

NOTES:

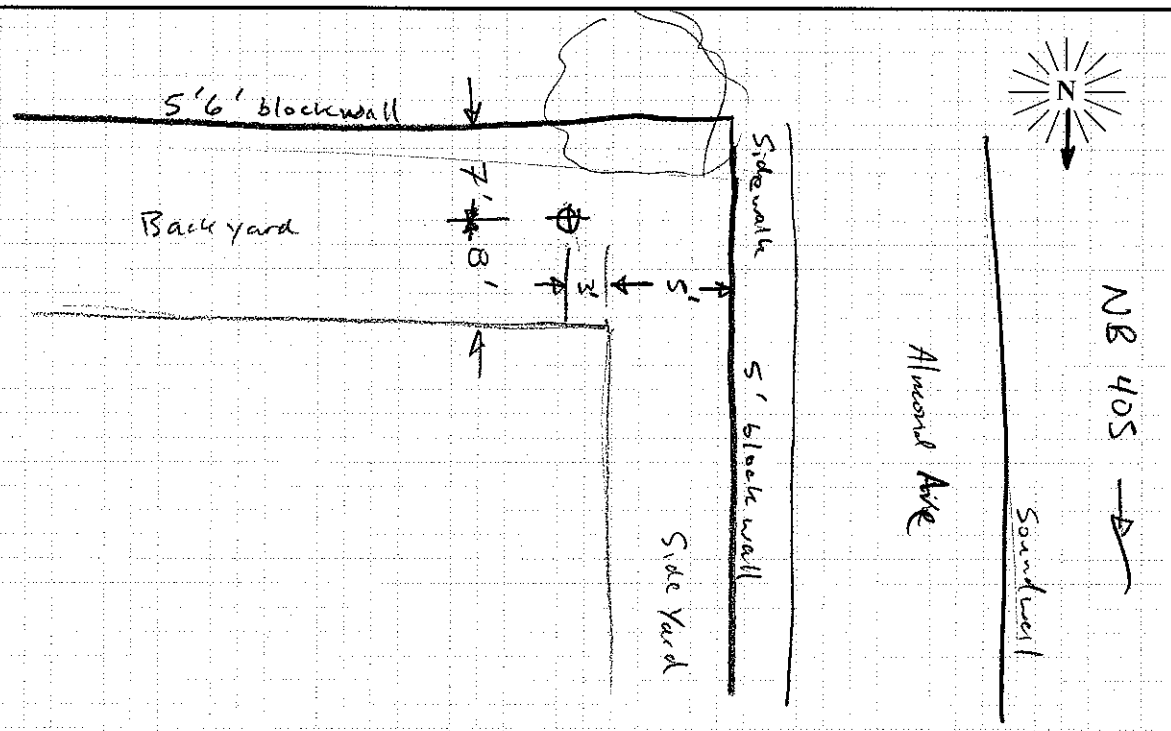
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/22	18:27											
6/24		15:21										

SKETCH

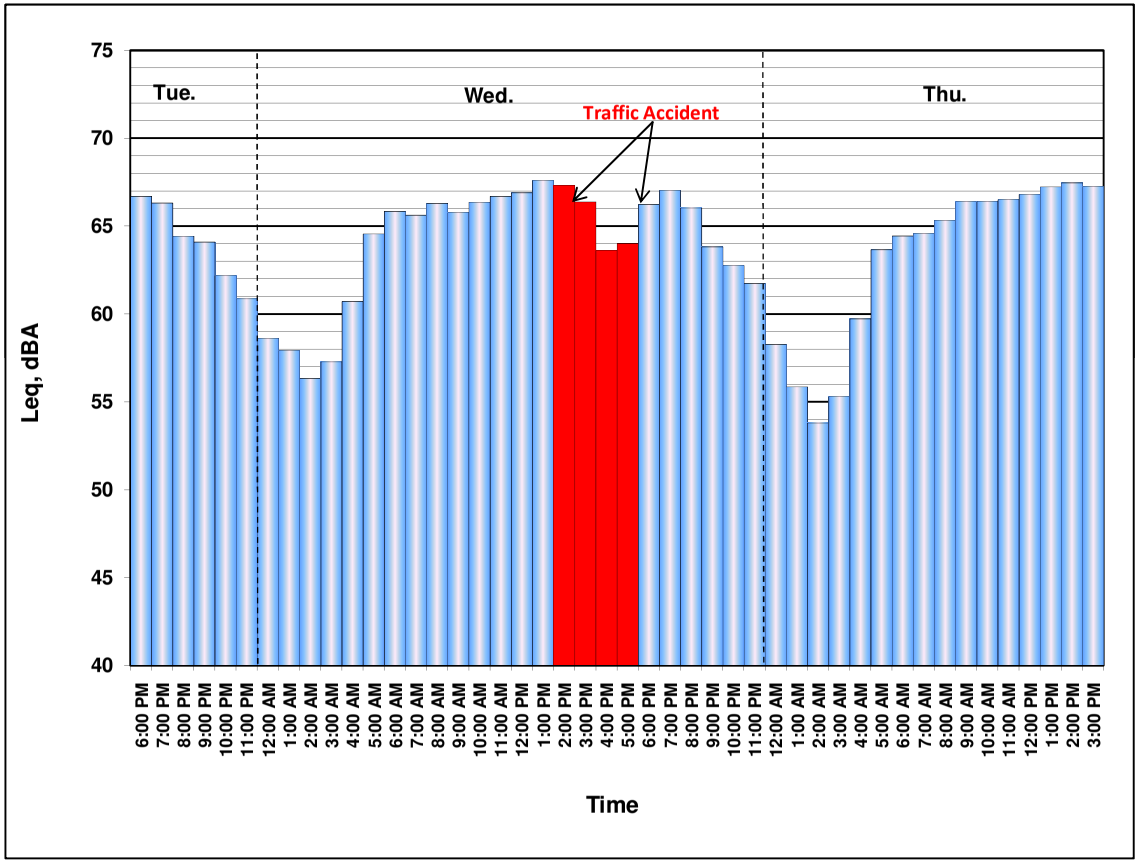


PARSONS

Site LT22 Hourly Noise Levels, $L_{eq}(h)$

Location: 3520 Camelia St., Seal Beach, CA
Position: Backyard
Sources: Traffic on I- 405
Date: 06/22/10 - 06/24/10 **Notes:** See attached Noise Measurement Form.

TIME	6/22-6/23 $L_{eq(h)}$ dBA	6/23-6/24 $L_{eq(h)}$ dBA
06:00 - 07:00 PM	67	66
07:00 - 08:00 PM	66	67
08:00 - 09:00 PM	64	66
09:00 - 10:00 PM	64	64
10:00 - 11:00 PM	62	63
11:00 - 12:00 AM	61	62
12:00 - 01:00 AM	59	58
01:00 - 02:00 AM	58	56
02:00 - 03:00 AM	56	54
03:00 - 04:00 AM	57	55
04:00 - 05:00 AM	61	60
05:00 - 06:00 AM	65	64
06:00 - 07:00 AM	66	64
07:00 - 08:00 AM	66	65
08:00 - 09:00 AM	66	65
09:00 - 10:00 AM	66	66
10:00 - 11:00 AM	66	66
11:00 - 12:00 PM	67	67
12:00 - 01:00 PM	67	67
01:00 - 02:00 PM	68	67
02:00 - 03:00 PM	67	67
03:00 - 04:00 PM	66	67
04:00 - 05:00 PM	64	
05:00 - 06:00 PM	64	



FIELD SURVEY FORM

PROJECT: I-405_PA-ED

ENGINEER: Ibrahim Jason

DATE: 06/22/10

MEASUREMENT ADDRESS: 3002 Yellowtail

CITY: Rossmoor

☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial

SITE NO.: LT23

SOUND LEVEL METER: ☐ LD-870 ☐ LD-820 ☐ LD-824 ☒ LD-812 ☐ B&K-2250 ☐ _____

SERIAL #: 0659

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM

SERIAL #: 3378

PRE AMP: ☐ LD-900 ☒ LD-828 ☐ _____

SERIAL #: 1891

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 79 °F R.H.: 57 %

WIND SPEED: 1.5 MPH

TOWARD (DIR): Calm

SKIES: Clear

CAMERA _____

PHOTO NOs. 148-157

CALIBRATOR: ☒ LD CA250 ☐ B&K 4231 S/N _____

Freq, Hz.: ☐ 250 ☒ 1000 ☐ _____

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 6.9, 15:41

After 114, 113.8, 6.9, 16:30

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 - MINUTE ☐ L_N PERCENTILE VALUES

NOTES:

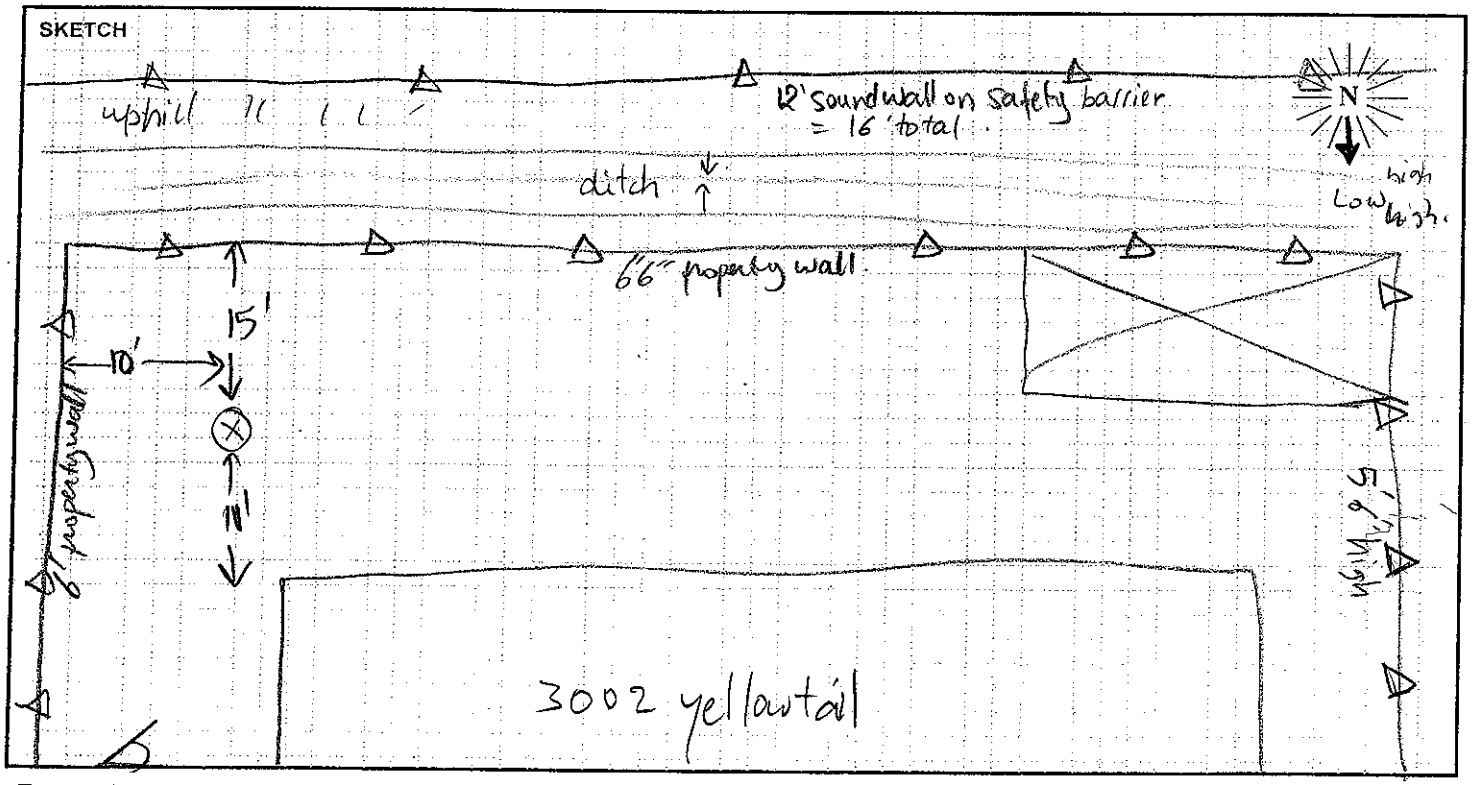
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/22	15:42											
6/23		16:29										

SKETCH

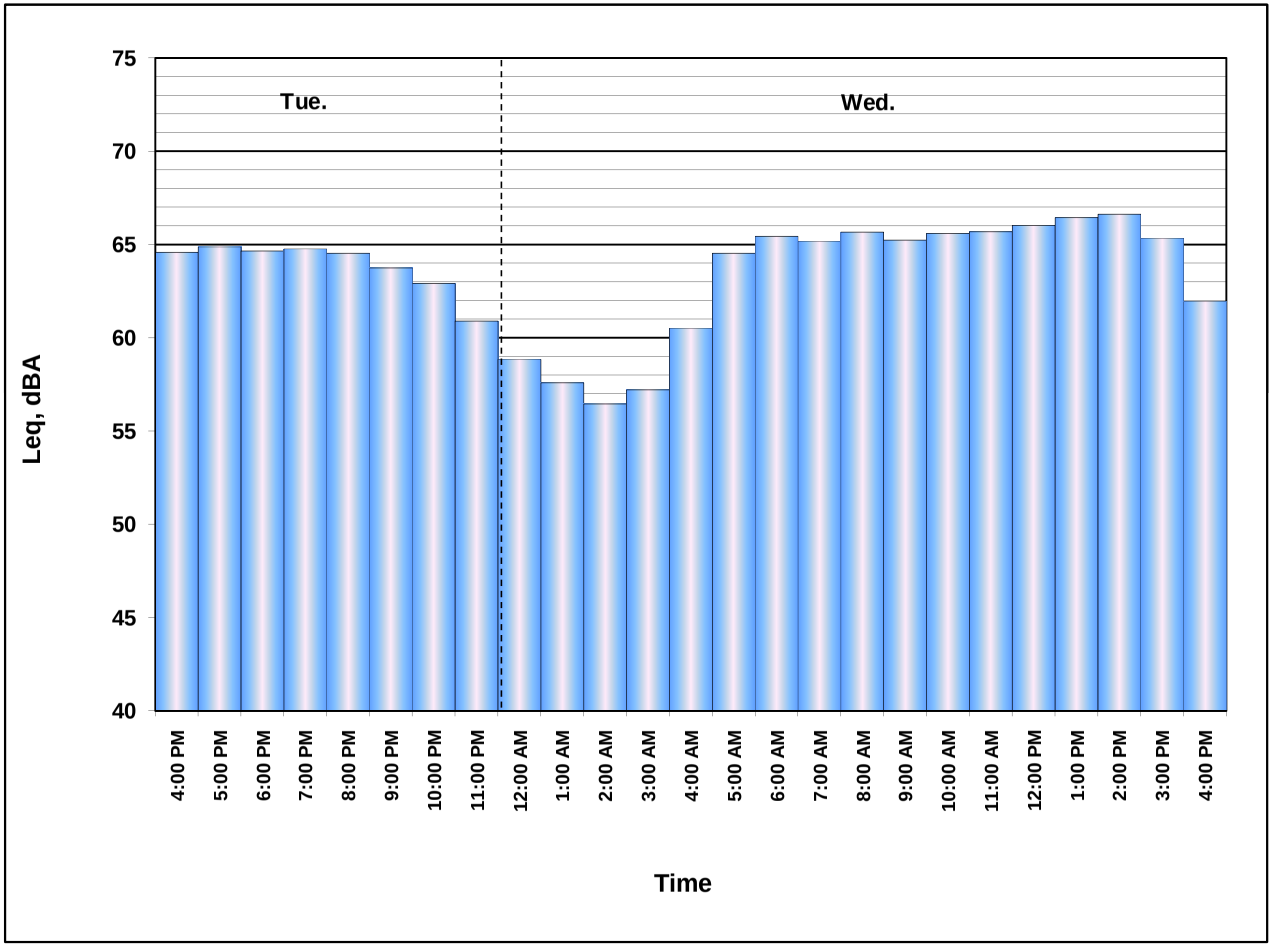


PARSONS

Site LT23 Hourly Noise Levels, $L_{eq}(h)$

Location: 3002 Yellowtail Dr., Rossmoor, CA
Position: Backyard
Sources: Traffic on I- 405 and SR- 22
Date: 06/22/10 - 06/23/10 **Notes:** See attached Noise Measurement Form.

TIME	6/22-6/23 $L_{eq(h)}$ dBA
04:00 - 05:00 PM	65
05:00 - 06:00 PM	65
06:00 - 07:00 PM	65
07:00 - 08:00 PM	65
08:00 - 09:00 PM	65
09:00 - 10:00 PM	64
10:00 - 11:00 PM	63
11:00 - 12:00 AM	61
12:00 - 01:00 AM	59
01:00 - 02:00 AM	58
02:00 - 03:00 AM	56
03:00 - 04:00 AM	57
04:00 - 05:00 AM	61
05:00 - 06:00 AM	65
06:00 - 07:00 AM	65
07:00 - 08:00 AM	65
08:00 - 09:00 AM	66
09:00 - 10:00 AM	65
10:00 - 11:00 AM	66
11:00 - 12:00 PM	66
12:00 - 01:00 PM	66
01:00 - 02:00 PM	66
02:00 - 03:00 PM	67
03:00 - 04:00 PM	65
04:00 - 05:00 PM	62



FIELD SURVEY FORM

PROJECT: **I-405 PA-ED**	ENGINEER: OGDEN	DATE: 6/23/10
MEASUREMENT ADDRESS: Leisure World	CITY: Seal Beach	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial — SITE NO.: LT24

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☒ LD-820	☒ WIND SCREEN		
☐ LD-824 ☐ LD-812	☐ NON-POLAR ☒ POLARIZED	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ B&K-2250 ☐ _____	☒ 1/2-INCH ☐ FREEFIELD	☒ LD-828	(observations at start of measurement)
	☐ 1-INCH ☒ RANDOM	☐ _____	
SERIAL #: 1177	SERIAL #: 16967	SERIAL #: 1629	TEMP: _____ °F R.H.: _____ %

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☒ LD CAL 200			WIND SPEED: _____ MPH
☐ LD CA250	☐ 250	Before 114, 114.1, 8.0, 11:39	TOWARD (DIR): _____
☐ B&K 4231	☒ 1000	After 114, 113.9, 8.0, 11:54	SKIES: Clear
S/N _____	☐ _____		CAMERA Nison

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES

PHOTO NOs. _____

NOTES:

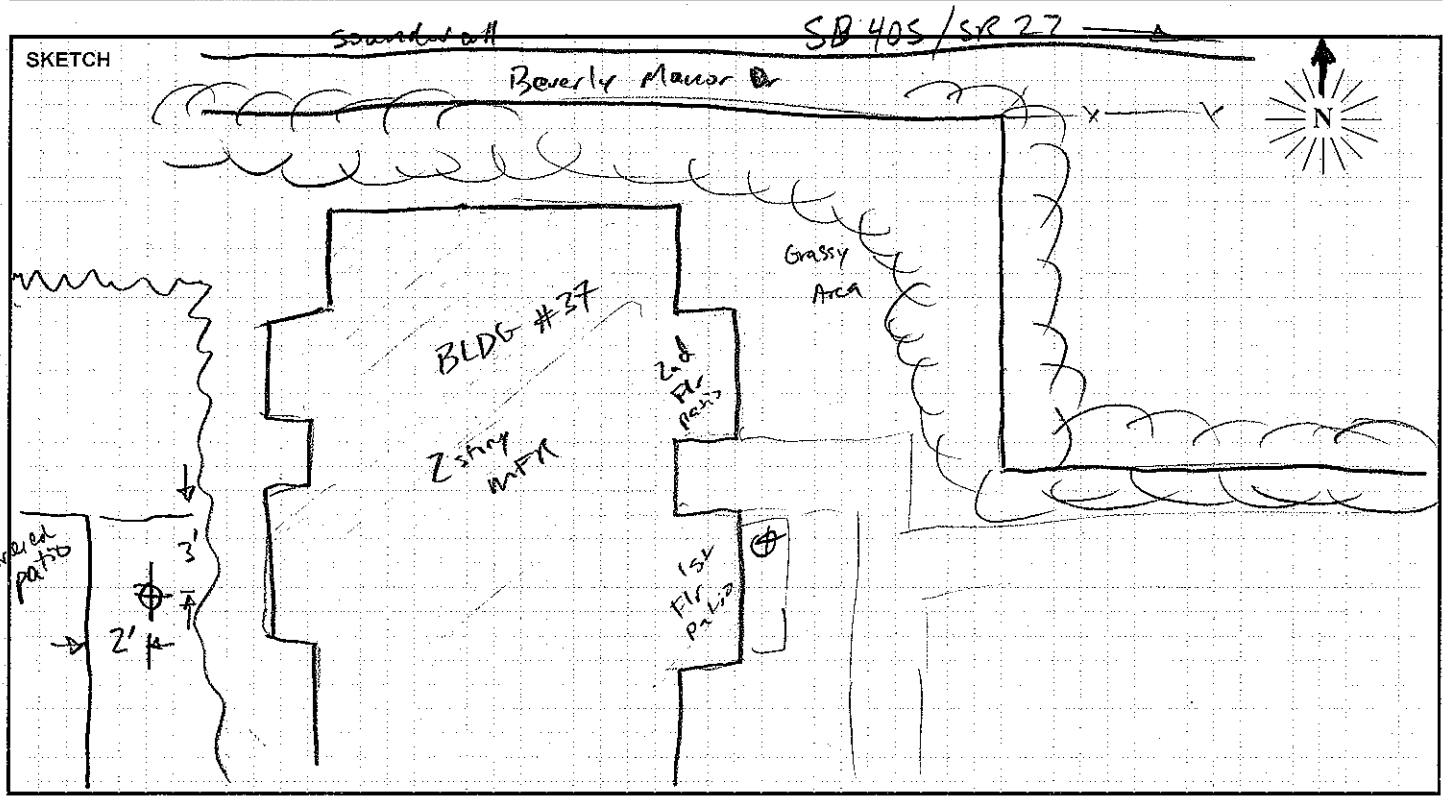
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/23	11:40											
6/24		11:53										

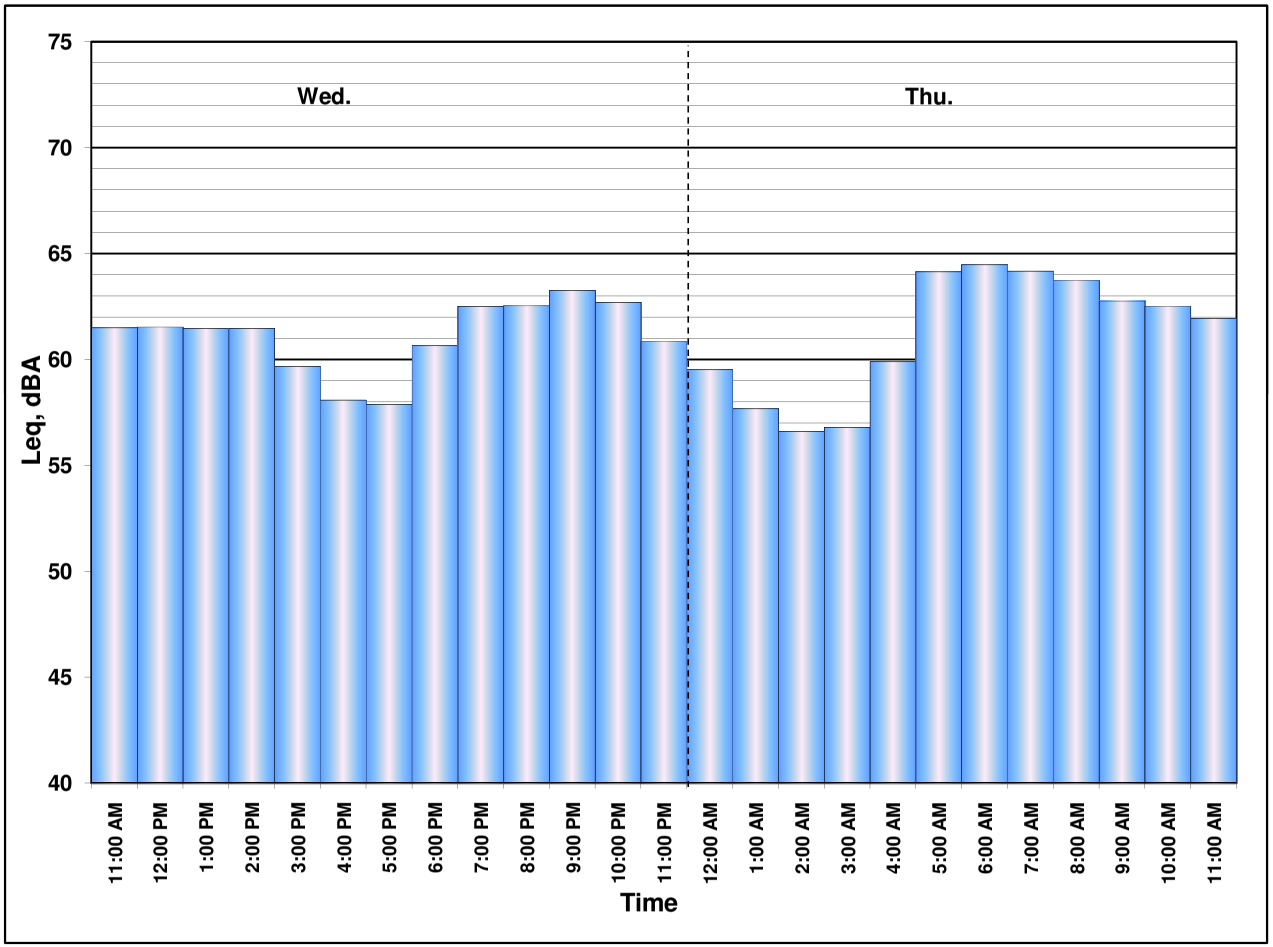
SKETCH



Site LT24 Hourly Noise Levels, $L_{eq}(h)$

Location: Leisure World, Seal Beach, CA
Position: Patio
Sources: Traffic on I- 405 and SR- 22
Date: 06/23/10 - 06/24/10 **Notes:** See attached Noise Measurement Form.

TIME	6/23-6/24 $L_{eq(h)}$ dBA
11:00 - 12:00 PM	62
12:00 - 01:00 PM	62
01:00 - 02:00 PM	61
02:00 - 03:00 PM	61
03:00 - 04:00 PM	60
04:00 - 05:00 PM	58
05:00 - 06:00 PM	58
06:00 - 07:00 PM	61
07:00 - 08:00 PM	63
08:00 - 09:00 PM	63
09:00 - 10:00 PM	63
10:00 - 11:00 PM	63
11:00 - 12:00 AM	61
12:00 - 01:00 AM	60
01:00 - 02:00 AM	58
02:00 - 03:00 AM	57
03:00 - 04:00 AM	57
04:00 - 05:00 AM	60
05:00 - 06:00 AM	64
06:00 - 07:00 AM	64
07:00 - 08:00 AM	64
08:00 - 09:00 AM	64
09:00 - 10:00 AM	63
10:00 - 11:00 AM	63
11:00 - 12:00 PM	62



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER:	DATE: 6/22/10
MEASUREMENT ADDRESS: 12621 Martha Ann Dr	CITY: Rossmoor	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: LT25

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☒ WIND SCREEN	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☒ LD-812	☒ NON-POLAR ☐ POLARIZED	☒ LD-828	(observations at start of measurement)
☐ B&K-2250 ☐ _____	☒ 1/2-INCH ☐ FREEFIELD	☐ _____	TEMP: _____ °F R.H.: _____ %
SERIAL #: 0638	☐ 1-INCH ☒ RANDOM	SERIAL #: 1901	WIND SPEED: _____ MPH
	SERIAL #: 3159		TOWARD (DIR): _____

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	METER SETTINGS:
LDCAL200			☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ LD CA250	☐ 250	Before 114, 114, 8.8, 16:32	☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES
☐ B&K 4231	☒ 1000	After 114, 113.8, 8.8, 16:48	SKIES: Clear
S/N 2924	☐ _____		CAMERA Jason
			PHOTO NOs. _____

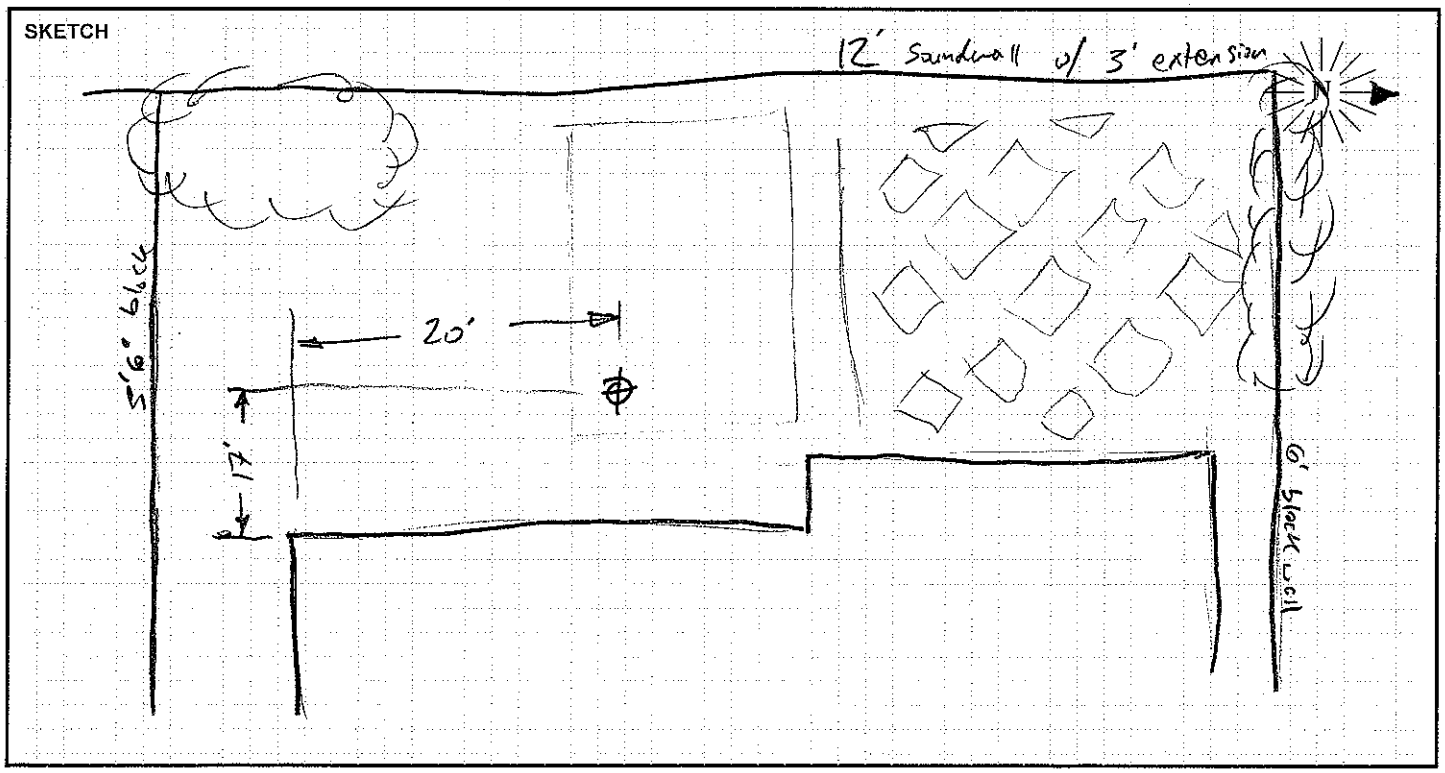
NOTES: about 59 - 61 dBA @ start

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/23	11:40											
6/24		11:53										

SKETCH

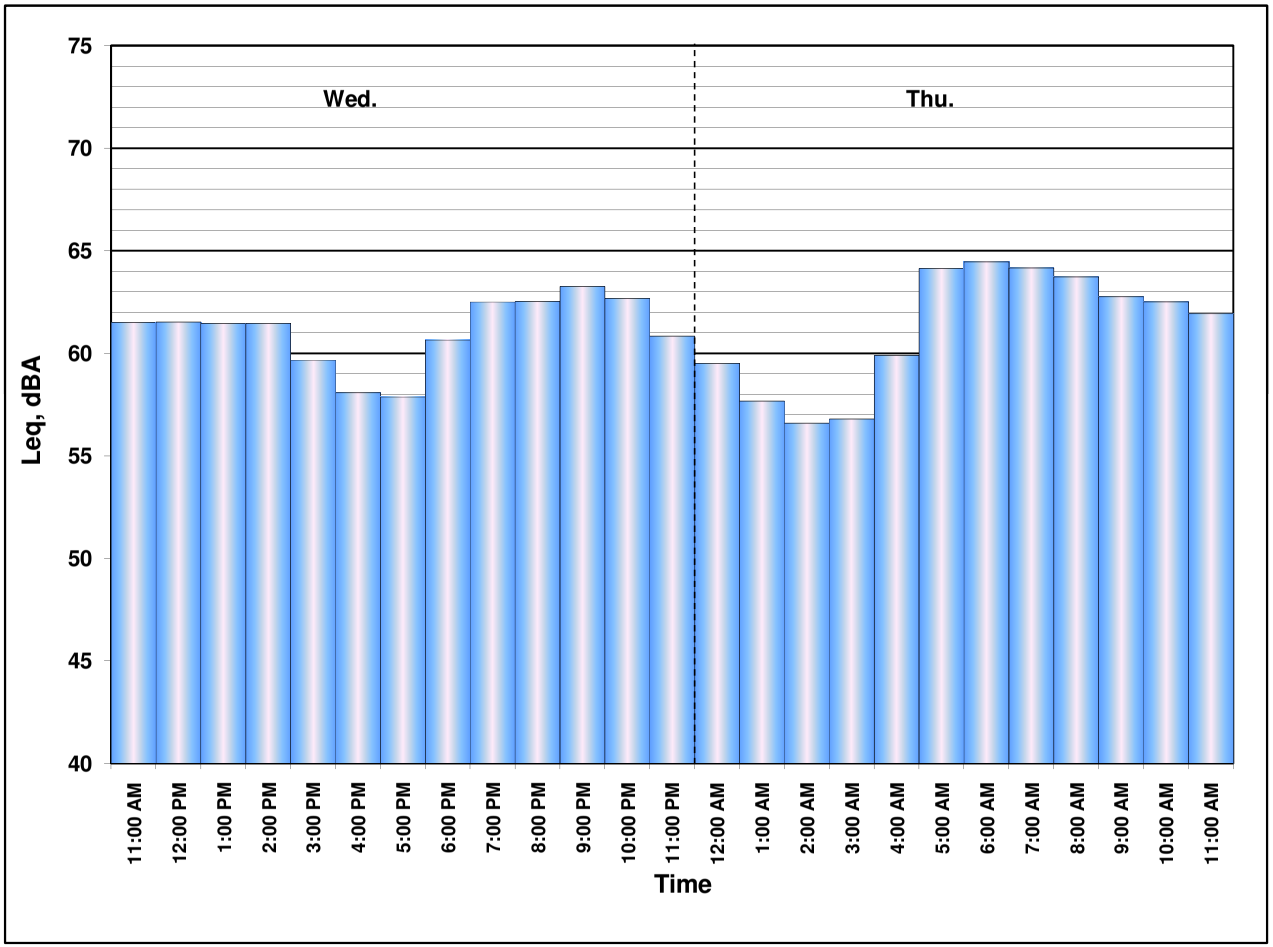


PARSONS

Site LT25 Hourly Noise Levels, $L_{eq}(h)$

Location: 12621 Martha Ann Dr., Rossmoor, CA
Position: Backyard
Sources: Traffic on I- 605
Date: 06/23/10 - 06/24/10 **Notes:** See attached Noise Measurement Form.

TIME	6/23-6/24 $L_{eq(h)}$ dBA
11:00 - 12:00 PM	62
12:00 - 01:00 PM	62
01:00 - 02:00 PM	61
02:00 - 03:00 PM	61
03:00 - 04:00 PM	60
04:00 - 05:00 PM	58
05:00 - 06:00 PM	58
06:00 - 07:00 PM	61
07:00 - 08:00 PM	63
08:00 - 09:00 PM	63
09:00 - 10:00 PM	63
10:00 - 11:00 PM	63
11:00 - 12:00 AM	61
12:00 - 01:00 AM	60
01:00 - 02:00 AM	58
02:00 - 03:00 AM	57
03:00 - 04:00 AM	57
04:00 - 05:00 AM	60
05:00 - 06:00 AM	64
06:00 - 07:00 AM	64
07:00 - 08:00 AM	64
08:00 - 09:00 AM	64
09:00 - 10:00 AM	63
10:00 - 11:00 AM	63
11:00 - 12:00 PM	62



FIELD SURVEY FORM

PROJECT: I-405_PA-ED

ENGINEER: Ibrahim A/Jason O.

DATE: 06/23/10

MEASUREMENT ADDRESS: 11541 Martha Ann

CITY: Rossmoor

☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial

SITE NO.: LT26

SOUND LEVEL METER: ☒ LD-870 ☐ LD-820 ☐ LD-824 ☐ LD-812 ☐ B&K-2250 ☐ _____

SERIAL #: 0128

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM

SERIAL #: 2029

PRE AMP: ☒ LD-900 ☐ LD-828 ☐ _____

SERIAL #: 3202

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 76 °F R.H.: 60.5 %

WIND SPEED: 0.6 MPH

TOWARD (DIR): calm

SKIES: Some clouds

CAMERA Jason's

PHOTO NOs. 752-761

CALIBRATOR: ☒ LD CA250 ☐ B&K 4231 S/N 2480

Freq, Hz. ☒ 250 ☐ 1000 ☐ _____

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 22.1, 10:15

After 114, 113.9, 22.1, 11:30

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 MINUTE ☐ L_N PERCENTILE VALUES

NOTES:

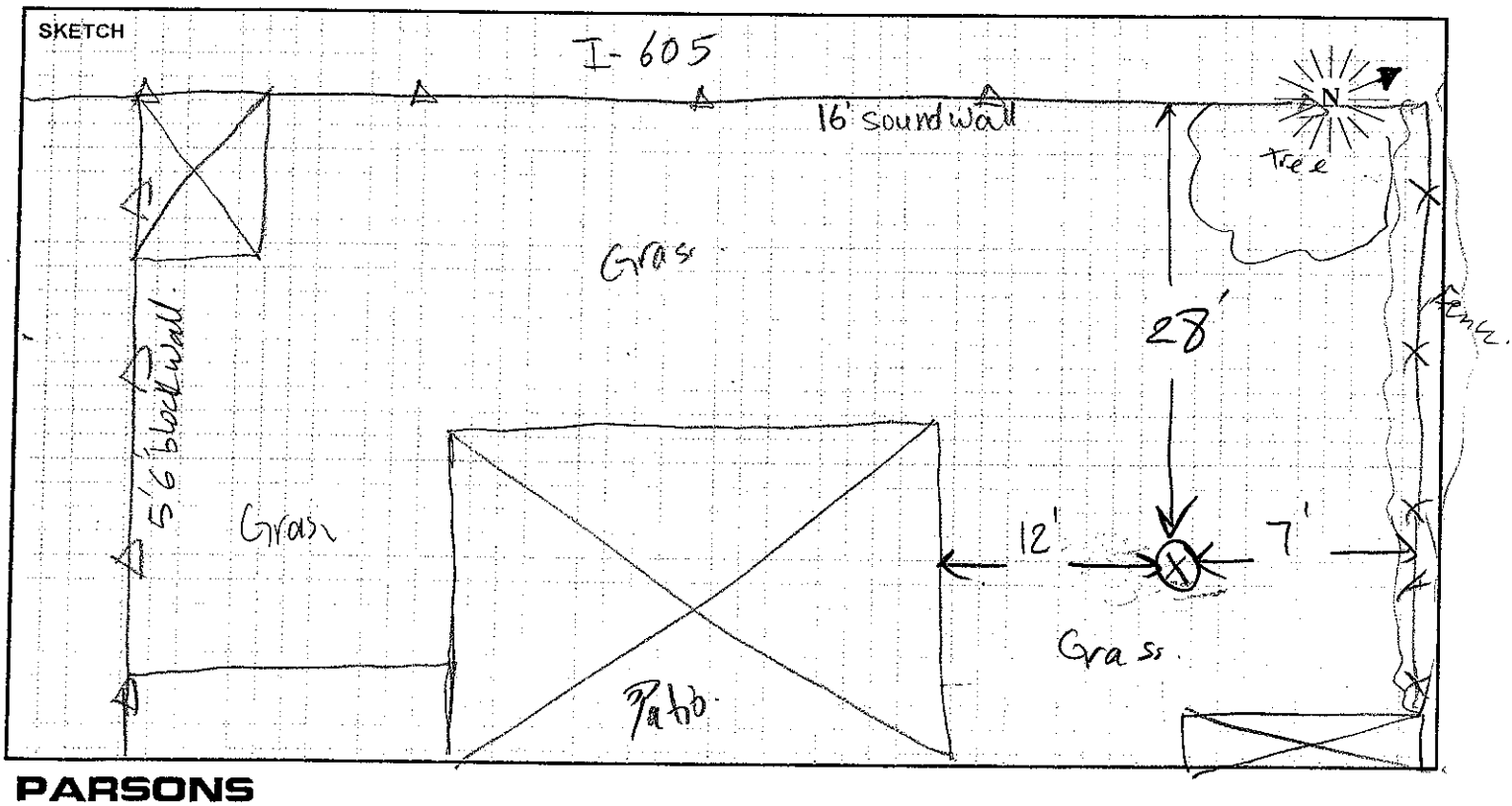
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts AT MT HT

MEAS. TYPE: ☒ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/23	10:15											
6/24		15:02										

SKETCH

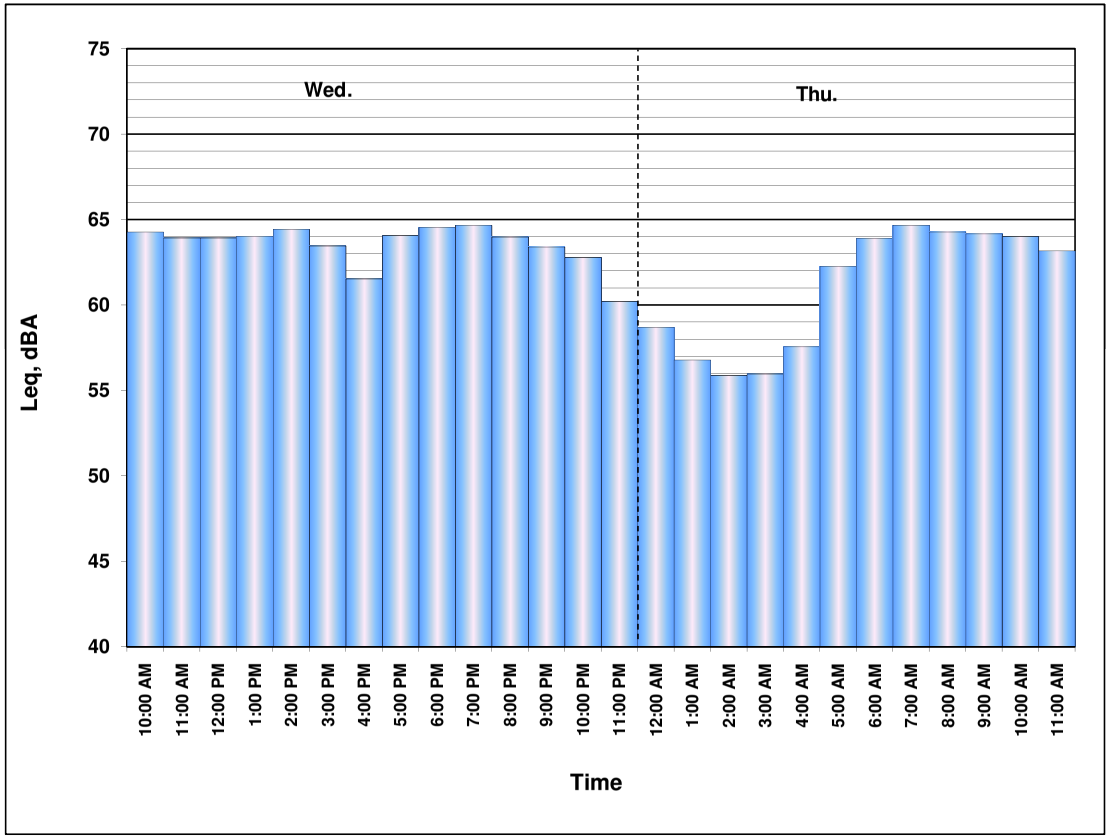


PARSONS

Site LT26 Hourly Noise Levels, $L_{eq}(h)$

Location: 11541 Martha Ann Dr., Rossmoor, CA
Position: Backyard
Sources: Traffic on I- 605
Date: 06/23/10 - 06/24/10 **Notes:** See attached Noise Measurement Form.

TIME	6/23-6/24 $L_{eq(h)}$ dBA
10:00 - 11:00 AM	64
11:00 - 12:00 PM	64
12:00 - 01:00 PM	64
01:00 - 02:00 PM	64
02:00 - 03:00 PM	64
03:00 - 04:00 PM	63
04:00 - 05:00 PM	62
05:00 - 06:00 PM	64
06:00 - 07:00 PM	65
07:00 - 08:00 PM	65
08:00 - 09:00 PM	64
09:00 - 10:00 PM	63
10:00 - 11:00 PM	63
11:00 - 12:00 AM	60
12:00 - 01:00 AM	59
01:00 - 02:00 AM	57
02:00 - 03:00 AM	56
03:00 - 04:00 AM	56
04:00 - 05:00 AM	58
05:00 - 06:00 AM	62
06:00 - 07:00 AM	64
07:00 - 08:00 AM	65
08:00 - 09:00 AM	64
09:00 - 10:00 AM	64
10:00 - 11:00 AM	64
11:00 - 12:00 PM	63



FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: Jason O. / Ibrahim A.	DATE: 06/08/10
MEASUREMENT ADDRESS: 13671 Olympic Ave	CITY: Costa Mesa	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST1

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☒ LD-870 ☐ LD-820 ☐ LD-824 ☐ LD-812 ☐ LD-2900 ☐ _____	☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM	☒ LD-900 ☐ LD-828 ☐ _____	SYSTEM PWR: ☒ BAT ☐ AC (observations at start of measurement)
SERIAL #: 0344	SERIAL #: 1785	SERIAL #: 3203	TEMP: 71 °F R.H.: 70 %

CALIBRATOR:	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☒ LD CA250 ☐ _____ S/N 2480 — Freq, Hz.: ☒ 250 ☐ 1000 ☐	Before 114, 114, 91.1, 13:34	WIND SPEED: 1.4 MPH
	After 114, 113.9, 91.1, 14:03	TOWARD (DIR): _____
		SKIES: cloudy
		CAMERA _____
		PHOTO NOs. 110-119

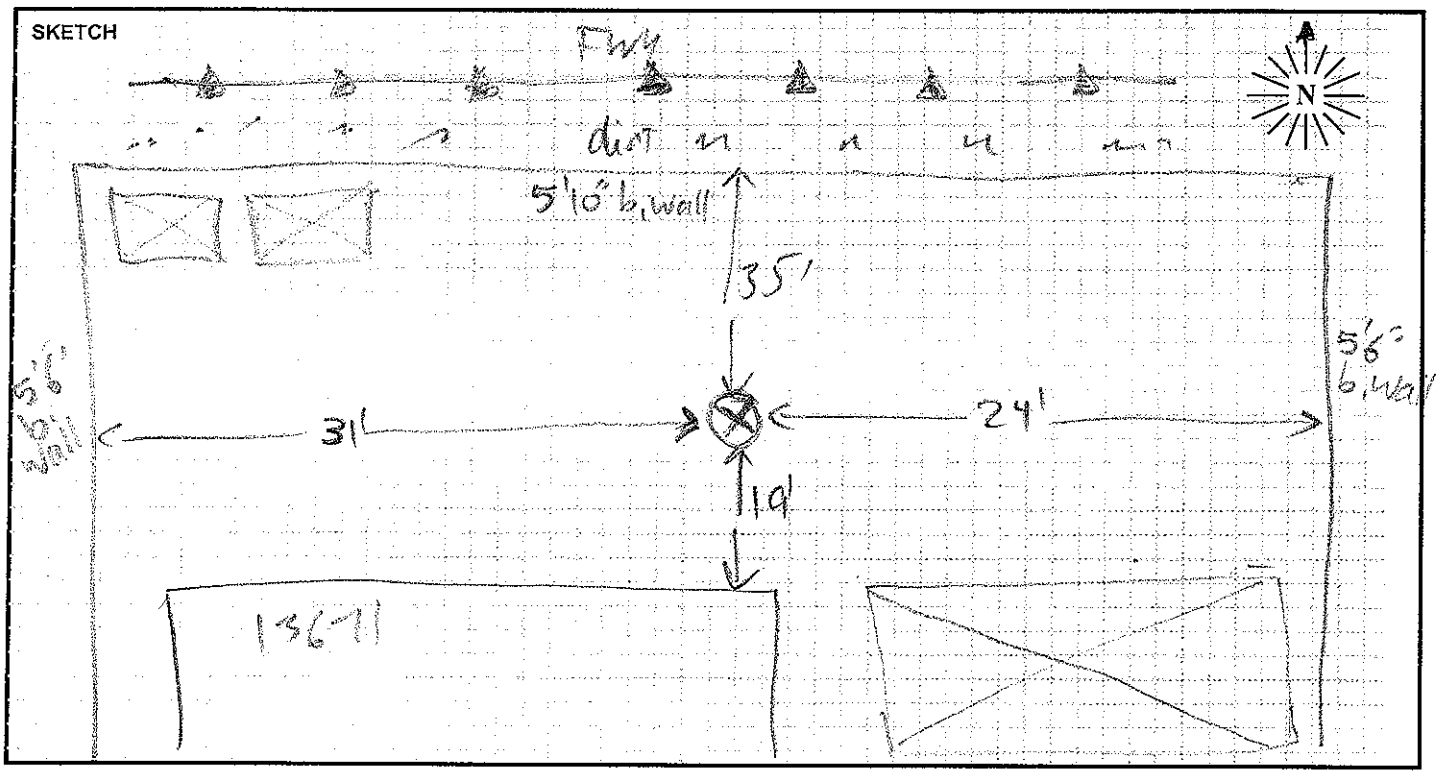
METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

NOTES: Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/08	1:40	2:00	60.9	61.6	62.9	64.5	65.4	66.0	67.6	68.4	64.6	

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-ED	ENGINEER: Jason O. / Ibrahim A.	DATE: 06/07/10
MEASUREMENT ADDRESS: 3049 Yukon Cir. / CITY: Costa Mesa	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST1A

SOUND LEVEL METER:	MICROPHONE: ☒ WIND SCREEN	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☐ NON-POLAR ☐ POLARIZED	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☐ LD-812	☐ 1/2-INCH ☐ FREEFIELD	☐ LD-828	(observations at start of measurement)
☒ B&K-2250 ☐ _____	☐ 1-INCH ☐ RANDOM	☐ _____	
SERIAL #: 2676029	SERIAL #: #4199 2663101	SERIAL #: 10729	TEMP: 70 °F R.H.: 55 %

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☐ LD CA250	☐ 250	6/7 Before	_____, 46.35, n/a, 11:18
☒ B&K 4231	☒ 1000	6/9 After	_____, 46.58, _____, 9:28
S/N 2507137	☐ _____		

METER SETTINGS:					
☒ A-WTD	☐ LINEAR	☒ SLOW	☐ 1/1 OCT	☒ INTERVALS 20 - MINUTE	WIND SPEED: 1 MPH
☐ C-WTD	☐ IMPULSE	☐ FAST	☐ 1/3 OCT	☐ L_N PERCENTILE VALUES	TOWARD (DIR): _____

SKIES: Partly cloudy

CAMERA _____

PHOTO NOs. 14-34

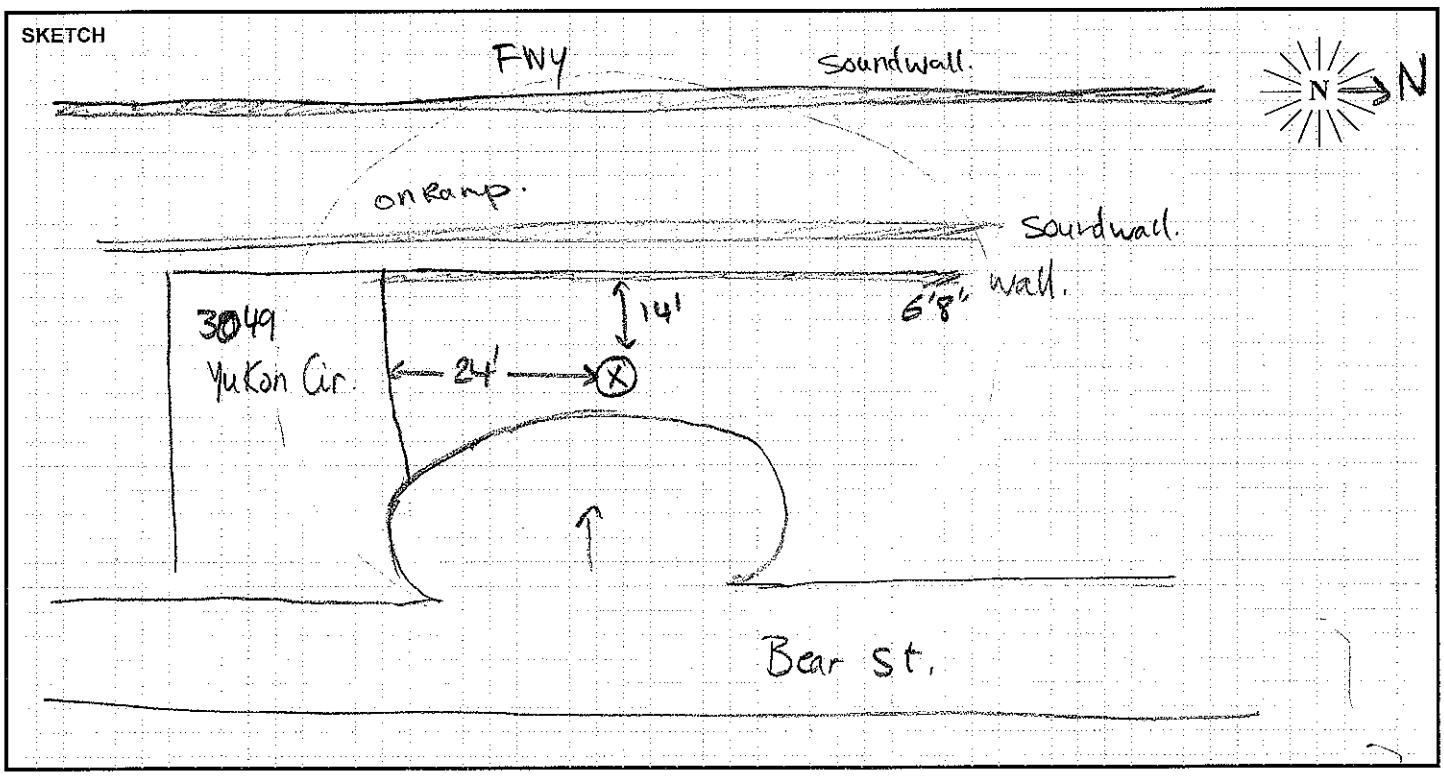
NOTES:

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/07	11:19	11:40	50.9	51.2	52.4	53.6	/	55.4	61.0	67.3	54.4	Carhorn, Motorcycle

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: Ibrahim A.	DATE: 06/07/10
MEASUREMENT ADDRESS: 960 Springfield	CITY: Costa Mesa	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: STIB

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☒ LD-870 ☐ LD-820 ☐ LD-824 ☐ LD-812 ☐ B&K-2250 ☐ _____	☒ NON-POLAR ☐ POLARIZED ☐ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM ☐ WIND SCREEN	☒ LD-900 ☐ LD-828 ☐ _____	SYSTEM PWR: ☒ BAT ☐ AC
SERIAL #: 0344	SERIAL #: 1785	SERIAL #: 3203	(observations at start of measurement)
			TEMP: 76 °F R.H.: 61 %
			WIND SPEED: 1.6 MPH
			TOWARD (DIR): _____
			SKIES: Partly cloudy
			CAMERA _____
			PHOTO NOs. 35-39

CALIBRATOR: ☒ LD CA250 ☐ B&K 4231 S/N 2480

Freq, Hz.: ☒ 250 ☐ 1000 ☐ _____

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 21.1, 12:07

After 114, 113.9, 21.1, 15:14

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 - MINUTE ☐ L_N PERCENTILE VALUES

NOTES:

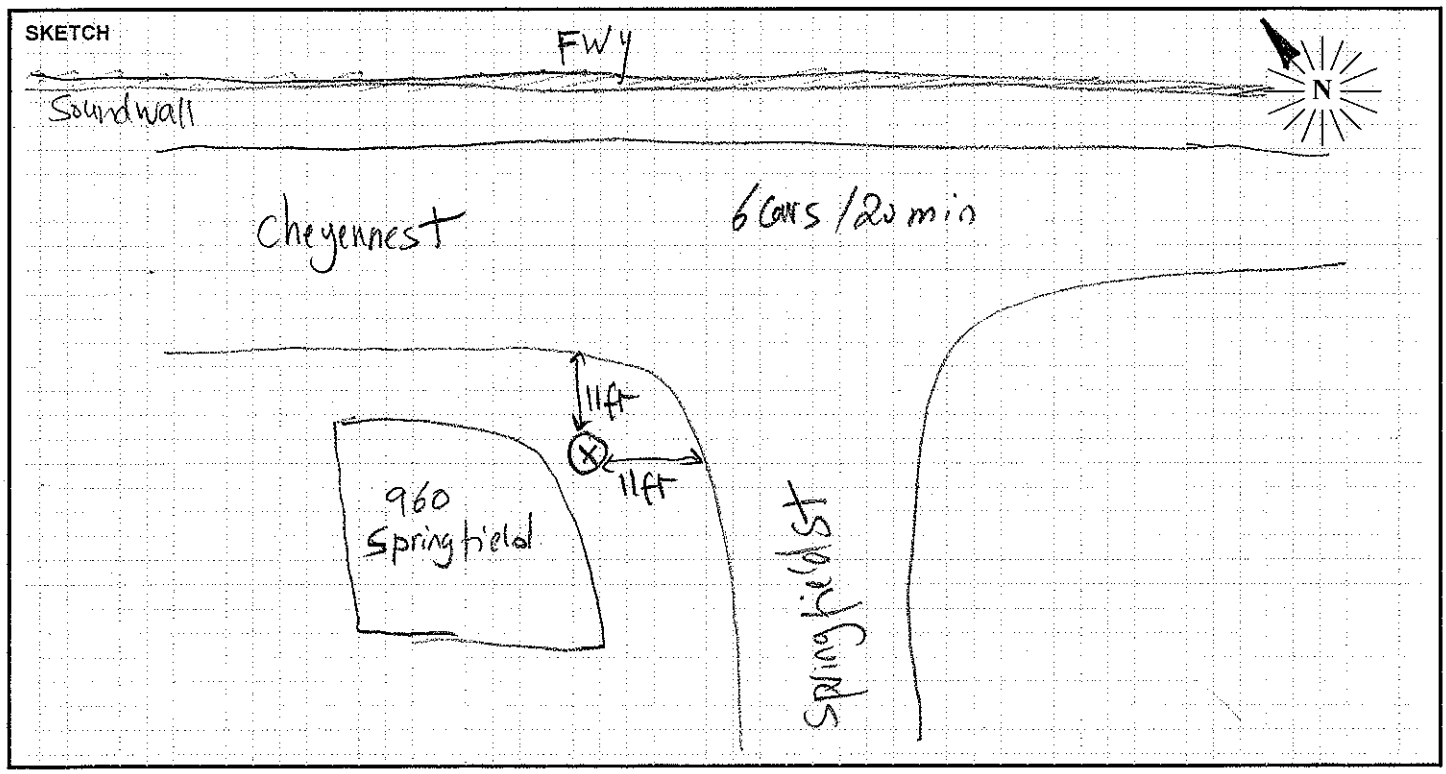
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☐ Long Term ☐ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/07	12:20	12:40	50.4	50.8	51.8	53.5	54.4	55.5	60.9	63.7	54.1	Car starts at 12:22, 57 dBA
												Prop at 12:34-12:35
												car parking nearby at 12:39

SKETCH



FIELD SURVEY FORM

PROJECT: I-405_PA-ED	ENGINEER: Philip J. / Ibrahim M.	DATE: 06/07/2010
MEASUREMENT ADDRESS: 910 Liard Pl	CITY: Costa Mesa	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial — SITE NO.: STIC

SOUND LEVEL METER: ☒ LD-870 ☐ LD-820 ☐ LD-824 ☐ LD-812 ☐ LD-2900 ☐ _____
SERIAL #: 0344

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM
SERIAL #: 1785

PRE AMP: ☒ LD-900 ☐ LD-828 ☐ _____
SERIAL #: 3203

CALIBRATOR: ☒ LD CA250 ☐ _____ S/N 2480
Freq, Hz.: ☒ 250 ☐ 1000 ☐

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time
Before 114, 114, 21.1, 12:07
After 114, 113.9, 21.1, 16:23

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 - MINUTE ☐ L_N PERCENTILE VALUES

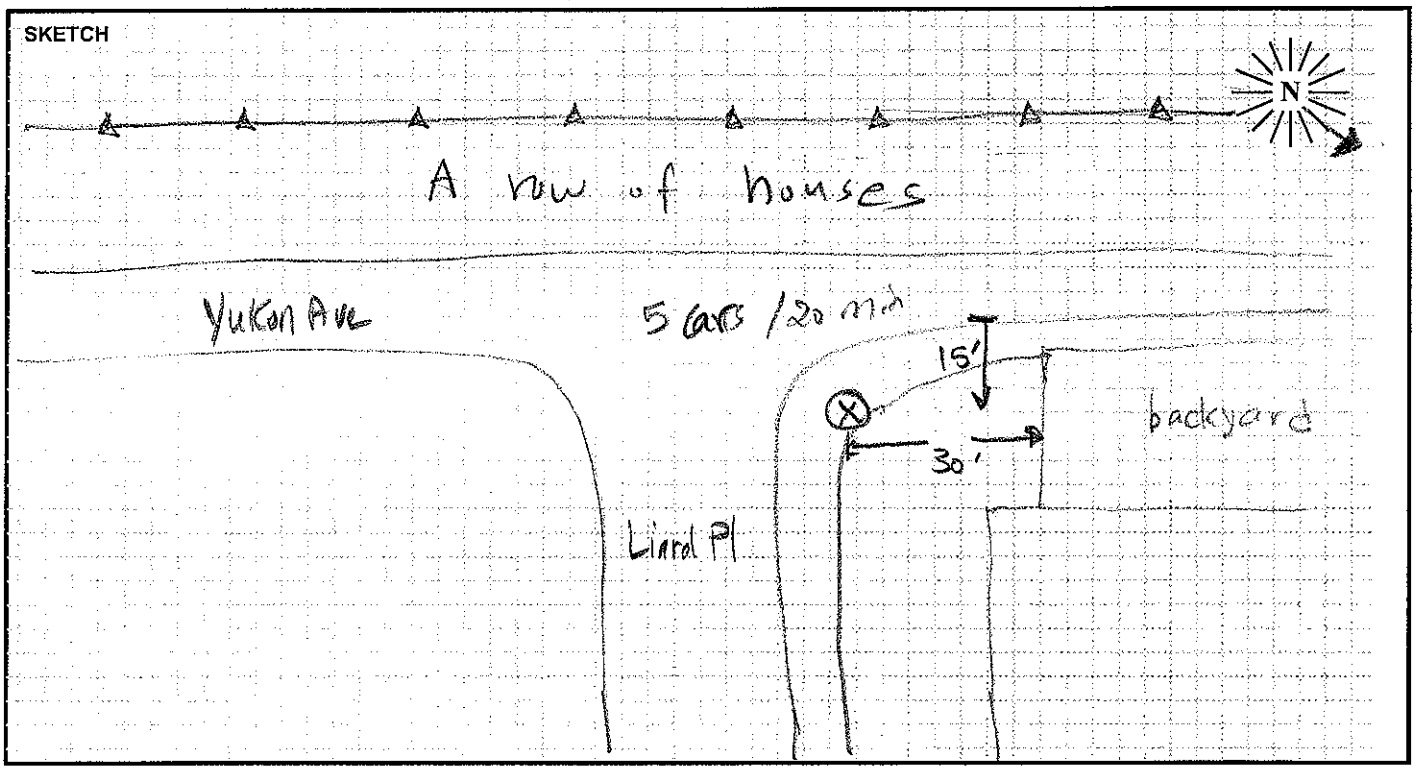
NOTES:
SYSTEM PWR: ☒ BAT ☐ AC
(observations at start of measurement)
TEMP: 72 °F R.H.: 65 %
WIND SPEED: 1.8 MPH
TOWARD (DIR): _____
SKIES: Partly cloudy
CAMERA _____
PHOTO NOs. 54-59

NOTES: Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/07	14:00	14:20	58.0	58.4	59.6	61.4	62.4	63.3	66.0	69.4	61.8	

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405-PA-ED		ENGINEER: Philip S. / Ibrahim A	DATE: 06/07/10
MEASUREMENT ADDRESS: 990 Hartford Way	CITY: Costa Mesa	☐ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST2

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☒ LD-870 ☐ LD-820	☒ NON-POLAR ☐ POLARIZED	☒ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☐ LD-812	☐ 1/2-INCH ☐ FREEFIELD	☐ LD-828	(observations at start of measurement)
☐ LD-2900 ☐ _____	☐ 1-INCH ☒ RANDOM	☐ _____	
SERIAL #: 0344	SERIAL #: 1785	SERIAL #: 3203	TEMP: 76 °F R.H.: 62 %

CALIBRATOR: ☒ LD CA250 ☐ _____ S/N 2480

Freq, Hz.: ☒ 250 ☐ 1000 ☐

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114, 114, 21.1, 12:07

After 114, 113.9, 21.1, 16:23

WIND SPEED: 2.6 MPH

TOWARD (DIR): _____

SKIES: Sunny

CAMERA _____

PHOTO NOs. 46 - 53

METER SETTINGS:

☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE

☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

NOTES:

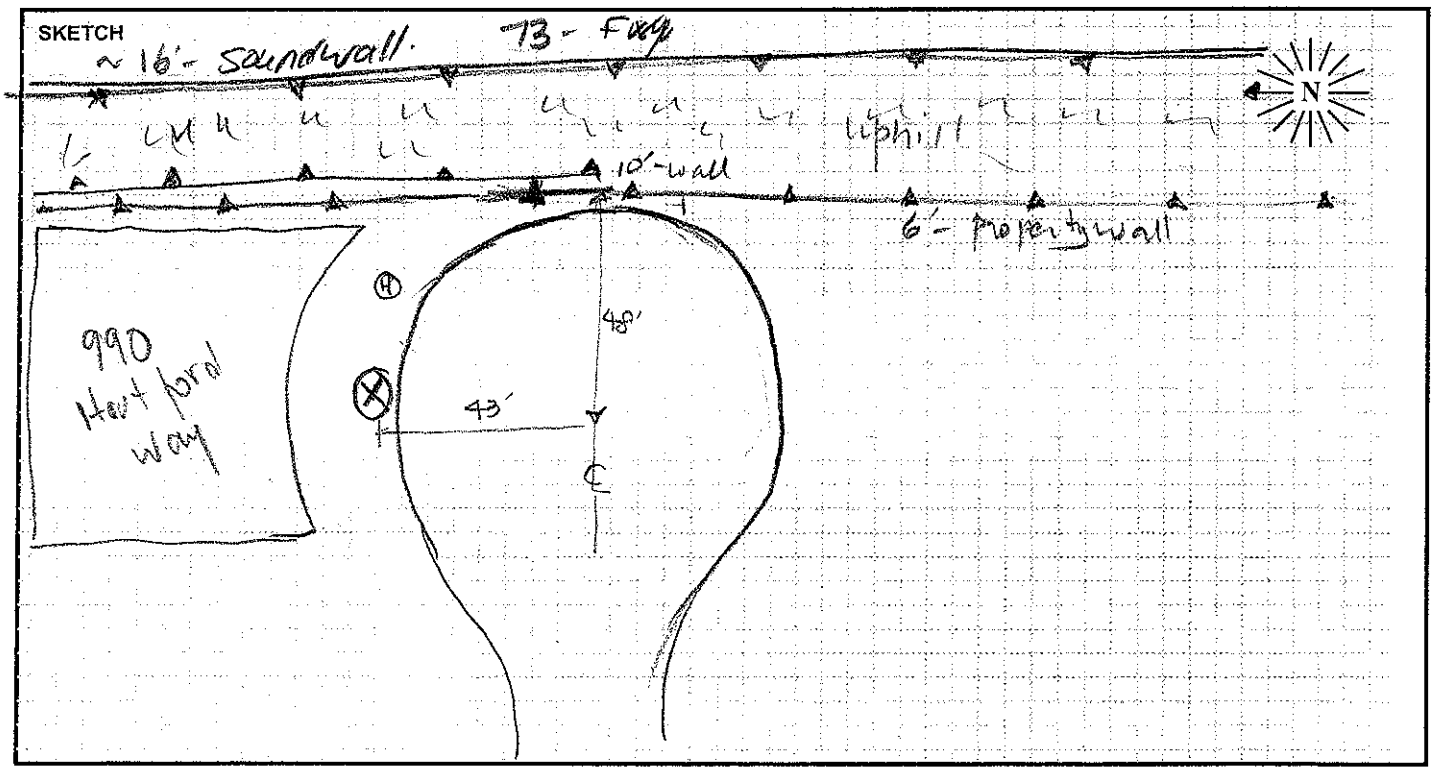
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/07	3:20	3:40	51.8	52.4	53.5	54.9	55.7	56.6	59.6	73.0	55.6	

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I. 405. PA - ED		ENGINEER: Jason O. / Ibrahim A	DATE: 06/08/10
MEASUREMENT ADDRESS: 1072 Concord St	CITY: Costa Mesa	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST2A

SOUND LEVEL METER: ☒ LD-870 ☐ LD-820 ☐ LD-824 ☐ LD-812 ☐ LD-2900 ☐ _____
SERIAL #: 0344

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM
SERIAL #: 1785

PRE AMP: ☒ LD-900 ☐ LD-828 ☐ _____
SERIAL #: 3203

CALIBRATOR: ☒ LD CA250 ☐ _____ S/N 2480
Freq, Hz.: ☒ 250 ☐ 1000 ☐

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time
Before 114, 114, 91.1, 11:18
After 114, 114, 91.1, 13:34

METER SETTINGS: ☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

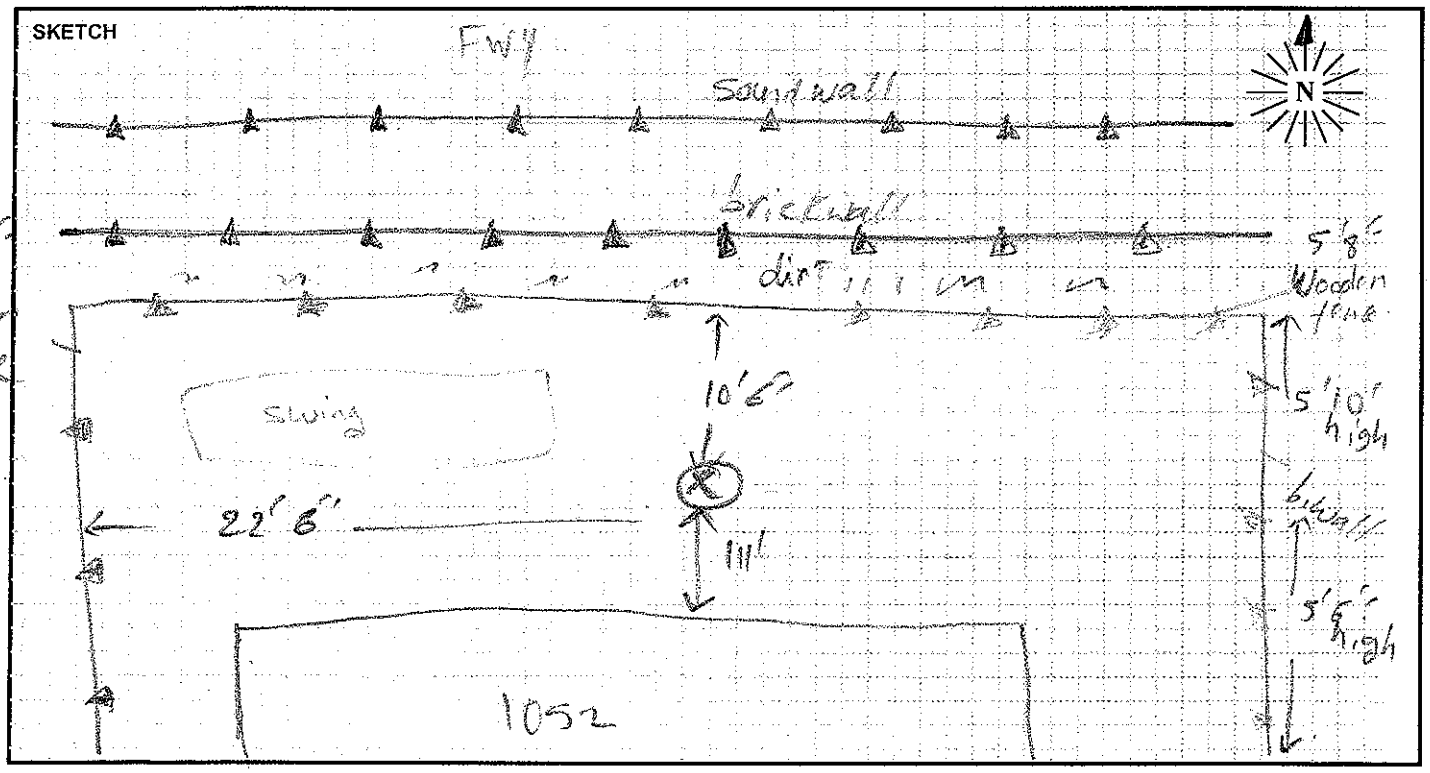
NOTES:
SYSTEM PWR: ☒ BAT ☐ AC
(observations at start of measurement)
TEMP: 71 °F R.H.: 70 %
WIND SPEED: 1.1 MPH
TOWARD (DIR): _____
SKIES: cloudy
CAMERA _____
PHOTO NOs. 79 - 87

NOTES:
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar
Counts: AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/08	11:20	11:40	52.0	53.1	54.8	57	58.1	59.1	61.5	63.9	57.4	Jet at 11:35

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: OGDEN	DATE: 6/9/16
MEASUREMENT ADDRESS: (103/104) 100 south Coast Dr.	CITY: Costa Mesa	☐ Single-Family ☐ Recreational ☒ Multi-Family ☐ Commercial	SITE NO.: ST3

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☒ WIND SCREEN	☐ LD-900	SYSTEM PWR: ☐ BAT ☐ AC
☐ LD-824 ☐ LD-812	☐ NON-POLAR ☐ POLARIZED	☐ LD-828	(observations at start of measurement)
☒ B&K-2250 ☐ _____	☒ 1/2-INCH ☒ FREEFIELD	☒ _____	TEMP: 72 °F R.H.: 66 %
SERIAL #: 2676029	☐ 1-INCH ☐ RANDOM	SERIAL #: 10729	WIND SPEED: 1-2 MPH
	SERIAL #: #4189 2663101		

CALIBRATOR:	Freq, Hz.	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time
☐ LD CA250	☐ 250	6/9 ~~Before~~ Sens, 46.58, mV/Pa, 09:29
☒ B&K 4231	☒ 1000	6/10 ~~After~~ , 47.19, , 9:52
S/N 2507137	☐ _____	

TOWARD (DIR): Calm

SKIES: Clear

CAMERA Phillip

PHOTO NOs. _____

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES

NOTES: Local street significant noise source

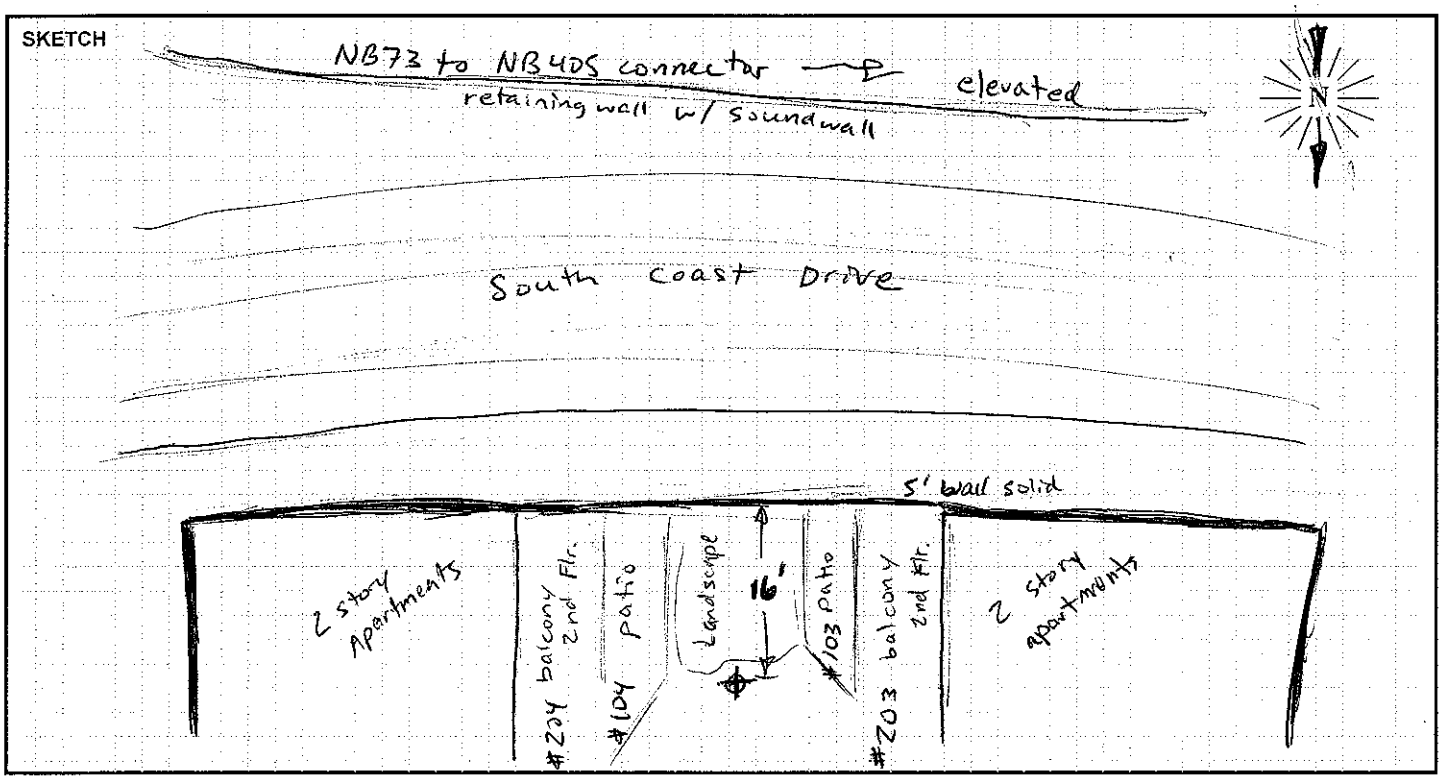
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/9	12:15	12:20										
	12:20	12:40	54.7	55.5	56.9	58.3		60.1	65.5	68.8	58.9	talking

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: Ibrahim A.	DATE: 06/09/10
MEASUREMENT ADDRESS: Glen Winbeldon Apts	CITY: Costa Mesa	☐ Single-Family ☒ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST4

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:	NOTES:
☒ LD-870 ☐ LD-820	☒ WIND SCREEN	☒ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☐ LD-812	☒ NON-POLAR ☐ POLARIZED	☐ LD-828	(observations at start of measurement)
☐ LD-2900 ☐ _____	☒ 1/2-INCH ☐ FREEFIELD	☐ _____	TEMP: 72 °F R.H.: 66 %
	☐ 1-INCH ☒ RANDOM		WIND SPEED: 0.8 MPH
SERIAL #: 0344	SERIAL #: 1785	SERIAL #: 3203	TOWARD (DIR): _____

CALIBRATOR:		CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☐ LD CA250	Freq, Hz.	Before	114.2, 114.0, 21.0, 10:09
☐ _____	☐ 250	After	114, 113.9, 21, 1546
S/N _____	☐ 1000		
	☐		

METER SETTINGS:					
☒ A-WTD	☐ LINEAR	☒ SLOW	☐ 1/1 OCT	☒ INTERVALS 20 - MINUTE	SKIES: Cloudy
☐ C-WTD	☐ IMPULSE	☐ FAST	☐ 1/3 OCT	☐ L_N PERCENTILE VALUES	CAMERA _____
					PHOTO NOs. 29-42

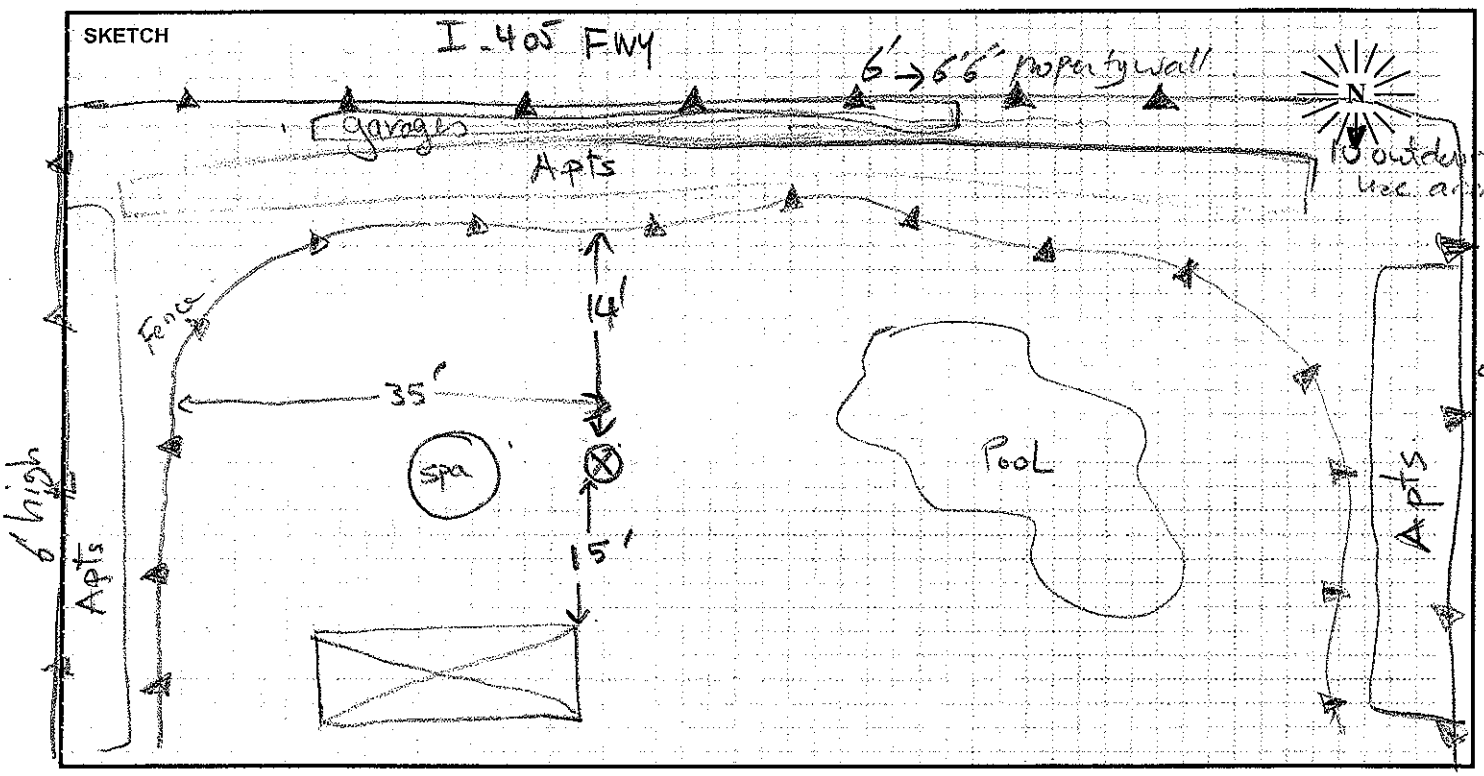
NOTES:

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/09	12:00	12:20	56.3	56.4	57.3	58.5	59.1	59.8	60.8	62.8	58.6	

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-FD		ENGINEER: Ibrahim A.	DATE: 06/09/2010
MEASUREMENT ADDRESS: Gilsler Park	CITY: Costa Mesa	☐ Single-Family ☐ Multi-Family ☒ Recreational ☐ Commercial	SITE NO.: ST5

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:
☒ LD-870 ☐ LD-820	☒ NON-POLAR ☐ POLARIZED	☒ LD-900
☐ LD-824 ☐ LD-812	☒ 1/2-INCH ☐ FREEFIELD	☐ LD-828
☐ LD-2900 ☐ _____	☐ 1-INCH ☒ RANDOM	☐ _____
SERIAL #: 0344	SERIAL #: 1785	SERIAL #: 5203

☒ WIND SCREEN

CALIBRATOR: ☒ LD CA250 ☐ _____ S/N 2480

Freq, Hz.: ☒ 250 ☐ 1000 ☐

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114 / 114 / 21 / 908

After 114 / 114 / 21 / 10:09

METER SETTINGS: ☒ A-WTD ☐ C-WTD ☐ LINEAR ☐ IMPULSE ☒ SLOW ☐ FAST ☐ 1/1 OCT ☐ 1/3 OCT ☒ INTERVALS 20 - MINUTE ☐ L_N PERCENTILE VALUES

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 64-67 °F R.H.: 81-79 %

WIND SPEED: 1-1 MPH

TOWARD (DIR): _____

SKIES: Cloudy-Mist

CAMERA _____

PHOTO NOs. 1-22

NOTES:

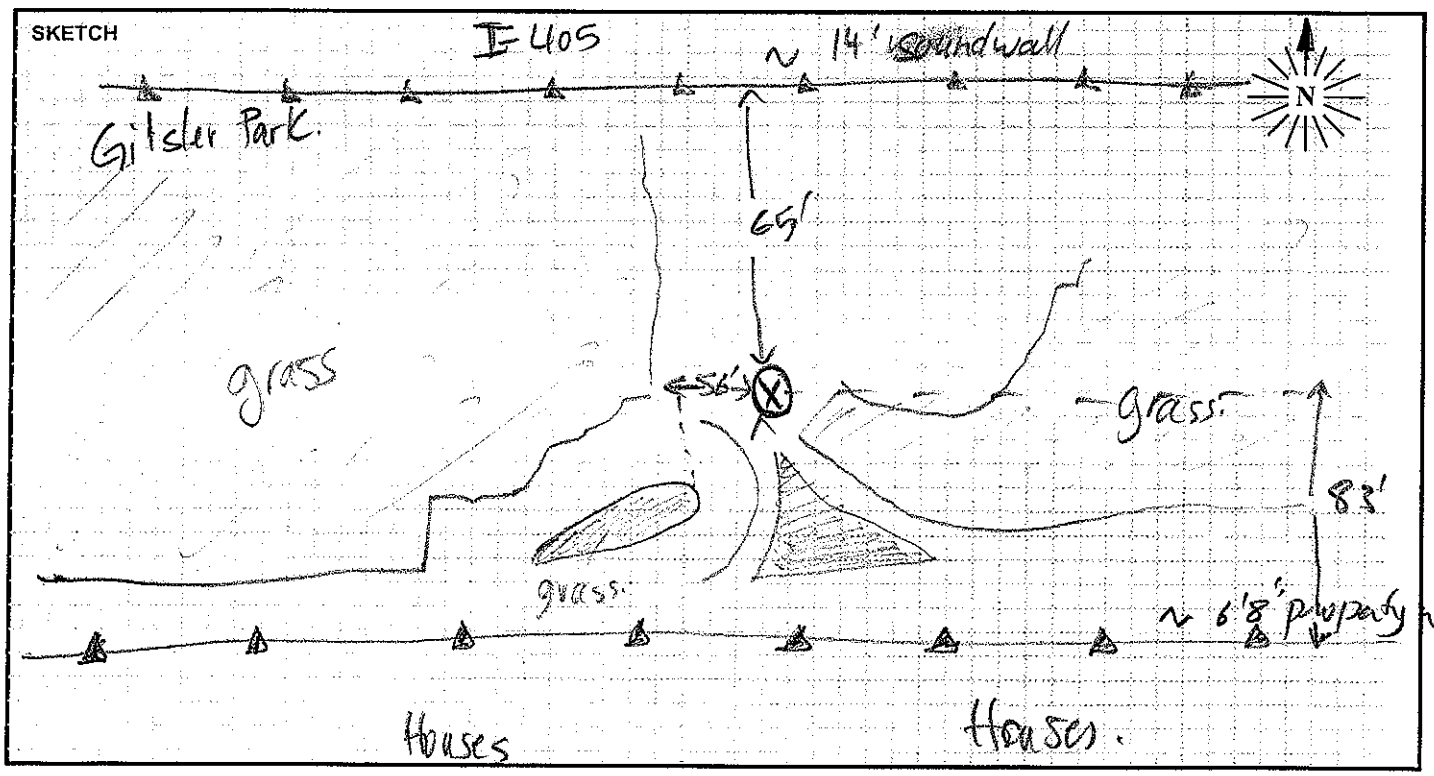
Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar

Counts: AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/09	9:09	9:20	62.1	63.2	65.0	66.0	66.8	67.0	67.9	69.8	66.1	dog barking at 9:26
	9:20	9:40	63.7	64.0	65.0	65.9	66.5	66.9	70.8	84.1	66.4	and at 9:36

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: OGDEN	DATE: 6/9/10
MEASUREMENT ADDRESS: 1376 Garlingford	CITY:	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST6

SOUND LEVEL METER: ☐ LD-870 ☐ LD-820 ☐ LD-824 ☐ LD-812 ☒ B&K-2250 ☐ _____	MICROPHONE: ☒ WIND SCREEN ☐ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM	PRE AMP: ☐ LD-900 ☐ LD-828 ☒ _____	NOTES: SYSTEM PWR: ☒ BAT ☐ AC (observations at start of measurement)
SERIAL #: 2676029	SERIAL #: #4189 2663101	SERIAL #: 10729	TEMP: 66 °F R.H.: 77 %

CALIBRATOR: ☐ LD CA250 ☒ B&K 4231 S/N 2507137	Freq, Hz. ☐ 250 ☒ 1000 ☐ _____	CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time 6/9 ~~Before~~ _____, 46.58, n/a, 09:29 6/10 After _____, 47.19, _____, 9:52

WIND SPEED: 1.1 MPH

TOWARD (DIR): _____

SKIES: partly cloudy

CAMERA _____

PHOTO NOs. _____

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES

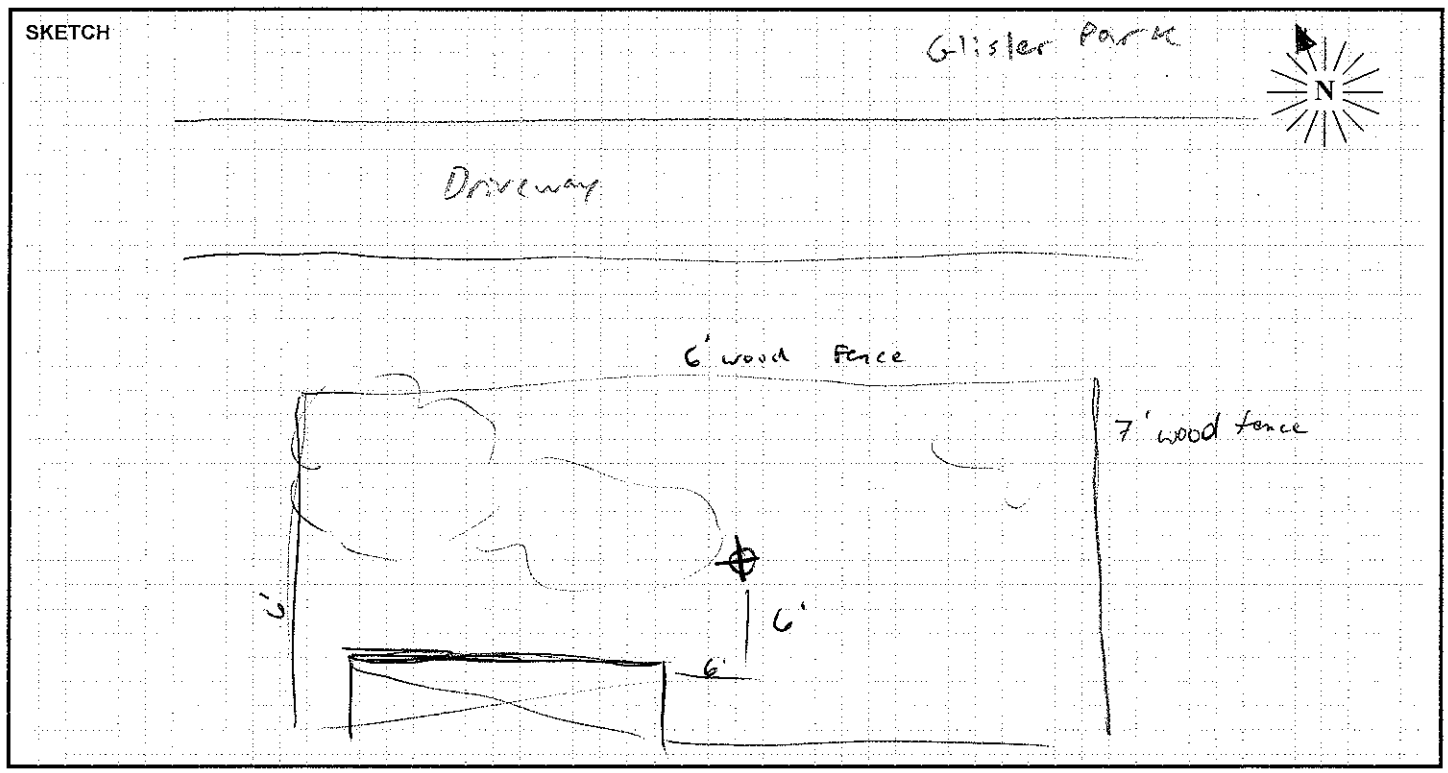
NOTES:

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/9	09:30	09:40	50.2	50.6	51.7	52.9		63.1	66.8	70.9	58.5	barking mutt
6/9	09:40	10:00	50.9	51.3	52.1	53.2		62.4	66.9	68.5	57.7	gardeners, heli

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I_405_ PA_ ED	ENGINEER: Ibrahim A.	DATE: 06/09
MEASUREMENT ADDRESS: Vagabond Inn (3205 harbor blvd)	CITY: Costa Mesa	☐ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial
		SITE NO.: ST7

SOUND LEVEL METER:	MICROPHONE:	PRE AMP:
☒ LD-870 ☐ LD-820	☒ NON-POLAR ☐ POLARIZED	☒ LD-900
☐ LD-824 ☐ LD-812	☒ 1/2-INCH ☐ FREEFIELD	☐ LD-828
☐ LD-2900 ☐ _____	☐ 1-INCH ☒ RANDOM	☐ _____
SERIAL #: 0128	SERIAL #: 1785	SERIAL #: 3203

☒ WIND SCREEN

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 71 °F R.H.: 68 %

WIND SPEED: 2, 3 MPH

TOWARD (DIR): _____

SKIES: Partly cloudy

CAMERA _____

PHOTO NOs. 51 - 59

CALIBRATOR:

☒ LD CA250

☐ _____

S/N 2479

Freq, Hz.

☒ 250

☐ 1000

☐

CALIBRATION RECORD:

Input, dB / Reading, dB / Offset, dB / Time

Before 114 / 113.9 / 21.0 / 15:46

After 114 / 113.9 / 21.0 / 16:54

METER SETTINGS:

☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE

☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

NOTES:

Dist. to Center of Nearest Lane _____

☐ Video ☐ Radar

Counts AT MT HT

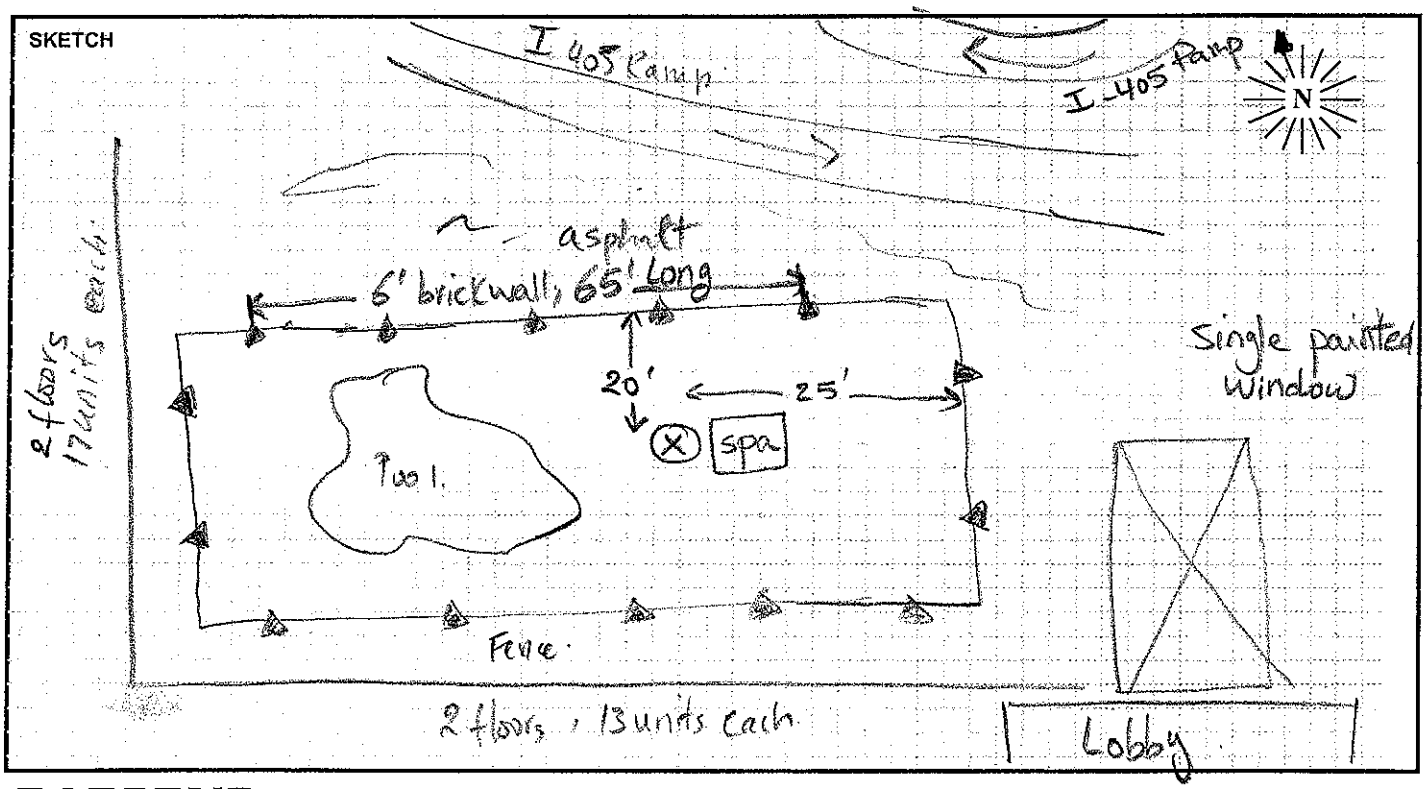
MEAS. TYPE:

☐ Long Term

☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/09	4:00	4:20	52.0	52.6	53.8	55.3	56.2	57	58.9	67.1	55.6	Ladies at the pool
												chatting the 1st
												5 min of the meas.

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: Ibrahim A.	DATE: 06/09/2010
MEASUREMENT ADDRESS: 1630 Iowa St #D	CITY: Costa Mesa	☐ Single-Family ☒ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST8

SOUND LEVEL METER:	MICROPHONE: ☒ WIND SCREEN	PRE AMP:	NOTES:
☒ LD-870 ☐ LD-820	☒ NON-POLAR ☐ POLARIZED	☒ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☐ LD-812	☒ 1/2-INCH ☐ FREEFIELD	☐ LD-828	(observations at start of measurement)
☐ LD-2900 ☐ _____	☐ 1-INCH ☐ RANDOM	☐ _____	
SERIAL #: 0128	SERIAL #: 1785	SERIAL #: 3203	TEMP: 71 °F R.H.: 65 %

CALIBRATOR:		CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☒ LD CA250	Freq, Hz.		WIND SPEED: 0.6 MPH
☐ _____	☒ 250	Before 114 / 113.9 / .21 / 16:54	TOWARD (DIR): _____
S/N 2479	☐ 1000	After 114 / 113.9 / .21 / 12:41	SKIES: Partly cloudy
	☐		CAMERA _____

METER SETTINGS:
☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

PHOTO NOs. 60-64

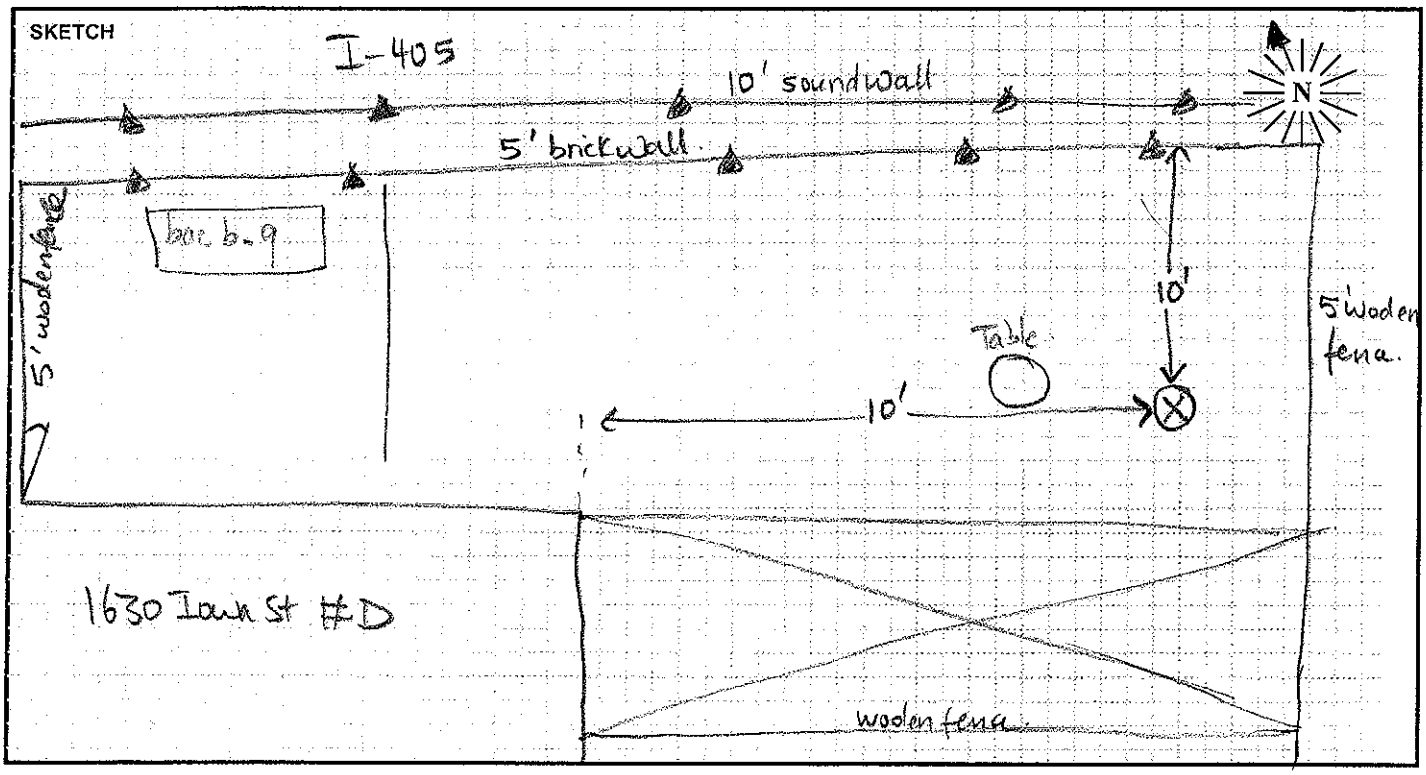
NOTES:

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/09	17:00	17:20	63.1	64.4	65.9	67.3	68.1	68.8	70.9	81.6	67.6	

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405-PA-ED

ENGINEER: Ibrahim A.

DATE: 06/09/10

MEASUREMENT ADDRESS: 3342 Nevada Ave

CITY: Costa Mesa

☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial

SITE NO.: ST9

SOUND LEVEL METER: ☒ LD-870 ☐ LD-820 ☐ LD-824 ☐ LD-812 ☐ LD-2900 ☐ _____

SERIAL #: 0128

MICROPHONE: ☒ WIND SCREEN ☒ NON-POLAR ☐ POLARIZED ☒ 1/2-INCH ☐ FREEFIELD ☐ 1-INCH ☒ RANDOM

SERIAL #: 1785

PRE AMP: ☒ LD-900 ☐ LD-828 ☐ _____

SERIAL #: 3203

NOTES:

SYSTEM PWR: ☒ BAT ☐ AC

(observations at start of measurement)

TEMP: 75 °F R.H.: 60 %

WIND SPEED: 1 MPH

TOWARD (DIR): _____

SKIES: Partly cloudy

CAMERA _____

PHOTO NOs. 43-50

CALIBRATOR: ☒ LD CA250 ☐ _____ S/N 2479

Freq, Hz. ☒ 250 ☐ 1000 ☐

CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time

Before 114 / 114 / 21 / 14:55

After 114 / 113.9 / 21 / 15:46

METER SETTINGS: ☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE ☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☐ L_N PERCENTILE VALUES

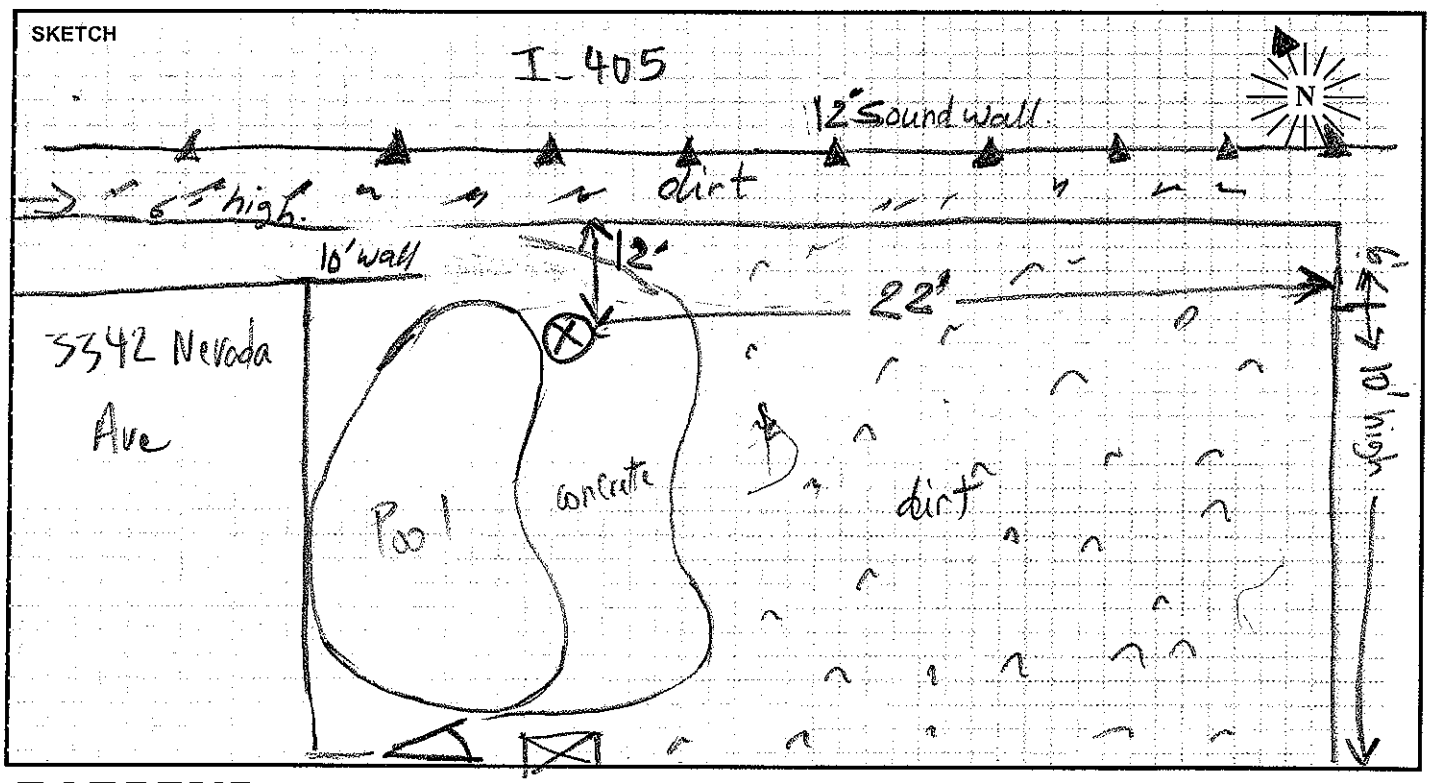
NOTES:

Dist. to Center of Nearest Lane _____ ☐ Video ☐ Radar Counts AT MT HT

MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
06/09	3:00	3:20	57.1	57.9	59.1	60.7	61.6	62.4	63.9	65.4	60.9	

SKETCH



PARSONS

FIELD SURVEY FORM

PROJECT: I-405 PA-ED		ENGINEER: OGDEN	DATE: 6/10/10
MEASUREMENT ADDRESS: 3324 Wyoming Cir.	CITY: Costa Mesa	☒ Single-Family ☐ Multi-Family ☐ Recreational ☐ Commercial	SITE NO.: ST9A

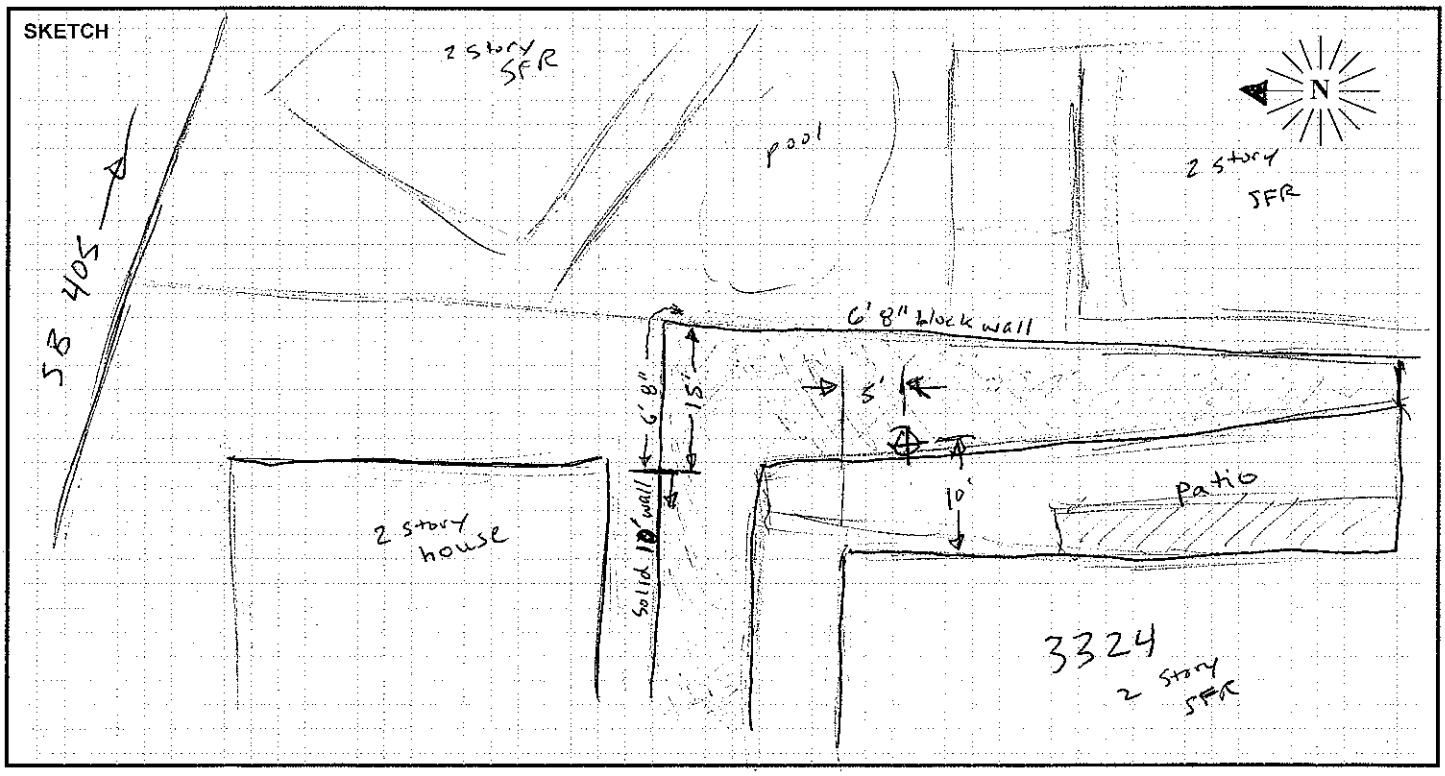
SOUND LEVEL METER:	MICROPHONE: ☒ WIND SCREEN	PRE AMP:	NOTES:
☐ LD-870 ☐ LD-820	☐ NON-POLAR ☐ POLARIZED	☐ LD-900	SYSTEM PWR: ☒ BAT ☐ AC
☐ LD-824 ☐ LD-812	☒ 1/2-INCH ☐ FREEFIELD	☐ LD-828	(observations at start of measurement)
☒ B&K-2250 ☐ _____	☐ 1-INCH ☒ RANDOM	☐ _____	
SERIAL #: 2676029	SERIAL #: #4189 2663101	SERIAL #: 10729	TEMP: 70 °F R.H.: 65 %

CALIBRATOR:		CALIBRATION RECORD: Input, dB / Reading, dB / Offset, dB / Time	
☐ LD CA250	Freq, Hz.		WIND SPEED: 20 MPH
☒ B&K 4231	☐ 250	Before Sens, 47.19, mV/Pa, 09:52	TOWARD (DIR): _____
S/N 2507137	☒ 1000	After _____, 46.82, _____, 14:10	SKIES: Clouds
	☐ _____		CAMERA _____
METER SETTINGS: ☒ A-WTD ☐ LINEAR ☒ SLOW ☐ 1/1 OCT ☒ INTERVALS 20 - MINUTE			
☐ C-WTD ☐ IMPULSE ☐ FAST ☐ 1/3 OCT ☒ L_N PERCENTILE VALUES			PHOTO NOs. _____

NOTES:	Dist. to Center of Nearest Lane _____	☐ Video ☐ Radar	Counts AT MT HT	MEAS. TYPE: ☐ Long Term ☒ Short Term

DATE	START TIME	STOP TIME	L_{MIN}	L_{99}	L_{90}	L_{50}	L_{25}	L_{10}	L_{01}	L_{MAX}	L_{EQ}	NOTES:
6/10	10:00	10:20	52.3	53.0	54.4	56.1		57.8	59.2	64.3	56.3	

SKETCH



PARSONS