APPENDIX D

Noise Data

Environmental Noise Assessment

City of Sausalito 6th Cycle Housing Element

City of Sausalito, California

August 21, 2024

Project #230522

Prepared for:

DE NOVO PLANNING GROUP

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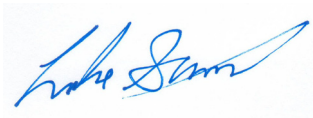

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Appendix A: Acoustical Terminology

Acoustics	The science of sound.
Ambient Noise	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
ASTC	Apparent Sound Transmission Class. Similar to STC but includes sound from flanking paths and correct for room reverberation. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Attenuation	The reduction of an acoustic signal.
A-Weighting	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
Decibel or dB	Fundamental unit of sound, A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
CNEL	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by +5 dBA and nighttime hours weighted by +10 dBA.
DNL	See definition of Ldn.
IIC	Impact Insulation Class. An integer-number rating of how well a building floor attenuates impact sounds, such as footsteps. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Frequency	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz (Hz).
Ldn	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
Leq	Equivalent or energy-averaged sound level.
Lmax	The highest root-mean-square (RMS) sound level measured over a given period of time.
L(n)	The sound level exceeded a described percentile over a measurement period. For instance, an hourly L50 is the sound level exceeded 50% of the time during the one-hour period.
Loudness	A subjective term for the sensation of the magnitude of sound.
NIC	Noise Isolation Class. A rating of the noise reduction between two spaces. Similar to STC but includes sound from flanking paths and no correction for room reverberation.
NNIC	Normalized Noise Isolation Class. Similar to NIC but includes a correction for room reverberation.
Noise	Unwanted sound.
NRC	Noise Reduction Coefficient. NRC is a single-number rating of the sound-absorption of a material equal to the arithmetic mean of the sound-absorption coefficients in the 250, 500, 1000, and 2,000 Hz octave frequency bands rounded to the nearest multiple of 0.05. It is a representation of the amount of sound energy absorbed upon striking a particular surface. An NRC of 0 indicates perfect reflection; an NRC of 1 indicates perfect absorption.
RT60	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
Sabin	The unit of sound absorption. One square foot of material absorbing 100% of incident sound has an absorption of 1 Sabin.
SEL	Sound Exposure Level. SEL is a rating, in decibels, of a discrete event, such as an aircraft flyover or train pass by, that compresses the total sound energy into a one-second event.
SPC	Speech Privacy Class. SPC is a method of rating speech privacy in buildings. It is designed to measure the degree of speech privacy provided by a closed room, indicating the degree to which conversations occurring within are kept private from listeners outside the room.
STC	Sound Transmission Class. STC is an integer rating of how well a building partition attenuates airborne sound. It is widely used to rate interior partitions, ceilings/floors, doors, windows and exterior wall configurations. The STC rating is typically used to rate the sound transmission of a specific building element when tested in laboratory conditions where flanking paths around the assembly don't exist. A larger number means more attenuation. The scale, like the decibel scale for sound, is logarithmic.
Threshold of Hearing	The lowest sound that can be perceived by the human auditory system, generally considered to be 0 dB for persons with perfect hearing.
Threshold of Pain	Approximately 120 dB above the threshold of hearing.
Impulsive	Sound of short duration, usually less than one second, with an abrupt onset and rapid decay.
Simple Tone	Any sound which can be judged as audible as a single pitch or set of single pitches.

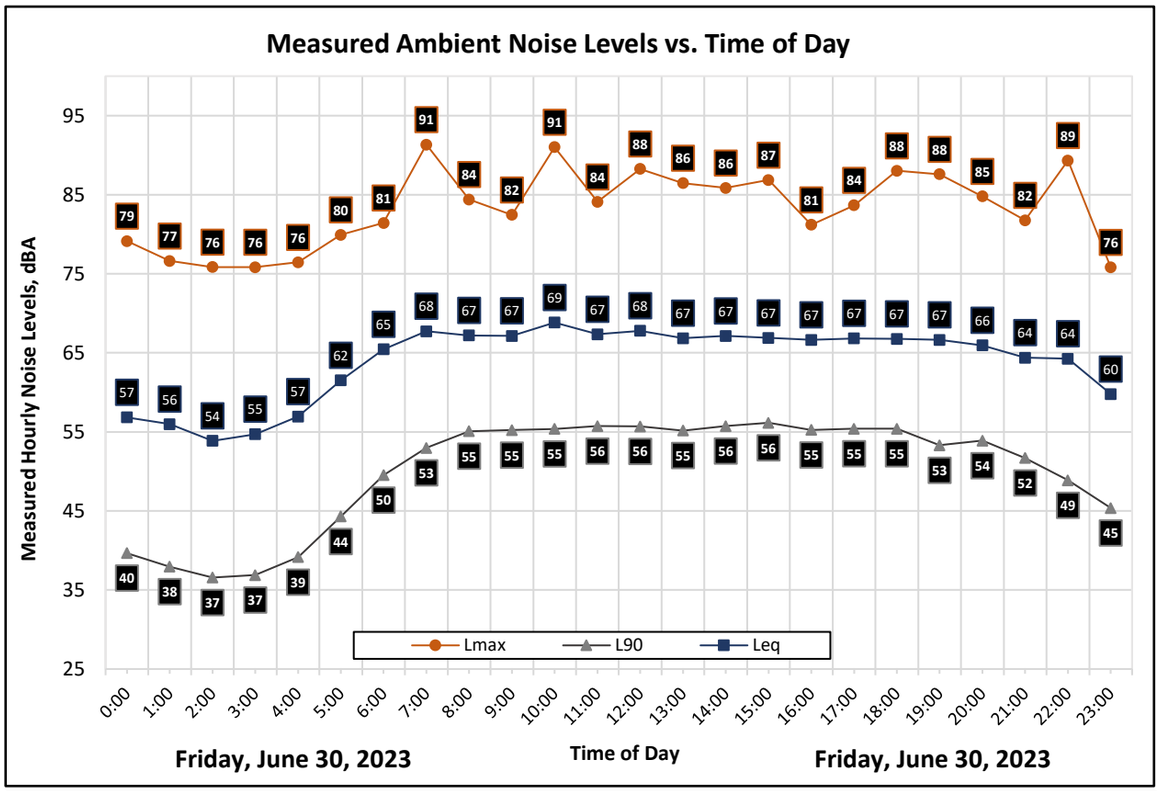
Appendix B: Continuous and Short-Term Ambient Noise Measurement Results

Appendix B1a: Continuous Noise Monitoring Results

Site: LT-1
Project: City of Sausalito Housing Element
Meter: LDL 820-2
Location: Adjacent to Bridgeway Road
Calibrator: CAL200
Coordinates: (37.8703613, -122.5038444)

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Friday, June 30, 2023	0:00	57	79	45	40
Friday, June 30, 2023	1:00	56	77	44	38
Friday, June 30, 2023	2:00	54	76	41	37
Friday, June 30, 2023	3:00	55	76	40	37
Friday, June 30, 2023	4:00	57	76	43	39
Friday, June 30, 2023	5:00	62	80	51	44
Friday, June 30, 2023	6:00	65	81	59	50
Friday, June 30, 2023	7:00	68	91	62	53
Friday, June 30, 2023	8:00	67	84	64	55
Friday, June 30, 2023	9:00	67	82	65	55
Friday, June 30, 2023	10:00	69	91	65	55
Friday, June 30, 2023	11:00	67	84	65	56
Friday, June 30, 2023	12:00	68	88	65	56
Friday, June 30, 2023	13:00	67	86	64	55
Friday, June 30, 2023	14:00	67	86	65	56
Friday, June 30, 2023	15:00	67	87	64	56
Friday, June 30, 2023	16:00	67	81	64	55
Friday, June 30, 2023	17:00	67	84	65	55
Friday, June 30, 2023	18:00	67	88	64	55
Friday, June 30, 2023	19:00	67	88	63	53
Friday, June 30, 2023	20:00	66	85	63	54
Friday, June 30, 2023	21:00	64	82	61	52
Friday, June 30, 2023	22:00	64	89	58	49
Friday, June 30, 2023	23:00	60	76	51	45

Statistics	Leq	Lmax	L50	L90
Day Average	67	86	64	55
Night Average	60	79	48	42
Day Low	64	81	61	52
Day High	69	91	65	56
Night Low	54	76	40	37
Night High	65	89	59	50
Ldn	68	Day %		91
CNEL	69	Night %		9

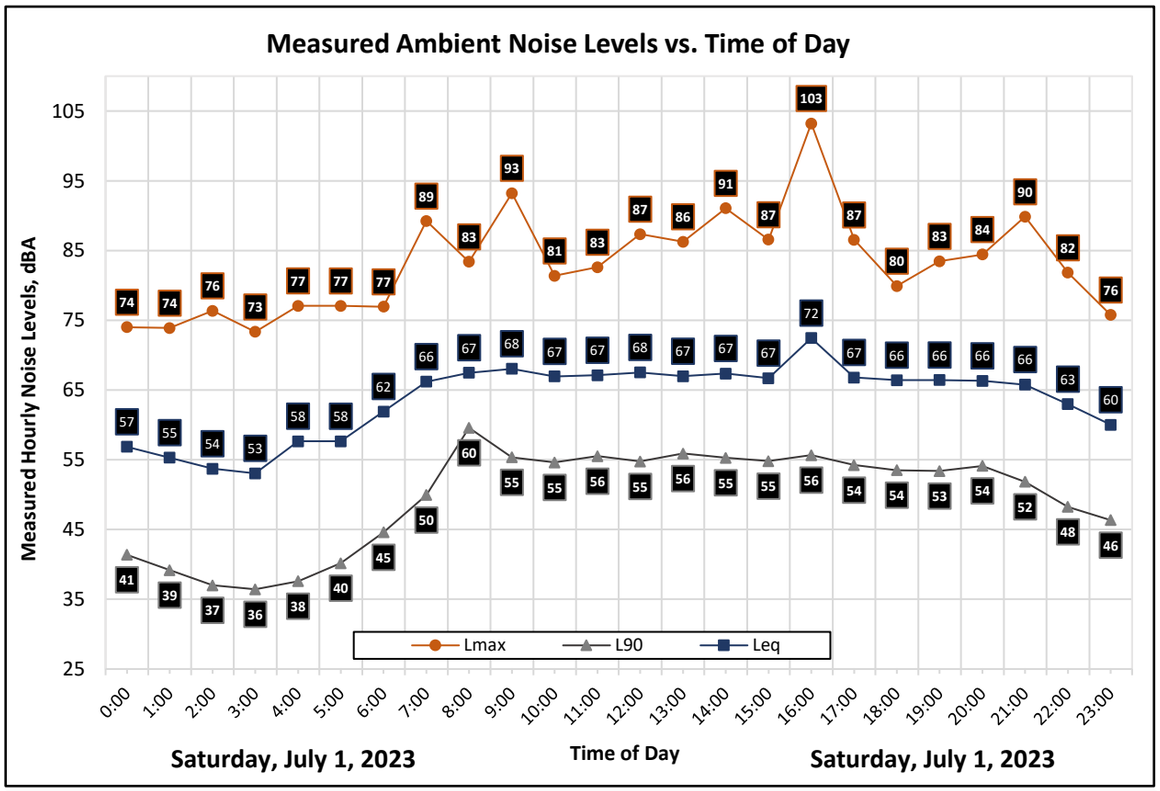


Appendix B1b: Continuous Noise Monitoring Results

Site: LT-1
Project: City of Sausalito Housing Element
Location: Adjacent to Bridgeway Road
Coordinates: (37.8703613, -122.5038444)
Meter: LDL 820-2
Calibrator: CAL200

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Saturday, July 1, 2023	0:00	57	74	48	41
Saturday, July 1, 2023	1:00	55	74	44	39
Saturday, July 1, 2023	2:00	54	76	42	37
Saturday, July 1, 2023	3:00	53	73	40	36
Saturday, July 1, 2023	4:00	58	77	42	38
Saturday, July 1, 2023	5:00	58	77	45	40
Saturday, July 1, 2023	6:00	62	77	52	45
Saturday, July 1, 2023	7:00	66	89	59	50
Saturday, July 1, 2023	8:00	67	83	64	60
Saturday, July 1, 2023	9:00	68	93	64	55
Saturday, July 1, 2023	10:00	67	81	64	55
Saturday, July 1, 2023	11:00	67	83	66	56
Saturday, July 1, 2023	12:00	68	87	65	55
Saturday, July 1, 2023	13:00	67	86	65	56
Saturday, July 1, 2023	14:00	67	91	64	55
Saturday, July 1, 2023	15:00	67	87	64	55
Saturday, July 1, 2023	16:00	72	103	65	56
Saturday, July 1, 2023	17:00	67	87	64	54
Saturday, July 1, 2023	18:00	66	80	64	54
Saturday, July 1, 2023	19:00	66	83	64	53
Saturday, July 1, 2023	20:00	66	84	63	54
Saturday, July 1, 2023	21:00	66	90	62	52
Saturday, July 1, 2023	22:00	63	82	58	48
Saturday, July 1, 2023	23:00	60	76	53	46

Statistics	Leq	Lmax	L50	L90
Day Average	68	87	64	55
Night Average	58	76	47	41
Day Low	66	80	59	50
Day High	72	103	66	60
Night Low	53	73	40	36
Night High	62	82	58	48
Ldn	68	Day %		95
CNEL	68	Night %		5

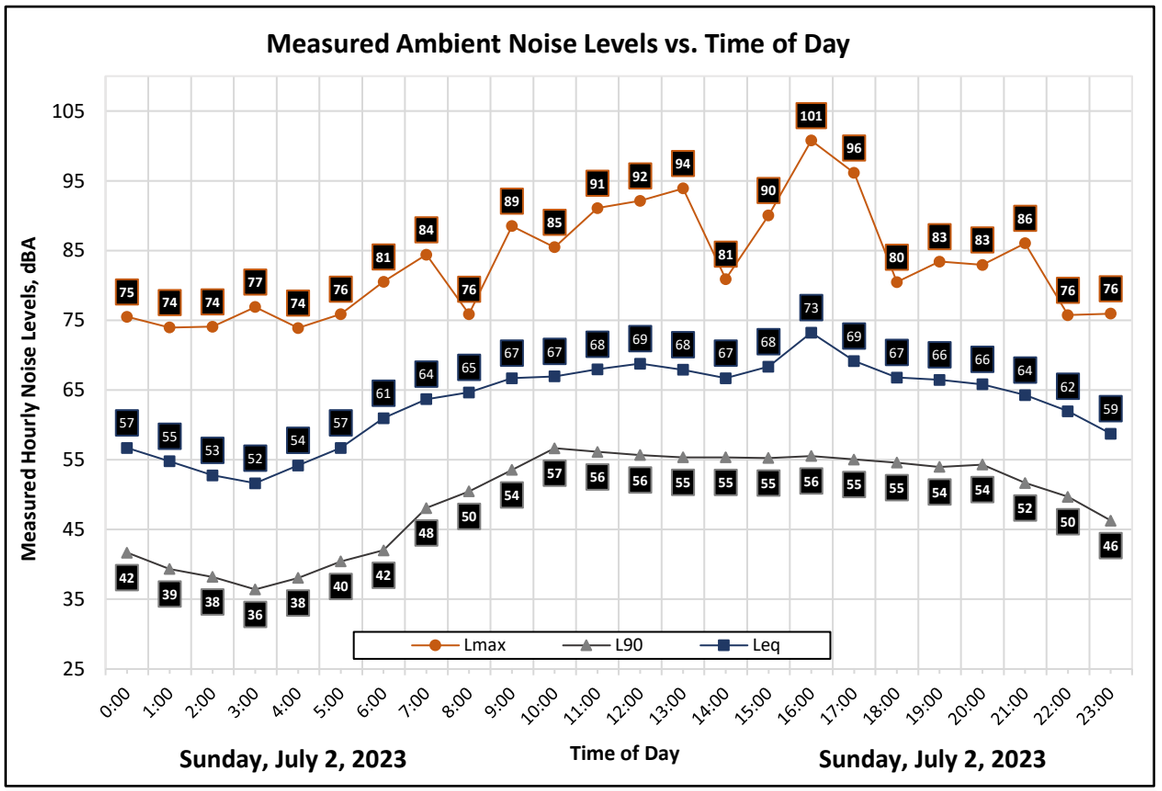


Appendix B1c: Continuous Noise Monitoring Results

Site: LT-1
Project: City of Sausalito Housing Element
Location: Adjacent to Bridgeway Road
Coordinates: (37.8703613, -122.5038444)
Meter: LDL 820-2
Calibrator: CAL200

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Sunday, July 2, 2023	0:00	57	75	46	42
Sunday, July 2, 2023	1:00	55	74	44	39
Sunday, July 2, 2023	2:00	53	74	42	38
Sunday, July 2, 2023	3:00	52	77	40	36
Sunday, July 2, 2023	4:00	54	74	41	38
Sunday, July 2, 2023	5:00	57	76	45	40
Sunday, July 2, 2023	6:00	61	81	49	42
Sunday, July 2, 2023	7:00	64	84	57	48
Sunday, July 2, 2023	8:00	65	76	60	50
Sunday, July 2, 2023	9:00	67	89	62	54
Sunday, July 2, 2023	10:00	67	85	64	57
Sunday, July 2, 2023	11:00	68	91	65	56
Sunday, July 2, 2023	12:00	69	92	65	56
Sunday, July 2, 2023	13:00	68	94	65	55
Sunday, July 2, 2023	14:00	67	81	65	55
Sunday, July 2, 2023	15:00	68	90	65	55
Sunday, July 2, 2023	16:00	73	101	65	56
Sunday, July 2, 2023	17:00	69	96	64	55
Sunday, July 2, 2023	18:00	67	80	65	55
Sunday, July 2, 2023	19:00	66	83	64	54
Sunday, July 2, 2023	20:00	66	83	63	54
Sunday, July 2, 2023	21:00	64	86	61	52
Sunday, July 2, 2023	22:00	62	76	57	50
Sunday, July 2, 2023	23:00	59	76	51	46

Statistics	Leq	Lmax	L50	L90
Day Average	68	87	63	54
Night Average	57	76	46	41
Day Low	64	76	57	48
Day High	73	101	65	57
Night Low	52	74	40	36
Night High	61	81	57	50
Ldn	67	Day %		96
CNEL	68	Night %		4

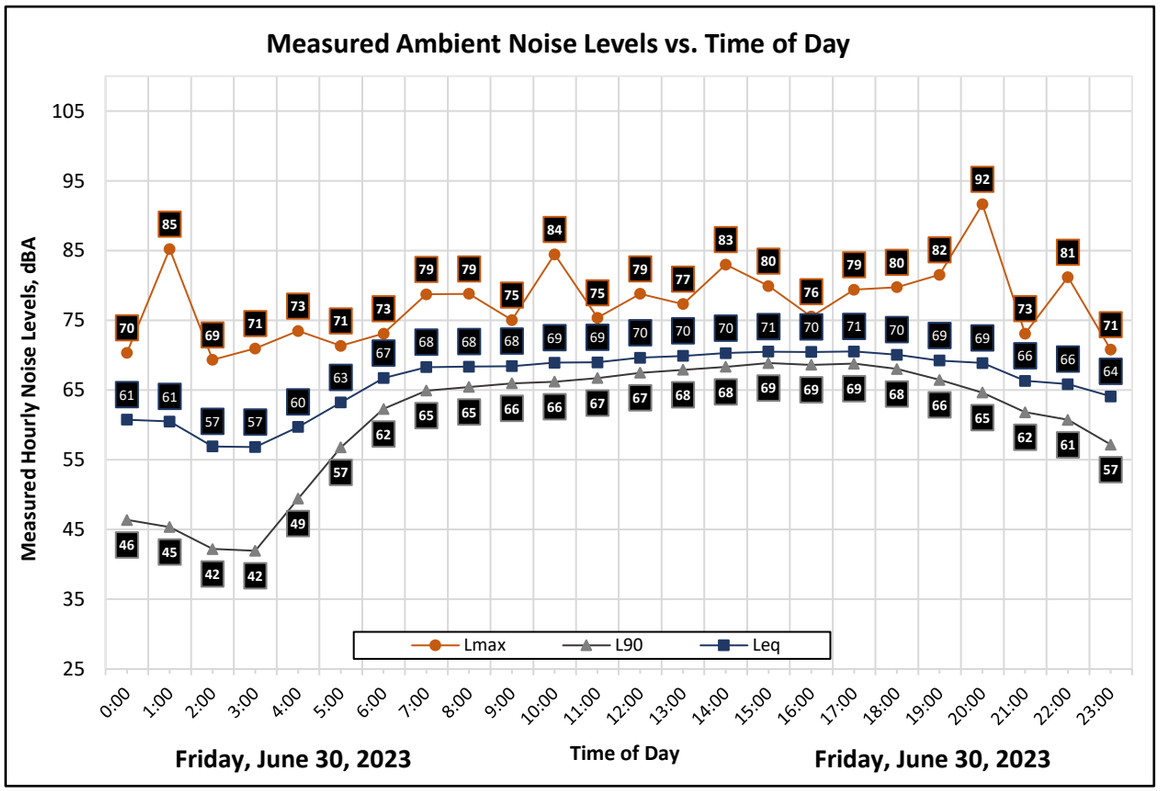


Appendix B2a: Continuous Noise Monitoring Results

Site: LT-2
Project: City of Sausalito Housing Element
Meter: LDL 820-3
Location: Adjacent to U.S Route 101
Calibrator: CAL200
Coordinates: (37.8515093, -122.4899435)

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Friday, June 30, 2023	0:00	61	70	59	46
Friday, June 30, 2023	1:00	61	85	56	45
Friday, June 30, 2023	2:00	57	69	52	42
Friday, June 30, 2023	3:00	57	71	52	42
Friday, June 30, 2023	4:00	60	73	58	49
Friday, June 30, 2023	5:00	63	71	62	57
Friday, June 30, 2023	6:00	67	73	66	62
Friday, June 30, 2023	7:00	68	79	68	65
Friday, June 30, 2023	8:00	68	79	68	65
Friday, June 30, 2023	9:00	68	75	68	66
Friday, June 30, 2023	10:00	69	84	69	66
Friday, June 30, 2023	11:00	69	75	69	67
Friday, June 30, 2023	12:00	70	79	69	67
Friday, June 30, 2023	13:00	70	77	70	68
Friday, June 30, 2023	14:00	70	83	70	68
Friday, June 30, 2023	15:00	71	80	70	69
Friday, June 30, 2023	16:00	70	76	70	69
Friday, June 30, 2023	17:00	71	79	70	69
Friday, June 30, 2023	18:00	70	80	70	68
Friday, June 30, 2023	19:00	69	82	69	66
Friday, June 30, 2023	20:00	69	92	68	65
Friday, June 30, 2023	21:00	66	73	66	62
Friday, June 30, 2023	22:00	66	81	65	61
Friday, June 30, 2023	23:00	64	71	63	57

Statistics	Leq	Lmax	L50	L90
Day Average	69	79	69	67
Night Average	62	74	59	51
Day Low	66	73	66	62
Day High	71	92	70	69
Night Low	57	69	52	42
Night High	67	85	66	62
Ldn	70	Day %		91
CNEL	71	Night %		9

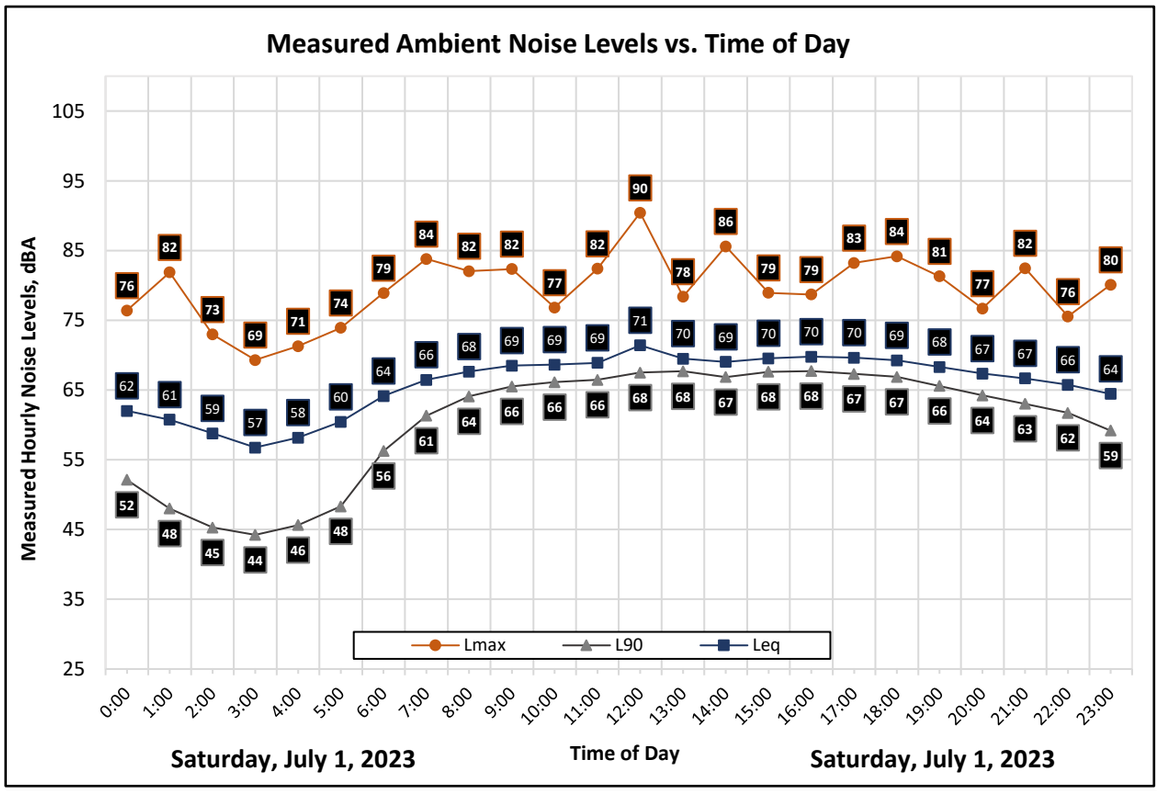


Appendix B2b: Continuous Noise Monitoring Results

Site: LT-2
Project: City of Sausalito Housing Element
Meter: LDL 820-3
Location: Adjacent to U.S Route 101
Calibrator: CAL200
Coordinates: (37.8515093, -122.4899435)

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Saturday, July 1, 2023	0:00	62	76	60	52
Saturday, July 1, 2023	1:00	61	82	58	48
Saturday, July 1, 2023	2:00	59	73	56	45
Saturday, July 1, 2023	3:00	57	69	53	44
Saturday, July 1, 2023	4:00	58	71	55	46
Saturday, July 1, 2023	5:00	60	74	58	48
Saturday, July 1, 2023	6:00	64	79	63	56
Saturday, July 1, 2023	7:00	66	84	66	61
Saturday, July 1, 2023	8:00	68	82	67	64
Saturday, July 1, 2023	9:00	69	82	68	66
Saturday, July 1, 2023	10:00	69	77	69	66
Saturday, July 1, 2023	11:00	69	82	69	66
Saturday, July 1, 2023	12:00	71	90	69	68
Saturday, July 1, 2023	13:00	70	78	69	68
Saturday, July 1, 2023	14:00	69	86	69	67
Saturday, July 1, 2023	15:00	70	79	69	68
Saturday, July 1, 2023	16:00	70	79	70	68
Saturday, July 1, 2023	17:00	70	83	69	67
Saturday, July 1, 2023	18:00	69	84	69	67
Saturday, July 1, 2023	19:00	68	81	68	66
Saturday, July 1, 2023	20:00	67	77	67	64
Saturday, July 1, 2023	21:00	67	82	66	63
Saturday, July 1, 2023	22:00	66	76	65	62
Saturday, July 1, 2023	23:00	64	80	64	59

Statistics	Leq	Lmax	L50	L90
Day Average	69	82	68	66
Night Average	61	76	59	51
Day Low	66	77	66	61
Day High	71	90	70	68
Night Low	57	69	53	44
Night High	64	82	65	62
Ldn	70	Day %		91
CNEL	70	Night %		9

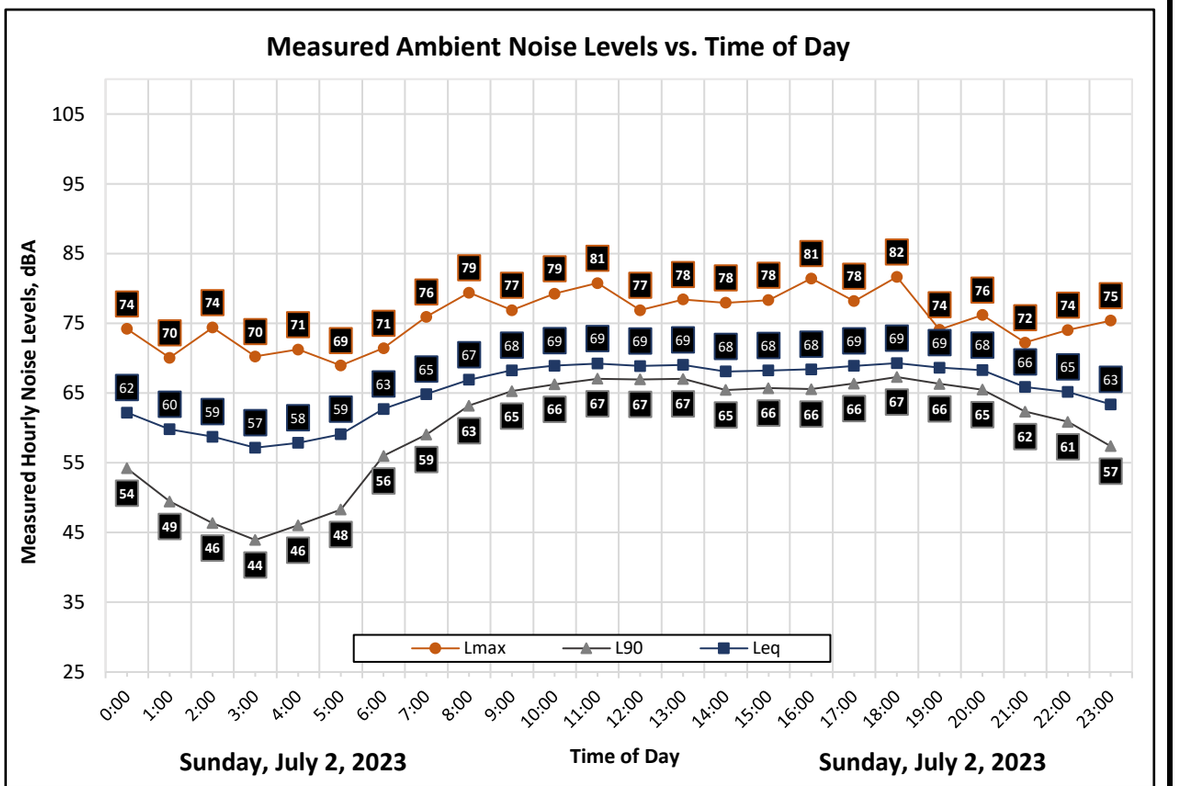


Appendix B2c: Continuous Noise Monitoring Results

Site: LT-2
Project: City of Sausalito Housing Element
Meter: LDL 820-3
Location: Adjacent to U.S Route 101
Calibrator: CAL200
Coordinates: (37.8515093, -122.4899435)

Date	Time	Measured Level, dBA			
		L_{eq}	L_{max}	L_{50}	L_{90}
Sunday, July 2, 2023	0:00	62	74	61	54
Sunday, July 2, 2023	1:00	60	70	58	49
Sunday, July 2, 2023	2:00	59	74	56	46
Sunday, July 2, 2023	3:00	57	70	54	44
Sunday, July 2, 2023	4:00	58	71	55	46
Sunday, July 2, 2023	5:00	59	69	57	48
Sunday, July 2, 2023	6:00	63	71	62	56
Sunday, July 2, 2023	7:00	65	76	64	59
Sunday, July 2, 2023	8:00	67	79	67	63
Sunday, July 2, 2023	9:00	68	77	68	65
Sunday, July 2, 2023	10:00	69	79	69	66
Sunday, July 2, 2023	11:00	69	81	69	67
Sunday, July 2, 2023	12:00	69	77	69	67
Sunday, July 2, 2023	13:00	69	78	69	67
Sunday, July 2, 2023	14:00	68	78	68	65
Sunday, July 2, 2023	15:00	68	78	68	66
Sunday, July 2, 2023	16:00	68	81	68	66
Sunday, July 2, 2023	17:00	69	78	69	66
Sunday, July 2, 2023	18:00	69	82	69	67
Sunday, July 2, 2023	19:00	69	74	68	66
Sunday, July 2, 2023	20:00	68	76	68	65
Sunday, July 2, 2023	21:00	66	72	65	62
Sunday, July 2, 2023	22:00	65	74	65	61
Sunday, July 2, 2023	23:00	63	75	63	57

Statistics	Leq	Lmax	L50	L90
Day Average	68	78	68	65
Night Average	61	72	59	51
Day Low	65	72	64	59
Day High	69	82	69	67
Night Low	57	69	54	44
Night High	63	75	65	61
Ldn	69	Day %		91
CNEL	70	Night %		9



Appendix B3 : Short Term Noise Monitoring Results

Site: ST-1
Project: City of Sausalito Housing Element Update
Meter: LDL 831-5
Location: 11 Tomales St
Calibrator: CAL200
Coordinates: (37.8647639, -122.5008902)

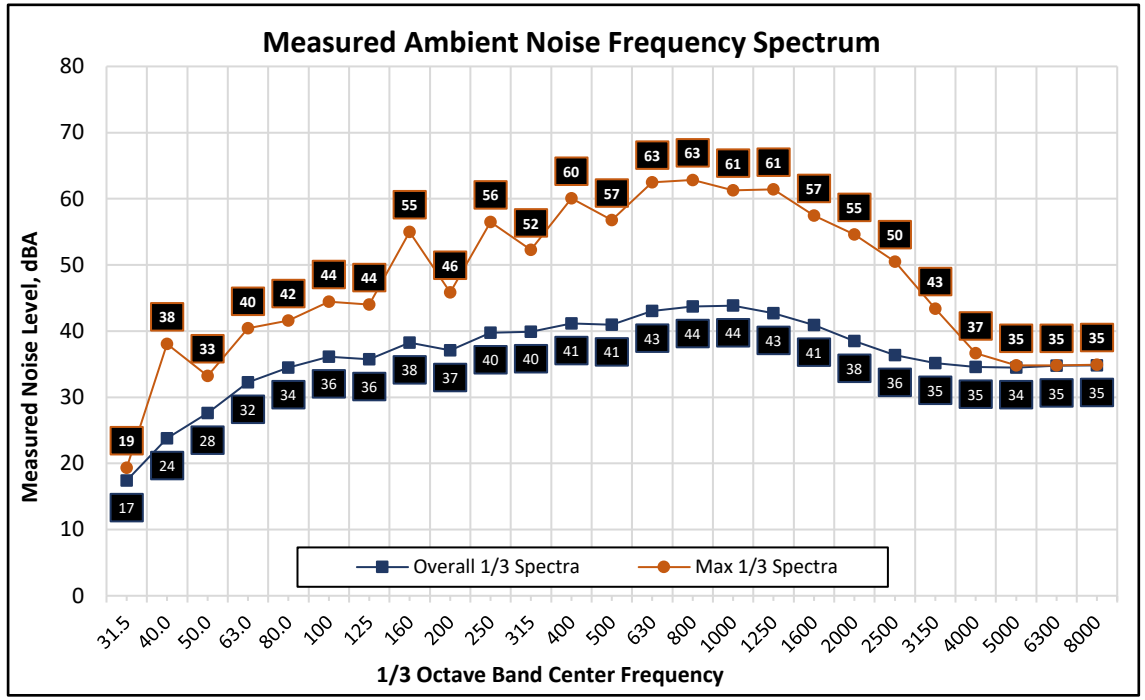
Start: 2023-06-29 14:54:27
Stop: 2023-06-29 15:04:27
SLM: Model 831
Serial: 2658

Measurement Results, dBA

Duration:	0:10
L_{eq}:	52
L_{max}:	70
L_{min}:	46
L_{50}:	49
L_{90}:	47

Notes

Primary noise source is traffic on local roadway network.
Secondary source is distant traffic noise from major roadways.



Appendix B4 : Short Term Noise Monitoring Results

Site: ST-2
Project: City of Sausalito Housing Element Update
Meter: LDL 831-5
Location: Bridgeway
Calibrator: CAL200
Coordinates: (37.8608377, -122.4864620)

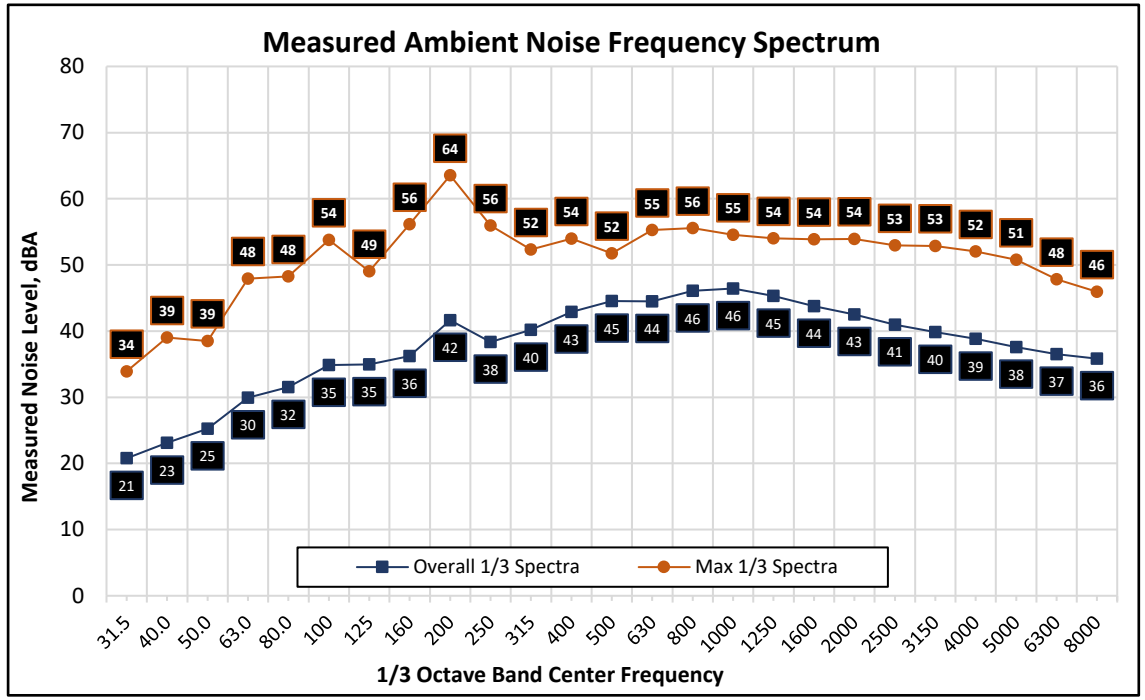
Start: 2023-06-29 14:30:09
Stop: 2023-06-29 14:40:00
SLM: Model 831
Serial: 2658

Measurement Results, dBA

Duration:	0:09
L_{eq}:	55
L_{max}:	68
L_{min}:	51
L_{50}:	54
L_{90}:	53

Notes

Primary noise source is traffic on Bridgeway.



Appendix B5 : Short Term Noise Monitoring Results

Site: ST-3
Project: City of Sausalito Housing Element Update
Meter: LDL 831-5
Location: Bulkley Avenue
Calibrator: CAL200
Coordinates: (37.8647639, -122.5008902)

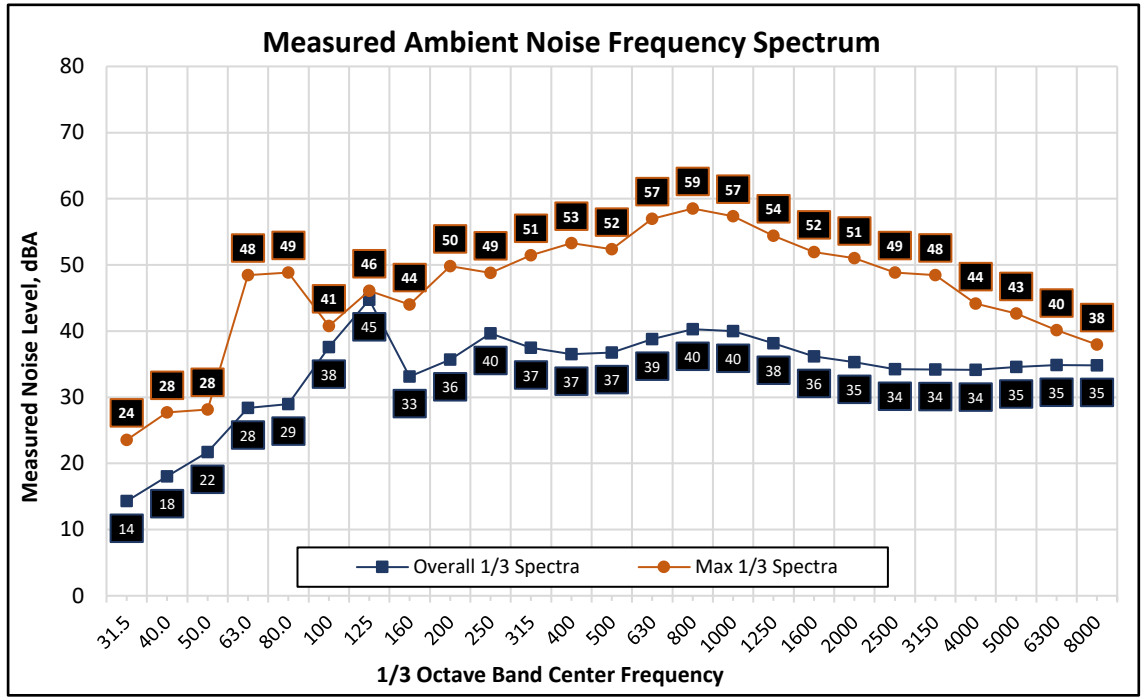
Start: 2023-06-29 15:21:46
Stop: 2023-06-29 15:31:46
SLM: Model 831
Serial: 2658

Measurement Results, dBA

Duration:	0:10
L_{eq}:	50
L_{max}:	65
L_{min}:	39
L_{50}:	40
L_{90}:	40

Notes

Primary noise source is traffic on Bulkley Avenue. Secondary noise source is nature sounds.



Appendix B6 : Short Term Noise Monitoring Results

Site: ST-4
Project: City of Sausalito Housing Element Update
Meter: LDL 831-5
Location: Sausalito Boulevard
Calibrator: CAL200
Coordinates: (37.8512143, -122.4858735)

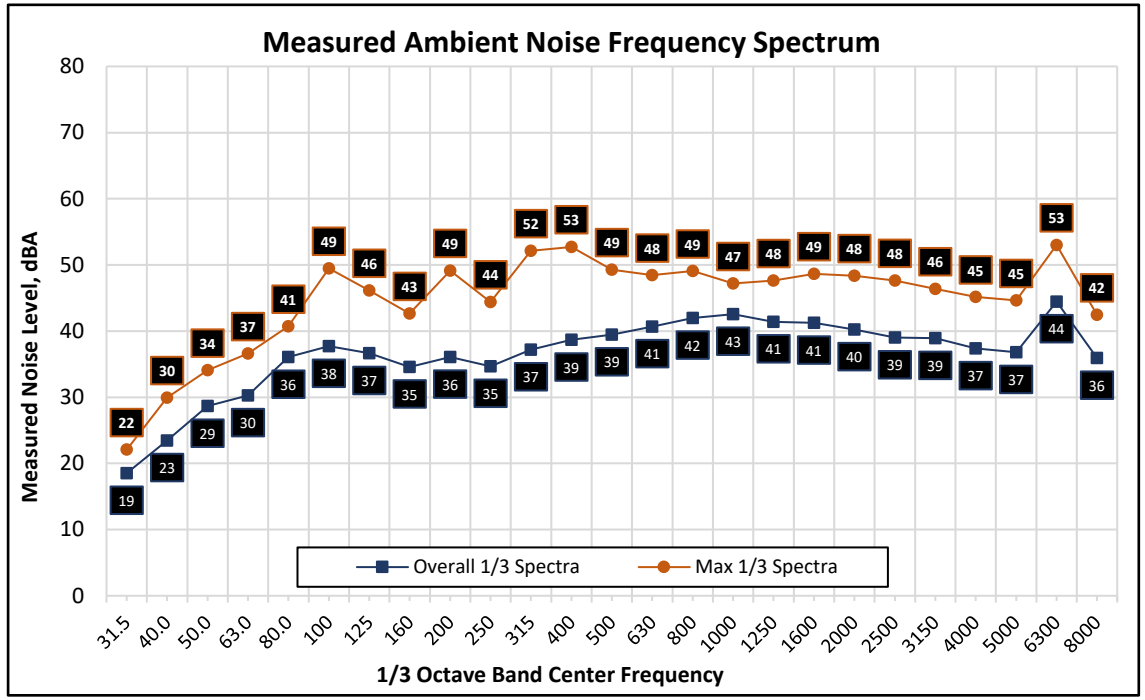
Start: 2023-06-29 15:40:17
Stop: 2023-06-29 15:50:17
SLM: Model 831
Serial: 2658

Measurement Results, dBA

Duration:	0:10
L_{eq}:	57
L_{max}:	76
L_{min}:	45
L_{50}:	48
L_{90}:	46

Notes

Primary noise source is traffic on Sausalito Boulevard. Traffic noise from Highway 101 was observed during measurement.



Appendix B7 : Short Term Noise Monitoring Results

Site: ST-5
Project: City of Sausalito Housing Element Update
Meter: LDL 831-5
Location: Lower Crescent Avenue
Calibrator: CAL200
Coordinates: (37.8512143, -122.4858735)

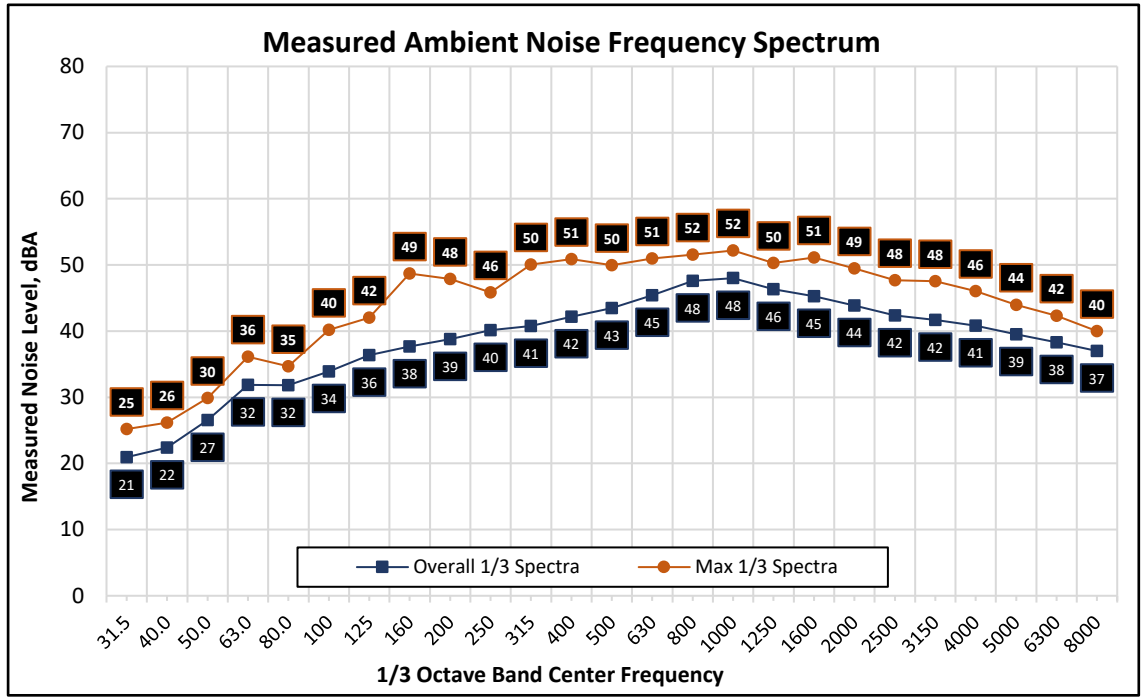
Start: 2023-06-29 15:55:45
Stop: 2023-06-29 16:05:45
SLM: Model 831
Serial: 2658

Measurement Results, dBA

Duration:	0:10
L_{eq}:	56
L_{max}:	61
L_{min}:	53
L_{50}:	55
L_{90}:	54

Notes

Primary noise source is traffic on Highway 101.



Appendix C: Traffic Noise Calculation Inputs and Results

Appendix C-1

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 230522
Description: City of Sausalito Housing Element - Existing Traffic
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Bridgeway SO US 101	South of US 101	28,143	91	0	9	1.0%	1.0%	35	50	-5	164	76	35	62.7
2	Bridgeway SO Coloma	South of Coloma St.	28,404	91	0	9	1.0%	1.0%	35	50	0	165	77	36	67.8
3	Bridgeway NO Marins	North of Marinship Way	23,463	91	0	9	1.0%	1.0%	35	50	0	145	68	31	67.0
4	Bridgeway NO Napa S	North of Napa St.	21,210	91	0	9	1.0%	1.0%	35	50	0	136	63	29	66.5
5	Bridgeway NO Ancho	North of Anchor St.	11,258	91	0	9	1.0%	1.0%	35	50	-5	89	41	19	58.8
6	Coloma St WO Bridge	West of Bridgeway	867	91	0	9	1.0%	1.0%	25	50	-5	11	5	2	45.0
7	Coloma St EO Bridgev	East of Bridgeway	182	91	0	9	1.0%	1.0%	25	50	-5	4	2	1	38.2
8	Bulkley Ave EO Santa	East of Santa Rosa Avenue	120	91	0	9	1.0%	1.0%	25	50	0	3	1	1	41.4
9	Bulkley Ave WO Harri	West of Harrison Ave.	422	91	0	9	1.0%	1.0%	25	50	-5	7	3	1	41.8

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Appendix C-2

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 230522
Description: City of Sausalito Housing Element - Existing Traffic Plus Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Bridgeway SO US 101	South of US 101	29,727	91	0	9	1.0%	1.0%	35	50	-5	170	79	37	63.0
2	Bridgeway SO Coloma	South of Coloma St.	29,921	91	0	9	1.0%	1.0%	35	50	0	171	79	37	68.0
3	Bridgeway NO Marins	North of Marinship Way	24,651	91	0	9	1.0%	1.0%	35	50	0	150	70	32	67.2
4	Bridgeway NO Napa S	North of Napa St.	22,432	91	0	9	1.0%	1.0%	35	50	0	141	66	30	66.8
5	Bridgeway NO Ancho	North of Anchor St.	12,798	91	0	9	1.0%	1.0%	35	50	-5	97	45	21	59.3
6	Coloma St WO Bridge	West of Bridgeway	951	91	0	9	1.0%	1.0%	25	50	-5	11	5	2	45.4
7	Coloma St EO Bridgev	East of Bridgeway	177	91	0	9	1.0%	1.0%	25	50	-5	4	2	1	38.1
8	Bulkley Ave EO Santa	East of Santa Rosa Avenue	175	91	0	9	1.0%	1.0%	25	50	0	4	2	1	43.0
9	Bulkley Ave WO Harri	West of Harrison Ave.	418	91	0	9	1.0%	1.0%	25	50	-5	7	3	1	41.8

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Appendix C-3

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 230522
Description: City of Sausalito Housing Element - Cumulative Traffic
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Bridgeway SO US 101	South of US 101	31,514	91	0	9	1.0%	1.0%	35	50	-5	177	82	38	63.2
2	Bridgeway SO Coloma	South of Coloma St.	31,606	91	0	9	1.0%	1.0%	35	50	0	177	82	38	68.3
3	Bridgeway NO Marins	North of Marinship Way	26,364	91	0	9	1.0%	1.0%	35	50	0	157	73	34	67.5
4	Bridgeway NO Napa S	North of Napa St.	24,332	91	0	9	1.0%	1.0%	35	50	0	149	69	32	67.1
5	Bridgeway NO Ancho	North of Anchor St.	12,156	91	0	9	1.0%	1.0%	35	50	-5	94	44	20	59.1
6	Coloma St WO Bridge	West of Bridgeway	859	91	0	9	1.0%	1.0%	25	50	-5	11	5	2	44.9
7	Coloma St EO Bridgev	East of Bridgeway	253	91	0	9	1.0%	1.0%	25	50	-5	5	2	1	39.6
8	Bulkley Ave EO Santa	East of Santa Rosa Avenue	639	91	0	9	1.0%	1.0%	25	50	0	9	4	2	48.6
9	Bulkley Ave WO Harri	West of Harrison Ave.	476	91	0	9	1.0%	1.0%	25	50	-5	7	3	2	42.4

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Appendix C-4

FHWA-RD-77-108 Highway Traffic Noise Prediction Model

Project #: 230522
Description: City of Sausalito Housing Element - Cumulative Traffic Plus Project
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No Offset 60 dBA	65 dBA	70 dBA	Level, dBA
1	Bridgeway SO US 101	South of US 101	32,609	91	0	9	1.0%	1.0%	35	50	-5	181	84	39	63.4
2	Bridgeway SO Coloma	South of Coloma St.	32,790	91	0	9	1.0%	1.0%	35	50	0	182	84	39	68.4
3	Bridgeway NO Marins	North of Marinship Way	27,480	91	0	9	1.0%	1.0%	35	50	0	162	75	35	67.6
4	Bridgeway NO Napa S	North of Napa St.	25,410	91	0	9	1.0%	1.0%	35	50	0	153	71	33	67.3
5	Bridgeway NO Ancho	North of Anchor St.	14,048	91	0	9	1.0%	1.0%	35	50	-5	103	48	22	59.7
6	Coloma St WO Bridge	West of Bridgeway	814	91	0	9	1.0%	1.0%	25	50	-5	10	5	2	44.7
7	Coloma St EO Bridgev	East of Bridgeway	192	91	0	9	1.0%	1.0%	25	50	-5	4	2	1	38.4
8	Bulkley Ave EO Santa	East of Santa Rosa Avenue	444	91	0	9	1.0%	1.0%	25	50	0	7	3	1	47.1
9	Bulkley Ave WO Harri	West of Harrison Ave.	431	91	0	9	1.0%	1.0%	25	50	-5	7	3	1	41.9

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