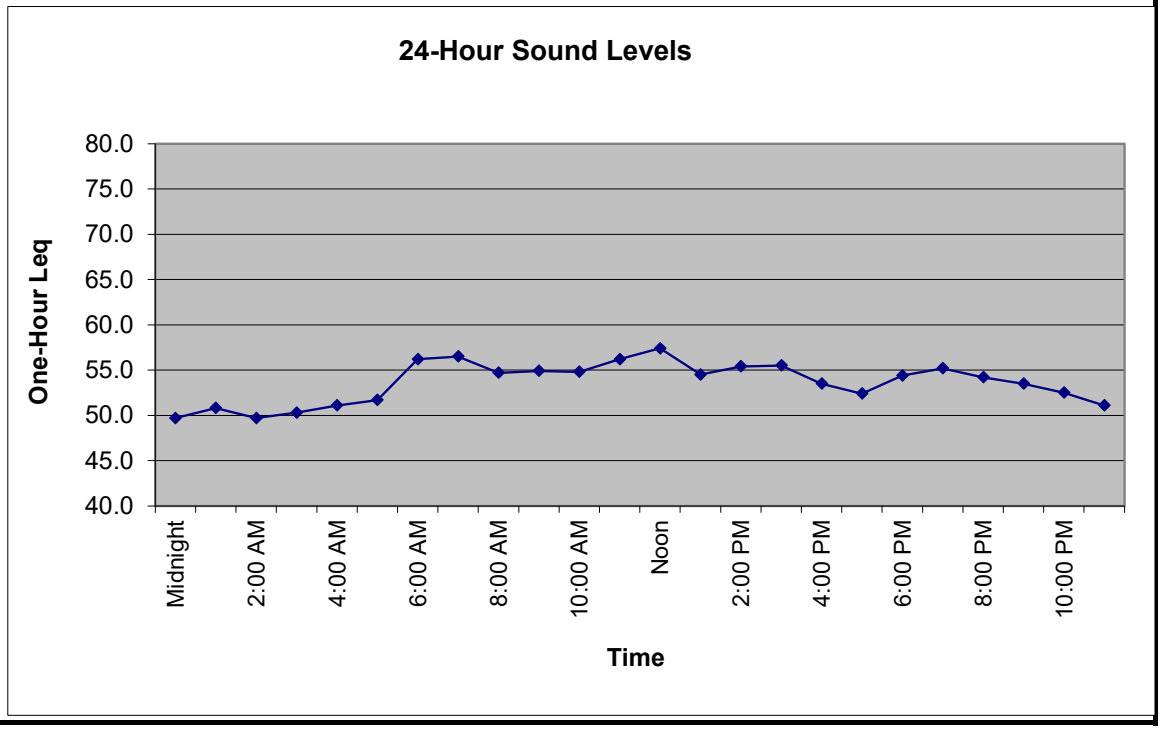
Appendix 3.6
Noise Data

Noise Appendix

Long Term Measurement Data

Ldn/CNEL Calculation Spreadsheet

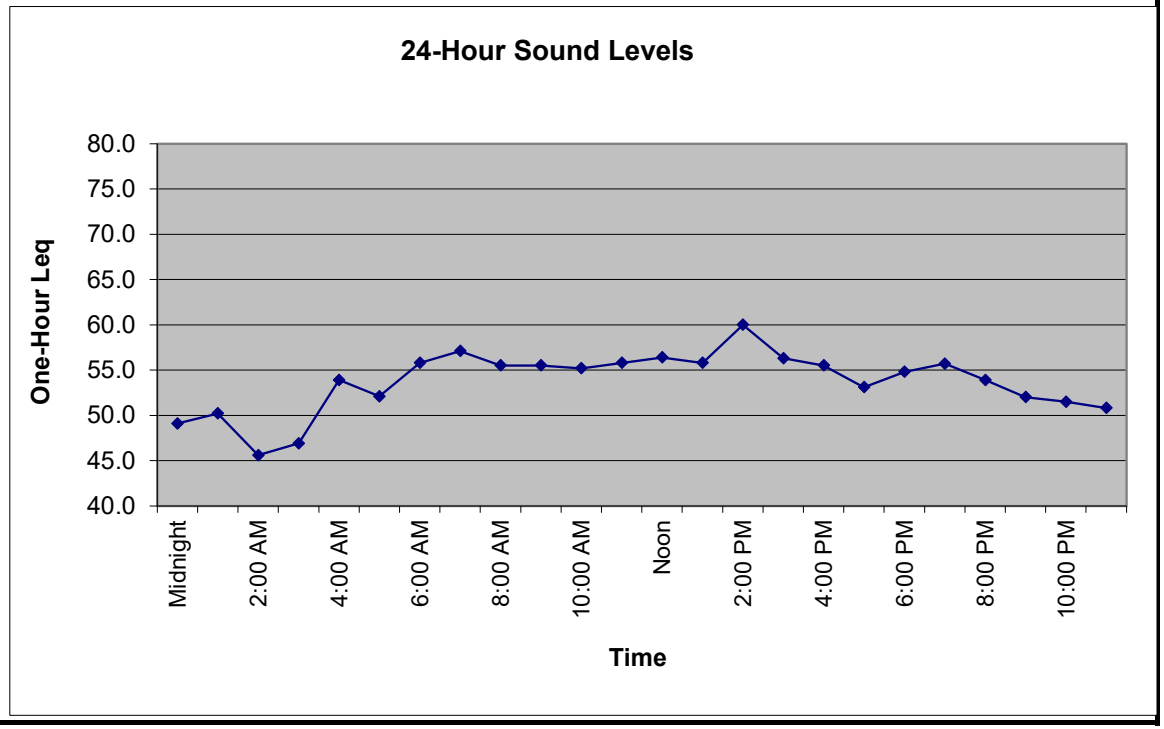
Project:	Mission Point (Kylli)		Date:	10/5/2022	Analyst:	Schumaker, N		
Location:	LT-1							
Time	Wednesday 10/5/2022	Leq(24)	Ldn	CNEL	Worst Hour Leq	Ldn minus Worst Hour Leq	CNEL minus Ldn	Day
Midnight	49.7	54.1	59.0	59.4	57.4	1.6	0.4	Evening
1:00 AM	50.8		2.5	2.9				Night
2:00 AM	49.7							
3:00 AM	50.3							
4:00 AM	51.1							
5:00 AM	51.7							
6:00 AM	56.2							
7:00 AM	56.5							
8:00 AM	54.7							
9:00 AM	54.9							
10:00 AM	54.8							
11:00 AM	56.2							
Noon	57.4							
1:00 PM	54.5							
2:00 PM	55.4							
3:00 PM	55.5							
4:00 PM	53.5							
5:00 PM	52.4							
6:00 PM	54.4							
7:00 PM	55.2							
8:00 PM	54.2							
9:00 PM	53.5							
10:00 PM	52.5							
11:00 PM	51.1							



Ldn	59.0
Worst Hour Leq	57.4
Lowest Hour LEQ	49.7
12-hour Leq	55.2

Ldn/CNEL Calculation Spreadsheet

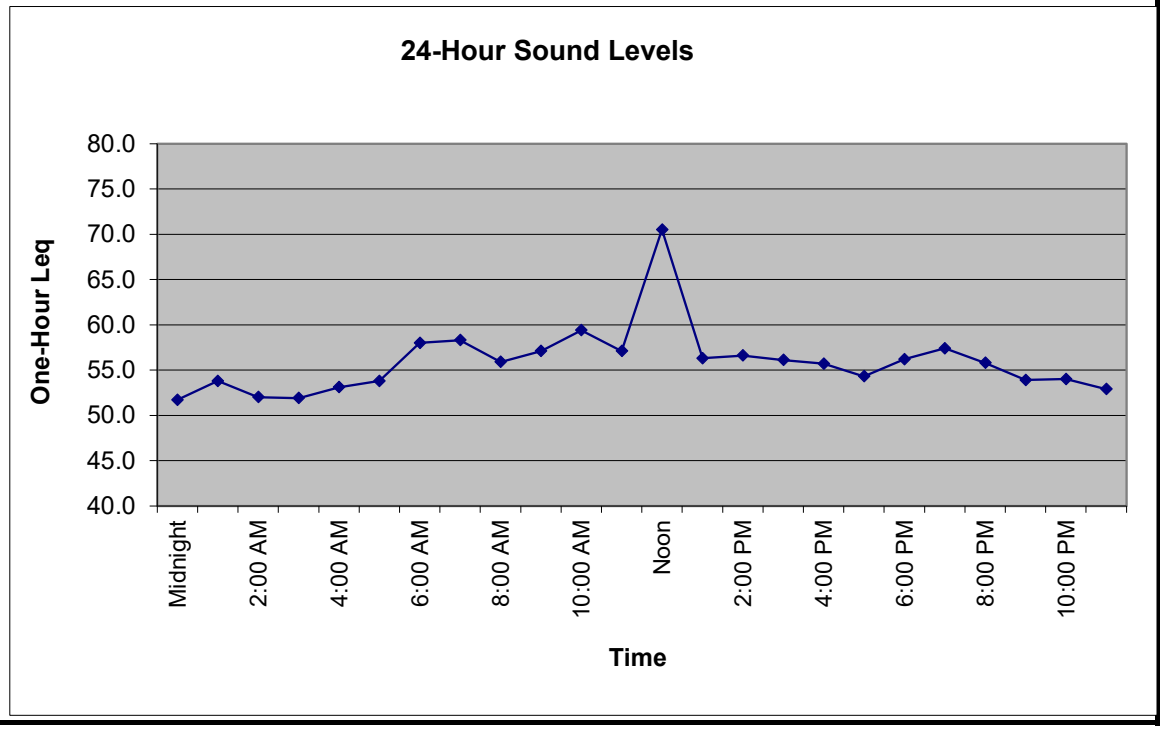
Project:	Mission Point (Kylli)		Date:	10/5/2022	Analyst:	Schumaker, N		
Location:	LT-2							
Time	Wednesday 10/5/2022	Leq(24)	Ldn	CNEL	Worst Hour Leq	Ldn minus Worst Hour Leq	CNEL minus Ldn	Day
Midnight	49.1	54.7	59.0	59.4	60.0	-1.0	0.4	Evening
1:00 AM	50.2		1.9	2.3				Night
2:00 AM	45.6							
3:00 AM	46.9							
4:00 AM	53.9							
5:00 AM	52.1							
6:00 AM	55.8							
7:00 AM	57.1							
8:00 AM	55.5							
9:00 AM	55.5							
10:00 AM	55.2							
11:00 AM	55.8							
Noon	56.4							
1:00 PM	55.8							
2:00 PM	60.0							
3:00 PM	56.3							
4:00 PM	55.5							
5:00 PM	53.1							
6:00 PM	54.8							
7:00 PM	55.7							
8:00 PM	53.9							
9:00 PM	52.0							
10:00 PM	51.5							
11:00 PM	50.8							



Ldn	59.0
Worst Hour Leq	60.0
Lowest Hour LEQ	45.6
12-hour Leq	56.2

Ldn/CNEL Calculation Spreadsheet

Project:	Mission Point (Kylli)		Date:	10/5/2022	Analyst:	Schumaker, N		
Location:	LT-3							
Time	Wednesday 10/5/2022	Leq(24)	Ldn	CNEL	Worst Hour Leq	Ldn minus Worst Hour Leq	CNEL minus Ldn	Day
Midnight	51.7	59.2	62.2	62.5	70.5	-8.3	0.3	Evening
1:00 AM	53.8		3.9	4.2				Night
2:00 AM	52.0							
3:00 AM	51.9							
4:00 AM	53.1							
5:00 AM	53.8							
6:00 AM	58.0							
7:00 AM	58.3							
8:00 AM	55.9							
9:00 AM	57.1							
10:00 AM	59.4							
11:00 AM	57.1							
Noon	70.5							
1:00 PM	56.3							
2:00 PM	56.6							
3:00 PM	56.1							
4:00 PM	55.7							
5:00 PM	54.3							
6:00 PM	56.2							
7:00 PM	57.4							
8:00 PM	55.8							
9:00 PM	53.9							
10:00 PM	54.0							
11:00 PM	52.9							



Ldn	62.2
Worst Hour Leq	70.5
Lowest Hour LEQ	51.7
12-hour Leq	61.4

Start Date	Start Time	Duration	LAeq	LAmax	LAmin	1%	2%	5%	8%	10%	25%	50%	90%	95%	99%
10/5/2022	9:22:13 AM	0:00:01	44.2	49.2	47	132.9	132.9	49.2	49.1	49.1	48.7	48.2	47.2	47.1	47
10/5/2022	9:22:21 AM	0:00:06	45.1	46.3	43.7	46.3	46.2	46	45.8	45.8	45.5	45.2	43.9	43.8	43.7
10/5/2022	9:22:32 AM	0:37:28	59.1	85.2	44.4	71.7	67.7	63.1	60.9	59.4	53.3	49.6	47.7	47.5	47.3
10/5/2022	10:00:02 AM	0:59:58	54.8	79.7	46.7	64.1	63.4	61.4	59	57.5	51.8	49.2	47.7	47.4	47
10/5/2022	11:00:02 AM	0:59:58	56.2	73.1	46.9	67.1	66.1	63.4	60.4	58.6	53	50.3	48.2	48	47.6
10/5/2022	12:00:02 PM	0:59:58	57.4	83.6	47	67.9	66.5	63.7	61	59.4	53.6	50	48.2	48	47.7
10/5/2022	1:00:02 PM	0:59:58	54.5	70.9	46.3	66.1	64.6	61.9	59.5	57.4	50.5	48.7	47.3	47.1	46.8
10/5/2022	2:00:02 PM	0:59:58	55.4	80.2	46.1	65.9	64.7	62.4	60	58.7	52.1	48.8	47	46.8	46.5
10/5/2022	3:00:02 PM	0:59:58	55.5	83	45.9	65.4	64.2	61.8	59.4	58	52.1	49.1	46.8	46.6	46.4
10/5/2022	4:00:02 PM	0:59:58	53.5	69.8	46.1	65.2	63.8	60.8	56.8	54.5	49.7	48.2	47	46.8	46.5
10/5/2022	5:00:02 PM	0:59:58	52.4	68	46.6	63.9	61.9	57	54.5	53.3	50.5	48.9	47.4	47.2	46.9
10/5/2022	6:00:02 PM	0:59:58	54.4	66.9	47.7	64.9	64.1	62	58	56.6	51.8	50.2	48.6	48.3	48
10/5/2022	7:00:02 PM	0:59:58	55.2	68	48.8	65.6	64.6	62.8	60.3	58.6	51.9	50.3	49.5	49.4	49.1
10/5/2022	8:00:02 PM	0:59:58	54.2	69.6	48.5	65.4	64.2	61.2	56.5	54.4	50.7	49.9	49.1	49	48.8
10/5/2022	9:00:02 PM	0:59:58	53.5	76.4	48.2	64.6	61.6	55.1	52.7	52	50.5	49.9	49.1	49	48.6
10/5/2022	10:00:02 PM	0:59:58	52.5	68.6	48.3	64.6	61.2	53.9	52.5	52	50.6	49.8	49.1	49	48.7
10/5/2022	11:00:02 PM	0:59:58	51.1	68.7	47.9	60.6	55.8	51.9	50.9	50.7	50.1	49.4	48.6	48.5	48.2
10/6/2022	12:00:02 AM	0:59:58	49.7	66.3	47.7	54.7	52	50.5	50.3	50.2	49.3	48.8	48.3	48.2	48.1
10/6/2022	1:00:02 AM	0:59:58	50.8	69.7	47.8	59.3	54.9	51.5	50.7	50.5	49.6	49.1	48.5	48.3	48.1
10/6/2022	2:00:02 AM	0:59:58	49.7	66.7	47.6	53.9	51.7	50.7	50.5	50.4	49.5	48.9	48.3	48.1	47.9
10/6/2022	3:00:02 AM	0:59:58	50.3	66.7	48.2	54.4	52.2	51.2	51.1	51	50.1	49.5	48.9	48.7	48.5
10/6/2022	4:00:02 AM	0:59:58	51.1	66.3	48.9	59.6	57.2	52.3	51.5	51.4	50.6	49.9	49.5	49.4	49.2
10/6/2022	5:00:02 AM	0:59:58	51.7	65.8	48.8	59.1	57.1	54.3	52.7	52.3	51.3	50.7	49.6	49.4	49.1
10/6/2022	6:00:02 AM	0:59:58	56.2	72.5	48.1	67.4	66.5	63.9	60.8	58.7	51.6	49.9	48.9	48.8	48.6
10/6/2022	7:00:02 AM	0:59:58	56.5	73	47.2	67.8	66.3	64.2	61.8	59.8	52.5	49.7	48	47.9	47.7
10/6/2022	8:00:02 AM	0:59:58	54.7	70.3	47.2	65	63.8	61.7	59.5	57.9	52.4	49.4	47.9	47.7	47.4
10/6/2022	9:00:02 AM	0:59:58	54.9	69	46.9	65.3	64.3	62.3	59.8	58.3	52.2	49.6	47.9	47.7	47.4
10/6/2022	10:00:01 AM	0:40:19	61.1	87.8	47.6	69.8	67.2	65	63	61.5	53.7	50.9	48.9	48.4	47.9
10/6/2022	10:42:36 AM	0:00:04	62.8	72.9	60.9	72.9	72.7	72.3	71.9	71.6	69.3	66.7	62.2	61.6	61

Start Date	Start Time	Duration	LAeq	LAmax	LAmin	1%	2%	5%	8%	10%	25%	50%	90%	95%	99%
10/5/2022	9:07:45 AM	0:52:15	61.1	89.5	42.4	72	69.3	64.2	61.9	60.7	54.1	46.5	43.3	43	42.6
10/5/2022	10:00:02 AM	0:59:58	55.2	72.2	42.5	65.9	64.8	62.2	60.2	59	53.3	48	44.1	43.6	42.9
10/5/2022	11:00:02 AM	0:59:58	55.8	72.7	43.6	67.8	66.1	63.2	60.5	58.9	52.2	47.5	45	44.8	44.1
10/5/2022	12:00:02 PM	0:59:58	56.4	77.7	43.8	68.2	66.4	64	61.5	59.7	51.3	47.3	45	44.7	44.3
10/5/2022	1:00:02 PM	0:59:58	55.8	73	43.7	67.2	65.8	63.2	60.8	59.4	52.7	47.8	45.1	44.7	44.3
10/5/2022	2:00:02 PM	0:59:58	60	89.2	43.6	69.8	67	63.8	61.8	60.7	54.7	49.8	45.3	44.9	44.4
10/5/2022	3:00:02 PM	0:59:58	56.3	77.5	43.7	67.8	66	63.5	61.5	60.2	52.7	47.4	45	44.8	44.3
10/5/2022	4:00:02 PM	0:59:58	55.5	75.6	44	66.9	65.5	62.7	60.1	58.4	51.2	47.5	45.2	44.9	44.6
10/5/2022	5:00:02 PM	0:59:58	53.1	71.3	44	65.4	63.3	59.2	56.2	54.6	49.8	47	45.2	44.8	44.4
10/5/2022	6:00:02 PM	0:59:58	54.8	71.8	45.4	65.8	65	62	59.3	57.9	51.4	49.1	46.9	46.6	46
10/5/2022	7:00:02 PM	0:59:58	55.7	70.9	47.7	66.5	65.4	63	60.9	59.6	52.3	49.9	48.8	48.5	48.1
10/5/2022	8:00:02 PM	0:59:58	53.9	72.8	47.2	65.3	64.1	60.7	57.2	54.9	50.2	49.1	48.1	47.9	47.5
10/5/2022	9:00:02 PM	0:59:58	52	70.1	46.6	63.8	60	54.5	52.6	51.8	50	49.1	47.9	47.7	47.2
10/5/2022	10:00:02 PM	0:59:58	51.5	71.4	46.6	64.3	60.4	51.7	50.3	49.9	48.7	48.2	47.5	47.4	47
10/5/2022	11:00:02 PM	0:59:58	50.8	69.5	45.9	62.3	58.6	52	50.5	49.8	48.5	47.9	46.9	46.6	46.2
10/6/2022	12:00:02 AM	0:59:58	49.1	73.4	45.2	57.6	53.9	49.4	48.4	48.1	47.3	46.8	46.1	45.9	45.6
10/6/2022	1:00:02 AM	0:59:58	50.2	73.9	44.3	61.4	55.6	49.9	48.1	47.7	47	46.5	45.5	45.2	44.7
10/6/2022	2:00:02 AM	0:59:58	45.6	52.8	43.8	47.9	47.5	46.9	46.7	46.6	45.9	45.4	44.5	44.4	44.1
10/6/2022	3:00:02 AM	0:59:58	46.9	57.4	43.9	50.6	49.5	48.8	48.5	48.4	47.7	46.6	44.9	44.7	44.3
10/6/2022	4:00:02 AM	0:59:58	53.9	75.1	46.5	62.5	59.6	59.1	58.8	56.5	50	49.1	47.4	47.2	46.8
10/6/2022	5:00:02 AM	0:59:58	52.1	72.3	47.9	57.2	55.2	53.2	52.6	52.3	51.4	50.7	49.2	48.9	48.4
10/6/2022	6:00:02 AM	0:59:58	55.8	72.7	44.2	67.8	66.4	63.6	61.2	59.2	50	47.5	45.1	44.9	44.5
10/6/2022	7:00:02 AM	0:59:58	57.1	73.4	42.7	68.7	67.3	64.8	62.6	61.2	52.7	46.5	43.6	43.3	43
10/6/2022	8:00:02 AM	0:59:58	55.5	75.4	42.2	67.3	64.9	62.2	60.2	59	52	46.5	43.4	43.1	42.7
10/6/2022	9:00:02 AM	0:59:58	55.5	74.3	42.3	67.1	65.1	62.3	60.5	59.5	51.4	45.8	43.5	43.1	42.7
10/6/2022	10:00:00 AM	0:25:58	67.8	95.6	44.6	76.9	70.7	65.1	62.9	61.2	52.3	47.3	45.5	45.1	44.8

Start Date	Start Time	Duration	LAeq	LAmax	LAmin	1%	2%	5%	8%	10%	25%	50%	90%	95%	99%
10/5/2022	9:32:21 AM	0:27:39	70.6	100.5	49.2	78.2	72.3	68	65.7	64.3	59.1	52.8	49.9	49.7	49.5
10/5/2022	10:00:02 AM	0:59:58	59.4	77.1	48.7	70.7	68.8	65.9	64.3	63.3	56.8	52.3	49.9	49.6	49.3
10/5/2022	11:00:02 AM	0:59:58	57.1	72.7	48.4	69.8	68.1	64.3	60	58.1	51.9	50.6	49.1	48.9	48.6
10/5/2022	12:00:02 PM	0:59:58	70.5	92.7	47.3	85.1	78.8	71.1	68.9	67.2	55.9	50.3	48.6	48.3	47.9
10/5/2022	1:00:02 PM	0:59:58	56.3	72.3	46.7	68	66.7	64.1	60.8	58.3	52	49.8	48.1	47.9	47.4
10/5/2022	2:00:02 PM	0:59:58	56.6	71.6	47.2	68.5	66.8	64.1	61.5	59.5	51.7	49.6	48.3	48.1	47.7
10/5/2022	3:00:02 PM	0:59:58	56.1	70.6	47.2	67.9	66.3	63.2	60.9	59.5	51.3	49.3	48.2	48	47.6
10/5/2022	4:00:02 PM	0:59:58	55.7	71.2	47.8	68.1	66.5	62.6	59.3	57.1	51.4	50	48.7	48.5	48.2
10/5/2022	5:00:02 PM	0:59:58	54.3	70	48.1	66.3	64.3	59.5	55.6	54.1	51.4	50.2	49	48.8	48.5
10/5/2022	6:00:02 PM	0:59:58	56.2	71.6	49.2	67.8	66.7	62.7	59.5	57.7	53	51.6	50.3	50	49.6
10/5/2022	7:00:02 PM	0:59:58	57.4	72.7	50.6	68.3	67.3	64.3	61.6	59.8	53.5	52.4	51.5	51.3	50.9
10/5/2022	8:00:02 PM	0:59:58	55.8	70.4	50.1	67.8	66.2	62.4	57.6	54.8	52.2	51.5	50.9	50.7	50.4
10/5/2022	9:00:02 PM	0:59:58	53.9	70.9	50.4	63.1	60	56.1	54.3	53.8	52.7	52.1	51.2	51	50.8
10/5/2022	10:00:02 PM	0:59:58	54	71	50	65.9	61	55.2	53	52.5	51.7	51.3	50.7	50.6	50.3
10/5/2022	11:00:02 PM	0:59:58	52.9	70.6	50.4	57.7	54.4	53.2	52.9	52.8	52.3	51.9	51	50.8	50.7
10/6/2022	12:00:02 AM	0:59:58	51.7	59.3	50.3	53.5	52.9	52.5	52.4	52.3	52	51.6	51	50.9	50.6
10/6/2022	1:00:02 AM	0:59:58	53.8	71.2	49.8	61.1	59.8	59.6	55.5	53.5	52.2	51.7	50.7	50.4	50.1
10/6/2022	2:00:02 AM	0:59:58	52	60.1	49.6	59.9	59.8	59.7	51.4	51.2	50.8	50.5	50.2	50	49.8
10/6/2022	3:00:02 AM	0:59:58	51.9	63.6	50	54.4	53.5	53.2	53	52.9	52.4	51.6	50.6	50.4	50.2
10/6/2022	4:00:02 AM	0:59:58	53.1	60.1	51.2	55.8	54.8	54.3	54.1	54	53.6	53	52	51.8	51.5
10/6/2022	5:00:02 AM	0:59:58	53.8	69.2	51.9	57.3	55.8	54.9	54.6	54.5	53.9	53.5	52.7	52.5	52.2
10/6/2022	6:00:02 AM	0:59:58	58	73.7	49.3	70.1	69	65.6	61.9	59.4	52.5	51.1	50	49.9	49.6
10/6/2022	7:00:02 AM	0:59:58	58.3	73.7	48.9	70.6	69.3	66	62.8	60.3	52.4	50.8	49.7	49.6	49.3
10/6/2022	8:00:02 AM	0:59:58	55.9	73.3	48.3	67.8	66.3	62.8	59.6	57.6	51.7	50.3	49.3	49.1	48.7
10/6/2022	9:00:02 AM	0:59:58	57.1	72.5	48.2	68.7	67.3	64.7	62.1	60.6	51.8	50.1	49.2	49	48.6
10/6/2022	10:00:02 AM	0:50:31	63	94.1	48.9	72.5	70.2	67.4	64.1	62	54	50.9	49.7	49.5	49.3

Noise Appendix

Short Term Measurement Data

Summary

File Name on Meter	831_Data.057.s
File Name on PC	831_0003785-20221005 110900-831_Data.057.ldbin
Serial Number	0003785
Model	Model 831
Firmware Version	2.403
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-10-05 11:09:00
Stop	2022-10-05 11:29:00
Duration	00:20:00.0
Run Time	00:20:00.0
Pause	00:00:00.0
Pre-Calibration	2022-10-05 11:02:35
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRM831
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	A Weighting
OBA Max Spectrum	Bin Max
Gain	0.0 dB
Overload	144.7 dB

	A	C	Z
Under Range Peak	**77.1**	74.1	79.1 dB
Under Range Limit	**26.7**	27.2	33.1 dB
Noise Floor	17.6	18.0	23.5 dB

	First	Second	Third
Instrument Identification			

Results

L_{Aeq}	61.8 dB	
LAE	92.6 dB	
EA	201.808 µPa²h	
$L_{Apeak\ (max)}$	2022-10-05 11:22:50	88.1 dB
L_{ASmax}	2022-10-05 11:25:56	74.0 dB
L_{ASmin}	2022-10-05 11:26:56	48.8 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 65.0 dB	15	182.5 s
LAS > 85.0 dB	0	0.0 s
L_{Apeak} > 135.0 dB	0	0.0 s
L_{Apeak} > 137.0 dB	0	0.0 s
L_{Apeak} > 140.0 dB	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00
	61.8	61.8	-99.9	61.8	61.8	-99.9

L_{Ceq}	73.6 dB
L_{Aeq}	61.8 dB
L_{Ceq} - L_{Aeq}	11.8 dB
L_{AIeq}	63.3 dB
L_{Aeq}	61.8 dB
L_{AIeq} - L_{Aeq}	1.5 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L_{eq}	61.8		73.6		75.2	
$L_{S(max)}$	74.0	2022/10/05 11:25:56	85.6	2022/10/05 11:09:30	87.0	2022/10/05 11:09:30
$L_{F(max)}$	76.2	2022/10/05 11:25:53	88.2	2022/10/05 11:16:29	88.6	2022/10/05 11:09:30
$L_{I(max)}$	77.7	2022/10/05 11:25:53	89.7	2022/10/05 11:16:29	90.1	2022/10/05 11:16:29
$L_{S(min)}$	48.8	2022/10/05 11:26:56	65.4	2022/10/05 11:19:52	68.3	2022/10/05 11:19:53
$L_{F(min)}$	47.3	2022/10/05 11:26:53	63.8	2022/10/05 11:22:08	66.1	2022/10/05 11:19:49
$L_{I(min)}$	48.8	2022/10/05 11:26:56	66.2	2022/10/05 11:19:51	69.4	2022/10/05 11:19:53
$L_{Peak(max)}$	88.1	2022/10/05 11:22:50	96.1	2022/10/05 11:16:29	97.0	2022/10/05 11:09:30

Overload Count	0	
Overload Duration	0.0	s
OBA Overload Count	0	
OBA Overload Duration	0.0	s

Statistics

LA 1.00	71.1	dB
LA 10.00	65.6	dB
LA 25.00	61.4	dB
LA 50.00	58.4	dB
LA 90.00	52.2	dB
LA 99.00	49.6	dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	2022-10-05 11:02:35	-27.16
PRM831	2022-10-05 10:23:13	-27.15
PRM831	2022-10-05 10:11:43	-27.17
PRM831	2022-10-05 09:47:47	-27.15
PRM831	2022-06-29 07:11:47	-27.08
PRM831	2022-06-28 11:21:41	-27.05
PRM831	2022-06-02 11:11:56	-26.67
PRM831	2022-06-02 11:09:50	-26.59
PRM831	2022-06-02 10:44:32	-26.85
PRM831	2022-06-02 10:04:07	-26.87
PRM831	2022-06-01 13:46:10	-26.82

Summary

File Name on Meter	831_Data.060.s
File Name on PC	831_0003785-20221006 094800-831_Data.060.ldbin
Serial Number	0003785
Model	Model 831
Firmware Version	2.403
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-10-06 09:48:00
Stop	2022-10-06 10:08:00
Duration	00:20:00.0
Run Time	00:20:00.0
Pause	00:00:00.0
Pre-Calibration	2022-10-06 09:45:25
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRM831
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	A Weighting
OBA Max Spectrum	Bin Max
Gain	0.0 dB
Overload	144.7 dB

	A	C	Z
Under Range Peak	**77.2**	74.2	79.2 dB
Under Range Limit	**26.7**	27.2	33.2 dB
Noise Floor	17.6	18.1	23.6 dB

	First	Second	Third
Instrument Identification			

Results

L_{Aeq}	58.3 dB	
LAE	89.1 dB	
EA	90.144 µPa²h	
$L_{Apeak\ (max)}$	2022-10-06 09:54:09	94.4 dB
L_{ASmax}	2022-10-06 09:52:10	73.1 dB
L_{ASmin}	2022-10-06 10:05:02	50.8 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 65.0 dB	7	54.2 s
LAS > 85.0 dB	0	0.0 s
L_{Apeak} > 135.0 dB	0	0.0 s
L_{Apeak} > 137.0 dB	0	0.0 s
L_{Apeak} > 140.0 dB	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00
	58.3	58.3	-99.9	58.3	58.3	-99.9

L_{Ceq}	68.6 dB
L_{Aeq}	58.3 dB
L_{Ceq} - L_{Aeq}	10.3 dB
L_{AIeq}	60.1 dB
L_{Aeq}	58.3 dB
L_{AIeq} - L_{Aeq}	1.8 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L_{eq}	58.3		68.6		70.6	
$L_{S(max)}$	73.1	2022/10/06 9:52:10	80.7	2022/10/06 9:52:10	81.1	2022/10/06 9:52:10
$L_{F(max)}$	77.0	2022/10/06 9:52:09	84.1	2022/10/06 9:52:09	84.3	2022/10/06 9:52:09
$L_{I(max)}$	78.9	2022/10/06 9:52:09	85.7	2022/10/06 9:52:09	86.4	2022/10/06 9:52:06
$L_{S(min)}$	50.8	2022/10/06 10:05:02	64.2	2022/10/06 9:54:46	66.6	2022/10/06 9:50:08
$L_{F(min)}$	50.1	2022/10/06 10:07:19	61.8	2022/10/06 10:05:17	63.8	2022/10/06 10:05:17
$L_{I(min)}$	50.7	2022/10/06 10:05:04	64.7	2022/10/06 9:54:34	67.2	2022/10/06 9:50:08
$L_{Peak(max)}$	94.4	2022/10/06 9:54:09	94.1	2022/10/06 9:52:09	94.9	2022/10/06 9:52:14

Overload Count	0	
Overload Duration	0.0	s
OBA Overload Count	0	
OBA Overload Duration	0.0	s

Statistics

LA 1.00	70.4	dB
LA 10.00	59.5	dB
LA 25.00	56.1	dB
LA 50.00	54.0	dB
LA 90.00	51.6	dB
LA 99.00	51.0	dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	2022-10-06 09:45:12	-27.20
PRM831	2022-10-05 12:46:16	-27.18
PRM831	2022-10-05 12:17:19	-27.01
PRM831	2022-10-05 12:08:44	-27.07
PRM831	2022-10-05 11:40:26	-27.10
PRM831	2022-10-05 11:02:35	-27.16
PRM831	2022-10-05 10:23:13	-27.15
PRM831	2022-10-05 10:11:43	-27.17
PRM831	2022-10-05 09:47:47	-27.15
PRM831	2022-06-29 07:11:47	-27.08
PRM831	2022-06-28 11:21:41	-27.05

Summary

File Name on Meter	831_Data.056.s
File Name on PC	831_0003785-20221005 102800-831_Data.056.ldbin
Serial Number	0003785
Model	Model 831
Firmware Version	2.403
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-10-05 10:28:00
Stop	2022-10-05 10:48:00
Duration	00:20:00.0
Run Time	00:20:00.0
Pause	00:00:00.0
Pre-Calibration	2022-10-05 10:26:10
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRM831
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	A Weighting
OBA Max Spectrum	Bin Max
Gain	0.0 dB
Overload	144.7 dB

	A	C	Z
Under Range Peak	**77.1**	74.1	79.1 dB
Under Range Limit	**26.7**	27.2	33.1 dB
Noise Floor	17.6	18.0	23.5 dB

	First	Second	Third
Instrument Identification			

Results

L_{Aeq}	57.5 dB	
LAE	88.3 dB	
EA	74.979 µPa²h	
$L_{Apeak\ (max)}$	2022-10-05 10:33:34	83.8 dB
L_{ASmax}	2022-10-05 10:38:20	68.8 dB
L_{ASmin}	2022-10-05 10:47:59	44.0 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 65.0 dB	7	60.6 s
LAS > 85.0 dB	0	0.0 s
L_{Apeak} > 135.0 dB	0	0.0 s
L_{Apeak} > 137.0 dB	0	0.0 s
L_{Apeak} > 140.0 dB	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00
	57.5	57.5	-99.9	57.5	57.5	-99.9

L_{Ceq}	68.3 dB
L_{Aeq}	57.5 dB
L_{Ceq} - L_{Aeq}	10.8 dB
L_{AIeq}	59.3 dB
L_{Aeq}	57.5 dB
L_{AIeq} - L_{Aeq}	1.8 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L_{eq}	57.5		68.3		70.5	
$L_{S(max)}$	68.8	2022/10/05 10:38:20	78.5	2022/10/05 10:43:49	79.2	2022/10/05 10:43:49
$L_{F(max)}$	70.9	2022/10/05 10:36:46	80.2	2022/10/05 10:43:48	80.8	2022/10/05 10:43:48
$L_{I(max)}$	72.2	2022/10/05 10:36:46	81.5	2022/10/05 10:43:48	83.4	2022/10/05 10:44:42
$L_{S(min)}$	44.0	2022/10/05 10:47:59	61.8	2022/10/05 10:34:34	65.3	2022/10/05 10:41:48
$L_{F(min)}$	43.3	2022/10/05 10:47:59	59.9	2022/10/05 10:47:55	62.9	2022/10/05 10:29:56
$L_{I(min)}$	43.6	2022/10/05 10:47:59	62.4	2022/10/05 10:30:01	66.3	2022/10/05 10:34:35
$L_{Peak(max)}$	83.8	2022/10/05 10:33:34	89.9	2022/10/05 10:43:48	91.2	2022/10/05 10:44:42

Overload Count	0	
Overload Duration	0.0	s
OBA Overload Count	0	
OBA Overload Duration	0.0	s

Statistics

LA 1.00	66.7	dB
LA 10.00	62.0	dB
LA 25.00	57.7	dB
LA 50.00	52.1	dB
LA 90.00	47.7	dB
LA 99.00	45.8	dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	2022-10-05 10:23:13	-27.15
PRM831	2022-10-05 10:11:43	-27.17
PRM831	2022-10-05 09:47:47	-27.15
PRM831	2022-06-29 07:11:47	-27.08
PRM831	2022-06-28 11:21:41	-27.05
PRM831	2022-06-02 11:11:56	-26.67
PRM831	2022-06-02 11:09:50	-26.59
PRM831	2022-06-02 10:44:32	-26.85
PRM831	2022-06-02 10:04:07	-26.87
PRM831	2022-06-01 13:46:10	-26.82
PRM831	2022-06-01 13:15:14	-27.27

Summary

File Name on Meter	831_Data.055.s
File Name on PC	831_0003785-20221005 095000-831_Data.055.ldbin
Serial Number	0003785
Model	Model 831
Firmware Version	2.403
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-10-05 09:50:00
Stop	2022-10-05 10:10:01
Duration	00:20:00.5
Run Time	00:20:00.5
Pause	00:00:00.0
Pre-Calibration	2022-10-05 09:47:47
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRM831
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	A Weighting
OBA Max Spectrum	Bin Max
Gain	0.0 dB
Overload	144.7 dB

	A	C	Z
Under Range Peak	**77.1**	74.1	79.1 dB
Under Range Limit	**26.7**	27.2	33.1 dB
Noise Floor	17.6	18.0	23.5 dB

	First	Second	Third
Instrument Identification			

Results

LA_{eq}	52.2 dB	
LAE	83.0 dB	
EA	22.137 µPa²h	
$LA_{peak\ (max)}$	2022-10-05 09:51:23	89.5 dB
LAS_{max}	2022-10-05 09:59:45	68.0 dB
LAS_{min}	2022-10-05 09:55:43	45.0 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 65.0 dB	3	8.0 s
LAS > 85.0 dB	0	0.0 s
LA_{peak} > 135.0 dB	0	0.0 s
LA_{peak} > 137.0 dB	0	0.0 s
LA_{peak} > 140.0 dB	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00
	52.2	52.2	-99.9	52.2	52.2	-99.9

LC_{eq}	63.9 dB
LA_{eq}	52.2 dB
LC_{eq} - LA_{eq}	11.7 dB
LAI_{eq}	55.0 dB
LA_{eq}	52.2 dB
LAI_{eq} - LA_{eq}	2.8 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L_{eq}	52.2		63.9		66.9	
$L_{S(max)}$	68.0	2022/10/05 9:59:45	74.8	2022/10/05 9:59:45	79.1	2022/10/05 9:50:21
$L_{F(max)}$	71.0	2022/10/05 9:59:45	78.0	2022/10/05 9:59:45	83.5	2022/10/05 9:50:21
$L_{I(max)}$	72.2	2022/10/05 9:59:45	78.9	2022/10/05 9:59:45	85.8	2022/10/05 9:50:21
$L_{S(min)}$	45.0	2022/10/05 9:55:43	60.6	2022/10/05 9:54:51	63.4	2022/10/05 9:54:41
$L_{F(min)}$	44.3	2022/10/05 9:55:28	59.0	2022/10/05 9:54:51	61.6	2022/10/05 9:52:26
$L_{I(min)}$	45.2	2022/10/05 9:55:42	61.4	2022/10/05 10:03:29	64.2	2022/10/05 9:52:06
$L_{Peak(max)}$	89.5	2022/10/05 9:51:23	88.7	2022/10/05 9:51:23	91.5	2022/10/05 9:50:00

Overload Count	0	
Overload Duration	0.0	s
OBA Overload Count	0	
OBA Overload Duration	0.0	s

Statistics

LA 1.00	62.8	dB
LA 10.00	53.9	dB
LA 25.00	51.1	dB
LA 50.00	49.4	dB
LA 90.00	47.3	dB
LA 99.00	46.1	dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	2022-10-05 09:47:47	-27.15
PRM831	2022-06-29 07:11:47	-27.08
PRM831	2022-06-28 11:21:41	-27.05
PRM831	2022-06-02 11:11:56	-26.67
PRM831	2022-06-02 11:09:50	-26.59
PRM831	2022-06-02 10:44:32	-26.85
PRM831	2022-06-02 10:04:07	-26.87
PRM831	2022-06-01 13:46:10	-26.82
PRM831	2022-06-01 13:15:14	-27.27
PRM831	2022-06-01 12:21:01	-27.35
PRM831	2022-06-01 11:03:08	-27.40

Summary

File Name on Meter	831_Data.059.s
File Name on PC	831_0003785-20221005 122300-831_Data.059.ldbin
Serial Number	0003785
Model	Model 831
Firmware Version	2.403
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-10-05 12:23:00
Stop	2022-10-05 12:43:00
Duration	00:20:00.0
Run Time	00:20:00.0
Pause	00:00:00.0
Pre-Calibration	2022-10-05 12:17:30
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRM831
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	A Weighting
OBA Max Spectrum	Bin Max
Gain	0.0 dB
Overload	144.5 dB

	A	C	Z
Under Range Peak	**77.0**	74.0	79.0 dB
Under Range Limit	**26.6**	27.1	33.0 dB
Noise Floor	17.5	17.9	23.4 dB

	First	Second	Third
Instrument Identification			

Results

L_{Aeq}	56.1 dB	
LAE	86.9 dB	
EA	54.317 µPa²h	
$L_{Apeak\ (max)}$	2022-10-05 12:33:16	85.4 dB
L_{ASmax}	2022-10-05 12:30:10	71.3 dB
L_{ASmin}	2022-10-05 12:37:25	45.5 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 65.0 dB	3	38.7 s
LAS > 85.0 dB	0	0.0 s
L_{Apeak} > 135.0 dB	0	0.0 s
L_{Apeak} > 137.0 dB	0	0.0 s
L_{Apeak} > 140.0 dB	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00
	56.1	56.1	-99.9	56.1	56.1	-99.9

L_{Ceq}	67.2 dB
L_{Aeq}	56.1 dB
L_{Ceq} - L_{Aeq}	11.1 dB
L_{AIeq}	58.2 dB
L_{Aeq}	56.1 dB
L_{AIeq} - L_{Aeq}	2.1 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L_{eq}	56.1		67.2		69.8	
$L_{S(max)}$	71.3	2022/10/05 12:30:10	79.1	2022/10/05 12:30:15	80.2	2022/10/05 12:30:16
$L_{F(max)}$	73.8	2022/10/05 12:30:10	80.5	2022/10/05 12:30:10	84.8	2022/10/05 12:40:58
$L_{I(max)}$	75.8	2022/10/05 12:30:10	82.4	2022/10/05 12:30:15	86.6	2022/10/05 12:40:58
$L_{S(min)}$	45.5	2022/10/05 12:37:25	62.3	2022/10/05 12:39:00	64.7	2022/10/05 12:40:04
$L_{F(min)}$	44.8	2022/10/05 12:26:45	60.6	2022/10/05 12:33:23	62.6	2022/10/05 12:27:31
$L_{I(min)}$	45.6	2022/10/05 12:37:24	62.7	2022/10/05 12:39:26	65.6	2022/10/05 12:27:31
$L_{Peak(max)}$	85.4	2022/10/05 12:33:16	92.4	2022/10/05 12:30:10	92.9	2022/10/05 12:30:07

Overload Count	0	
Overload Duration	0.0	s
OBA Overload Count	0	
OBA Overload Duration	0.0	s

Statistics

LA 1.00	67.8	dB
LA 10.00	59.1	dB
LA 25.00	54.5	dB
LA 50.00	49.6	dB
LA 90.00	46.5	dB
LA 99.00	45.9	dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	2022-10-05 12:17:19	-27.01
PRM831	2022-10-05 12:08:44	-27.07
PRM831	2022-10-05 11:40:26	-27.10
PRM831	2022-10-05 11:02:35	-27.16
PRM831	2022-10-05 10:23:13	-27.15
PRM831	2022-10-05 10:11:43	-27.17
PRM831	2022-10-05 09:47:47	-27.15
PRM831	2022-06-29 07:11:47	-27.08
PRM831	2022-06-28 11:21:41	-27.05
PRM831	2022-06-02 11:11:56	-26.67
PRM831	2022-06-02 11:09:50	-26.59

Summary

File Name on Meter	831_Data.061.s
File Name on PC	831_0003785-20221006 110800-831_Data.061.ldbin
Serial Number	0003785
Model	Model 831
Firmware Version	2.403
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-10-06 11:08:00
Stop	2022-10-06 11:28:00
Duration	00:20:00.0
Run Time	00:20:00.0
Pause	00:00:00.0
Pre-Calibration	2022-10-06 11:04:19
Post-Calibration	2022-10-06 11:30:23
Calibration Deviation	-0.18 dB

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRM831
Microphone Correction	Off
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Frequency Weighting	A Weighting
OBA Max Spectrum	Bin Max
Gain	0.0 dB
Overload	144.8 dB

	A	C	Z
Under Range Peak	**77.3**	74.3	79.3 dB
Under Range Limit	**26.8**	27.3	33.3 dB
Noise Floor	17.6	18.1	23.7 dB

	First	Second	Third
Instrument Identification			

Results

L_{Aeq}	56.5 dB	
LAE	87.3 dB	
EA	59.558 µPa²h	
$L_{Apeak\ (max)}$	2022-10-06 11:12:06	85.6 dB
L_{ASmax}	2022-10-06 11:17:03	73.2 dB
L_{ASmin}	2022-10-06 11:24:00	46.3 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 65.0 dB	6	58.6 s
LAS > 85.0 dB	0	0.0 s
L_{Apeak} > 135.0 dB	0	0.0 s
L_{Apeak} > 137.0 dB	0	0.0 s
L_{Apeak} > 140.0 dB	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	LNight 22:00-07:00	Lden	LDay 07:00-19:00	LEvening 19:00-22:00
	56.5	56.5	-99.9	56.5	56.5	-99.9

L_{Ceq}	67.7 dB
L_{Aeq}	56.5 dB
L_{Ceq} - L_{Aeq}	11.2 dB
L_{AIeq}	58.4 dB
L_{Aeq}	56.5 dB
L_{AIeq} - L_{Aeq}	1.9 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L_{eq}	56.5		67.7		69.9	
$L_{S(max)}$	73.2	2022/10/06 11:17:03	82.7	2022/10/06 11:17:07	82.9	2022/10/06 11:17:07
$L_{F(max)}$	74.3	2022/10/06 11:17:03	83.9	2022/10/06 11:17:07	87.6	2022/10/06 11:26:12
$L_{I(max)}$	75.5	2022/10/06 11:12:06	84.3	2022/10/06 11:17:07	90.0	2022/10/06 11:26:12
$L_{S(min)}$	46.3	2022/10/06 11:24:00	62.0	2022/10/06 11:21:04	65.0	2022/10/06 11:10:28
$L_{F(min)}$	45.7	2022/10/06 11:24:00	59.8	2022/10/06 11:13:21	63.1	2022/10/06 11:19:38
$L_{I(min)}$	46.4	2022/10/06 11:24:00	62.5	2022/10/06 11:25:22	65.9	2022/10/06 11:19:25
$L_{Peak(max)}$	85.6	2022/10/06 11:12:06	92.7	2022/10/06 11:17:03	92.8	2022/10/06 11:17:07

Overload Count	0	
Overload Duration	0.0	s
OBA Overload Count	0	
OBA Overload Duration	0.0	s

Statistics

LA 1.00	68.7	dB
LA 10.00	58.5	dB
LA 25.00	51.8	dB
LA 50.00	48.1	dB
LA 90.00	47.1	dB
LA 99.00	46.7	dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	2022-10-06 11:29:41	-27.32
PRM831	2022-10-06 11:03:40	-27.13
PRM831	2022-10-06 10:10:43	-27.18
PRM831	2022-10-06 09:45:12	-27.20
PRM831	2022-10-05 12:46:16	-27.18
PRM831	2022-10-05 12:17:19	-27.01
PRM831	2022-10-05 12:08:44	-27.07
PRM831	2022-10-05 11:40:26	-27.10
PRM831	2022-10-05 11:02:35	-27.16
PRM831	2022-10-05 10:23:13	-27.15
PRM831	2022-10-05 10:11:43	-27.17

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin	OBA OVLD	Marker	Comments
1	Run	2022-10-05	11:09:00							
2		2022-10-05	11:09:00	57.3	71.7	64.1	54.0	No		
3		2022-10-05	11:09:10	60.7	76.4	63.4	53.9	No		
4		2022-10-05	11:09:20	68.7	83.8	71.5	63.1	No		
5		2022-10-05	11:09:30	65.3	81.6	71.3	57.3	No		
6		2022-10-05	11:09:40	58.3	72.1	59.2	56.4	No		
7		2022-10-05	11:09:50	67.0	80.1	69.2	59.0	No		
8		2022-10-05	11:10:00	63.4	76.8	67.8	61.8	No		
9		2022-10-05	11:10:10	56.9	75.1	61.8	53.2	No		
10		2022-10-05	11:10:20	55.9	72.0	58.6	52.3	No		
11		2022-10-05	11:10:30	58.6	74.5	60.5	57.0	No		
12		2022-10-05	11:10:40	59.1	75.7	62.6	55.0	No		
13		2022-10-05	11:10:50	58.3	73.5	62.6	52.7	No		
14		2022-10-05	11:11:00	53.9	69.1	57.2	50.9	No		
15		2022-10-05	11:11:10	59.2	82.0	61.1	51.7	No		
16		2022-10-05	11:11:20	59.6	74.1	61.3	57.1	No		
17		2022-10-05	11:11:30	60.4	75.6	62.0	59.5	No		
18		2022-10-05	11:11:40	60.3	77.0	61.5	58.6	No		
19		2022-10-05	11:11:50	58.7	73.5	60.8	57.4	No		
20		2022-10-05	11:12:00	53.9	69.0	58.6	52.6	No		
21		2022-10-05	11:12:10	56.8	76.4	59.2	52.8	No		
22		2022-10-05	11:12:20	56.1	74.1	59.9	51.8	No		
23		2022-10-05	11:12:30	58.4	75.3	62.2	51.4	No		
24		2022-10-05	11:12:40	57.0	71.2	61.2	54.4	No		
25		2022-10-05	11:12:50	62.2	79.6	64.3	54.7	No		
26		2022-10-05	11:13:00	61.6	76.6	63.8	59.3	No		
27		2022-10-05	11:13:10	68.0	85.7	71.0	63.1	No		
28		2022-10-05	11:13:20	63.5	78.4	66.9	60.4	No		
29		2022-10-05	11:13:30	57.9	72.2	60.5	56.5	No		
30		2022-10-05	11:13:40	55.9	71.1	58.5	53.8	No		
31		2022-10-05	11:13:50	56.2	69.7	57.1	55.2	No		
32		2022-10-05	11:14:00	58.7	76.6	59.9	56.8	No		
33		2022-10-05	11:14:10	57.9	72.9	59.3	55.5	No		
34		2022-10-05	11:14:20	52.7	65.7	55.5	51.6	No		
35		2022-10-05	11:14:30	53.5	74.2	54.7	52.1	No		
36		2022-10-05	11:14:40	56.0	72.6	58.9	50.5	No		
37		2022-10-05	11:14:50	60.4	75.0	61.5	58.5	No		
38		2022-10-05	11:15:00	60.1	74.1	61.5	58.3	No		
39		2022-10-05	11:15:10	62.0	81.5	66.5	57.6	No		
40		2022-10-05	11:15:20	66.9	83.8	70.4	62.3	No		
41		2022-10-05	11:15:30	63.0	80.3	69.7	61.4	No		
42		2022-10-05	11:15:40	58.4	75.7	62.8	53.1	No		
43		2022-10-05	11:15:50	50.5	64.5	53.1	49.7	No		
44		2022-10-05	11:16:00	53.9	71.8	58.5	49.7	No		
45		2022-10-05	11:16:10	60.4	75.8	63.7	58.3	No		
46		2022-10-05	11:16:20	65.6	86.1	69.1	62.7	No		
47		2022-10-05	11:16:30	59.0	77.2	68.0	56.9	No		
48		2022-10-05	11:16:40	61.0	77.8	63.3	56.3	No		
49		2022-10-05	11:16:50	58.2	72.2	62.4	57.2	No		
50		2022-10-05	11:17:00	59.0	72.8	60.0	57.4	No		
51		2022-10-05	11:17:10	63.8	80.9	67.1	57.3	No		
52		2022-10-05	11:17:20	68.1	83.4	71.2	63.5	No		
53		2022-10-05	11:17:30	63.7	79.5	66.8	59.3	No		
54		2022-10-05	11:17:40	56.6	72.2	59.3	53.3	No		
55		2022-10-05	11:17:50	50.0	63.0	53.3	49.5	No		
56		2022-10-05	11:18:00	49.9	63.8	51.4	49.0	No		
57		2022-10-05	11:18:10	53.3	67.9	54.2	51.3	No		
58		2022-10-05	11:18:20	61.8	77.6	64.6	54.2	No		
59		2022-10-05	11:18:30	64.0	79.9	65.7	60.1	No		
60		2022-10-05	11:18:40	59.0	74.2	60.0	57.9	No		
61		2022-10-05	11:18:50	56.8	73.5	60.3	54.8	No		
62		2022-10-05	11:19:00	52.5	66.2	54.8	51.8	No		
63		2022-10-05	11:19:10	56.0	73.6	57.6	52.8	No		
64		2022-10-05	11:19:20	58.1	74.5	60.4	55.9	No		
65		2022-10-05	11:19:30	58.3	73.0	61.1	52.1	No		
66		2022-10-05	11:19:40	50.1	69.1	52.1	49.5	No		
67		2022-10-05	11:19:50	56.8	78.1	60.1	50.8	No		
68		2022-10-05	11:20:00	58.9	74.8	60.5	55.9	No		
69		2022-10-05	11:20:10	60.9	78.4	62.2	59.5	No		
70		2022-10-05	11:20:20	53.0	68.3	59.5	50.0	No		
71		2022-10-05	11:20:30	54.4	70.2	56.5	50.5	No		
72		2022-10-05	11:20:40	53.0	71.7	54.3	51.0	No		
73		2022-10-05	11:20:50	57.8	77.2	61.0	53.5	No		
74		2022-10-05	11:21:00	60.0	74.4	61.4	56.7	No		
75		2022-10-05	11:21:10	54.6	69.8	59.6	52.1	No		
76		2022-10-05	11:21:20	55.7	75.4	56.9	54.5	No		
77		2022-10-05	11:21:30	54.5	70.4	56.4	52.4	No		
78		2022-10-05	11:21:40	50.9	63.4	52.4	50.2	No		
79		2022-10-05	11:21:50	54.7	69.9	56.9	50.5	No		

80		2022-10-05	11:22:00	51.9	67.7	55.9	49.2	No
81		2022-10-05	11:22:10	56.0	72.2	59.0	50.7	No
82		2022-10-05	11:22:20	63.3	81.3	66.2	58.8	No
83		2022-10-05	11:22:30	68.7	87.2	72.4	65.5	No
84		2022-10-05	11:22:40	67.1	82.5	69.5	63.5	No
85		2022-10-05	11:22:50	66.1	88.1	70.9	60.0	No
86		2022-10-05	11:23:00	57.9	73.1	60.0	56.5	No
87		2022-10-05	11:23:10	59.5	75.0	60.9	57.2	No
88		2022-10-05	11:23:20	57.4	74.9	58.8	55.7	No
89		2022-10-05	11:23:30	57.1	72.8	58.5	56.0	No
90		2022-10-05	11:23:40	53.7	68.7	56.7	51.4	No
91		2022-10-05	11:23:50	61.3	76.7	64.6	56.2	No
92		2022-10-05	11:24:00	66.7	82.9	70.1	63.3	No
93		2022-10-05	11:24:10	68.7	83.3	71.8	63.5	No
94		2022-10-05	11:24:20	58.9	75.3	64.6	55.7	No
95		2022-10-05	11:24:30	56.8	71.5	58.2	55.6	No
96		2022-10-05	11:24:40	56.6	70.5	57.6	55.7	No
97		2022-10-05	11:24:50	60.9	74.9	62.7	57.6	No
98		2022-10-05	11:25:00	55.5	69.0	59.7	54.2	No
99		2022-10-05	11:25:10	54.0	68.8	56.0	52.2	No
100		2022-10-05	11:25:20	54.3	68.3	56.4	51.6	No
101		2022-10-05	11:25:30	58.6	72.7	61.5	54.6	No
102		2022-10-05	11:25:40	66.6	84.6	70.4	61.5	No
103		2022-10-05	11:25:50	71.1	86.5	74.0	65.5	No
104		2022-10-05	11:26:00	67.2	82.1	69.6	64.9	No
105		2022-10-05	11:26:10	63.2	77.5	65.0	61.5	No
106		2022-10-05	11:26:20	69.8	86.1	71.7	63.1	No
107		2022-10-05	11:26:30	58.3	70.9	64.2	57.6	No
108		2022-10-05	11:26:40	53.1	66.4	57.6	51.5	No
109		2022-10-05	11:26:50	51.1	64.9	53.5	48.8	No
110		2022-10-05	11:27:00	60.3	75.5	62.4	52.4	No
111		2022-10-05	11:27:10	59.7	73.9	61.8	57.8	No
112		2022-10-05	11:27:20	58.3	74.4	59.8	56.7	No
113		2022-10-05	11:27:30	59.9	74.3	60.8	58.8	No
114		2022-10-05	11:27:40	57.0	72.3	59.4	55.1	No
115		2022-10-05	11:27:50	59.9	75.3	62.9	56.5	No
116		2022-10-05	11:28:00	65.6	82.3	67.8	62.7	No
117		2022-10-05	11:28:10	65.6	83.2	69.5	62.2	No
118		2022-10-05	11:28:20	61.4	77.8	64.8	58.1	No
119		2022-10-05	11:28:30	53.1	68.3	58.4	51.6	No
120		2022-10-05	11:28:40	58.0	72.8	60.2	51.6	No
121		2022-10-05	11:28:50	51.7	67.0	57.4	49.9	No
122	Stop	2022-10-05	11:29:00					

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin	OBA OVLD	Marker	Comments
1	Calibration Change	2022-10-06	9:45:25							
2	Run	2022-10-06	9:48:00							
3		2022-10-06	9:48:00	54.9	68.9	56.4	52.0	No		
4		2022-10-06	9:48:10	55.4	70.3	57.0	54.3	No		
5		2022-10-06	9:48:20	52.9	67.4	55.2	51.9	No		
6		2022-10-06	9:48:30	54.3	69.0	56.0	52.3	No		
7		2022-10-06	9:48:40	52.0	64.9	52.7	51.6	No		
8		2022-10-06	9:48:50	53.7	87.6	56.9	51.6	No		
9		2022-10-06	9:49:00	54.9	68.6	55.6	54.2	No		
10		2022-10-06	9:49:10	62.9	91.3	66.2	55.1	No		
11		2022-10-06	9:49:20	56.0	72.9	62.4	54.9	No		
12		2022-10-06	9:49:30	55.7	67.9	56.2	54.9	No		
13		2022-10-06	9:49:40	54.6	73.8	55.9	52.8	No		
14		2022-10-06	9:49:50	51.9	64.2	52.8	51.6	No		
15		2022-10-06	9:50:00	51.7	65.2	52.6	50.9	No		
16		2022-10-06	9:50:10	55.0	80.9	57.6	51.0	No		
17		2022-10-06	9:50:20	54.2	77.0	55.9	52.3	No		
18		2022-10-06	9:50:30	56.8	79.7	58.3	54.7	No		
19		2022-10-06	9:50:40	56.3	71.8	57.6	55.1	No		
20		2022-10-06	9:50:50	56.1	69.8	57.2	55.1	No		
21		2022-10-06	9:51:00	54.7	68.4	56.8	53.8	No		
22		2022-10-06	9:51:10	62.8	87.8	67.9	53.4	No		
23		2022-10-06	9:51:20	58.0	73.5	66.8	55.1	No		
24		2022-10-06	9:51:30	53.1	75.0	55.2	52.2	No		
25		2022-10-06	9:51:40	52.8	68.8	53.6	51.9	No		
26		2022-10-06	9:51:50	56.3	73.1	59.6	53.4	No		
27		2022-10-06	9:52:00	69.5	87.7	73.1	59.7	No		
28		2022-10-06	9:52:10	67.0	83.2	72.3	61.7	No		
29		2022-10-06	9:52:20	57.2	70.5	61.7	55.6	No		
30		2022-10-06	9:52:30	54.9	69.2	57.4	52.7	No		
31		2022-10-06	9:52:40	57.0	78.0	58.8	52.6	No		
32		2022-10-06	9:52:50	54.0	68.5	56.3	52.8	No		
33		2022-10-06	9:53:00	52.9	68.8	56.6	52.0	No		
34		2022-10-06	9:53:10	52.0	65.2	52.3	51.6	No		
35		2022-10-06	9:53:20	53.9	67.4	54.8	52.0	No		
36		2022-10-06	9:53:30	55.8	68.5	56.8	53.9	No		
37		2022-10-06	9:53:40	55.7	70.1	56.9	54.4	No		
38		2022-10-06	9:53:50	54.5	70.1	56.9	52.2	No		
39		2022-10-06	9:54:00	53.9	94.4	59.3	51.1	No		
40		2022-10-06	9:54:10	53.8	72.9	57.1	52.6	No		
41		2022-10-06	9:54:20	51.6	64.6	52.6	51.2	No		
42		2022-10-06	9:54:30	59.7	84.5	64.2	52.2	No		
43		2022-10-06	9:54:40	53.4	74.8	61.8	51.9	No		
44		2022-10-06	9:54:50	54.3	69.6	56.1	51.9	No		
45		2022-10-06	9:55:00	57.2	72.1	58.3	54.6	No		
46		2022-10-06	9:55:10	54.2	67.6	56.7	53.2	No		
47		2022-10-06	9:55:20	54.2	68.6	55.9	52.4	No		
48		2022-10-06	9:55:30	53.5	67.4	54.6	52.7	No		
49		2022-10-06	9:55:40	52.8	65.5	53.7	52.6	No		
50		2022-10-06	9:55:50	54.1	69.2	56.2	52.5	No		
51		2022-10-06	9:56:00	52.6	68.2	53.9	52.0	No		
52		2022-10-06	9:56:10	54.4	71.4	56.4	53.1	No		
53		2022-10-06	9:56:20	55.3	70.8	57.0	53.8	No		
54		2022-10-06	9:56:30	56.4	70.3	57.8	55.1	No		
55		2022-10-06	9:56:40	55.2	69.0	56.2	54.5	No		
56		2022-10-06	9:56:50	52.8	66.7	54.8	51.7	No		
57		2022-10-06	9:57:00	54.1	69.2	54.8	52.8	No		
58		2022-10-06	9:57:10	54.3	68.2	54.9	53.6	No		
59		2022-10-06	9:57:20	52.5	66.2	54.4	52.0	No		
60		2022-10-06	9:57:30	51.6	64.2	52.1	51.3	No		
61		2022-10-06	9:57:40	51.7	64.2	52.4	51.2	No		
62		2022-10-06	9:57:50	52.7	66.5	53.9	51.9	No		
63		2022-10-06	9:58:00	51.9	64.9	52.3	51.5	No		
64		2022-10-06	9:58:10	53.5	74.0	54.6	52.0	No		
65		2022-10-06	9:58:20	55.5	68.5	56.6	53.7	No		
66		2022-10-06	9:58:30	58.1	73.9	60.0	55.1	No		
67		2022-10-06	9:58:40	63.1	82.7	67.2	56.1	No		
68		2022-10-06	9:58:50	57.1	72.0	62.2	54.9	No		
69		2022-10-06	9:59:00	53.4	66.0	54.9	52.9	No		
70		2022-10-06	9:59:10	54.3	69.1	56.0	53.2	No		
71		2022-10-06	9:59:20	65.9	85.2	71.2	54.1	No		
72		2022-10-06	9:59:30	61.3	84.0	66.6	58.1	No		
73		2022-10-06	9:59:40	56.6	76.6	65.0	52.6	No		
74		2022-10-06	9:59:50	51.9	66.5	52.6	51.5	No		
75		2022-10-06	10:00:00	52.1	69.6	54.5	51.4	No		
76		2022-10-06	10:00:10	51.9	66.5	52.5	51.4	No		
77		2022-10-06	10:00:20	54.0	70.5	55.6	52.5	No		
78		2022-10-06	10:00:30	53.7	74.4	55.9	52.2	No		
79		2022-10-06	10:00:40	52.2	69.1	53.2	51.7	No		

80		2022-10-06	10:00:50	55.7	68.5	57.2	53.2	No
81		2022-10-06	10:01:00	56.2	70.6	57.2	54.8	No
82		2022-10-06	10:01:10	53.6	67.4	54.8	52.7	No
83		2022-10-06	10:01:20	52.1	67.9	52.8	51.6	No
84		2022-10-06	10:01:30	53.3	67.4	54.1	52.5	No
85		2022-10-06	10:01:40	52.2	71.8	53.4	51.7	No
86		2022-10-06	10:01:50	52.2	76.2	54.0	51.5	No
87		2022-10-06	10:02:00	51.6	65.2	52.1	51.2	No
88		2022-10-06	10:02:10	54.0	67.1	55.4	51.9	No
89		2022-10-06	10:02:20	59.9	77.5	62.6	54.6	No
90		2022-10-06	10:02:30	65.1	82.8	69.0	60.9	No
91		2022-10-06	10:02:40	63.5	80.3	67.3	58.2	No
92		2022-10-06	10:02:50	53.9	68.4	58.2	52.7	No
93		2022-10-06	10:03:00	52.3	66.5	53.4	51.7	No
94		2022-10-06	10:03:10	51.5	63.4	51.9	51.1	No
95		2022-10-06	10:03:20	51.3	63.4	51.7	51.1	No
96		2022-10-06	10:03:30	51.9	66.7	54.1	51.2	No
97		2022-10-06	10:03:40	59.0	74.5	60.8	53.7	No
98		2022-10-06	10:03:50	60.1	76.1	62.6	56.3	No
99		2022-10-06	10:04:00	54.3	67.6	56.3	53.4	No
100		2022-10-06	10:04:10	56.8	79.9	57.7	53.9	No
101		2022-10-06	10:04:20	56.2	71.2	58.7	53.3	No
102		2022-10-06	10:04:30	52.6	65.5	53.6	52.1	No
103		2022-10-06	10:04:40	52.1	66.0	53.0	51.5	No
104		2022-10-06	10:04:50	51.5	65.8	52.4	50.9	No
105		2022-10-06	10:05:00	51.0	65.5	51.2	50.8	No
106		2022-10-06	10:05:10	51.1	64.9	51.3	50.9	No
107		2022-10-06	10:05:20	51.7	63.9	52.2	51.2	No
108		2022-10-06	10:05:30	51.4	64.9	52.0	51.1	No
109		2022-10-06	10:05:40	52.0	66.7	53.4	51.3	No
110		2022-10-06	10:05:50	54.8	68.6	55.7	53.4	No
111		2022-10-06	10:06:00	55.9	69.5	56.7	54.7	No
112		2022-10-06	10:06:10	53.8	67.1	55.8	53.0	No
113		2022-10-06	10:06:20	53.9	66.7	54.9	53.0	No
114		2022-10-06	10:06:30	54.7	68.5	56.2	53.3	No
115		2022-10-06	10:06:40	64.4	84.5	70.1	54.9	No
116		2022-10-06	10:06:50	71.4	85.7	72.2	69.6	No
117		2022-10-06	10:07:00	62.1	79.7	70.5	53.9	No
118		2022-10-06	10:07:10	51.4	65.2	53.9	50.9	No
119		2022-10-06	10:07:20	51.6	64.2	52.5	50.8	No
120		2022-10-06	10:07:30	60.1	76.4	62.7	52.5	No
121		2022-10-06	10:07:40	57.1	70.6	58.8	54.8	No
122		2022-10-06	10:07:50	53.8	74.1	55.4	53.1	No
123	Stop	2022-10-06	10:08:00					

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin	OBA OVLD	Marker	Comments
1	Calibration Change	2022-10-05	10:26:10							
2	Run	2022-10-05	10:28:00							
3		2022-10-05	10:28:00	48.3	61.2	49.4	48.1	No		
4		2022-10-05	10:28:10	51.1	66.2	53.6	48.6	No		
5		2022-10-05	10:28:20	53.0	67.7	54.9	51.0	No		
6		2022-10-05	10:28:30	49.9	64.9	51.8	48.1	No		
7		2022-10-05	10:28:40	48.2	61.2	48.7	47.7	No		
8		2022-10-05	10:28:50	52.3	72.8	56.3	48.0	No		
9		2022-10-05	10:29:00	50.2	67.2	56.0	49.3	No		
10		2022-10-05	10:29:10	50.1	62.4	50.6	49.6	No		
11		2022-10-05	10:29:20	50.7	71.3	55.8	47.6	No		
12		2022-10-05	10:29:30	52.9	72.7	56.1	51.2	No		
13		2022-10-05	10:29:40	51.1	65.4	54.6	47.7	No		
14		2022-10-05	10:29:50	48.0	63.8	48.6	47.5	No		
15		2022-10-05	10:30:00	48.6	61.8	49.4	48.0	No		
16		2022-10-05	10:30:10	48.5	62.4	49.1	47.8	No		
17		2022-10-05	10:30:20	57.7	74.0	60.7	48.8	No		
18		2022-10-05	10:30:30	59.1	73.8	60.9	55.8	No		
19		2022-10-05	10:30:40	52.3	71.8	55.8	50.4	No		
20		2022-10-05	10:30:50	47.5	60.4	54.3	46.9	No		
21		2022-10-05	10:31:00	46.9	60.4	47.3	46.6	No		
22		2022-10-05	10:31:10	46.9	61.8	47.5	46.3	No		
23		2022-10-05	10:31:20	50.8	67.9	51.7	47.4	No		
24		2022-10-05	10:31:30	52.0	72.7	53.3	51.1	No		
25		2022-10-05	10:31:40	49.9	63.4	51.2	49.2	No		
26		2022-10-05	10:31:50	50.5	79.6	56.8	47.5	No		
27		2022-10-05	10:32:00	51.5	71.9	57.8	47.3	No		
28		2022-10-05	10:32:10	49.0	62.4	53.9	48.7	No		
29		2022-10-05	10:32:20	48.7	65.2	50.1	47.7	No		
30		2022-10-05	10:32:30	47.9	60.4	48.2	47.2	No		
31		2022-10-05	10:32:40	48.0	64.5	50.0	46.9	No		
32		2022-10-05	10:32:50	52.8	75.6	58.4	47.9	No		
33		2022-10-05	10:33:00	59.4	74.9	62.1	52.2	No		
34		2022-10-05	10:33:10	56.3	74.1	61.7	53.0	No		
35		2022-10-05	10:33:20	62.1	80.2	65.7	53.1	No		
36		2022-10-05	10:33:30	66.2	83.8	67.5	63.1	No		
37		2022-10-05	10:33:40	54.4	70.8	63.0	50.2	No		
38		2022-10-05	10:33:50	48.3	73.6	50.5	47.0	No		
39		2022-10-05	10:34:00	46.5	64.9	47.8	45.6	No		
40		2022-10-05	10:34:10	55.0	71.3	57.6	47.8	No		
41		2022-10-05	10:34:20	47.9	71.3	56.1	45.5	No		
42		2022-10-05	10:34:30	46.4	63.4	47.6	45.5	No		
43		2022-10-05	10:34:40	52.1	67.5	54.5	47.7	No		
44		2022-10-05	10:34:50	56.7	71.9	58.7	53.8	No		
45		2022-10-05	10:35:00	61.6	76.7	63.8	58.1	No		
46		2022-10-05	10:35:10	64.3	79.7	66.3	62.8	No		
47		2022-10-05	10:35:20	59.1	74.4	64.1	53.1	No		
48		2022-10-05	10:35:30	50.1	66.2	53.1	47.1	No		
49		2022-10-05	10:35:40	49.3	66.4	53.5	46.1	No		
50		2022-10-05	10:35:50	49.1	65.2	50.7	47.4	No		
51		2022-10-05	10:36:00	58.3	74.3	61.3	50.7	No		
52		2022-10-05	10:36:10	56.4	71.0	60.4	53.8	No		
53		2022-10-05	10:36:20	53.5	67.7	57.1	51.2	No		
54		2022-10-05	10:36:30	61.7	77.8	64.3	55.5	No		
55		2022-10-05	10:36:40	66.3	81.7	67.8	63.7	No		
56		2022-10-05	10:36:50	58.8	75.5	65.4	51.4	No		
57		2022-10-05	10:37:00	50.0	62.9	51.4	49.0	No		
58		2022-10-05	10:37:10	52.6	66.8	54.1	50.6	No		
59		2022-10-05	10:37:20	47.8	61.2	50.6	46.8	No		
60		2022-10-05	10:37:30	46.8	60.4	47.6	46.3	No		
61		2022-10-05	10:37:40	51.9	67.0	54.7	47.5	No		
62		2022-10-05	10:37:50	59.3	75.2	62.1	53.8	No		
63		2022-10-05	10:38:00	58.1	76.2	61.3	54.1	No		
64		2022-10-05	10:38:10	66.1	82.8	67.9	60.4	No		
65		2022-10-05	10:38:20	62.5	81.3	68.8	57.4	No		
66		2022-10-05	10:38:30	52.1	70.8	57.3	50.2	No		
67		2022-10-05	10:38:40	57.8	79.2	59.9	51.9	No		
68		2022-10-05	10:38:50	55.0	74.2	59.5	50.2	No		
69		2022-10-05	10:39:00	50.9	71.1	54.1	49.1	No		
70		2022-10-05	10:39:10	52.4	69.1	53.7	51.0	No		
71		2022-10-05	10:39:20	53.5	71.5	54.8	51.1	No		
72		2022-10-05	10:39:30	49.8	68.7	51.8	48.6	No		
73		2022-10-05	10:39:40	53.6	69.1	55.4	48.6	No		
74		2022-10-05	10:39:50	55.7	70.5	58.7	53.2	No		
75		2022-10-05	10:40:00	60.8	78.6	64.6	54.1	No		
76		2022-10-05	10:40:10	60.0	75.2	64.7	55.8	No		
77		2022-10-05	10:40:20	54.3	71.3	58.7	50.2	No		
78		2022-10-05	10:40:30	56.9	72.0	58.5	52.2	No		
79		2022-10-05	10:40:40	58.2	73.3	60.6	53.2	No		

80		2022-10-05	10:40:50	51.1	69.0	55.2	48.3	No
81		2022-10-05	10:41:00	50.6	68.2	53.8	47.8	No
82		2022-10-05	10:41:10	50.3	69.8	55.7	47.9	No
83		2022-10-05	10:41:20	49.8	72.8	51.9	48.1	No
84		2022-10-05	10:41:30	49.1	70.9	49.9	48.4	No
85		2022-10-05	10:41:40	47.5	67.0	49.0	46.6	No
86		2022-10-05	10:41:50	48.1	62.9	48.7	47.4	No
87		2022-10-05	10:42:00	49.1	68.6	50.2	47.7	No
88		2022-10-05	10:42:10	49.8	65.2	51.7	47.0	No
89		2022-10-05	10:42:20	52.4	68.0	54.2	51.0	No
90		2022-10-05	10:42:30	60.8	77.8	63.1	54.3	No
91		2022-10-05	10:42:40	63.8	78.7	65.4	62.1	No
92		2022-10-05	10:42:50	60.2	77.0	65.0	53.5	No
93		2022-10-05	10:43:00	48.9	66.4	53.4	48.3	No
94		2022-10-05	10:43:10	54.7	70.5	58.1	48.3	No
95		2022-10-05	10:43:20	59.3	77.5	63.0	55.2	No
96		2022-10-05	10:43:30	54.9	70.0	56.6	52.8	No
97		2022-10-05	10:43:40	62.9	80.9	66.2	54.9	No
98		2022-10-05	10:43:50	57.5	77.0	65.7	50.4	No
99		2022-10-05	10:44:00	57.6	78.9	62.7	49.9	No
100		2022-10-05	10:44:10	62.2	81.2	64.4	58.2	No
101		2022-10-05	10:44:20	63.9	78.6	65.8	61.7	No
102		2022-10-05	10:44:30	64.9	81.1	67.5	59.9	No
103		2022-10-05	10:44:40	54.2	80.5	59.8	51.5	No
104		2022-10-05	10:44:50	50.7	69.3	52.6	48.9	No
105		2022-10-05	10:45:00	51.5	65.9	53.6	49.4	No
106		2022-10-05	10:45:10	50.8	65.2	53.2	49.4	No
107		2022-10-05	10:45:20	55.5	76.5	59.6	50.2	No
108		2022-10-05	10:45:30	60.5	79.4	61.6	59.5	No
109		2022-10-05	10:45:40	56.0	71.1	59.5	54.3	No
110		2022-10-05	10:45:50	62.3	78.9	64.5	54.0	No
111		2022-10-05	10:46:00	61.7	76.0	64.2	58.3	No
112		2022-10-05	10:46:10	54.7	73.2	59.9	51.2	No
113		2022-10-05	10:46:20	49.8	65.4	51.2	48.7	No
114		2022-10-05	10:46:30	50.3	75.3	55.6	47.4	No
115		2022-10-05	10:46:40	51.1	65.2	52.3	48.2	No
116		2022-10-05	10:46:50	56.9	76.0	61.1	49.6	No
117		2022-10-05	10:47:00	57.0	74.0	61.2	53.5	No
118		2022-10-05	10:47:10	59.0	76.6	60.1	56.6	No
119		2022-10-05	10:47:20	59.2	73.3	60.5	57.2	No
120		2022-10-05	10:47:30	57.5	72.5	60.6	54.5	No
121		2022-10-05	10:47:40	50.7	67.7	54.7	46.7	No
122		2022-10-05	10:47:50	44.7	56.4	46.9	44.0	No
123	Stop	2022-10-05	10:48:00					

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin	OBA OVLD	Marker	Comments
1	Run	2022-10-05	9:50:00							
2		2022-10-05	9:50:00	49.3	72.3	55.0	49.0	No		
3		2022-10-05	9:50:10	50.1	63.4	51.0	49.2	No		
4		2022-10-05	9:50:20	50.3	63.8	51.0	49.8	No		
5		2022-10-05	9:50:30	51.8	65.4	53.4	50.0	No		
6		2022-10-05	9:50:40	49.1	62.9	50.1	48.4	No		
7		2022-10-05	9:50:50	50.3	66.2	52.9	48.3	No		
8		2022-10-05	9:51:00	50.7	67.9	53.2	47.8	No		
9		2022-10-05	9:51:10	50.5	66.0	53.1	47.8	No		
10		2022-10-05	9:51:20	51.8	89.5	56.6	48.3	No		
11		2022-10-05	9:51:30	49.1	75.0	51.1	47.0	No		
12		2022-10-05	9:51:40	50.0	74.0	50.9	49.0	No		
13		2022-10-05	9:51:50	52.0	74.5	53.4	50.4	No		
14		2022-10-05	9:52:00	52.3	84.9	55.6	49.2	No		
15		2022-10-05	9:52:10	49.0	76.3	51.1	48.5	No		
16		2022-10-05	9:52:20	49.2	74.2	50.6	48.4	No		
17		2022-10-05	9:52:30	50.9	79.9	52.3	48.4	No		
18		2022-10-05	9:52:40	52.0	76.5	53.5	50.0	No		
19		2022-10-05	9:52:50	50.7	66.6	52.5	49.0	No		
20		2022-10-05	9:53:00	48.7	66.8	50.7	48.4	No		
21		2022-10-05	9:53:10	49.5	62.4	50.1	48.7	No		
22		2022-10-05	9:53:20	51.7	76.3	53.3	48.3	No		
23		2022-10-05	9:53:30	53.6	75.1	55.8	51.6	No		
24		2022-10-05	9:53:40	50.7	72.1	51.8	49.6	No		
25		2022-10-05	9:53:50	49.4	76.0	50.5	48.2	No		
26		2022-10-05	9:54:00	51.0	74.1	52.1	49.5	No		
27		2022-10-05	9:54:10	50.1	72.6	52.7	48.8	No		
28		2022-10-05	9:54:20	50.3	78.3	51.7	48.5	No		
29		2022-10-05	9:54:30	47.4	76.0	49.2	46.7	No		
30		2022-10-05	9:54:40	48.2	79.6	50.8	46.6	No		
31		2022-10-05	9:54:50	46.5	59.4	47.6	46.0	No		
32		2022-10-05	9:55:00	49.7	71.5	52.4	47.4	No		
33		2022-10-05	9:55:10	47.1	66.2	48.1	46.6	No		
34		2022-10-05	9:55:20	49.4	89.3	56.0	46.0	No		
35		2022-10-05	9:55:30	48.0	78.9	50.6	45.9	No		
36		2022-10-05	9:55:40	46.5	64.9	48.6	45.0	No		
37		2022-10-05	9:55:50	48.5	75.8	50.4	47.2	No		
38		2022-10-05	9:56:00	49.4	74.7	50.6	48.1	No		
39		2022-10-05	9:56:10	54.4	78.1	56.6	49.4	No		
40		2022-10-05	9:56:20	55.8	73.0	57.6	54.4	No		
41		2022-10-05	9:56:30	51.0	66.4	54.6	49.8	No		
42		2022-10-05	9:56:40	51.2	66.0	52.9	49.3	No		
43		2022-10-05	9:56:50	49.4	61.2	49.9	49.0	No		
44		2022-10-05	9:57:00	48.1	63.8	49.4	47.2	No		
45		2022-10-05	9:57:10	49.7	83.2	51.7	47.7	No		
46		2022-10-05	9:57:20	54.2	72.3	57.4	49.3	No		
47		2022-10-05	9:57:30	56.8	71.5	58.5	54.8	No		
48		2022-10-05	9:57:40	53.5	67.5	58.0	50.4	No		
49		2022-10-05	9:57:50	50.3	66.2	51.9	48.7	No		
50		2022-10-05	9:58:00	50.2	67.0	51.6	48.6	No		
51		2022-10-05	9:58:10	50.4	69.9	52.0	49.5	No		
52		2022-10-05	9:58:20	51.1	69.4	52.6	49.9	No		
53		2022-10-05	9:58:30	48.5	69.5	50.9	47.8	No		
54		2022-10-05	9:58:40	48.2	65.7	48.7	47.9	No		
55		2022-10-05	9:58:50	49.5	78.9	50.6	48.2	No		
56		2022-10-05	9:59:00	51.4	72.5	53.0	49.4	No		
57		2022-10-05	9:59:10	50.2	67.9	53.2	48.9	No		
58		2022-10-05	9:59:20	53.1	69.3	56.5	48.7	No		
59		2022-10-05	9:59:30	59.1	81.5	61.1	54.6	No		
60		2022-10-05	9:59:40	64.9	82.5	68.0	61.0	No		
61		2022-10-05	9:59:50	58.8	74.2	65.7	53.8	No		
62		2022-10-05	10:00:00	51.6	71.3	54.2	49.6	No		
63		2022-10-05	10:00:10	51.0	67.2	52.9	49.8	No		
64		2022-10-05	10:00:20	48.7	62.4	52.4	47.8	No		
65		2022-10-05	10:00:30	47.6	73.3	49.0	46.9	No		
66		2022-10-05	10:00:40	47.8	61.2	48.4	46.9	No		
67		2022-10-05	10:00:50	55.5	79.6	59.7	48.3	No		
68		2022-10-05	10:01:00	61.9	82.0	65.7	57.1	No		
69		2022-10-05	10:01:10	57.2	73.3	62.0	52.2	No		
70		2022-10-05	10:01:20	52.7	71.3	55.6	51.2	No		
71		2022-10-05	10:01:30	54.5	76.4	58.9	49.2	No		
72		2022-10-05	10:01:40	51.0	67.7	52.5	49.5	No		
73		2022-10-05	10:01:50	48.8	65.4	50.3	47.9	No		
74		2022-10-05	10:02:00	48.6	76.0	50.3	48.2	No		
75		2022-10-05	10:02:10	49.6	65.7	51.9	48.1	No		
76		2022-10-05	10:02:20	53.3	69.3	55.9	50.5	No		
77		2022-10-05	10:02:30	51.5	69.3	54.2	50.3	No		
78		2022-10-05	10:02:40	49.6	65.2	51.9	48.4	No		
79		2022-10-05	10:02:50	48.0	68.3	48.7	47.5	No		

80		2022-10-05	10:03:00	47.8	63.8	48.4	47.6	No
81		2022-10-05	10:03:10	49.7	68.2	52.3	47.4	No
82		2022-10-05	10:03:20	49.9	65.7	51.7	48.2	No
83		2022-10-05	10:03:30	47.7	66.8	48.8	47.2	No
84		2022-10-05	10:03:40	49.0	71.0	50.9	47.4	No
85		2022-10-05	10:03:50	48.3	61.8	50.0	47.4	No
86		2022-10-05	10:04:00	47.6	61.2	48.2	47.3	No
87		2022-10-05	10:04:10	49.5	65.2	51.0	47.8	No
88		2022-10-05	10:04:20	52.2	66.4	53.4	50.2	No
89		2022-10-05	10:04:30	58.4	74.5	60.7	52.6	No
90		2022-10-05	10:04:40	55.0	73.6	58.6	49.7	No
91		2022-10-05	10:04:50	49.2	66.8	50.1	48.8	No
92		2022-10-05	10:05:00	49.7	70.7	52.0	48.6	No
93		2022-10-05	10:05:10	48.7	73.1	49.8	47.9	No
94		2022-10-05	10:05:20	48.6	70.6	49.1	48.3	No
95		2022-10-05	10:05:30	49.0	64.2	49.4	48.6	No
96		2022-10-05	10:05:40	49.7	66.8	51.3	48.8	No
97		2022-10-05	10:05:50	48.4	63.8	49.4	47.7	No
98		2022-10-05	10:06:00	47.9	66.0	49.2	47.4	No
99		2022-10-05	10:06:10	48.5	76.0	49.1	47.9	No
100		2022-10-05	10:06:20	48.3	61.8	49.2	47.8	No
101		2022-10-05	10:06:30	49.3	76.7	51.2	48.3	No
102		2022-10-05	10:06:40	49.6	79.5	51.7	48.2	No
103		2022-10-05	10:06:50	48.7	63.4	50.5	47.5	No
104		2022-10-05	10:07:00	48.8	67.0	50.6	47.7	No
105		2022-10-05	10:07:10	47.6	64.9	50.4	46.5	No
106		2022-10-05	10:07:20	47.7	73.3	50.6	46.7	No
107		2022-10-05	10:07:30	49.1	66.8	51.0	46.4	No
108		2022-10-05	10:07:40	47.9	64.9	50.5	47.0	No
109		2022-10-05	10:07:50	49.5	74.3	51.3	47.3	No
110		2022-10-05	10:08:00	49.9	64.5	50.8	49.1	No
111		2022-10-05	10:08:10	50.3	66.2	51.7	48.9	No
112		2022-10-05	10:08:20	47.0	73.3	49.8	46.4	No
113		2022-10-05	10:08:30	46.7	67.4	48.8	45.9	No
114		2022-10-05	10:08:40	46.6	61.8	47.6	45.9	No
115		2022-10-05	10:08:50	46.4	61.2	47.8	45.9	No
116		2022-10-05	10:09:00	47.0	69.2	47.5	46.0	No
117		2022-10-05	10:09:10	47.3	64.2	49.8	46.3	No
118		2022-10-05	10:09:20	47.6	61.8	49.1	46.8	No
119		2022-10-05	10:09:30	49.5	64.5	50.4	48.7	No
120		2022-10-05	10:09:40	49.0	64.2	50.1	48.2	No
121		2022-10-05	10:09:50	48.3	63.4	48.9	47.8	No
122		2022-10-05	10:10:00	47.7	56.4	48.1	48.0	No
123	Stop	2022-10-05	10:10:01					

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin	OBA OVLD	Marker	Comments
1	Calibration Change	2022-10-05	12:08:50							
2	Calibration Change	2022-10-05	12:17:30							
3	Run	2022-10-05	12:23:00							
4		2022-10-05	12:23:00	48.2	72.1	51.4	47.3	No		
5		2022-10-05	12:23:10	54.9	76.9	61.0	48.7	No		
6		2022-10-05	12:23:20	57.8	73.4	61.2	54.6	No		
7		2022-10-05	12:23:30	60.4	75.5	62.6	57.3	No		
8		2022-10-05	12:23:40	58.5	76.0	62.4	52.6	No		
9		2022-10-05	12:23:50	51.4	71.2	53.8	50.0	No		
10		2022-10-05	12:24:00	46.6	60.2	50.7	45.9	No		
11		2022-10-05	12:24:10	46.2	61.7	46.9	45.8	No		
12		2022-10-05	12:24:20	46.0	67.1	46.4	45.7	No		
13		2022-10-05	12:24:30	46.5	61.7	48.3	45.6	No		
14		2022-10-05	12:24:40	47.1	63.3	47.5	46.7	No		
15		2022-10-05	12:24:50	48.5	63.3	49.9	46.8	No		
16		2022-10-05	12:25:00	48.9	73.6	49.8	47.8	No		
17		2022-10-05	12:25:10	54.3	76.7	61.6	47.3	No		
18		2022-10-05	12:25:20	47.2	65.8	48.8	47.0	No		
19		2022-10-05	12:25:30	47.2	68.4	47.8	46.7	No		
20		2022-10-05	12:25:40	46.8	61.0	47.1	46.5	No		
21		2022-10-05	12:25:50	47.8	69.7	49.7	46.6	No		
22		2022-10-05	12:26:00	54.8	72.3	58.8	48.7	No		
23		2022-10-05	12:26:10	47.6	68.4	48.7	47.2	No		
24		2022-10-05	12:26:20	49.0	68.4	52.1	46.9	No		
25		2022-10-05	12:26:30	48.6	64.0	51.7	47.7	No		
26		2022-10-05	12:26:40	46.3	60.2	47.7	45.7	No		
27		2022-10-05	12:26:50	47.0	65.3	47.8	46.1	No		
28		2022-10-05	12:27:00	47.6	72.6	48.0	47.1	No		
29		2022-10-05	12:27:10	46.6	62.8	47.8	46.1	No		
30		2022-10-05	12:27:20	46.6	62.8	47.1	46.1	No		
31		2022-10-05	12:27:30	47.8	67.9	49.0	46.9	No		
32		2022-10-05	12:27:40	50.8	66.0	52.3	48.3	No		
33		2022-10-05	12:27:50	53.5	68.9	55.7	51.1	No		
34		2022-10-05	12:28:00	58.6	75.5	61.5	55.2	No		
35		2022-10-05	12:28:10	65.8	83.5	68.8	58.7	No		
36		2022-10-05	12:28:20	63.8	82.8	69.2	58.1	No		
37		2022-10-05	12:28:30	56.3	74.8	58.1	54.7	No		
38		2022-10-05	12:28:40	49.9	68.9	55.5	48.9	No		
39		2022-10-05	12:28:50	51.1	65.0	52.4	49.1	No		
40		2022-10-05	12:29:00	51.0	66.7	52.3	49.9	No		
41		2022-10-05	12:29:10	49.1	62.8	50.7	47.9	No		
42		2022-10-05	12:29:20	48.5	63.7	50.9	46.8	No		
43		2022-10-05	12:29:30	49.2	64.4	51.1	47.0	No		
44		2022-10-05	12:29:40	56.0	70.7	58.1	51.2	No		
45		2022-10-05	12:29:50	60.9	77.0	63.7	56.9	No		
46		2022-10-05	12:30:00	68.8	85.0	71.3	61.7	No		
47		2022-10-05	12:30:10	66.3	81.7	71.3	61.9	No		
48		2022-10-05	12:30:20	60.8	78.8	64.9	55.4	No		
49		2022-10-05	12:30:30	52.1	67.2	55.9	49.8	No		
50		2022-10-05	12:30:40	56.2	74.0	59.7	49.8	No		
51		2022-10-05	12:30:50	49.8	70.1	53.3	48.5	No		
52		2022-10-05	12:31:00	56.0	75.0	60.3	50.8	No		
53		2022-10-05	12:31:10	52.4	71.6	57.3	49.6	No		
54		2022-10-05	12:31:20	56.4	78.1	58.4	54.8	No		
55		2022-10-05	12:31:30	57.4	75.5	60.8	53.7	No		
56		2022-10-05	12:31:40	65.5	82.3	68.2	60.8	No		
57		2022-10-05	12:31:50	64.7	85.1	68.1	60.7	No		
58		2022-10-05	12:32:00	55.7	75.1	60.7	52.3	No		
59		2022-10-05	12:32:10	49.7	74.0	52.3	48.8	No		
60		2022-10-05	12:32:20	50.4	66.9	51.3	49.3	No		
61		2022-10-05	12:32:30	49.0	65.6	50.7	47.8	No		
62		2022-10-05	12:32:40	47.7	60.2	48.2	47.3	No		
63		2022-10-05	12:32:50	49.3	63.3	51.5	47.5	No		
64		2022-10-05	12:33:00	49.4	63.7	51.4	47.8	No		
65		2022-10-05	12:33:10	49.1	85.4	53.9	47.2	No		
66		2022-10-05	12:33:20	46.2	66.0	47.2	45.9	No		
67		2022-10-05	12:33:30	46.5	75.9	47.8	45.9	No		
68		2022-10-05	12:33:40	47.3	61.7	48.8	46.2	No		
69		2022-10-05	12:33:50	51.0	65.3	52.5	48.8	No		
70		2022-10-05	12:34:00	56.7	75.6	60.1	51.6	No		
71		2022-10-05	12:34:10	59.7	75.8	62.5	57.4	No		
72		2022-10-05	12:34:20	52.9	70.4	57.6	49.8	No		
73		2022-10-05	12:34:30	48.8	63.3	49.9	48.2	No		
74		2022-10-05	12:34:40	47.7	61.0	48.7	46.9	No		
75		2022-10-05	12:34:50	48.2	62.8	50.2	46.7	No		
76		2022-10-05	12:35:00	46.3	60.2	47.2	45.8	No		
77		2022-10-05	12:35:10	53.4	76.8	60.9	45.8	No		
78		2022-10-05	12:35:20	55.0	72.6	58.7	50.1	No		
79		2022-10-05	12:35:30	52.7	73.0	59.1	48.3	No		

80		2022-10-05	12:35:40	55.1	79.4	59.0	48.4	No
81		2022-10-05	12:35:50	55.1	75.2	59.9	49.6	No
82		2022-10-05	12:36:00	54.0	72.1	59.5	48.7	No
83		2022-10-05	12:36:10	58.0	73.9	61.1	48.6	No
84		2022-10-05	12:36:20	60.8	76.3	64.6	52.9	No
85		2022-10-05	12:36:30	48.8	78.9	52.9	46.9	No
86		2022-10-05	12:36:40	47.6	69.2	49.8	46.3	No
87		2022-10-05	12:36:50	55.0	73.0	59.6	48.4	No
88		2022-10-05	12:37:00	46.8	64.7	48.3	46.0	No
89		2022-10-05	12:37:10	46.3	74.1	47.9	45.7	No
90		2022-10-05	12:37:20	46.0	68.6	46.8	45.5	No
91		2022-10-05	12:37:30	49.6	69.3	53.8	46.2	No
92		2022-10-05	12:37:40	51.7	77.2	56.5	47.7	No
93		2022-10-05	12:37:50	53.8	74.4	58.9	47.6	No
94		2022-10-05	12:38:00	51.1	70.4	55.5	46.9	No
95		2022-10-05	12:38:10	52.4	72.4	56.6	46.7	No
96		2022-10-05	12:38:20	58.5	73.7	60.9	55.3	No
97		2022-10-05	12:38:30	57.8	75.8	61.7	48.0	No
98		2022-10-05	12:38:40	46.5	67.2	47.9	46.1	No
99		2022-10-05	12:38:50	46.5	76.8	48.5	45.7	No
100		2022-10-05	12:39:00	47.3	60.2	47.6	46.5	No
101		2022-10-05	12:39:10	48.4	69.9	50.6	47.3	No
102		2022-10-05	12:39:20	47.1	62.3	47.4	46.7	No
103		2022-10-05	12:39:30	47.2	61.0	47.7	46.8	No
104		2022-10-05	12:39:40	47.6	70.8	48.4	47.0	No
105		2022-10-05	12:39:50	47.8	65.8	48.8	47.2	No
106		2022-10-05	12:40:00	50.6	71.0	56.2	47.3	No
107		2022-10-05	12:40:10	57.6	75.5	60.9	54.2	No
108		2022-10-05	12:40:20	56.4	74.7	60.6	50.1	No
109		2022-10-05	12:40:30	48.3	64.7	50.3	47.5	No
110		2022-10-05	12:40:40	48.3	63.7	49.3	47.7	No
111		2022-10-05	12:40:50	47.8	62.8	48.9	47.1	No
112		2022-10-05	12:41:00	47.1	63.3	48.2	46.3	No
113		2022-10-05	12:41:10	49.8	68.9	52.9	46.8	No
114		2022-10-05	12:41:20	53.9	71.8	55.7	50.3	No
115		2022-10-05	12:41:30	51.6	66.5	54.0	49.2	No
116		2022-10-05	12:41:40	49.0	72.9	51.7	46.5	No
117		2022-10-05	12:41:50	52.6	69.3	55.3	48.3	No
118		2022-10-05	12:42:00	48.5	63.7	48.9	48.0	No
119		2022-10-05	12:42:10	50.9	76.9	52.3	48.8	No
120		2022-10-05	12:42:20	50.3	62.8	51.2	49.6	No
121		2022-10-05	12:42:30	51.7	67.4	53.3	49.4	No
122		2022-10-05	12:42:40	53.1	66.7	54.5	51.8	No
123		2022-10-05	12:42:50	57.1	74.8	59.1	53.0	No
124	Stop	2022-10-05	12:43:00					

Record #	Record Type	Date	Time	LAeq	LApeak	LASmax	LASmin	OBA OVLD	Marker	Comments
1	Calibration Change	2022-10-06	11:04:19							
2	Run	2022-10-06	11:08:00							
3		2022-10-06	11:08:00	47.8	65.1	56.5	47.6	No		
4		2022-10-06	11:08:10	47.9	60.4	48.4	47.4	No		
5		2022-10-06	11:08:20	49.7	66.6	51.8	47.4	No		
6		2022-10-06	11:08:30	59.5	78.4	63.6	49.9	No		
7		2022-10-06	11:08:40	65.5	82.2	68.9	59.3	No		
8		2022-10-06	11:08:50	63.9	81.9	69.0	55.6	No		
9		2022-10-06	11:09:00	49.5	63.8	55.6	47.6	No		
10		2022-10-06	11:09:10	47.0	60.4	47.6	46.7	No		
11		2022-10-06	11:09:20	46.8	59.4	47.3	46.5	No		
12		2022-10-06	11:09:30	47.3	61.2	47.9	47.0	No		
13		2022-10-06	11:09:40	47.3	60.4	47.8	46.9	No		
14		2022-10-06	11:09:50	47.2	60.4	47.5	46.9	No		
15		2022-10-06	11:10:00	47.6	62.9	48.2	47.1	No		
16		2022-10-06	11:10:10	47.0	60.4	47.3	46.7	No		
17		2022-10-06	11:10:20	47.1	59.4	47.3	46.6	No		
18		2022-10-06	11:10:30	47.2	61.2	47.6	46.7	No		
19		2022-10-06	11:10:40	47.5	61.2	48.6	47.2	No		
20		2022-10-06	11:10:50	47.4	59.4	47.6	47.1	No		
21		2022-10-06	11:11:00	48.6	62.4	49.1	47.4	No		
22		2022-10-06	11:11:10	48.6	61.2	49.1	48.0	No		
23		2022-10-06	11:11:20	48.8	61.8	49.9	48.1	No		
24		2022-10-06	11:11:30	49.0	62.9	49.9	48.3	No		
25		2022-10-06	11:11:40	54.0	71.0	57.7	49.8	No		
26		2022-10-06	11:11:50	62.8	82.5	66.9	55.4	No		
27		2022-10-06	11:12:00	66.9	85.6	70.3	62.7	No		
28		2022-10-06	11:12:10	55.2	73.3	62.9	48.5	No		
29		2022-10-06	11:12:20	52.4	66.2	54.6	48.1	No		
30		2022-10-06	11:12:30	47.3	60.4	50.5	47.0	No		
31		2022-10-06	11:12:40	47.6	71.7	49.4	46.9	No		
32		2022-10-06	11:12:50	46.9	61.2	48.8	46.7	No		
33		2022-10-06	11:13:00	47.0	60.4	47.2	46.6	No		
34		2022-10-06	11:13:10	47.1	59.4	47.6	46.9	No		
35		2022-10-06	11:13:20	47.0	61.8	47.2	46.9	No		
36		2022-10-06	11:13:30	47.7	60.4	48.1	47.1	No		
37		2022-10-06	11:13:40	48.0	61.8	49.7	47.1	No		
38		2022-10-06	11:13:50	47.6	61.2	48.1	47.3	No		
39		2022-10-06	11:14:00	47.7	71.6	49.0	47.2	No		
40		2022-10-06	11:14:10	47.3	60.4	47.6	47.0	No		
41		2022-10-06	11:14:20	47.4	60.4	47.7	47.2	No		
42		2022-10-06	11:14:30	48.4	62.4	49.3	47.7	No		
43		2022-10-06	11:14:40	51.5	68.4	55.2	48.3	No		
44		2022-10-06	11:14:50	55.1	73.6	58.0	49.3	No		
45		2022-10-06	11:15:00	58.3	77.3	61.2	56.6	No		
46		2022-10-06	11:15:10	53.5	69.6	56.8	51.0	No		
47		2022-10-06	11:15:20	49.4	69.5	51.4	47.7	No		
48		2022-10-06	11:15:30	47.6	60.4	48.1	47.2	No		
49		2022-10-06	11:15:40	47.4	60.4	47.7	47.2	No		
50		2022-10-06	11:15:50	47.5	60.4	47.8	47.3	No		
51		2022-10-06	11:16:00	47.6	61.2	48.3	47.1	No		
52		2022-10-06	11:16:10	48.1	60.4	48.6	47.7	No		
53		2022-10-06	11:16:20	48.1	60.4	48.7	47.6	No		
54		2022-10-06	11:16:30	51.9	68.3	55.0	48.4	No		
55		2022-10-06	11:16:40	58.5	75.8	61.9	54.9	No		
56		2022-10-06	11:16:50	63.5	79.2	66.7	56.6	No		
57		2022-10-06	11:17:00	71.1	85.4	73.2	66.7	No		
58		2022-10-06	11:17:10	62.8	77.2	68.1	58.3	No		
59		2022-10-06	11:17:20	57.4	71.8	58.7	54.2	No		
60		2022-10-06	11:17:30	50.4	63.8	54.1	48.4	No		
61		2022-10-06	11:17:40	48.1	61.2	49.1	47.2	No		
62		2022-10-06	11:17:50	48.1	61.2	49.3	47.1	No		
63		2022-10-06	11:18:00	47.5	60.4	47.9	47.2	No		
64		2022-10-06	11:18:10	48.3	62.9	48.8	47.7	No		
65		2022-10-06	11:18:20	48.3	66.2	48.9	47.6	No		
66		2022-10-06	11:18:30	49.9	66.2	52.3	47.9	No		
67		2022-10-06	11:18:40	51.1	67.2	52.3	49.7	No		
68		2022-10-06	11:18:50	49.7	65.1	52.3	48.4	No		
69		2022-10-06	11:19:00	50.2	66.6	51.5	48.6	No		
70		2022-10-06	11:19:10	48.3	62.4	48.9	47.8	No		
71		2022-10-06	11:19:20	47.6	61.2	48.3	47.3	No		
72		2022-10-06	11:19:30	48.6	81.6	50.7	47.5	No		
73		2022-10-06	11:19:40	48.2	61.8	48.5	47.6	No		
74		2022-10-06	11:19:50	51.0	65.1	52.8	48.5	No		
75		2022-10-06	11:20:00	48.3	62.4	52.1	47.2	No		
76		2022-10-06	11:20:10	47.2	65.1	47.5	47.0	No		
77		2022-10-06	11:20:20	47.3	59.4	47.6	47.1	No		
78		2022-10-06	11:20:30	47.6	67.2	48.2	47.2	No		
79		2022-10-06	11:20:40	47.7	66.6	48.3	47.3	No		

80		2022-10-06	11:20:50	47.6	65.1	48.0	47.3	No
81		2022-10-06	11:21:00	47.3	62.4	47.7	47.0	No
82		2022-10-06	11:21:10	47.5	60.4	47.9	47.3	No
83		2022-10-06	11:21:20	47.8	61.2	48.0	47.5	No
84		2022-10-06	11:21:30	47.7	60.4	47.9	47.5	No
85		2022-10-06	11:21:40	48.9	66.2	50.7	47.7	No
86		2022-10-06	11:21:50	48.9	68.8	50.2	48.4	No
87		2022-10-06	11:22:00	53.6	70.8	55.2	49.2	No
88		2022-10-06	11:22:10	53.0	71.5	55.5	50.5	No
89		2022-10-06	11:22:20	55.7	74.2	59.6	51.5	No
90		2022-10-06	11:22:30	61.6	82.1	65.6	55.6	No
91		2022-10-06	11:22:40	64.6	80.8	67.0	62.3	No
92		2022-10-06	11:22:50	55.6	73.6	64.8	51.5	No
93		2022-10-06	11:23:00	49.7	65.1	51.5	48.0	No
94		2022-10-06	11:23:10	47.5	62.4	48.4	47.2	No
95		2022-10-06	11:23:20	47.8	63.8	48.1	47.3	No
96		2022-10-06	11:23:30	47.8	64.2	48.3	47.2	No
97		2022-10-06	11:23:40	51.4	67.2	54.5	47.5	No
98		2022-10-06	11:23:50	51.0	68.0	55.2	46.3	No
99		2022-10-06	11:24:00	47.2	74.7	49.3	46.4	No
100		2022-10-06	11:24:10	47.3	60.4	47.8	46.9	No
101		2022-10-06	11:24:20	47.4	60.4	47.7	47.1	No
102		2022-10-06	11:24:30	47.6	61.8	47.9	47.3	No
103		2022-10-06	11:24:40	47.1	59.4	47.5	46.9	No
104		2022-10-06	11:24:50	47.2	76.9	48.9	46.6	No
105		2022-10-06	11:25:00	47.3	61.8	48.0	47.0	No
106		2022-10-06	11:25:10	47.5	62.4	47.8	47.1	No
107		2022-10-06	11:25:20	47.3	59.4	47.6	47.0	No
108		2022-10-06	11:25:30	47.2	64.8	47.7	47.0	No
109		2022-10-06	11:25:40	47.5	60.4	47.8	47.0	No
110		2022-10-06	11:25:50	48.0	60.4	48.9	47.4	No
111		2022-10-06	11:26:00	51.4	65.4	52.6	48.9	No
112		2022-10-06	11:26:10	48.4	68.3	49.4	48.1	No
113		2022-10-06	11:26:20	52.2	74.3	55.9	48.2	No
114		2022-10-06	11:26:30	52.0	75.9	55.8	50.8	No
115		2022-10-06	11:26:40	51.0	66.6	51.8	50.5	No
116		2022-10-06	11:26:50	53.2	66.4	54.9	50.4	No
117		2022-10-06	11:27:00	57.4	75.2	60.9	52.9	No
118		2022-10-06	11:27:10	64.4	80.7	66.7	59.0	No
119		2022-10-06	11:27:20	64.4	82.1	67.3	57.6	No
120		2022-10-06	11:27:30	55.8	73.7	60.0	52.8	No
121		2022-10-06	11:27:40	53.7	70.4	55.7	51.9	No
122		2022-10-06	11:27:50	52.3	65.1	53.4	51.7	No
123	Stop	2022-10-06	11:28:00					
124	Calibration Change	2022-10-06	11:30:23					

Noise Appendix

Field Sheets

Long Term Monitoring Tracking Sheet

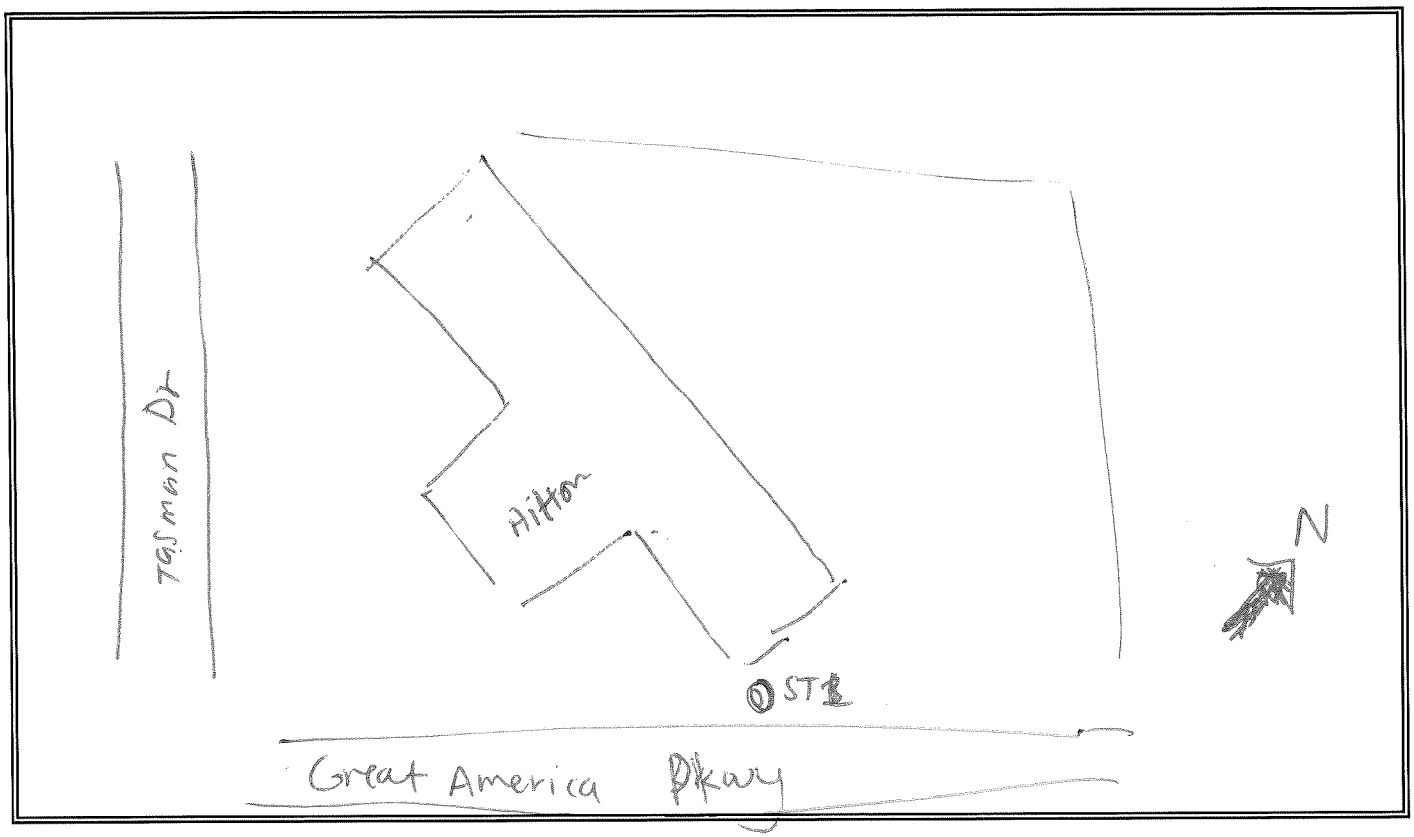
Meter Locations

Site #	Meter #	Start Time	Start Date	Stop Time	Stop Date	Start Cal	End Cal	Lock #	Location Description
LT-2	Pico2 I	9:09	20221005	10:20	20221006	94.6	94.5	#12 Car	Light Post intersection of Prescott + ~~Apache~~ ~~Dynamic~~ Manzano
LT-1	Pico2 D	9:22	↓	10:35	20221006	94.0	94.1	Car 5366	NW corner of Petco inc Parking lot
LT-3	Pico2 T	9:30		10:40	20221006	94.0	94.2	Car PAST	NE of Dynamic Guy with weed whip walked up & s

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Mission point
PROJECT #:
SITE NUMBER: ST-1
DATE/TIME: 2022-10-05 (11:03AM)
LOCATION/ADDRESS: 4949 Great American Pkwy
ENGINEERS: Schumaker

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity) data. 057
partly cloudy
60.4
1 mph
77.8

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)
831
1st calibrate -0.01dB
2nd calibrate

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)
POSTED SPEED: 40 mph COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

ICF

PROJECT NAME: _____ PROJECT #: _____

SITE NUMBER: _____ DATE/TIME: _____

LOCATION/ADDRESS: _____ ENGINEERS: _____

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)	
1	11:09						cars, big truck (drove close by), trucks, bus, plane	
2	10						train truck, cars + trucks	
3	11						trash/haul truck, cars, train bells	
4	12						train bell, bus, cars, fast car acceleration	
5	13						cars, plane	
6	14						cars, train bell, car dragging/grating over something big (tracks)	
7	15						plane, cars, train bells, truck	
8	16						cars, bus, haul/big truck, truck w/ flatbed trailer	
9	17						plane, cars	
10	18						cars, bus, car acceleration	
11	19						cars, big 18-wheeler truck	
12	20						cars, truck w/ trailers car door closing/starting	
13	21						cars, train bells, car close by in front driving	
14	22						plane, cars, car over tracks	Leq 61.8
15	23						cars, train bells, plane	Lmax 74.0
16	24						plane, cars, train bells bus	Lmin 48.8
17	25						cars, haul truck, plane, 18wheeler/front truck	L10 65.6
18	26						18 wheel front truck cars, haul truck + haul truck going over tracks	L33.25 61.4
19	27						cars, plane, 2 big trucks	L50 58.4
20	28						plane, cars	L90 52.2

Overall Leq (Include "O" minutes, Exclude "X" minutes) = _____ dBA

Subset Leq (Exclude "O" and "X" minutes) = _____ dBA

"O" = other characteristic sources that contributed to the Leq

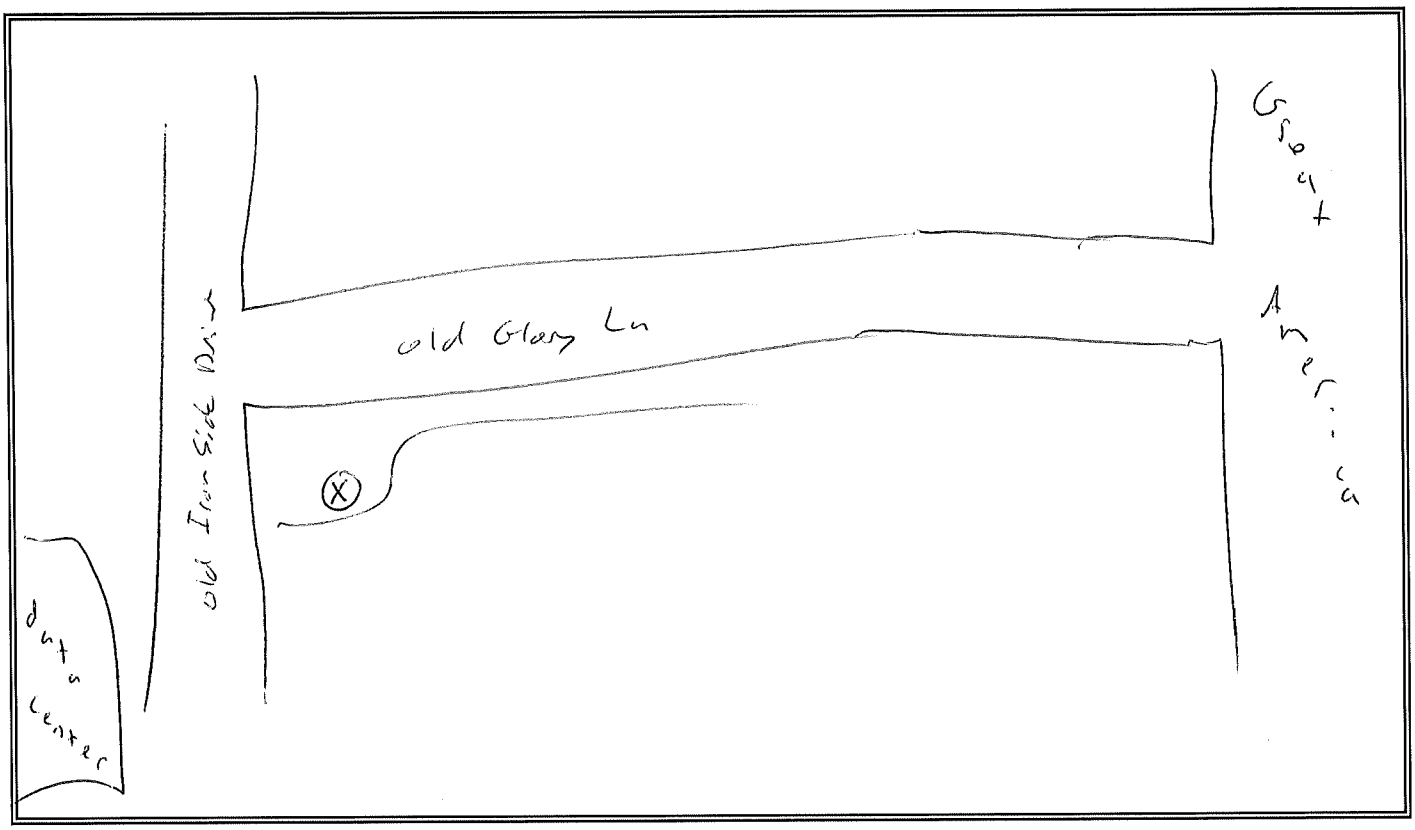
"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

40 mph

NOISE MEASUREMENT SITE INFORMATION SHEET

PROJECT NAME: Mission Point
PROJECT #:
SITE NUMBER: ST-2
DATE/TIME: 2022 10 06
LOCATION/ADDRESS: 4699 old Ironside drive
ENGINEERS: Schumacher

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

59.0	0.8	overcast	88.7

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

831

1st calibration : -0.02 dB

2nd calibration : +0.02 dB

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction) —

POSTED SPEED: 25mph COMMENTS: —

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy		Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

PROJECT NAME: Mission Point
PROJECT #:
SITE NUMBER: ST-2
DATE/TIME: 9:48AM 2022 10 06
LOCATION/ADDRESS: 41699 old Ironside Drive
ENGINEERS:

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)
1	48						Traffic noise from Great America
2	49						Squeeky trailer and Fedex drive by.
3	50						traffic from Great America Pkwy (GAP)
4	51						traffic from GAP, cars on old Ironside (2)
5	52						Plane over head. car on old Ironside
6	53						Medium Truck on Great America. Great America traffic
7	54						chevy volt whips through old Ironside
8	55						wave of traffic on Great America
9	56						crows Medium truck & Bus on Great America. wave of Great America traffic.
10	57						Plane overhead. (far away)
11	58					car looks	cars in parking lot Ironside traffic Lexus turns from old glory to old Ironside
12	59						mazda whips through Tesla whips through (OID)
13	00						guy yells in distance.
14	01						cars in parking lot.
15	02						Plane overhead Truck with trailer on OID
16	03						
17	04						Plane over head cars on old Glory Lane
18	05						
19	06						Plane overhead.
20	07						Traffic wave on GAP Car in Parking lot

Leq	58.3
Lmax	73.1
Lmin	50.8
L10	59.5
L25	56.1
L50	54.0
L90	51.6

Overall Leq (Include "O" minutes, Exclude "X" minutes) = dBA
Subset Leq (Exclude "O" and "X" minutes) = dBA

data center HVAC humming throughout
waves of traffic on Great America
Birds chirp throughout

"O" = other characteristic sources that contributed to the Leq

"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

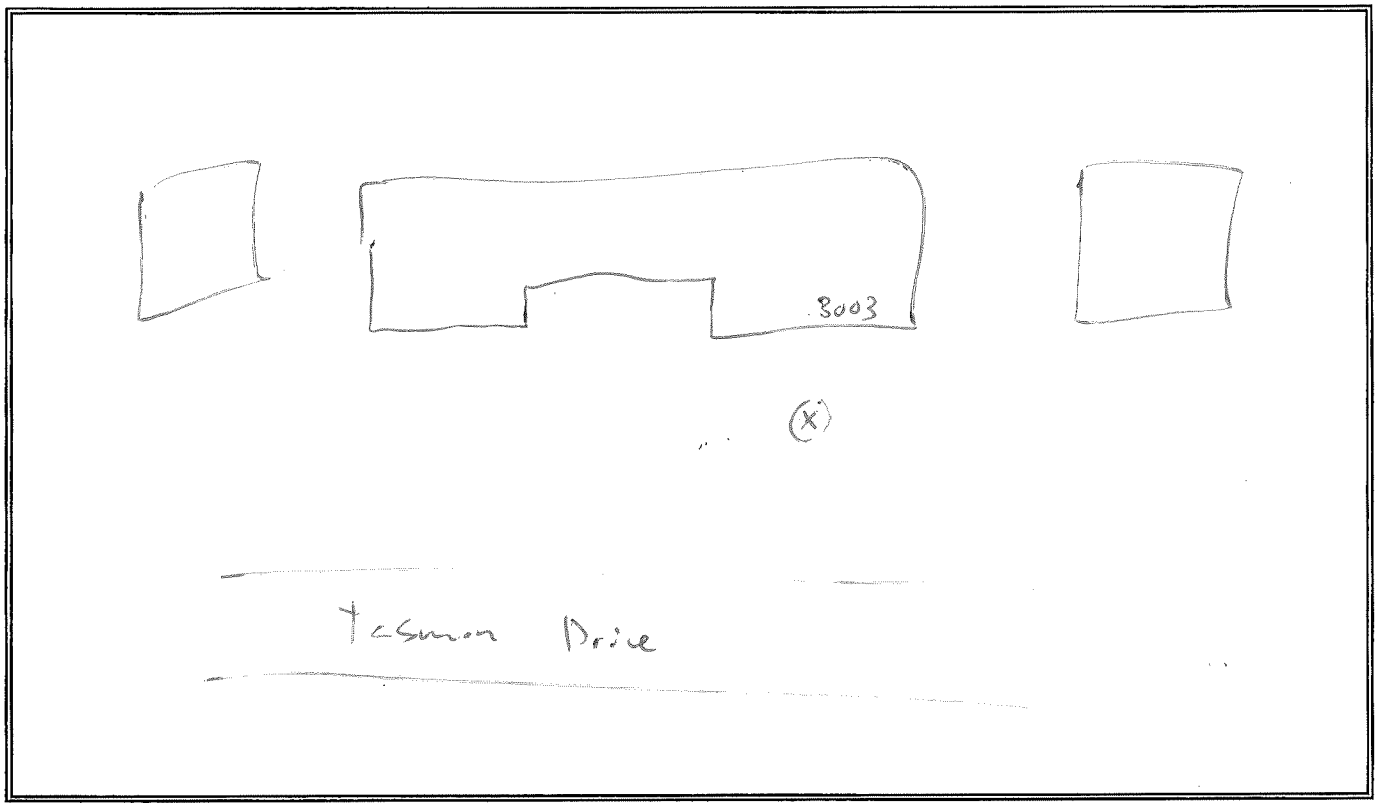
Data 060

NOISE MEASUREMENT SITE INFORMATION SHEET

Jones & Stokes

PROJECT NAME: Mission Point
PROJECT #:
SITE NUMBER: ST-3
DATE/TIME: 2022 10 05
LOCATION/ADDRESS: 3003 Tasman Dr
ENGINEERS: Schumaker

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

57.1 | 1.4 | Overcast | 94.1

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

931 | 1st calibrate 114.02 dB | Data. 056

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

Jones & Stokes

PROJECT NAME: _____ PROJECT #: _____

SITE NUMBER: _____ DATE/TIME: _____

LOCATION/ADDRESS: _____ ENGINEERS: _____

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)
1	10:28						vehicle traffic on Tasman
2	10:29						Crows Crows
3	10:30						Traffic on Tasman crow.
4	10:31						Traffic on Tasman.
5	10:32						Train bell and train take off slowly Train bell
6	10:33						Bus on Tasman Plane overhead
7	10:34						Train bells Plane overhead
8	10:35						ducks swooping at sidewalk next to 3001
9	10:36						vehicle traffic Slow train to stop Planes
10	10:37						cars pass by Train making sweep sounds 2-story bus passes
11	10:38						Plane fly by Tasman traffic
12	10:39						Tacoma passes by in parking lot Plane overhead
13	10:40						Tasman traffic Train bells and slowly drives east to old Ironside Train announcement
14	10:41						van start up. Train bells @ old Ironside
15	10:42				cars on Tasman.		Train whistle (distant) plane overhead
16	10:43						Train Pass by w/ Bells Bus and van drive by
17	10:44						Train Pass by Plane over head
18	10:45						Tasman Traffic Plane overhead
19	10:46						Train bells. Tasman traffic
20	10:47						bells of train plane overhead-

Leq	57.5
Lmax	68.8
Lmin	44.0
L10	62.0
L25	57.7
L50	52.1
L90	47.7

Overall Leq (Include "O" minutes, Exclude "X" minutes) = _____ dBA

Subset Leq (Exclude "O" and "X" minutes) = _____ dBA

electric hum throughout

Beeping (slow cooks?)

"O" = other characteristic sources that contributed to the Leq

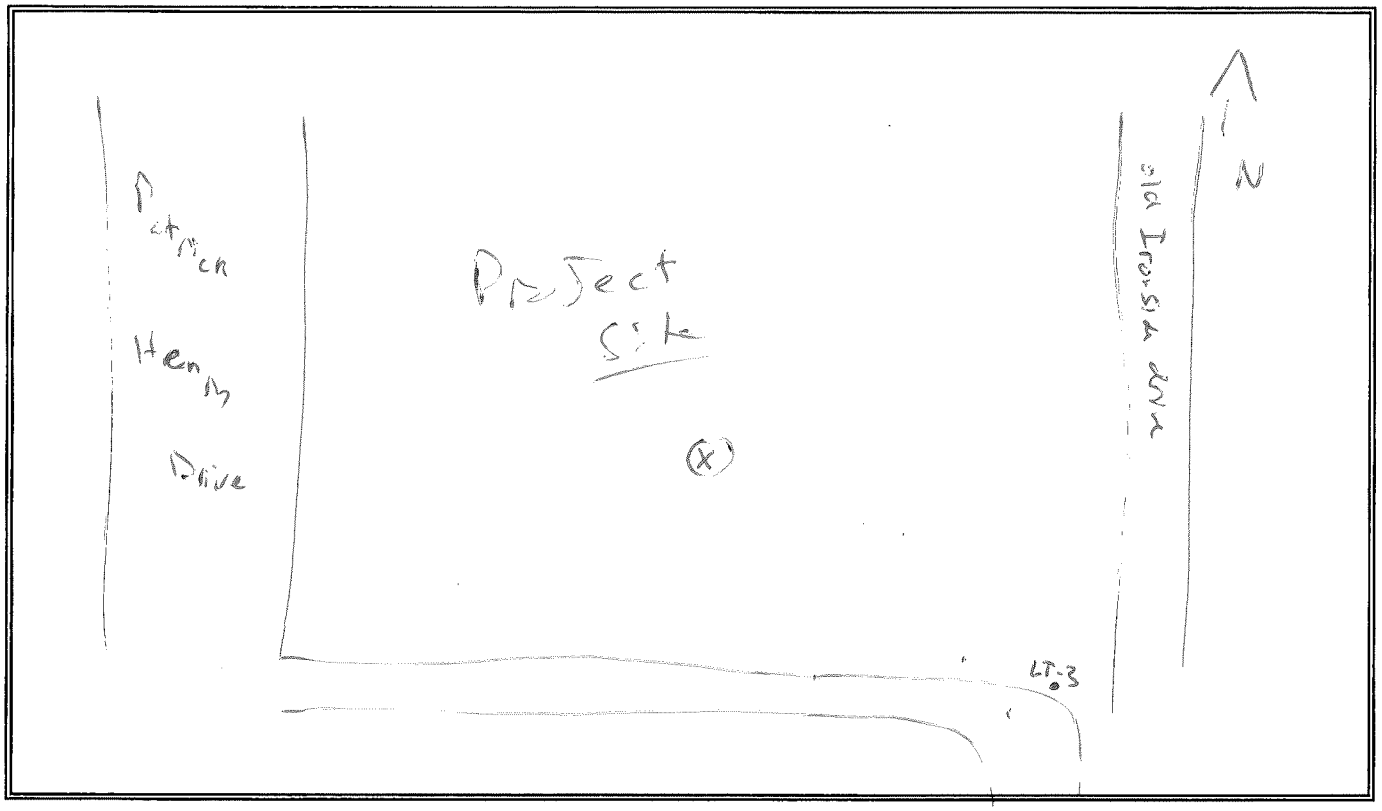
"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

NOISE MEASUREMENT SITE INFORMATION SHEET

Jones & Stokes

PROJECT NAME: Mission Point
PROJECT #: —
SITE NUMBER: ST-4
DATE/TIME: 20221005
LOCATION/ADDRESS: on Project Site
ENGINEERS: Schneider

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

56.4	1.3 mph	overcast	90%

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

LD 831 — First Calibration -0.08 dB — 831 — Data OSS — 2nd calibration -0.01 dB

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction) —

POSTED SPEED: — COMMENTS: Lawn care work in distance

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

Jones & Stokes

PROJECT NAME: Mission Point
PROJECT #: —
SITE NUMBER: ST-4
DATE/TIME: 9:50AM 2022 10 05
LOCATION/ADDRESS: on site
ENGINEERS: Schumacher

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)
1	9:50						Lawn equipment in distance Backup beeps
2	9:51						Leaf Blower idle crows
3	9:52						Mechanical noise coming from South East of site
4	9:53						Plane overhead
5	9:54						hydraulic brake hiss (far away)
6	9:55						Bang / Clanking to North west
7	9:56						Plane overhead
8	9:57						another Plane
9	9:58						Truck with Trailer on Patrick Henry,
10	9:59						Vehicles pass by on Patrick Henry Plane overhead
11	10:00						Plane overhead crows
12	10:01						
13	10:02						old Tahoe rumbles by
14	10:03						crows
15	10:04						Plane overhead
16	10:05				~100ft South of here		Scooter glide hanging by recycle Bin
17	10:06						
18	10:07						crows
19	10:08						
20	10:09						car on Patrick Henry

Leq	52.2
Lmax	68.0
Lmin	45.0
L10	53.9
L33.25	51.1
L50	49.4
L90	47.3

Overall Leq (Include "O" minutes, Exclude "X" minutes) = _____ dBA
Subset Leq (Exclude "O" and "X" minutes) = _____ dBA

Mechanical noise from Southeast Study throughout

"O" = other characteristic sources that contributed to the Leq

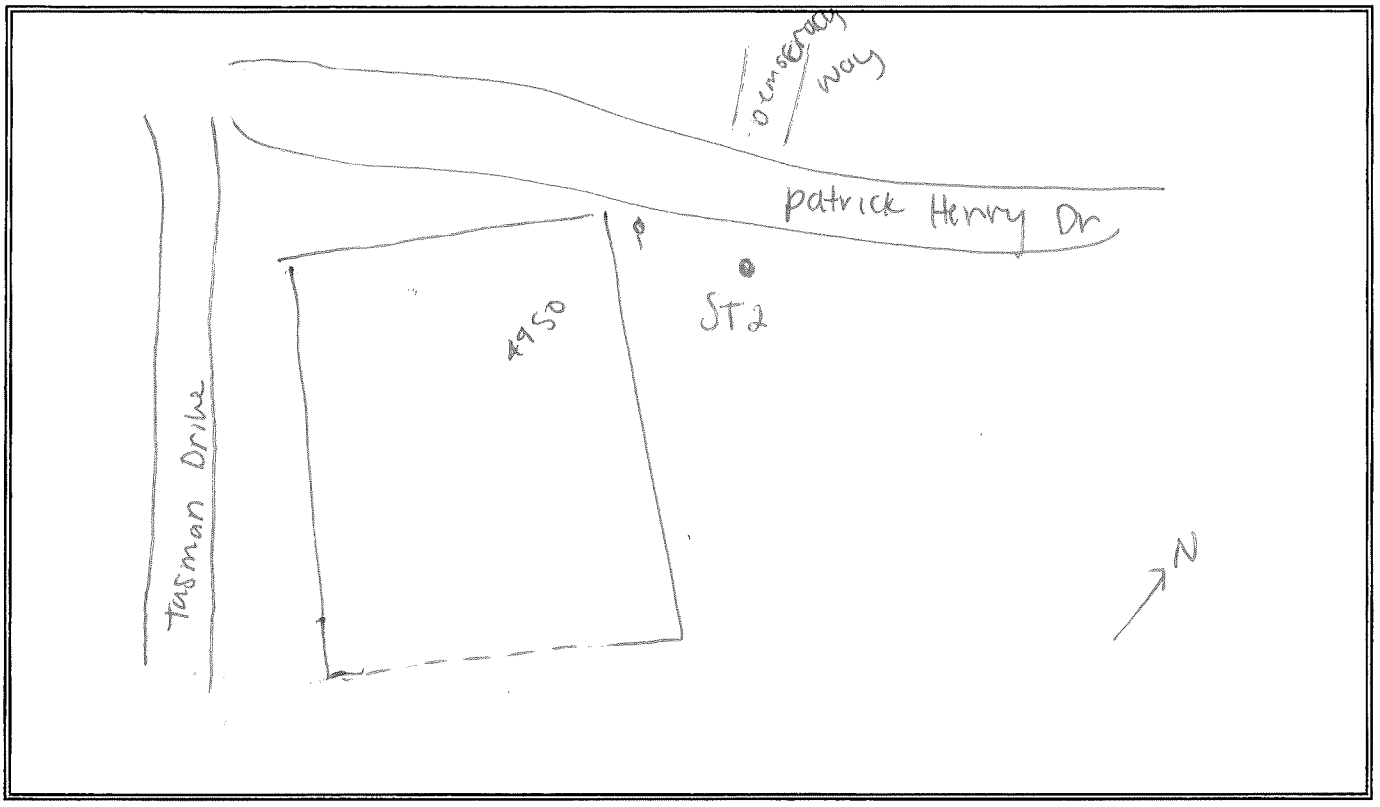
"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

NOISE MEASUREMENT SITE INFORMATION SHEET

Jones & Stokes

PROJECT NAME: Mission Point
PROJECT #:
SITE NUMBER: ST-5
DATE/TIME: ~~10/5/2022~~ 2022-10-05
LOCATION/ADDRESS: 4950 Patrick Henry Dr
ENGINEERS: Schumaker

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

66.8 | 1.4mph | clear skies | 72.3

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

data. 059

2nd calibration: -0.97

1st calibrate +0.06

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: 25 mph COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

Jones & Stokes

PROJECT NAME: _____ PROJECT #: _____

SITE NUMBER: _____ DATE/TIME: _____

LOCATION/ADDRESS: _____ ENGINEERS: _____

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)
1	12:23						car in parking lot, cars on patrick henry (PH)
2	24						birds, loud bird, plane, mower
3	25						mower? exhaust, birds
4	26						car on PH, plane, train, birds
5	27						birds, train movement, plane
6	28						cars on PH, plane (close), train or construction? (prob train moving)
7	29						plane, birds, train movement plane (close)
8	30						plane (close), truck + cars on PH, car beeping, train, truck reversal beep
9	31						Cars on PH, train/construction?, plane (close)
10	32						cars on democracy way, train extra moving?, cars on PH birds, car in parking lot driving, parking, plane
11	33						plane (close), train moving, cars on PH
12	34						birds, haul truck on tasman Dr, train/construction
13	35						birds, cars on PH, train moving
14	36						cars on PH, train, car in parking lot motorcycle on PH moving
15	37						train moving, cars on PH, birds
16	38						cars on PH, trucks on PH, train moving? (UPS, van)
17	39						train moving? birds, construction? plane, car beep
18	40						birds, cars on PH, bird train moving or construction
19	41						bird, train noise, cars on PH, van on PH, construction (hammer?)
20	42						car in parking lot starting car on PH, car on democracy way, plane, train noise

Leq	56.7
Lmax	71.3
Lmin	45.5
L10	59.1
L33.3	54.5
L50	49.6
L90	46.5

PH = patrick henry

Overall Leq (Include "O" minutes, Exclude "X" minutes) = _____ **dBA**

Subset Leq (Exclude "O" and "X" minutes) = _____ **dBA**

"O" = other characteristic sources that contributed to the Leq

"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

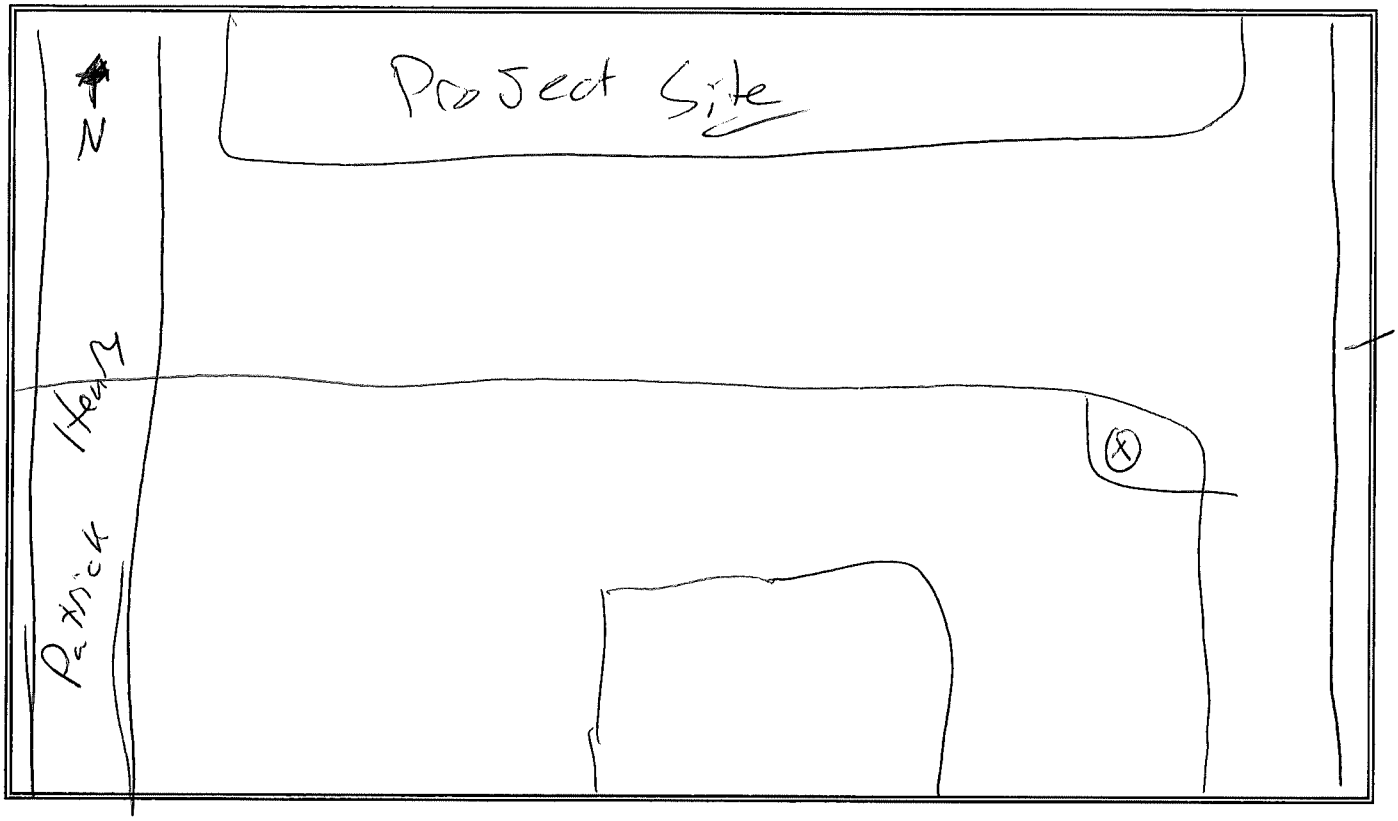
train noise was actually hydraulic truck parked in parking lot, was there construction noise/train noise (exhaust) was actually propane tanks from fabrinet - electronics manufacturing whole time (mechanical equipment)

NOISE MEASUREMENT SITE INFORMATION SHEET

Jones & Stokes

PROJECT NAME: NBSY Point
PROJECT #:
SITE NUMBER: ST-6 / LT-3
DATE/TIME: 2022 10 06 11:08
LOCATION/ADDRESS: near Dynamic facility
ENGINEERS: Schumacher

SITE SKETCH: Show microphone location, nearby residences/buildings, potential reflective surfaces, project roadways, local roadways, driveways, ground type, trees. Indicate reference distances between objects, arrows showing wind direction, North, and camera locations/directions. Describe the line-of-sight and topography/elevation changes relative to noise sources.



WEATHER DATA: (temperature, wind speed/direction, sky conditions, relative humidity)

74.0 | 0.8 mph | Partly Cloudy | 72.6

EQUIPMENT DATA: (sound level meter, microphone, preamp, calibrator, factory cal. date)

831 1st calibrate: +0.06 dB
2nd calibrate: -0.14 dB
Data.061

ESTIMATED CONSTRUCTION DATE OF RESIDENCES: (Pre-1978, or new construction)

POSTED SPEED: COMMENTS:

TRAFFIC COUNTS:

Roadway/Direction	Autos	Medium	Heavy	Speed	Start Time	Duration

NOISE MEASUREMENT LOG SHEET (20)

Jones & Stokes

PROJECT NAME: _____ PROJECT #: _____

SITE NUMBER: _____ DATE/TIME: 11/08 2022 10 06

LOCATION/ADDRESS: _____ ENGINEERS: Schumacher

#	Minute Starting	Measured Leq (dBA)	O or X	Autos	Medium Trucks	Heavy Trucks	Other Noise Sources/Comments (include SLM equipment, Calibration Data)
1	08						Plane overhead Birds.
2	09						
3	10						
4	11						Plane overhead
5	12						2nd plane? Geese honks
6	13						
7	14						prop plane
8	15						
9	16						Prop Plane (in next minute)
10	17						↓
11	18						Birds
12	19						dude on phone (Speaker phone) walking by
13	20						
14	21						Birds
15	22						Plane overhead.
16	23						Plane over head (brief)
17	24						
18	25						
19	26						Plane sounds Lawn equipment (far away)
20	27						Plane over head. Lawn mower distant.

Leq	56.5
Lmax	73.2
Lmin	46.3
L10	58.5
L25	51.6
L50	48.1
L90	47.1

Overall Leq (Include "O" minutes, Exclude "X" minutes) = _____ dBA

Subset Leq (Exclude "O" and "X" minutes) = _____ dBA

Birds chirping throughout

"O" = other characteristic sources that contributed to the Leq

"X" = exclude from Leq calculation; a non-typical source contaminated the measurement

Noise Appendix

Field Pictures

Noise Measurement Photographs

LT-1 Looking West

LT-1 Looking Southwest

LT-1 Looking North

Noise Measurement Photographs

LT-2 Looking South

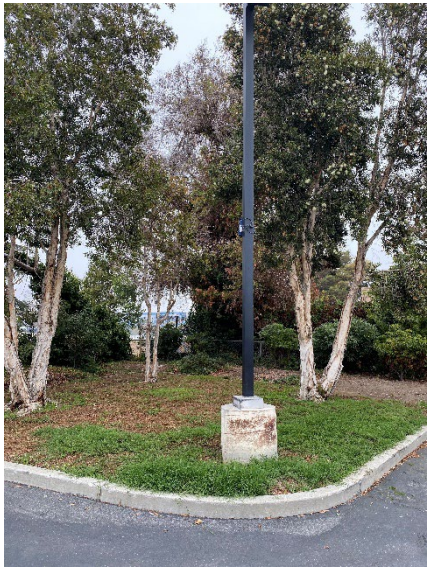

LT-2 Looking Northwest


LT-2 Looking West

Noise Measurement Photographs

LT-3 Looking South

LT-3 Looking West



LT-3 Looking Northeast

Noise Measurement Photographs

ST-1 Looking West

ST-1 Looking North

ST-1 Looking South

Noise Measurement Photographs

ST-2 Looking West

ST-2 Looking North

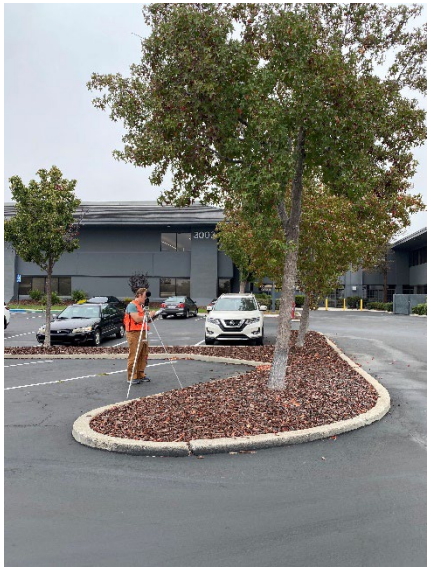
ST-2 Looking South

Noise Measurement Photographs

ST-3 Looking East

ST-3 Looking South

ST-3 Looking Northeast



ST-3 Looking North

Noise Measurement Photographs

ST-4 Looking East

ST-4 Looking Northeast

ST-4 Looking North

ST-4 Looking Northwest

Noise Measurement Photographs

ST-5 Looking West

ST-5 Looking South

ST-5 Looking East

ST-5 Looking Southeast

Noise Appendix

Construction Noise Modeling

Construction Noise Modeling

Equipment and Phase	L_{max} at 50 feet (dBA)[a]	L_{eq} at 50 feet (dBA)[b]	Acoustical Usage/ Utilization Factor
Activity 1 - Demolition			
Concrete Saw	90	83	20%
Excavator	81	77	40%
Rubber Tired Dozer	82	78	40%
Tractor/Loader/Backhoe	84	80	40%
Activity 2 - Excavation			
Excavator	81	77	40%
Crawler Tractor	84	80	40%
Mini Excavator	81	77	40%
Activity 3 - Piles			
Pile Driver	101	94	20%
Activity 4 - Trenching			
Tractor/Loader/Backhoe	84	80	40%
Excavator	81	77	40%
Generator	81	78	50%
Plate Compactors	83	76	20%
Activity 5 - Core and Shell			
Tower Crane	81	73	16%
Trawler Crane	81	73	16%
Man and Material Lift	75	68	20%
Aerial Lift	75	68	20%
Welder	74	70	40%
Generator	81	78	50%
Air Compressor	78	74	40%
Rough Terrain Fork Lift	84	80	40%
Activity 6 - Interiors			
Air Compressor	78	74	40%
Man and Material Lift	75	68	20%
Scissor Lift	75	68	20%
Scissor Lift	75	68	20%
Activity 7 - Sitework			
Paver	77	74	50%
Grader	85	81	40%
Roller	80	73	20%
Tractor/Loader/Backhoe	84	80	40%
Bobcat	78	74	40%
Rough Terrain Fork Lift	84	80	40%
Activity 8 - Night Unloading			
Tractor/loader/backhoe	84	80	40%
Tower crane	81	73	16%
Activity 9 - Night Utility			
Tractor/loader/backhoe	84	80	40%

Generator	81	78	50%
Plate Compactor	83	76	20%
Paver	77	74	50%
Roller	80	73	20%
Activity 10 - Night Concrete			
Concrete mix trucks	79	75	40%
Concrete pumps	81	74	20%
Power trowels	77	74	50%
Activity 11 - Substation			
Excavator	81	77	40%
Crane	81	73	16%
Lift	75	68	20%
Drill Rig	79	72	20%
Welder	74	70	40%

Distance Between Source and Receiver (feet)	Demolition	Excavation	Piles	Trenching	Core and Shell	Interiors	Sitework	Night Unloading	Night Utility	Night Concrete	Substation
					Noise Levels – L_{eq}						
25	92	89	105	91	91	85	92	87	89	85	85
50	86	83	99	85	85	79	85	81	83	79	79
100	80	77	93	79	79	73	79	75	77	73	73
200	74	71	87	73	73	67	73	69	71	67	67
300	70	67	83	69	69	63	70	65	68	64	64
400	68	65	81	67	67	61	67	63	65	61	61
500	66	63	79	65	65	59	65	61	63	59	59
600	64	61	77	63	63	57	64	59	61	58	58
700	63	60	76	62	62	56	63	58	60	56	56
800	62	59	75	61	61	55	61	57	59	55	55
900	61	58	74	60	60	54	60	56	58	54	54
1000	60	57	73	59	59	53	59	55	57	53	53

Summary Table	Demolition	Excavation	Piles	Trenching	Core and Shell	Interiors	Sitework	Night Unloading	Night Utility	Night Concrete	Substation
3 Loudest Pieces @ 50 Feet											
L_{eq} @ distances (feet):											
25	92	89	105	91	91	85	92	87	89	85	85
50	86	83	99	85	85	79	85	81	83	79	79
100	**80**	**77**	**93**	**79**	**79**	**73**	**79**	**75**	**77**	**73**	**73**
200	74	71	87	73	73	67	73	69	71	67	67
300	70	67	83	69	69	63	70	65	68	64	64
400	68	65	81	67	67	61	67	63	65	61	61
500	66	63	79	65	65	59	65	61	63	59	59
600	**64**	**61**	**77**	**63**	**63**	**57**	**64**	**59**	**61**	**58**	**58**
700	63	60	76	62	62	56	63	58	60	56	56
800	**62**	**59**	**75**	**61**	**61**	**55**	**61**	**57**	**59**	**55**	**55**
900	61	58	74	60	60	54	60	56	58	54	54
1000	60	57	73	59	59	53	59	55	57	53	53
1200	58	55	71	57	57	51	58	53	55	52	52
1400	57	54	70	56	56	50	57	52	54	50	50
1600	56	53	69	55	55	49	55	51	53	49	49
1800	54	52	68	54	54	48	54	50	52	48	48
2000	54	51	67	53	53	47	53	49	51	47	47

a This is the worst-case distance for area A.

Table X. Off-road Construction Equipment Inventory

Equipment	Number of Pieces of Equipment	Noise Level (L_{max}) at 50 Feet (dBA)	Noise Level (L_{eq}) at 50 Feet (dBA)	Percent Usage Factor (%)
Activity 1 - Demolition				
Concrete Saw	4	90	83	20%
Excavator	1	81	77	40%
Rubber Tired Dozer	1	82	78	40%
Tractor/Loader/Backhoe	2	84	80	40%
Activity 2 - Excavation				
Excavator	4	81	77	40%
Crawler Tractor	4	84	80	40%
Mini Excavator	4	81	77	40%
Activity 3 - Piles				
Pile Driver	5	101	94	20%
Activity 4 - Trenching		-	-	0%
Tractor/Loader/Backhoe	6	84	80	40%
Excavator	6	81	77	40%
Generator	6	81	78	50%
Plate Compactors	10	83	76	20%
Activity 5 - Core and Shell				
Tower Crane	6	81	73	16%
Trawler Crane	1	81	73	16%
Man and Material Lift	6	75	68	20%
Aerial Lift	12	75	68	20%
Welder	12	74	70	40%
Generator	12	81	78	50%
Air Compressor	6	78	74	40%
Rough Terrain Fork Lift	10	84	80	40%
Activity 6 - Interiors				
Air Compressor	5	78	74	40%
Man and Material Lift	6	75	68	20%
Scissor Lift	30	75	68	20%
Scissor Lift	30	75	68	20%
Activity 7 - Sitework				
Paver	2	77	74	50%
Grader	2	85	81	40%
Roller	2	80	73	20%
Tractor/Loader/Backhoe	2	84	80	40%
Bobcat	4	78	74	40%
Rough Terrain Fork Lift	2	84	80	40%
Activity 8 - Night Unloading				
Tractor/loader/backhoe	1	84	80	40%
Tower crane	1	81	73	16%
Activity 9 - Night Utility				
Tractor/loader/backhoe	1	84	80	40%
Generator	1	81	78	50%
Plate Compactor	1	83	76	20%
Paver	1	77	74	50%
Roller	1	80	73	20%
Activity 10 - Night Concrete				
Concrete mix trucks	1	79	75	40%
Concrete pumps	1	81	74	20%

Power trowels	1	77	74	50%
Activity 11 - Substation				
Excavator	1	81	77	40%
Crane	1	81	73	16%
Lift	1	75	68	20%
Drill Rig	1	79	72	20%
Welder	1	74	70	40%

Off-Road Equipment Inventory

Phase No.	Qty	Description	HP	Load Factor	Hours/day	Total Work Days
1		**Demolition**			**Total phase:**	
	4	Concrete Saw	81		4	
	1	Excavator	162		8	
	1	Rubber Tired Dozer	255		8	
	2	Tractor/Loader/Backhoe	97		8	
2		**Excavation**			**Total phase:**	
	4	Excavator	162		8	
	4	Crawler Tractor	97		8	
	4	Mini Excavator	55		8	
3		**Piles**			**Total phase:**	
	5	Pile Driver	205		8	
4		**Trenching**			**Total phase:**	
	6	Tractor/Loader/Backhoe	97		5	
	6	Excavator	162		4	
	6	Generator	84		8	
	10	Plate Compactors	8		2	
5		**Core and Shell**				
	6	Tower Crane	226		8	
	1	Trawler Crane	226		8	
	6	Man and Material Lift	226		10	
	12	Aerial Lift	62		4	
	12	Welder	46		8	
	12	Generator	84		8	
	6	Air Compressor	78		2	
	10	Rough Terrain Fork Lift	100		4	
6		**Interiors**				
	5	Air Compressor	78		4	
	6	Man and Material Lift	226		10	
	30	Scissor Lift			4	
	30	Scissor Lift	62		4	
7		**Sitework**				
	2	Paver	125		8	
	2	Grader	174		8	
	2	Roller	80		8	
	2	Tractor/Loader/Backhoe	97		8	
	4	Bobcat	60		8	
	2	Rough Terrain Fork Lift	100		8	
8		**Night Unloading**				
	1	Tractor/loader/backhoe				
	1	Tower crane				
9		**Night Utility**				
	1	Tractor/loader/backhoe				
	1	Generator				
	1	Plate Compactor				
	1	Paver				
	1	Roller				
10		**Night Concrete**				
	1	Concrete mix trucks				
	1	Concrete pumps				
	1	Power trowels				
11		**Substation**			**Total phase:**	
	1	Excavator				
	1	Crane				
	1	Lift				
	1	Drill Rig				
	1	Welder				

Phase Number	FHWA Equipment Name	Acoustical Use Factor	Lmax at 50 feet (dBA)	Leq at 50 feet (dBA)	Lmax Rank	Leq Rank	Revised Lmax Rank	Impact Equipment?	Notes
1	Concrete Saw	20%	90	83	1	1	1	No	
1	Excavator	40%	81	77	4	4		No	
1	Dozer	40%	82	78	3	3	3	No	
1	Tractor	40%	84	80	2	2	2	No	
2	Excavator	40%	81	77	2	2	2	No	x2
2	Tractor	40%	84	80	1	1	1	No	
2	Excavator	40%	81	77	2	2		No	
3	Impact Pile Driver	20%	101	94	1	1	1	Yes	x3
4	Tractor	40%	84	80	1	1	1	No	x3
4	Excavator	40%	81	77	3	3		No	
4	Generator	50%	81	78	3	2		No	
4	Compactor (ground)	20%	83	76	2	4		No	
5	Crane	16%	81	73	2	4		No	
5	Crane	16%	81	73	2	4		No	
5	Man Lift	20%	75	68	6	7		No	
5	Man Lift	20%	75	68	6	7		No	
5	Welder / Torch	40%	74	70	8	6		No	
5	Generator	50%	81	78	2	2		No	
5	Compressor (air)	40%	78	74	5	3		No	
5	Tractor	40%	84	80	1	1	1	No	x3
6	Compressor (air)	40%	78	74	1	1	1	No	x3
6	Man Lift	20%	75	68	2	2		No	
6	Man Lift	20%	75	68	2	2		No	
6	Man Lift	20%	75	68	2	2		No	
7	Paver	50%	77	74	6	5		No	
7	Grader	40%	85	81	1	1	1	No	x2
7	Roller	20%	80	73	4	6		No	
7	Tractor	40%	84	80	2	2	2	No	
7	Backhoe	40%	78	74	5	4		No	
7	Tractor	40%	84	80	2	2		No	
8	Tractor	40%	84	80	1	1	1	No	
8	Crane	16%	81	73	2	2	2	No	
9	Tractor	40%	84	80	1	1	1	No	
9	Generator	50%	81	78	3	2	2	No	
9	Compactor (ground)	20%	83	76	2	3	3	No	
9	Paver	50%	77	74	5	4		No	
9	Roller	20%	80	73	4	5		No	
10	Concrete Mixer Truc	40%	79	75	2	1	1	No	
10	Concrete Pump Truc	20%	81	74	1	2	2	No	
10	Paver	50%	77	74	3	3	3	No	
11	Excavator	40%	81	77	1	1	1	No	
11	Crane	16%	81	73	1	2	2	No	
11	Man Lift	20%	75	68	4	5		No	
11	Drill Rig Truck	20%	79	72	3	3	3	No	
11	Welder / Torch	40%	74	70	5	4		No	

Table 1. CA/T equipment noise emissions and acoustical usage factors database.

CA/T Noise Emission Reference Levels and Usage Factors						
filename: EQUIPLST.xls						
revised: 7/26/05		Acoustical	Spec 721.560	Actual Measured	No. of Actual	
	Impact	Use Factor	Lmax @ 50ft	Lmax @ 50ft	Data Samples	
Equipment Description	Device ?	(%)	(dBA, slow)	(dBA, slow)	(Count)	
				(samples averaged)		
All Other Equipment > 5 HP	No	50	85	-- N/A --	0	
Auger Drill Rig	No	20	85	84	36	
Backhoe	No	40	80	78	372	
Bar Bender	No	20	80	-- N/A --	0	
Blasting	Yes	-- N/A --	94	-- N/A --	0	X
Boring Jack Power Unit	No	50	80	83	1	
Chain Saw	No	20	85	84	46	
Clam Shovel (dropping)	Yes	20	93	87	4	X
Compactor (ground)	No	20	80	83	57	
Compressor (air)	No	40	80	78	18	
Concrete Batch Plant	No	15	83	-- N/A --	0	
Concrete Mixer Truck	No	40	85	79	40	
Concrete Pump Truck	No	20	82	81	30	
Concrete Saw	No	20	90	90	55	X
Crane	No	16	85	81	405	
Dozer	No	40	85	82	55	
Drill Rig Truck	No	20	84	79	22	
Drum Mixer	No	50	80	80	1	
Dump Truck	No	40	84	76	31	
Excavator	No	40	85	81	170	
Flat Bed Truck	No	40	84	74	4	
Front End Loader	No	40	80	79	96	
Generator	No	50	82	81	19	
Generator (<25KVA, VMS signs)	No	50	70	73	74	
Gradall	No	40	85	83	70	
Grader	No	40	85	-- N/A --	0	
Grapple (on backhoe)	No	40	85	87	1	
Horizontal Boring Hydr. Jack	No	25	80	82	6	
Hydra Break Ram	Yes	10	90	-- N/A --	0	X
Impact Pile Driver	Yes	20	95	101	11	X
Jackhammer	Yes	20	85	89	133	
Man Lift	No	20	85	75	23	
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	212	X
Pavement Scarafier	No	20	85	90	2	
Paver	No	50	85	77	9	
Pickup Truck	No	40	55	75	1	
Pneumatic Tools	No	50	85	85	90	
Pumps	No	50	77	81	17	
Refrigerator Unit	No	100	82	73	3	
Rivit Buster/chipping gun	Yes	20	85	79	19	
Rock Drill	No	20	85	81	3	
Roller	No	20	85	80	16	
Sand Blasting (Single Nozzle)	No	20	85	96	9	
Scraper	No	40	85	84	12	
Shears (on backhoe)	No	40	85	96	5	
Slurry Plant	No	100	78	78	1	
Slurry Trenching Machine	No	50	82	80	75	
Soil Mix Drill Rig	No	50	80	-- N/A --	0	
Tractor	No	40	84	-- N/A --	0	
Vacuum Excavator (Vac-truck)	No	40	85	85	149	
Vacuum Street Sweeper	No	10	80	82	19	
Ventilation Fan	No	100	85	79	13	
Vibrating Hopper	No	50	85	87	1	
Vibratory Concrete Mixer	No	20	80	80	1	
Vibratory Pile Driver	No	20	95	101	44	X
Warning Horn	No	5	85	83	12	
Welder / Torch	No	40	73	74	5	

TABLE 4.12-6
Typical Construction Noise Emission Levels for Project

Equipment	L_{max} at 50 feet (dBA)[a]	L_{max} at 100 feet (dBA)[b]	Utilization Factor
Air Compressor	78	72	40
Backhoe	78	72	40
Crane	81	75	16
Concrete Mixer Truck	79	73	40
Concrete Pump Truck	81	75	20
Concrete Saw	90	84	20
Forklift[1]	84	78	40
Dozer	82	76	40
Excavator	81	75	40
Front-end loader	79	73	40
Generator Set	81	75	50
Grader	85	79	40
Man lift	75	69	20
Paver	77	71	50
Roller	80	74	20
Tractor	84	78	40
Water Truck	76	70	40
Welders	74	68	40
Dump truck/haul truck[c]	76	70	40

Notes:

a. These values represent the loudest noise levels

b. These values were calculated by subtracting 6 dBA

c. Represented by Dump Truck from FHWA *User's*

Construction Noise

Demolition

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Concrete Saw	90	20%	83.0
2	Tractor/Loader/Backhoe	84	40%	80.0
3	Rubber Tired Dozer	82	40%	78.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet = 91

All Sources Combined - Leq sound level (dBA) at 50 feet = 86

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	98	92
50	0	0.0	91	86
100	-6	0.0	85	80
200	-12	0.0	79	74
300	-16	0.0	76	70
400	-18	0.0	73	68
500	-20	0.0	71	66
600	-22	0.0	70	64
700	-23	0.0	69	63
800	-24	0.0	67	62
900	-25	0.0	66	61
1000	-26	0.0	65	60
1200	-28	0.0	64	58
1400	-29	0.0	63	57
1600	-30	0.0	61	56
1800	-31	0.0	60	54
2000	-32	0.0	59	54

Geometric attenuation based on 6 dB per doubling of distance.

Ground affect attenuation based on 1.5 dB per doubling of distance

Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Excavation

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Crawler Tractor	84	40%	80.0
2	Excavator	81	40%	77.0
2	Excavator	81	40%	77.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet = 87

All Sources Combined - Leq sound level (dBA) at 50 feet = 83

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	93	89
50	0	0.0	87	83
100	-6	0.0	81	77
200	-12	0.0	75	71
300	-16	0.0	71	67
400	-18	0.0	69	65
500	-20	0.0	67	63
600	-22	0.0	65	61
700	-23	0.0	64	60
800	-24	0.0	63	59
900	-25	0.0	62	58
1000	-26	0.0	61	57
1200	-28	0.0	59	55
1400	-29	0.0	58	54
1600	-30	0.0	57	53
1800	-31	0.0	56	52
2000	-32	0.0	55	51

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Piles

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Pile Driver	101	20%	94.0
1	Pile Driver	101	20%	94.0
1	Pile Driver	101	20%	94.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet = 106

All Sources Combined - Leq sound level (dBA) at 50 feet = 99

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	112	105
50	0	0.0	106	99
100	-6	0.0	100	93
200	-12	0.0	94	87
300	-16	0.0	90	83
400	-18	0.0	88	81
500	-20	0.0	86	79
600	-22	0.0	84	77
700	-23	0.0	83	76
800	-24	0.0	82	75
900	-25	0.0	81	74
1000	-26	0.0	80	73
1200	-28	0.0	78	71
1400	-29	0.0	77	70
1600	-30	0.0	76	69
1800	-31	0.0	75	68
2000	-32	0.0	74	67

Geometric attenuation based on 6 dB per doubling of distance.

Ground affect attenuation based on 1.5 dB per doubling of distance

Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Trenching

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Tractor/Loader/Backhoe	84	40%	80.0
1	Tractor/Loader/Backhoe	84	40%	80.0
1	Tractor/Loader/Backhoe	84	40%	80.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet = 89

All Sources Combined - Leq sound level (dBA) at 50 feet = 85

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	95	91
50	0	0.0	89	85
100	-6	0.0	83	79
200	-12	0.0	77	73
300	-16	0.0	73	69
400	-18	0.0	71	67
500	-20	0.0	69	65
600	-22	0.0	67	63
700	-23	0.0	66	62
800	-24	0.0	65	61
900	-25	0.0	64	60
1000	-26	0.0	63	59
1200	-28	0.0	61	57
1400	-29	0.0	60	56
1600	-30	0.0	59	55
1800	-31	0.0	58	54
2000	-32	0.0	57	53

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Core and Shell

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Rough Terrain Fork Lift	84	40%	80.0
1	Rough Terrain Fork Lift	84	40%	80.0
1	Rough Terrain Fork Lift	84	40%	80.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet =	89
All Sources Combined - Leq sound level (dBA) at 50 feet =	85

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	95	91
50	0	0.0	89	85
100	-6	0.0	83	79
200	-12	0.0	77	73
300	-16	0.0	73	69
400	-18	0.0	71	67
500	-20	0.0	69	65
600	-22	0.0	67	63
700	-23	0.0	66	62
800	-24	0.0	65	61
900	-25	0.0	64	60
1000	-26	0.0	63	59
1200	-28	0.0	61	57
1400	-29	0.0	60	56
1600	-30	0.0	59	55
1800	-31	0.0	58	54
2000	-32	0.0	57	53

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Interiors

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Air Compressor	78	40%	74.0
1	Air Compressor	78	40%	74.0
1	Air Compressor	78	40%	74.0

Calculated Data:	
All Sources Combined - Lmax sound level (dBA) at 50 feet =	83
All Sources Combined - Leq sound level (dBA) at 50 feet =	79

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	89	85
50	0	0.0	83	79
100	-6	0.0	77	73
200	-12	0.0	71	67
300	-16	0.0	67	63
400	-18	0.0	65	61
500	-20	0.0	63	59
600	-22	0.0	61	57
700	-23	0.0	60	56
800	-24	0.0	59	55
900	-25	0.0	58	54
1000	-26	0.0	57	53
1200	-28	0.0	55	51
1400	-29	0.0	54	50
1600	-30	0.0	53	49
1800	-31	0.0	52	48
2000	-32	0.0	51	47

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Sitework

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Grader	85	40%	81.0
1	Grader	85	40%	81.0
2	Tractor/Loader/Backhoe	84	40%	80.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet = 89

All Sources Combined - Leq sound level (dBA) at 50 feet = 85

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	95	92
50	0	0.0	89	85
100	-6	0.0	83	79
200	-12	0.0	77	73
300	-16	0.0	74	70
400	-18	0.0	71	67
500	-20	0.0	69	65
600	-22	0.0	68	64
700	-23	0.0	67	63
800	-24	0.0	65	61
900	-25	0.0	64	60
1000	-26	0.0	63	59
1200	-28	0.0	62	58
1400	-29	0.0	61	57
1600	-30	0.0	59	55
1800	-31	0.0	58	54
2000	-32	0.0	57	53

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Night Unloading

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Tractor/loader/backhoe	84	40%	80.0
2	Tower crane	81	16%	73.0

Calculated Data:	
All Sources Combined - Lmax sound level (dBA) at 50 feet =	86
All Sources Combined - Leq sound level (dBA) at 50 feet =	81

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	92	87
50	0	0.0	86	81
100	-6	0.0	80	75
200	-12	0.0	74	69
300	-16	0.0	70	65
400	-18	0.0	68	63
500	-20	0.0	66	61
600	-22	0.0	64	59
700	-23	0.0	63	58
800	-24	0.0	62	57
900	-25	0.0	61	56
1000	-26	0.0	60	55
1200	-28	0.0	58	53
1400	-29	0.0	57	52
1600	-30	0.0	56	51
1800	-31	0.0	55	50
2000	-32	0.0	54	49

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Night Utility

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Tractor/loader/backhoe	84	40%	80.0
2	Generator	81	50%	78.0
3	Plate Compactor	83	20%	76.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet =	88
All Sources Combined - Leq sound level (dBA) at 50 feet =	83

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	94	89
50	0	0.0	88	83
100	-6	0.0	82	77
200	-12	0.0	76	71
300	-16	0.0	72	68
400	-18	0.0	70	65
500	-20	0.0	68	63
600	-22	0.0	66	61
700	-23	0.0	65	60
800	-24	0.0	64	59
900	-25	0.0	63	58
1000	-26	0.0	62	57
1200	-28	0.0	60	55
1400	-29	0.0	59	54
1600	-30	0.0	58	53
1800	-31	0.0	56	52
2000	-32	0.0	56	51

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Night Concrete

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Concrete mix trucks	79	40%	75.0
2	Concrete pumps	81	20%	74.0
3	Power trowels	77	50%	74.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet = 84

All Sources Combined - Leq sound level (dBA) at 50 feet = 79

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	90	85
50	0	0.0	84	79
100	-6	0.0	78	73
200	-12	0.0	72	67
300	-16	0.0	69	64
400	-18	0.0	66	61
500	-20	0.0	64	59
600	-22	0.0	62	58
700	-23	0.0	61	56
800	-24	0.0	60	55
900	-25	0.0	59	54
1000	-26	0.0	58	53
1200	-28	0.0	56	52
1400	-29	0.0	55	50
1600	-30	0.0	54	49
1800	-31	0.0	53	48
2000	-32	0.0	52	47

Geometric attenuation based on 6 dB per doubling of distance.

Ground affect attenuation based on 1.5 dB per doubling of distance

Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Construction Noise

Substation

	Source Data:	Maximum Sound Level (dBA)	Utilization Factor	Leq Sound Level (dBA)
1	Excavator	81	40%	77.0
2	Crane	81	16%	73.0
3	Drill Rig	79	20%	72.0

Calculated Data:

All Sources Combined - Lmax sound level (dBA) at 50 feet =	85
All Sources Combined - Leq sound level (dBA) at 50 feet =	79

Distance Between Source and Receiver (ft.)	Geometric Attenuation (dB)	Ground Effect Attenuation (dB)	Calculated Lmax Sound Level (dBA)	Calculated Leq Sound Level (dBA)
25	6	0.0	91	85
50	0	0.0	85	79
100	-6	0.0	79	73
200	-12	0.0	73	67
300	-16	0.0	70	64
400	-18	0.0	67	61
500	-20	0.0	65	59
600	-22	0.0	64	58
700	-23	0.0	62	56
800	-24	0.0	61	55
900	-25	0.0	60	54
1000	-26	0.0	59	53
1200	-28	0.0	58	52
1400	-29	0.0	56	50
1600	-30	0.0	55	49
1800	-31	0.0	54	48
2000	-32	0.0	53	47

Geometric attenuation based on 6 dB per doubling of distance.
Ground affect attenuation based on 1.5 dB per doubling of distance
Note: This calculation does not include the effects, if any, of local shielding from walls, topography or other barriers which may reduce sound levels further.

Noise Appendix

Operational Noise Modeling

Noise Source	Reference Distance	Noise Level @ Reference Distance (dBA)	Receptor Distance	Receptor Distance (onsite)	Noise Attenuation @ 1,250 feet (dBA)	Noise Level @ 1,250 feet (dBA)	Noise Attenuation @ 50 feet (dBA)	Noise Level @ 50 feet (dBA)
Amplified Human Speech	100	58	1250	50	-22	36	6	64
Small Live Band	100	65	1250	50	-22	43	6	71

Project Area	Noise Level @ 50 feet (dBA) (1,000 Vehicles)	Proposed # of Parking Spaces	Noise Level @ 50 feet (dBA)	Reference Distance	Distance to Nearest Receptor	Noise Attenuation @ X feet (dBA)	Noise Level Nearest Receptor (dBA)	Distance to Nearest Receptor (on-site)	Noise Attenuation @ X feet (dBA)	Noise Level Nearest Receptor (dBA)
A	56.5	3,330	61.7	50.0	700	-22.9	38.8	140	-8.9	52.8
B	56.5	1,620	58.6	50.0	1,525	-29.7	28.9	-	-	-
C	56.5	2,070	59.7	50.0	600	-21.6	38.1	-	-	-
D	56.5	1,980	59.5	50.0	1,350	-28.6	30.8	-	-	-

Noise Source	Reference Distance	Noise Level @ Reference Distance (dBA)	Standard Distance	Noise Attenuation @ Standard Distance (dBA)	Noise Level @ Standard Distance (dBA)
Emergency Generator	23	71	50	-7	64

Noise Source	Sound Data Source	Reference Distance	Noise Level @ Reference Distance (dBA)	Standard Distance	Noise Attenuation @ Standard Distance (dBA)	Noise Level @ Standard Distance (dBA)	Sound Energy
Coolling tower	Hoover & Keith 2000	3	94	50	-24	70	9,042,791.15
Heat pump	Spec sheet (see calcs)	50	61.4	50	0	61	1,380,384.26
Air handling unit	Spec sheet (see calcs)	50	79	50	0	79	79,432,823.47
Exhaust fan	Hoover & Keith 2000 (see calcs)	50	38.2	50	0	38	6,606.93
Chiller	Spec sheet	50	82	50	0	82	158,489,319.25
Substation	Field measurement data for a different project	50	57	50	0	57	501,187.23
Combined Noise Level - All (dBA)							83.96

Notes

Conservatively assumes sound pressure is provided at 50 feet

Air Handling Unit Noise Modeling

Make	CLIMACOOL
Model	UCA070BFASARM0S

	Air Handling Unit	Sound Power Level									100 feet	
	Octave	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Overall**		
Source 1	**Inlet dB**	99	105	103	88	88	86	79	75			
	(convert to energy)	7943282347	31622776602	19952623150	630957344.5	630957344.5	398107170.6	79432823.47	31622776.6	61289759558	**107.8738792**	61289759558
Source 2	**Outlet dB**	98	103	103	96	94	91	85	80			
	(convert to energy)	6309573445	19952623150	19952623150	3981071706	2511886432	1258925412	316227766	100000000	54382931059	**107.3546261**	54382931059

Sound Power	111
Sound Pressure at 50 feet	**79.0**

Noise level at 50 feet
Calculate Lp from Lw

Q =	2
Lw =	110.6
r (feet)=	50
Lp =	79.0

Chiller Noise Modeling

Make	CLIMACOOL
Model	UCA070BFASARM0S

Sound Power

Running Noise	**Distance**	
93		sound power (from ClimaCool spec sheet)
61.4	50.0	sound pressure at 50 feet

Click + sign to the left for more details as needed.

Running Sound Power Calculation

Calculate Lp from Lw

Q =	2	q=2 for a source on the floor (aka a half sphere, not a full sphere)	
Lw =	93.00	(sound power)	
r (feet)=	50	(distance)	
Lp =	61.36		31.64

Exhaust Fan Noise Modeling

Exhaust Fan (High Pressure, Sp 20" to 40" Under 40" dia	**Sound Power Level**									100 feet
Octave	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**Overall**	
Outlet dB	68	64	56	51	51	49	46	43		
(convert to energy)	6309573.445	2511886.43	398107.171	125892.541	125892.541	79432.8235	39810.7171	19952.6231	9610548.293	**69.827482**

Sound Power	70
Sound Pressure at 50 fee	**38.2**

Noise level at 50 feet	
Calculate Lp from Lw	
Q =	2
Lw =	69.8
r (feet)=	50
Lp =	38.2

Noise Appendix

Traffic Noise Modeling

Traffic Noise Modeling

Link Number	Roadway	Roadway Segment	Roadway Speed Limit	2018 ADT's (Inc. Trucks	2018 Truck ADT's	2030 ADT's (incl.		Truck ADT's		2035 ADT's (incl.		Truck ADT's		2018 ADT's + Hauling (Inc. Trucks)	2018 Truck ADT's + Hauling	Truck Mix Number					
						No Build	Build	No Build	Build	No Build	Build	No Build	Build			2018	2030 No Build	2030 Build	2035 No Build	2035 Build	2035 Build
1	Tasman	Between Reamwood and Patrick Henry	40	7,700	300	17,300	23,700	700	1,500	29,000	33,900	1,100	1,900	8,386	986	3	3	5	3	5	11
2	Tasman	Between Birchwood and Lawrence Expressway	40	11,800	300	20,000	25,700	700	1,500	30,900	35,400	1,100	1,800	12,486	986	2	3	5	3	4	7
3	Lawrence Expressway	Between US-101 and Tasman	50	31,200	1,600	32,600	34,100	1,800	1,800	35,900	37,700	1,800	1,900	31,886	2,286	4	5	4	4	4	6
4	Lawrence Expressway	Between Tasman and Elko	50	28,000	1,700	32,500	36,800	2,000	2,600	39,700	42,700	2,200	2,700	28,686	2,386	5	5	6	5	5	7
5	Tasman	Between Lawrence Expressway and Fair Oaks	40	4,000	100	9,900	10,600	400	500	14,400	15,700	600	800	4,686	786	2	3	4	3	4	14
6	Tasman	Between Great America and Old Ironside	40	2,900	100	10,800	18,100	400	1,000	14,000	21,400	500	1,100	3,586	786	2	3	5	3	4	15
7	Great America Parkway	Between Old Glory and Patrick Henry	40	29,600	2,400	45,900	56,000	3,200	4,000	53,800	62,800	3,400	4,200	30,286	3,086	7	6	6	5	6	9
8	Great America Parkway	Between Old Glory and Mission College	40	34,500	2,700	57,900	67,600	3,900	4,700	83,400	90,200	3,900	4,800	35,186	3,386	7	6	6	4	4	9
9	Great America Parkway	Between Tasman and Bunker Hill	40	24,300	2,400	39,100	42,000	3,300	3,600	56,600	58,800	3,700	4,000	24,986	3,086	9	7	8	6	6	11
10	Tasman	Between Great America and Lafayette	40	8,400	200	24,600	25,700	700	800	30,200	31,200	900	1,000	9,086	886	1	2	2	2	2	9
11	Lafayette	Between Tasman and Agnew	40	9,500	300	20,600	21,400	600	600	29,900	31,100	900	900	10,186	986	2	2	2	2	2	9
12	Lafayette	Between Tasman and SR-237	40	10,700	400	29,000	30,100	800	800	22,000	22,900	900	900	11,386	1,086	3	2	2	3	3	9
13	Great America Parkway	Between US-101 and Mission College	40	49,000	3,000	69,200	76,500	4,000	4,700	106,700	110,700	5,100	5,800	49,686	3,686	5	5	5	4	4	6
14	Lawrence Expressway	Between Oakmead and Arques	50	51,600	2,900	57,300	59,200	3,000	3,100	63,300	65,800	3,100	3,200	52,286	3,586	5	4	4	4	4	6
15	Bowers	Between Scott and Central Expressway	40	25,300	1,300	32,100	33,900	1,400	1,500	41,200	42,700	1,400	1,600	25,986	1,986	4	3	3	2	3	7
16	Tasman	Between Lickmill and Renaissance Drice	40	15,200	400	31,700	32,600	800	800	43,100	43,600	1,100	1,100	15,886	1,086	2	2	1	2	2	6
17	Great America Parkway	Between Old Mountain View Alviso Road and SR-237	40	27,000	3,100	35,600	38,200	3,900	4,200	49,000	52,100	4,600	4,900	27,686	3,786	10	10	10	8	8	13
18	Mission College	Between Freedom (West) and Freedom (East)	40	7,200	300	12,200	13,600	300	400	19,100	19,900	600	700	7,886	986	3	1	2	2	3	12
19	Bowers	Between US-101 and Scott	**40**	44,200	3,200	54,500	55,400	3,500	3,500	64,100	63,900	3,200	3,400	44,886	3,886	6	5	5	4	4	8
20	Agnew	Between Lafayette and Mission College	25	6,200	100	8,500	8,600	200	200	11,300	11,300	200	300	6,886	786	1	1	1	1	2	10
21	Lawrence Expressway	Between Central Expressway and Arques	50	43,600	1,700	47,400	48,600	1,800	1,900	53,200	54,300	1,900	2,000	44,286	2,386	3	3	3	3	3	4
22	Mission College	Between Burton and Wyatt	**40**	13,000	500	16,000	17,000	600	700	28,800	30,000	1,100	1,200	13,686	1,186	3	3	3	3	3	8
23	Montague Expressway	Between Lafayette and Thomas	45	42,300	1,900	59,400	61,400	2,400	2,500	73,100	74,800	3,200	3,300	42,986	2,586	3	3	3	3	3	5
24	Montague Expressway	Between US-101 and Thomas	45	56,800	2,600	73,400	74,400	3,200	3,300	88,300	89,200	4,000	4,100	57,486	3,286	4	3	3	4	4	5
25	Montague Expressway	Between De La Cruz and Lafayette	45	42,500	2,000	60,800	62,800	2,600	2,800	74,800	76,600	3,500	3,700	43,186	2,686	4	3	3	4	4	5

Truck Percent	Mix Number
2%	1
3%	2
4%	3
5%	4
6%	5
7%	6
8%	7
9%	8
10%	9
11%	10
12%	11
13%	12
14%	13
17%	14
22%	15

This spreadsheet calculates traffic noise levels based on TNM Version 2.5 Lookup Tables.

** Type in yellow cells only.

Traffic Data:

☑ Enter ADT Traffic

☐ Enter Loudest-hour Traffic

Units:

☐ Metric

☑ English

Calculate

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Link	Roadway	Segment Location	Hard or Soft Ground (H or S)	BARRIER			Total Daily Traffic Volumes (ADT)	Traffic Mix		Vehicle Speed	Sound Levels at Receiver Locations				Distance to Ldn Noise Contour (feet)				Distance to CNEL Noise Contour (feet)				Distance to Leq1h Noise Contour (feet)			
				Present 1=yes	Height min. 7 ft. max. 32 ft.	Distance 35 ft. or 100 ft.		Number #	Description	mph max. 80	Distance feet, min. 33 max. 1000	dB Ldn	dB CNEL	dBA Leq1h (loudest hour)	76 dB	71 dB	66 dB	61 dB	76 dB	71 dB	66 dB	61 dB	76 dB	71 dB	66 dB	61 dB
1	Tasman	Between Reamwood and Patrick Henry	H				7,700	3	4% HT	40	50	65.3	65.9	64.5			43	128			49	147			34	107
2	Tasman	Between Birchwood and Lawrence Expressway	H				11,800	2	3% HT	40	50	66.8	67.4	66.0			59	179			65	203			50	149
3	Lawrence Expressway	Between US-101 and Tasman	H				31,200	4	5% HT	50	50	74.3	74.9	73.5		99	291	730	38	114	330	805		84	248	638
4	Lawrence Expressway	Between Tasman and Elko	H				28,000	5	6% HT	50	50	74.1	74.7	73.3		95	279	707	36	109	316	777		80	237	617
5	Tasman	Between Lawrence Expressway and Fair Oaks	H				4,000	2	3% HT	40	50	62.1	62.7	61.3				62				71				53
6	Tasman	Between Great America and Old Ironside	H				2,900	2	3% HT	40	50	60.8	61.4	59.9				48				54				38
7	Great America Parkway	Between Old Glory and Patrick Henry	H				29,600	7	8% HT	40	50	72.4	73.0	71.6		65	202	545		76	229	605		56	170	472
8	Great America Parkway	Between Old Glory and Mission College	H				34,500	7	8% HT	40	50	73.1	73.7	72.3		77	233	613		88	264	683		64	196	530
9	Great America Parkway	Between Tasman and Bunker Hill	H				24,300	9	10% HT	40	50	72.0	72.6	71.3		61	187	513		69	213	573		53	157	443
10	Tasman	Between Great America and Lafayette	H				8,400	1	2% HT	40	50	64.9	65.5	64.1			38	118			45	134				97
11	Lafayette	Between Tasman and Agnew	H				9,500	2	3% HT	40	50	65.9	66.4	65.0			48	145			55	165			40	121
12	Lafayette	Between Tasman and SR-237	H				10,700	3	4% HT	40	50	66.7	67.3	65.9			58	177			64	201			49	147
13	Great America Parkway	Between US-101 and Mission College	H				49,000	5	6% HT	40	50	74.0	74.6	73.2		95	284	718	35	109	320	796		80	240	625
14	Lawrence Expressway	Between Oakmead and Arques	H				51,600	5	6% HT	50	50	76.7	77.3	75.9	58	171	464		64	195	520		49	143	403	955
15	Bowers	Between Scott and Central Expressway	H				25,300	4	5% HT	40	50	70.8	71.4	70.0		48	143	404		54	163	452		39	120	346
16	Tasman	Between Lickmill and Renaissance Drice	H				15,200	2	3% HT	40	50	67.9	68.5	67.1			74	225			85	255			62	190
17	Great America Parkway	Between Old Mountain View Alviso Road and SR-237	H				27,000	10	11% HT	40	50	72.7	73.3	71.9		71	217	583		82	247	647		60	183	505
18	Mission College	Between Freedom (West) and Freedom (East)	H				7,200	3	4% HT	40	50	65.0	65.6	64.2			40	121			46	137				99
19	Bowers	Between US-101 and Scott	H				44,200	6	8% HT	40	50	73.8	74.4	73.1		92	275	704	33	105	311	780		77	233	611
20	Agnew	Between Lafayette and Mission College	H				6,200	1	2% HT	25	50	59.2	59.8	58.3								37				
21	Lawrence Expressway	Between Central Expressway and Arques	H				43,600	3	4% HT	50	50	75.5	76.0	74.7	44	129	368	879	51	148	413	966	36	109	316	771
22	Mission College	Between Burton and Wyatt	H				13,000	3	4% HT	40	50	67.6	68.2	66.8			68	212			79	239			58	178
23	Montague Expressway	Between Lafayette and Thomas	H				42,300	3	4% HT	45	50	74.0	74.6	73.2		95	283	707	35	109	318	781		80	239	616
24	Montague Expressway	Between US-101 and Thomas	H				56,800	4	5% HT	45	50	75.6	76.2	74.8	46	135	384	921	52	154	431		37	114	330	810
25	Montague Expressway	Between De La Cruz and Lafayette	H				42,500	4	5% HT	45	50	74.3	74.9	73.6		102	302	753	39	117	338	828		86	256	654

This spreadsheet calculates traffic noise levels based on TNM Version 2.5 Lookup Tables.

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Traffic Data:

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☐ Enter Loudest-hour Traffic

Units:

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☑ English

Calculate

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Link	Roadway	Segment Location	Hard or Soft Ground (H or S)	BARRIER: Present 1=yes	BARRIER: Height min. 7 ft. max. 32 ft.	BARRIER: Distance 35 ft. or 100 ft.	Total Daily Traffic Volumes (ADT)	Traffic Mix: Number #	Traffic Mix: Description	Vehicle Speed mph max. 80	Sound Levels at Receiver Locations: Distance feet, min. 33 max. 1000	Sound Levels at Receiver Locations: dB Ldn	Sound Levels at Receiver Locations: dB CNEL	Sound Levels at Receiver Locations: dBA Leq1h (loudest hour)	Distance to Ldn Noise Contour (feet): 76 dB	Distance to Ldn Noise Contour (feet): 71 dB	Distance to Ldn Noise Contour (feet): 66 dB	Distance to Ldn Noise Contour (feet): 61 dB	Distance to CNEL Noise Contour (feet): 76 dB	Distance to CNEL Noise Contour (feet): 71 dB	Distance to CNEL Noise Contour (feet): 66 dB	Distance to CNEL Noise Contour (feet): 61 dB	Distance to Leq1h Noise Contour (feet): 76 dB	Distance to Leq1h Noise Contour (feet): 71 dB	Distance to Leq1h Noise Contour (feet): 66 dB	Distance to Leq1h Noise Contour (feet): 61 dB
1	Tasman	Between Reamwood and Patrick Henry	H				17,300	3	4% HT	40	50	68.8	69.4	68.0			92	273		33	104	308			76	231
2	Tasman	Between Birchwood and Lawrence Expressway	H				20,000	3	4% HT	40	50	69.4	70.0	68.6		33	105	310		40	121	348			88	263
3	Lawrence Expressway	Between US-101 and Tasman	H				32,600	5	6% HT	50	50	74.7	75.3	73.9	36	110	320	785	43	125	359	866		92	271	689
4	Lawrence Expressway	Between Tasman and Elko	H				32,500	5	6% HT	50	50	74.7	75.3	73.9	36	110	319	784	43	125	359	864		92	270	688
5	Tasman	Between Lawrence Expressway and Fair Oaks	H				9,900	3	4% HT	40	50	66.4	67.0	65.6			54	163			61	187			46	136
6	Tasman	Between Great America and Old Ironside	H				10,800	3	4% HT	40	50	66.8	67.4	66.0			58	178			65	203			50	149
7	Great America Parkway	Between Old Glory and Patrick Henry	H				45,900	6	8% HT	40	50	74.0	74.6	73.2		95	285	722	35	109	321	802		80	241	629
8	Great America Parkway	Between Old Glory and Mission College	H				57,900	6	8% HT	40	50	75.0	75.6	74.2	39	120	348	862	46	136	390	950		99	297	756
9	Great America Parkway	Between Tasman and Bunker Hill	H				39,100	7	8% HT	40	50	73.6	74.2	72.8		87	261	676		98	295	754		72	221	586
10	Tasman	Between Great America and Lafayette	H				24,600	2	3% HT	40	50	70.0	70.6	69.2		39	119	342		45	135	383			98	292
11	Lafayette	Between Tasman and Agnew	H				20,600	2	3% HT	40	50	69.2	69.8	68.4			99	294		37	115	331			84	250
12	Lafayette	Between Tasman and SR-237	H				29,000	2	3% HT	40	50	70.7	71.3	69.9		46	139	391		53	159	439		38	117	337
13	Great America Parkway	Between US-101 and Mission College	H				69,200	5	6% HT	40	50	75.5	76.1	74.7	45	132	380	928	51	152	427		36	111	326	812
14	Lawrence Expressway	Between Oakmead and Arques	H				57,300	4	5% HT	50	50	76.9	77.5	76.1	60	179	481		66	204	537		51	150	419	983
15	Bowers	Between Scott and Central Expressway	H				32,100	3	4% HT	40	50	71.5	72.1	70.7		55	167	459		62	191	511		47	140	393
16	Tasman	Between Lickmill and Renaissance Drice	H				31,700	2	3% HT	40	50	71.1	71.7	70.3		51	152	422		57	174	472		42	127	362
17	Great America Parkway	Between Old Mountain View Alviso Road and SR-237	H				35,600	10	11% HT	40	50	73.9	74.5	73.1		93	281	720	34	106	317	800		78	237	626
18	Mission College	Between Freedom (West) and Freedom (East)	H				12,200	1	2% HT	40	50	66.5	67.1	65.7			56	169			62	193			47	141
19	Bowers	Between US-101 and Scott	H				54,500	5	6% HT	40	50	74.5	75.1	73.7	33	105	311	779	40	121	350	863		88	265	680
20	Agnew	Between Lafayette and Mission College	H				8,500	1	2% HT	25	50	60.5	61.1	59.7				45				51				36
21	Lawrence Expressway	Between Central Expressway and Arques	H				47,400	3	4% HT	50	50	75.8	76.4	75.0	48	140	394	933	54	160	440		40	118	339	823
22	Mission College	Between Burton and Wyatt	H				16,000	3	4% HT	40	50	68.5	69.1	67.7			85	255			96	288			70	216
23	Montague Expressway	Between Lafayette and Thomas	H				59,400	3	4% HT	45	50	75.5	76.1	74.7	45	132	375	902	51	151	421		36	111	323	791
24	Montague Expressway	Between US-101 and Thomas	H				73,400	3	4% HT	45	50	76.4	77.0	75.6	54	162	447		61	186	498		46	136	384	918
25	Montague Expressway	Between De La Cruz and Lafayette	H				60,800	3	4% HT	45	50	75.6	76.2	74.8	46	135	382	915	52	154	429		37	114	329	804

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Traffic Data:

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☐ Enter Loudest-hour Traffic

Units:

☐ Metric

☑ English

Calculate

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Link	Roadway	Segment Location	Hard or Soft Ground (H or S)	BARRIER			Total Daily Traffic Volumes (ADT)	Traffic Mix		Vehicle Speed	Sound Levels at Receiver Locations				Distance to Ldn Noise Contour (feet)				Distance to CNEL Noise Contour (feet)				Distance to Leq1h Noise Contour (feet)			
				Present 1=yes	Height min. 7 ft. max. 32 ft.	Distance 35 ft. or 100 ft.		Number #	Description	mph max. 80	Distance feet, min. 33 max. 1000	dB Ldn	dB CNEL	dBA Leq1h (loudest hour)	76 dB	71 dB	66 dB	61 dB	76 dB	71 dB	66 dB	61 dB	76 dB	71 dB	66 dB	61 dB
1	Tasman	Between Reamwood and Patrick Henry	H				23,700	5	6% HT	40	50	70.8	71.4	70.0		48	144	408		55	164	456		40	120	349
2	Tasman	Between Birchwood and Lawrence Expressway	H				25,700	5	6% HT	40	50	71.2	71.8	70.4		52	156	436		59	178	489		44	130	373
3	Lawrence Expressway	Between US-101 and Tasman	H				34,100	4	5% HT	50	50	74.7	75.3	73.9	36	109	316	774	42	124	355	852		91	267	681
4	Lawrence Expressway	Between Tasman and Elko	H				36,800	6	8% HT	50	50	75.5	76.1	74.7	45	129	372	897	51	148	417		36	109	319	785
5	Tasman	Between Lawrence Expressway and Fair Oaks	H				10,600	4	5% HT	40	50	67.0	67.6	66.2			61	189			69	214			53	157
6	Tasman	Between Great America and Old Ironside	H				18,100	5	6% HT	40	50	69.7	70.3	68.9		36	111	325		42	126	365			92	277
7	Great America Parkway	Between Old Glory and Patrick Henry	H				56,000	6	8% HT	40	50	74.9	75.5	74.1	38	116	338	841	44	131	379	928		96	288	733
8	Great America Parkway	Between Old Glory and Mission College	H				67,600	6	8% HT	40	50	75.7	76.3	74.9	47	139	395	962	53	159	444		38	116	340	844
9	Great America Parkway	Between Tasman and Bunker Hill	H				42,000	8	9% HT	40	50	74.2	74.8	73.4		98	294	753	37	113	331	831		83	250	649
10	Tasman	Between Great America and Lafayette	H				25,700	2	3% HT	40	50	70.2	70.7	69.4		41	124	355		47	142	397			103	304
11	Lafayette	Between Tasman and Agnew	H				21,400	2	3% HT	40	50	69.4	70.0	68.6			103	304		39	119	342			87	259
12	Lafayette	Between Tasman and SR-237	H				30,100	2	3% HT	40	50	70.8	71.4	70.0		48	145	404		55	165	453		40	121	347
13	Great America Parkway	Between US-101 and Mission College	H				76,500	5	6% HT	40	50	75.9	76.5	75.1	49	147	414		56	167	464		41	123	355	875
14	Lawrence Expressway	Between Oakmead and Arques	H				59,200	4	5% HT	50	50	77.1	77.6	76.3	61	185	494		69	210	550		53	155	430	
15	Bowers	Between Scott and Central Expressway	H				33,900	3	4% HT	40	50	71.7	72.3	70.9		58	176	480		64	200	532		49	148	413
16	Tasman	Between Lickmill and Renaissance Drice	H				32,600	1	2% HT	40	50	70.8	71.4	70.0		47	143	397		54	163	446		39	120	342
17	Great America Parkway	Between Old Mountain View Alviso Road and SR-237	H				38,200	10	11% HT	40	50	74.2	74.8	73.4		99	298	764	38	114	337	846		84	253	660
18	Mission College	Between Freedom (West) and Freedom (East)	H				13,600	2	3% HT	40	50	67.4	68.0	66.6			65	204			76	230			56	171
19	Bowers	Between US-101 and Scott	H				55,400	5	6% HT	40	50	74.5	75.1	73.7	34	107	316	787	41	122	354	874		90	269	689
20	Agnew	Between Lafayette and Mission College	H				8,600	1	2% HT	25	50	60.6	61.2	59.7				45				52				36
21	Lawrence Expressway	Between Central Expressway and Arques	H				48,600	3	4% HT	50	50	75.9	76.5	75.1	49	144	402	947	56	164	448		41	121	347	835
22	Mission College	Between Burton and Wyatt	H				17,000	3	4% HT	40	50	68.7	69.3	67.9			90	269			102	303			75	227
23	Montague Expressway	Between Lafayette and Thomas	H				61,400	3	4% HT	45	50	75.6	76.2	74.8	46	136	385	921	53	156	433		38	115	332	810
24	Montague Expressway	Between US-101 and Thomas	H				74,400	3	4% HT	45	50	76.5	77.1	75.7	55	164	451		62	188	503		47	138	388	927
25	Montague Expressway	Between De La Cruz and Lafayette	H				62,800	3	4% HT	45	50	75.7	76.3	74.9	47	139	392	936	54	159	440		39	118	338	823

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Calculate

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Link	Roadway	Segment Location	Hard or Soft Ground (H or S)	BARRIER Present 1=yes	BARRIER Height min. 7 ft. max. 32 ft.	BARRIER Distance 35 ft. or 100 ft.	Total Daily Traffic Volumes (ADT)	Traffic Mix Number #	Traffic Mix Description	Vehicle Speed mph max. 80	Sound Levels at Receiver Locations Distance feet, min. 33 max. 1000	dB Ldn	dB CNEL	dBA Leq1h (loudest hour)	Distance to Ldn Noise Contour (feet) 76 dB	71 dB	66 dB	61 dB	Distance to CNEL Noise Contour (feet) 76 dB	71 dB	66 dB	61 dB	Distance to Leq1h Noise Contour (feet) 76 dB	71 dB	66 dB	61 dB
1	Tasman	Between Reamwood and Patrick Henry	H				29,000	3	4% HT	40	50	71.1	71.6	70.3		51	152	423		57	173	473		42	126	362
2	Tasman	Between Birchwood and Lawrence Expressway	H				30,900	3	4% HT	40	50	71.3	71.9	70.5		54	161	445		60	184	497		45	134	382
3	Lawrence Expressway	Between US-101 and Tasman	H				35,900	4	5% HT	50	50	74.9	75.5	74.1	38	115	331	807	44	130	370	888		96	280	707
4	Lawrence Expressway	Between Tasman and Elko	H				39,700	5	6% HT	50	50	75.6	76.2	74.8	45	132	378	908	52	152	424		37	112	324	794
5	Tasman	Between Lawrence Expressway and Fair Oaks	H				14,400	3	4% HT	40	50	68.0	68.6	67.2			77	231			88	262			63	196
6	Tasman	Between Great America and Old Ironside	H				14,000	3	4% HT	40	50	67.9	68.5	67.1			74	226			86	256			62	191
7	Great America Parkway	Between Old Glory and Patrick Henry	H				53,800	5	6% HT	40	50	74.4	75.0	73.6		104	308	773	39	119	346	855		87	262	672
8	Great America Parkway	Between Old Glory and Mission College	H				83,400	4	5% HT	40	50	76.0	76.6	75.2	50	149	418		56	170	467		41	124	358	879
9	Great America Parkway	Between Tasman and Bunker Hill	H				56,600	6	8% HT	40	50	74.9	75.5	74.1	38	117	341	847	45	133	382	935		97	291	740
10	Tasman	Between Great America and Lafayette	H				30,200	2	3% HT	40	50	70.8	71.4	70.1		48	145	405		55	165	454		40	121	348
11	Lafayette	Between Tasman and Agnew	H				29,900	2	3% HT	40	50	70.8	71.4	70.0		48	144	401		54	164	450		39	120	345
12	Lafayette	Between Tasman and SR-237	H				22,000	3	4% HT	40	50	69.9	70.5	69.1		38	116	336		44	131	376			96	287
13	Great America Parkway	Between US-101 and Mission College	H				106,700	4	5% HT	40	50	77.0	77.6	76.3	61	189	509		69	214	567		53	158	440	
14	Lawrence Expressway	Between Oakmead and Arques	H				63,300	4	5% HT	50	50	77.3	77.9	76.5	64	197	522		74	222	580		56	164	451	
15	Bowers	Between Scott and Central Expressway	H				41,200	2	3% HT	40	50	72.2	72.8	71.4		63	195	518		72	221	576		54	164	450
16	Tasman	Between Lickmill and Renaissance Drice	H				43,100	2	3% HT	40	50	72.4	73.0	71.6		65	204	537		76	230	595		56	171	467
17	Great America Parkway	Between Old Mountain View Alviso Road and SR-237	H				49,000	8	9% HT	40	50	74.8	75.4	74.0	38	115	336	841	44	130	377	929		95	287	733
18	Mission College	Between Freedom (West) and Freedom (East)	H				19,100	2	3% HT	40	50	68.9	69.5	68.1			93	276		33	106	311			77	234
19	Bowers	Between US-101 and Scott	H				64,100	4	5% HT	40	50	74.8	75.4	74.0	37	115	335	828	44	131	376	915		96	286	720
20	Agnew	Between Lafayette and Mission College	H				11,300	1	2% HT	25	50	61.7	62.3	60.9				58				64				49
21	Lawrence Expressway	Between Central Expressway and Arques	H				53,200	3	4% HT	50	50	76.3	76.9	75.5	53	157	433		60	180	479		45	131	373	890
22	Mission College	Between Burton and Wyatt	H				28,800	3	4% HT	40	50	71.0	71.6	70.2		50	151	420		57	172	470		42	126	360
23	Montague Expressway	Between Lafayette and Thomas	H				73,100	3	4% HT	45	50	76.4	77.0	75.6	54	161	445		61	185	496		46	135	383	916
24	Montague Expressway	Between US-101 and Thomas	H				88,300	4	5% HT	45	50	77.5	78.1	76.7	67	206	547		78	233	606		58	173	474	
25	Montague Expressway	Between De La Cruz and Lafayette	H				74,800	4	5% HT	45	50	76.8	77.4	76.0	59	176	481		65	201	534		50	148	415	

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Calculate

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Link	Roadway	Segment Location	Hard or Soft Ground (H or S)	BARRIER: Present 1=yes	BARRIER: Height min. 7 ft. max. 32 ft.	BARRIER: Distance 35 ft. or 100 ft.	Total Daily Traffic Volumes (ADT)	Traffic Mix: Number #	Traffic Mix: Description	Vehicle Speed mph max. 80	Sound Levels at Receiver Locations: Distance feet, min. 33 max. 1000	Sound Levels at Receiver Locations: dB Ldn	Sound Levels at Receiver Locations: dB CNEL	Sound Levels at Receiver Locations: dBA Leq1h (loudest hour)	Distance to Ldn Noise Contour (feet): 76 dB	Distance to Ldn Noise Contour (feet): 71 dB	Distance to Ldn Noise Contour (feet): 66 dB	Distance to Ldn Noise Contour (feet): 61 dB	Distance to CNEL Noise Contour (feet): 76 dB	Distance to CNEL Noise Contour (feet): 71 dB	Distance to CNEL Noise Contour (feet): 66 dB	Distance to CNEL Noise Contour (feet): 61 dB	Distance to Leq1h Noise Contour (feet): 76 dB	Distance to Leq1h Noise Contour (feet): 71 dB	Distance to Leq1h Noise Contour (feet): 66 dB	Distance to Leq1h Noise Contour (feet): 61 dB
1	Tasman	Between Reamwood and Patrick Henry	H				33,900	5	6% HT	40	50	72.4	73.0	71.6		65	203	543		76	230	603		56	171	471
2	Tasman	Between Birchwood and Lawrence Expressway	H				35,400	4	5% HT	40	50	72.3	72.9	71.5		64	197	527		73	224	587		55	165	458
3	Lawrence Expressway	Between US-101 and Tasman	H				37,700	4	5% HT	50	50	75.1	75.7	74.3	40	120	345	834	47	136	385	922		100	293	732
4	Lawrence Expressway	Between Tasman and Elko	H				42,700	5	6% HT	50	50	75.9	76.5	75.1	49	142	401	951	55	162	447		40	120	345	837
5	Tasman	Between Lawrence Expressway and Fair Oaks	H				15,700	4	5% HT	40	50	68.7	69.3	67.9			90	269			102	304			75	227
6	Tasman	Between Great America and Old Ironside	H				21,400	4	5% HT	40	50	70.1	70.7	69.3		40	122	351		47	139	393			101	300
7	Great America Parkway	Between Old Glory and Patrick Henry	H				62,800	6	8% HT	40	50	75.4	76.0	74.6	43	129	372	914	50	148	418		35	108	319	797
8	Great America Parkway	Between Old Glory and Mission College	H				90,200	4	5% HT	40	50	76.3	76.9	75.5	53	160	446		60	183	498		45	134	382	929
9	Great America Parkway	Between Tasman and Bunker Hill	H				58,800	6	8% HT	40	50	75.1	75.7	74.3	40	121	352	872	47	138	395	960		101	301	763
10	Tasman	Between Great America and Lafayette	H				31,200	2	3% HT	40	50	71.0	71.6	70.2		50	150	417		56	171	466		41	125	358
11	Lafayette	Between Tasman and Agnew	H				31,100	2	3% HT	40	50	71.0	71.6	70.2		50	149	415		56	170	465		41	125	357
12	Lafayette	Between Tasman and SR-237	H				22,900	3	4% HT	40	50	70.0	70.6	69.2		40	120	347		46	137	388			100	297
13	Great America Parkway	Between US-101 and Mission College	H				110,700	4	5% HT	40	50	77.2	77.8	76.4	63	195	522		72	221	582		55	164	453	
14	Lawrence Expressway	Between Oakmead and Arques	H				65,800	4	5% HT	50	50	77.5	78.1	76.7	66	204	537		77	229	598		58	171	463	
15	Bowers	Between Scott and Central Expressway	H				42,700	3	4% HT	40	50	72.7	73.3	71.9		71	218	573		82	247	634		60	184	498
16	Tasman	Between Lickmill and Renaissance Drice	H				43,600	2	3% HT	40	50	72.4	73.0	71.6		66	206	542		77	232	600		57	173	471
17	Great America Parkway	Between Old Mountain View Alviso Road and SR-237	H				52,100	8	9% HT	40	50	75.1	75.7	74.3	40	121	354	880	47	139	397	971		101	303	769
18	Mission College	Between Freedom (West) and Freedom (East)	H				19,900	3	4% HT	40	50	69.4	70.0	68.6		33	105	309		39	120	347			88	262
19	Bowers	Between US-101 and Scott	H				63,900	4	5% HT	40	50	74.8	75.4	74.0	37	115	334	826	44	130	375	913		95	285	719
20	Agnew	Between Lafayette and Mission College	H				11,300	2	3% HT	25	50	62.6	63.2	61.7				68				80				58
21	Lawrence Expressway	Between Central Expressway and Arques	H				54,300	3	4% HT	50	50	76.4	77.0	75.6	54	160	439		61	183	487		46	134	379	904
22	Mission College	Between Burton and Wyatt	H				30,000	3	4% HT	40	50	71.2	71.8	70.4		52	157	435		59	179	486		44	130	373
23	Montague Expressway	Between Lafayette and Thomas	H				74,800	3	4% HT	45	50	76.5	77.1	75.7	55	164	453		62	189	505		47	138	390	931
24	Montague Expressway	Between US-101 and Thomas	H				89,200	4	5% HT	45	50	77.6	78.2	76.8	68	208	551		79	235	611		58	175	478	
25	Montague Expressway	Between De La Cruz and Lafayette	H				76,600	4	5% HT	45	50	76.9	77.5	76.1	60	181	490		67	206	545		51	151	423	

This spreadsheet calculates traffic noise levels based on TNM Version 2.5 Lookup Tables.

** Type in yellow cells only.

Traffic Data:
- ☑ Enter ADT Traffic
- ☐ Enter Loudest-hour Traffic

Units:
- ☐ Metric
- ☑ English

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Link	Roadway	Segment Location	Hard or Soft Ground (H or S)	BARRIER			Total Daily Traffic Volumes (ADT)	Traffic Mix		Vehicle Speed	Sound Levels at Receiver Locations				Distance to Ldn Noise Contour (feet)				Distance to CNEL Noise Contour (feet)				Distance to Leq1h Noise Contour (feet)			
				Present 1=yes	Height min. 7 ft. max. 32 ft.	Distance 35 ft. or 100 ft.		Number #	Description	mph max. 80	Distance feet, min. 33 max. 1000	dB Ldn	dB CNEL	dBA Leq1h (loudest hour)	76 dB	71 dB	66 dB	61 dB	76 dB	71 dB	66 dB	61 dB	76 dB	71 dB	66 dB	61 dB
9	Great America Parkway	Between Tasman and Bunker Hill	H				24,986	11	12% HT	40	50	72.6	73.2	71.8		69	212	572		80	241	636		59	178	496
17	Great America Parkway	Between Old Mountain View Alviso Road and SR-237	H				27,686	13	14% HT	40	50	73.5	74.1	72.7		85	255	669		96	289	748		70	215	580

2030 Build versus 2030 No-Build

Roadway Segment	Existing (CNEL)	Existing + Project (CNEL)	Increase (dB)	Significant Impact?
Tasman Between Reamwood and Patrick Henry	68.8	70.8	2.0	No
Tasman Between Birchwood and Lawrence Expressway	69.4	71.2	1.8	No
Lawrence Expressway Between US-101 and Tasman	74.7	74.7	-0.1	No
Lawrence Expressway Between Tasman and Elko	74.7	75.5	0.8	No
Tasman Between Lawrence Expressway and Fair Oaks	66.4	67.0	0.6	No
Tasman Between Great America and Old Ironside	66.8	69.7	2.9	No
Great America Parkway Between Old Glory and Patrick Henry	74.0	74.9	0.9	No
Great America Parkway Between Old Glory and Mission College	75.0	75.7	0.7	No
Great America Parkway Between Tasman and Bunker Hill	73.6	74.2	0.6	No
Tasman Between Great America and Lafayette	70.0	70.2	0.2	No
Lafayette Between Tasman and Agnew	69.2	69.4	0.2	No
Lafayette Between Tasman and SR-237	70.7	70.8	0.2	No
Great America Parkway Between US-101 and Mission College	75.5	75.9	0.4	No
Lawrence Expressway Between Oakmead and Arques	76.9	77.1	0.1	No
Bowers Between Scott and Central Expressway	71.5	71.7	0.2	No
Tasman Between Lickmill and Renaissance Drice	71.1	70.8	-0.3	No
Great America Parkway Between Old Mountain View Alviso Road and SR-237	73.9	74.2	0.3	No
Mission College Between Freedom (West) and Freedom (East)	66.5	67.4	0.9	No
Bowers Between US-101 and Scott	74.5	74.5	0.1	No
Agnew Between Lafayette and Mission College	60.5	60.6	0.0	No
Lawrence Expressway Between Central Expressway and Arques	75.8	75.9	0.1	No
Mission College Between Burton and Wyatt	68.5	68.7	0.3	No
Montague Expressway Between Lafayette and Thomas	75.5	75.6	0.1	No
Montague Expressway Between US-101 and Thomas	76.4	76.5	0.1	No
Montague Expressway Between De La Cruz and Lafayette	75.6	75.7	0.1	No

Notes:

[a.] A 3 dB or less change in noise levels traffic would not constitute a significant impact, because such a change in noise is considered just noticeable.

2035 Build versus 2035 No-Build

Roadway Segment	Existing (Ldn)	No Project (Ldn)	Future With Project (Ldn)	Increase (dB) relative to Existing	Increase (dB) relative to No Project	Significant Impact?
Tasman Between Reamwood and Patrick Henry	65.3	71.1	72.4	7.1	1.3	No
Tasman Between Birchwood and Lawrence Expressway	66.8	71.3	72.3	5.5	0.9	No
Lawrence Expressway Between US-101 and Tasman	74.3	74.9	75.1	0.8	0.2	No
Lawrence Expressway Between Tasman and Elko	74.1	75.6	75.9	1.8	0.3	No
Tasman Between Lawrence Expressway and Fair Oaks	62.1	68.0	68.7	6.6	0.7	No
Tasman Between Great America and Old Ironside	60.8	67.9	70.1	9.3	2.2	No
Great America Parkway Between Old Glory and Patrick Henry	72.4	74.4	75.4	3.0	1.0	No
Great America Parkway Between Old Glory and Mission College	73.1	76.0	76.3	3.3	0.3	No
Great America Parkway Between Tasman and Bunker Hill	72.0	74.9	75.1	3.0	0.2	No
Tasman Between Great America and Lafayette	64.9	70.8	71.0	6.1	0.1	No
Lafayette Between Tasman and Agnew	65.9	70.8	71.0	5.1	0.2	No
Lafayette Between Tasman and SR-237	66.7	69.9	70.0	3.3	0.2	No
Great America Parkway Between US-101 and Mission College	74.0	77.0	77.2	3.2	0.2	No
Lawrence Expressway Between Oakmead and Arques	76.7	77.3	77.5	0.8	0.2	No
Bowers Between Scott and Central Expressway	70.8	72.2	72.7	1.9	0.5	No
Tasman Between Lickmill and Renaissance Drice	67.9	72.4	72.4	4.6	0.0	No
Great America Parkway Between Old Mountain View Alviso Road and SR-237	72.7	74.8	75.1	2.4	0.3	No
Mission College Between Freedom (West) and Freedom (East)	65.0	68.9	69.4	4.4	0.6	No
Bowers Between US-101 and Scott	73.8	74.8	74.8	1.0	0.0	No
Agnew Between Lafayette and Mission College	59.2	61.7	62.6	3.4	0.8	No
Lawrence Expressway Between Central Expressway and Arques	75.5	76.3	76.4	1.0	0.1	No
Mission College Between Burton and Wyatt	67.6	71.0	71.2	3.6	0.2	No
Montague Expressway Between Lafayette and Thomas	74.0	76.4	76.5	2.5	0.1	No
Montague Expressway Between US-101 and Thomas	75.6	77.5	77.6	2.0	0.0	No
Montague Expressway Between De La Cruz and Lafayette	74.3	76.8	76.9	2.6	0.1	No

Notes:

[a.] A 3 dB or less change in noise levels traffic would not constitute a significant impact, because such a change in noise is considered just noticeable.

Construction Haul and Vendor Truck Noise

Roadway Segment	Existing (CNEL)	Existing + Project (CNEL)	Increase (dB)	Significant Impact?
Great America Parkway Between Tasman and Bunker Hill	72.0	72.6	0.6	No
Great America Parkway Between Old Mountain View Alviso Road and SR-237	72.7	73.5	0.7	No

Notes:

[a] A 3 dB or less change in noise levels traffic would not constitute a significant impact, because such a change in noise is considered just noticeable.