APPENDIX G:

NOISE MONITORING DATA AND CALCULATIONS WORKSHEETS

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Source: Google Earth, Aerial View, 2018.

PARKER ENVIRONMENTAL CONSULTANTS

Noise Monitoring and Sensitive Receptor Location Map

December 17, 2018

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Summary

File Name on Meter	831_Data.146
Serial Number	0003748
Model	Model 831
Firmware Version	2.311
User	Adrianna Gjonaj
Job Description	2255 Sawtelle Boulevard Project

Location A: On the northwest corner of the intersection of Sawtelle Boulevard and Tennessee Avenue
Noise Sources: Heavy vehcile traffic, light pedestrian traffic, delivery trucks, USPS mail trucks, buses

Measurement

Description	
Start	2018-12-17 12:17:44
Stop	2018-12-17 12:32:44
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-12-17 11:54:29
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamp	PRM831
Microphone Correction	Off
Integration Method	Linear
Gain	0.0 dB
Overload	142.8 dB

	A	C	Z
Under Range Peak	75.2	72.2	**77.2** dB
Under Range Limit	**26.1**	26.3	31.6 dB
Noise Floor	16.9	17.2	22.3 dB

Results

L_{Aeq}	64.4 dB			
LAE	94.0 dB			
EA	277.902 µPa²h			
$LZ_{peak\ (max)}$	2018-12-17 12:32:36	107.3 dB		
LAS_{max}	2018-12-17 12:32:37	84.7 dB		
LAS_{min}	2018-12-17 12:21:21	55.7 dB		
SEA	-99.9 dB			
LAS > 65.0 dB (Exceedance Counts / Duration)	28	276.2 s		
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s		
LZ_{peak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s		
LZ_{peak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s		
LZ_{peak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s		

Community Noise	**Ldn**	**LDay 07:00-22:00**	**Lden**	**LDay 07:00-19:00**
	64.4	64.4	64.4	64.4

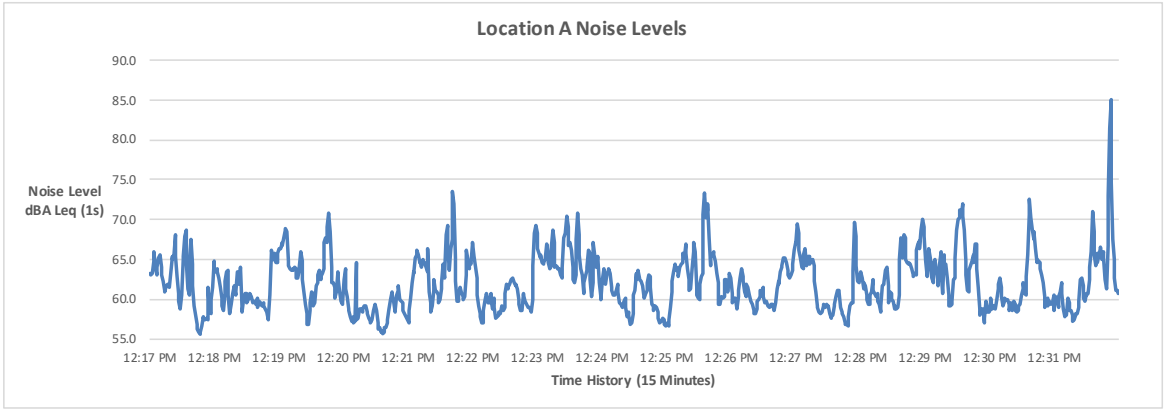
LC_{eq}	72.0 dB
LA_{eq}	64.4 dB
LC_{eq} - LA_{eq}	7.6 dB
LAI_{eq}	66.6 dB
LA_{eq}	64.4 dB
LAI_{eq} - LA_{eq}	2.2 dB

December 17, 2018

	A	
	dB	Time Stamp
L_{eq}	64.4	
$L_{S(max)}$	84.7	2018/12/17 12:32:37
$L_{F(max)}$	88.5	2018/12/17 12:32:37
$L_{I(max)}$	89.5	2018/12/17 12:32:36
$L_{S(min)}$	55.7	2018/12/17 12:21:21
$L_{F(min)}$	55.2	2018/12/17 12:21:21
$L_{I(min)}$	55.6	2018/12/17 12:21:21
$L_{Peak(max)}$	102.0	2018/12/17 12:32:36

# Overloads	0	
Overload Duration	0.0	s

Statistics		
LAS5.00	68.4	dB
LAS10.00	66.6	dB
LAS33.30	63.6	dB
LAS50.00	61.7	dB
LAS66.60	60.2	dB
LAS90.00	58.4	dB



PARKER ENVIRONMENTAL CONSULTANTS

December 17, 2018

Summary

File Name on Meter	831_Data.145
Serial Number	0003748
Model	Model 831
Firmware Version	2.311
User	Adrianna Gjonaj
Job Description	2255 Sawtelle Boulevard Project

Location B: On the west side of Corinth Avenue
Noise Sources: Vehicle traffic, light pedestrian traffic, delivery trucks, USPS mail trucks

Measurement

Description	
Start	2018-12-17 11:58:41
Stop	2018-12-17 12:13:41
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2018-12-17 11:54:33
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamp	PRM831
Microphone Correction	Off
Integration Method	Linear
Gain	0.0 dB
Overload	142.8 dB

	A	C	Z
Under Range Peak	75.2	72.2	**77.2** dB
Under Range Limit	**26.1**	26.3	31.6 dB
Noise Floor	16.9	17.2	22.3 dB

Results

LA_{eq}	63.4 dB	
LAE	92.9 dB	
EA	217.253 µPa²h	
$LZ_{peak\ (max)}$	2018-12-17 12:00:20	101.2 dB
LAS_{max}	2018-12-17 12:13:03	76.7 dB
LAS_{min}	2018-12-17 12:04:34	54.5 dB
SEA	-99.9 dB	
LAS > 65.0 dB (Exceedance Counts / Duration)	37	194.9 s
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZ_{peak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZ_{peak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LZ_{peak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

Community Noise	**Ldn**	**LDay 07:00-22:00**	**Lden**	**LDay 07:00-19:00**
	63.4	63.4	63.4	63.4

LC_{eq}	73.4 dB
LA_{eq}	63.4 dB
LC_{eq} - LA_{eq}	10.0 dB
LAI_{eq}	65.8 dB
LA_{eq}	63.4 dB
LAI_{eq} - LA_{eq}	2.4 dB

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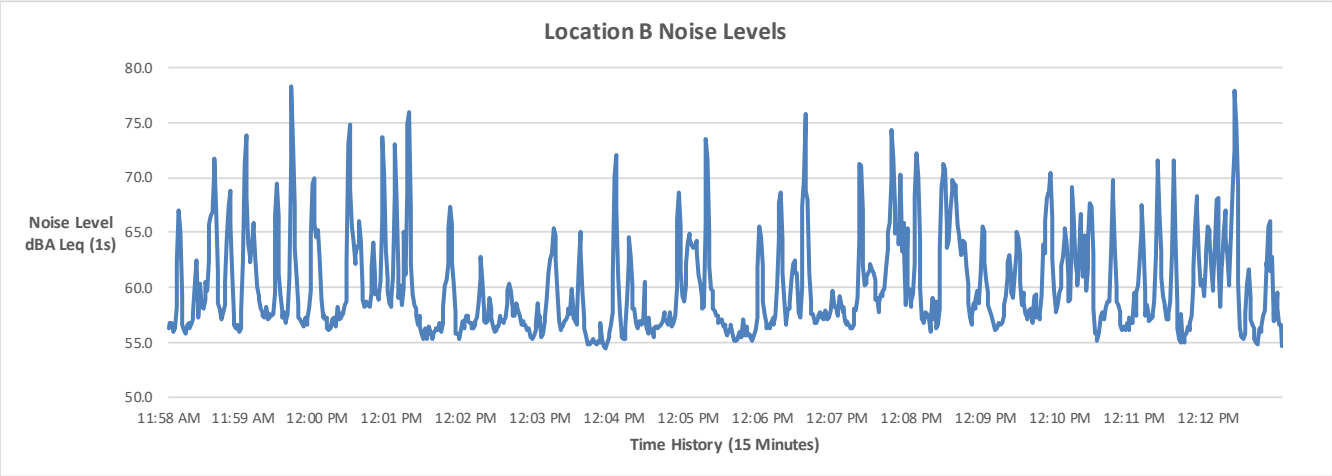
	A	
	dB	Time Stamp
L_{eq}	63.4	
$L_{S(max)}$	76.7	2018/12/17 12:13:03
$L_{F(max)}$	80.1	2018/12/17 12:13:02
$L_{I(max)}$	82.3	2018/12/17 12:00:20
$L_{S(min)}$	54.5	2018/12/17 12:04:34
$L_{F(min)}$	53.3	2018/12/17 12:13:41
$L_{I(min)}$	54.1	2018/12/17 12:04:34
$L_{Peak(max)}$	98.7	2018/12/17 12:00:20

# Overloads	0
Overload Duration	0.0 s

Statistics	
LAS5.00	69.3 dB
LAS10.00	67.0 dB
LAS33.30	61.6 dB
LAS50.00	58.9 dB
LAS66.60	57.5 dB
LAS90.00	56.2 dB



Project: 2255 Sawtelle Blvd
Date: December 12, 2018
Analyst: Elise Lorenzana

		Construction Noise at 50 feet with Mufflers				
		Ground Clearing	Grading/ Excavation	Foundations	Structural	Finishing
Sensitive Receptor	Distance to Construction (feet)	82	86	77	83	86
1	220	69.1	73.1	64.1	70.1	73.1

Noise Levels with Mitigation Measures			
Sensitive Receptor	Distance to Construction (feet)	Exterior Nose Level	Interior Noise Level*
1	220	73.1	53.1

* Building facades are capable of attenuating noise by approximately 20-dBA

Calculations of estimated noise levels were are based on Federal Transit Administration, Transit Noise and Vibration Impact Assessment, Final Report, May 2006.