APPENDIX H

NOISE DATA

Measurement Report

Report Summary

Meter's File Name	ST-.118.s	Computer's File Name	LxTse_0007061-20230606 103040-ST-.118.ldbin
Meter	LxT SE 0007061	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-06-06 10:30:40	Duration	0:10:00.0		
End Time	2023-06-06 10:40:40	Run Time	0:09:59.5	Pause Time	0:00:00.5
Pre-Calibration	2023-06-05 10:13:28	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	59.5 dB		
LAE	87.3 dB	SEA	--- dB
EA	59.4 µPa²h		
LA_{peak}	93.6 dB	2023-06-06 10:35:42	
LAS_{max}	76.6 dB	2023-06-06 10:35:43	
LAS_{min}	45.5 dB	2023-06-06 10:33:08	
LA_{eq}	59.5 dB		
LC_{eq}	69.4 dB	LC_{eq} - LA_{eq}	9.9 dB
LAI_{eq}	61.8 dB	LAI_{eq} - LA_{eq}	2.3 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
59.5 dB	59.5 dB	0.0 dB

LDEN	LDay	LEve	LNight
59.5 dB	59.5 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	59.5 dB		69.4 dB		--- dB	
$LS_{(max)}$	76.6 dB	2023-06-06 10:35:43	--- dB	None	--- dB	None
$LS_{(min)}$	45.5 dB	2023-06-06 10:33:08	--- dB	None	--- dB	None
$L_{Peak(max)}$	93.6 dB	2023-06-06 10:35:42	--- dB	None	--- dB	None

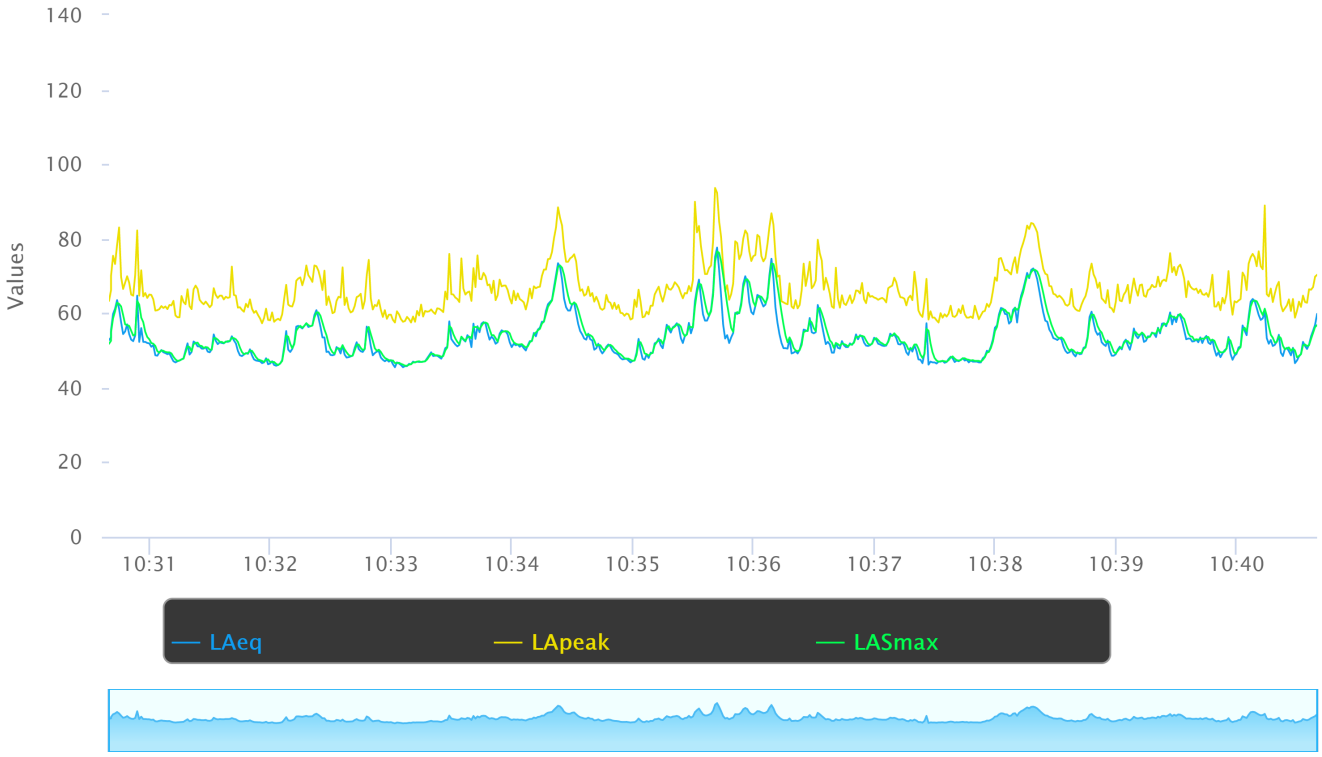
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	65.4 dB
LAS 10.0	61.7 dB
LAS 33.3	54.5 dB
LAS 50.0	52.2 dB
LAS 66.6	50.6 dB
LAS 90.0	47.5 dB

Time History



Measurement Report

Report Summary

Meter's File Name	ST-.120.s	Computer's File Name	LxTse_0007061-20230606 110913-ST-.120.ldbin
Meter	LxT SE 0007061	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-06-06 11:09:13	Duration	0:10:20.8		
End Time	2023-06-06 11:21:14	Run Time	0:10:01.9	Pause Time	0:00:18.9
Pre-Calibration	None	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	57.5 dB		
LAE	85.3 dB	SEA	--- dB
EA	37.6 µPa²h		
LA_{peak}	93.3 dB	2023-06-06 11:09:53	
LAS_{max}	71.4 dB	2023-06-06 11:17:26	
LAS_{min}	43.1 dB	2023-06-06 11:16:11	
LA_{eq}	57.5 dB		
LC_{eq}	68.7 dB	LC_{eq} - LA_{eq}	11.2 dB
LAI_{eq}	61.6 dB	LAI_{eq} - LA_{eq}	4.1 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
57.5 dB	57.5 dB	0.0 dB

LDEN	LDay	LEve	LNight
57.5 dB	57.5 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	57.5 dB		68.7 dB		--- dB	
$LS_{(max)}$	71.4 dB	2023-06-06 11:17:26	--- dB	None	--- dB	None
$LS_{(min)}$	43.1 dB	2023-06-06 11:16:11	--- dB	None	--- dB	None
$L_{Peak(max)}$	93.3 dB	2023-06-06 11:09:53	--- dB	None	--- dB	None

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	63.6 dB
LAS 10.0	60.8 dB
LAS 33.3	55.6 dB
LAS 50.0	52.8 dB
LAS 66.6	49.9 dB
LAS 90.0	45.9 dB

Measurement Report

Report Summary

Meter's File Name	ST-.121.s	Computer's File Name	LxTse_0007061-20230606 113307-ST-.121.ldbin
Meter	LxT SE 0007061	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-06-06 11:33:07	Duration	0:10:00.0		
End Time	2023-06-06 11:43:07	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	None	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	7.6 dB		
LAE	35.4 dB	SEA	--- dB
EA	0.0 µPa²h		
LA_{peak}	28.5 dB	2023-06-06 11:33:07	
LAS_{max}	7.8 dB	2023-06-06 11:36:52	
LAS_{min}	7.5 dB	2023-06-06 11:40:16	
LA_{eq}	7.6 dB		
LC_{eq}	8.1 dB	LC_{eq} - LA_{eq}	0.5 dB
LAI_{eq}	7.8 dB	LAI_{eq} - LA_{eq}	0.2 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LApeak > 135.0 dB	0	0:00:00.0
LApeak > 137.0 dB	0	0:00:00.0
LApeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
7.6 dB	7.6 dB	0.0 dB

LDEN	LDay	LEve	LNight
7.6 dB	7.6 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	7.6 dB		8.1 dB		--- dB	
$LS_{(max)}$	7.8 dB	2023-06-06 11:36:52	--- dB	None	--- dB	None
$LS_{(min)}$	7.5 dB	2023-06-06 11:40:16	--- dB	None	--- dB	None
$L_{Peak(max)}$	28.5 dB	2023-06-06 11:33:07	--- dB	None	--- dB	None

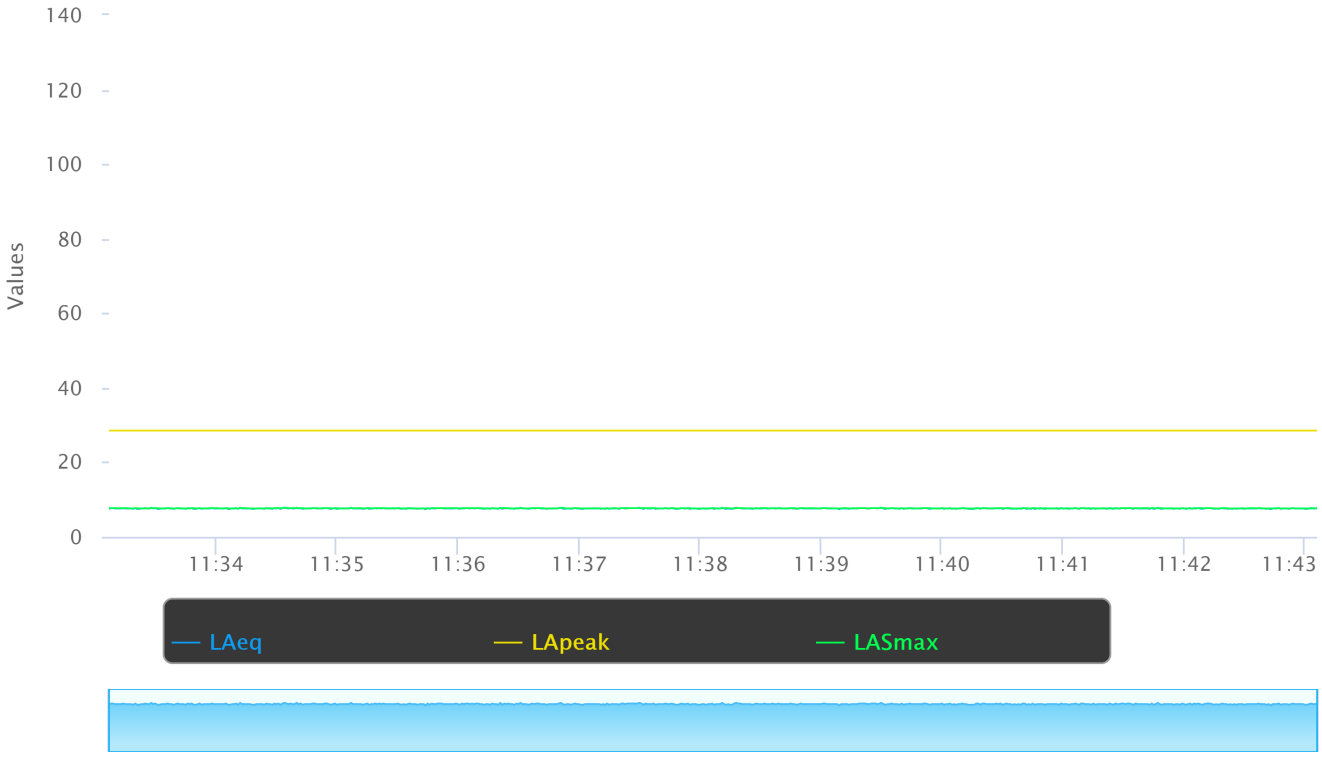
Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	7.7 dB
LAS 10.0	7.7 dB
LAS 33.3	7.6 dB
LAS 50.0	7.6 dB
LAS 66.6	7.6 dB
LAS 90.0	7.6 dB

Time History



Project: Lowe's Parking Lot Expansion - Perris
Construction Noise Impact on Sensitive Receptors

Parameters

Construction Hours:	Daytime hours (7 am to 7 pm)	8
	Evening hours (7 pm to 10 pm)	0
	Nighttime hours (10 pm to 7 am)	0
Leq to L10 factor		3

	Receptor (Land Use)	Distance (feet)	Shielding	Direction
1	Single Family Residential	1,242	15	W
2	Mobile Homes	1,800	3	E
3	Val Verde High School	2,700	0	SW
4	Single Family Residential	1,590	0	N

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					RECEPTOR 1				RECEPTOR 2				RECEPTOR 3				RECEPTOR 4			
Construction Phase	Equipment Type	No. of Equip.	Acoustical Usage Factor	Reference Noise Level at 50ft per Unit, Lmax	Noise Level at Receptor 1, Lmax			Noise Level at Receptor 1, Leq	Noise Level at Receptor 2, Lmax			Noise Level at Receptor 2, Leq	Noise Level at Receptor 3, Lmax			Noise Level at Receptor 3, Leq	Noise Level at Receptor 4, Lmax			Noise Level at Receptor 4, Leq
Site Preparation																				
	Dozer	3	40%	82	43.6	22741.4	9096.6	39.6	52.3	171599.6	68639.8	48.4	51.8	152171.6	60868.7	47.8	56.4	438800.4	175520.2	52.4
	Tractor	4	40%	84	47.1	51494.0	20597.6	43.1	55.9	388557.2	155422.9	51.9	55.4	344566.0	137826.4	51.4	60.0	993586.7	397434.7	56.0
	Combined LEQ				48.7			44.7	57.5			53.5	57.0			53.0	61.6			57.6
Grading																				
	Grader	1	40%	85	42.1	16206.8	6482.7	38.1	50.9	122291.1	48916.5	46.9	50.4	108445.7	43378.3	46.4	55.0	312712.9	125085.1	51.0
	Excavator	2	40%	81	40.8	12042.8	4817.1	36.8	49.6	90870.9	36348.4	45.6	49.1	80582.8	32233.1	45.1	53.7	232367.7	92947.1	49.7
	Tractor	2	40%	84	44.1	25747.0	10298.8	40.1	52.9	194278.6	77711.4	48.9	52.4	172283.0	68913.2	48.4	57.0	496793.3	198717.3	53.0
	Scraper	2	40%	84	43.7	23481.6	9392.6	39.7	52.5	177184.2	70873.7	48.5	52.0	157124.0	62849.6	48.0	56.6	453080.9	181232.4	52.6
	Dozer	1	40%	82	38.8	7580.5	3032.2	34.8	47.6	57199.9	22879.9	43.6	47.1	50723.9	20289.6	43.1	51.7	146266.8	58506.7	47.7
	Combined LEQ				49.3			45.3	58.1			54.1	57.6			53.6	62.2			58.2
Paving																				
	Paver	2	50%	77	37.3	5379.3	2689.7	34.3	46.1	40590.6	20295.3	43.1	45.6	35995.0	17997.5	42.6	50.2	103794.8	51897.4	47.2
	All Other Equipment > 5 HP	2	50%	85	45.1	32413.6	16206.8	42.1	53.9	244582.3	122291.1	50.9	53.4	216891.5	108445.7	50.4	58.0	625425.7	312712.9	55.0
	Roller	2	20%	80	40.1	10250.1	2050.0	33.1	48.9	77343.7	15468.7	41.9	48.4	68587.1	13717.4	41.4	53.0	197777.0	39555.4	46.0
	Combined LEQ				46.8			43.2	55.6			52.0	55.1			51.5	59.7			56.1
Architectural Coating																				
	Compressor (air)	1	40%	78	34.8	3017.8	1207.1	30.8	43.6	22771.7	9108.7	39.6	43.1	20193.5	8077.4	39.1	47.7	58229.9	23291.9	43.7
	Combined LEQ				34.8			30.9	43.6			39.6	43.1			39.1	47.7			43.7
Maximum Noise Level					49.3			45.3	58.1			54.1	57.6			53.6	62.2			58.2

Source for Ref. Noise Levels: RCNM, 2005