

Appendix G

Supporting Noise Data

Noise Measurement Data

ST-1

Summary

File Name on Meter	LxT_24hr.006.s
File Name on PC	LxT_0006387-20221114 091139-LxT_24hr.006.ldbin
Serial Number	0006387
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	Rincon 24 hour measurement
Start	2022-11-14 09:11:39
Stop	2022-11-14 09:26:42
Duration	00:15:03.0
Run Time	00:12:15.7
Pause	00:02:47.3
Pre-Calibration	2022-08-15 10:15:44
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Preamplifier	PRMLxT1L	
Microphone Correction	Off	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/3 Octave	
OBA Frequency Weighting	A Weighting	
OBA Max Spectrum	Bin Max	
Overload	121.6 dB	
	A	C
Under Range Peak	78.1	75.1
Under Range Limit	24.0	24.8
Noise Floor	14.9	15.7
	First	Second
Instrument Identification		

Results

LAeq	72.0 dB
LAE	100.7 dB
EA	1.296 mPa ² h

EA8	50.717 mPa ² h	
EA40	253.583 mPa ² h	
LA _{peak} (max)	2022-11-14 09:18:30	104.8
LAS _{max}	2022-11-14 09:26:28	85.3
LAS _{min}	2022-11-14 09:24:33	49.9
SEA	-99.9 dB	

	Exceedance Counts	Durat
LAS > 85.0 dB	1	1.3
LAS > 95.0 dB	0	0.0
LA _{peak} > 135.0 dB	0	0.0
LA _{peak} > 137.0 dB	0	0.0
LA _{peak} > 140.0 dB	0	0.0

Community Noise	Ldn	LDay 07:00-22:00
	72.0	72.0

LC _{eq}	77.0 dB
LA _{eq}	72.0 dB
LC _{eq} - LA _{eq}	5.0 dB
LA _{leq}	73.5 dB
LA _{eq}	72.0 dB
LA _{leq} - LA _{eq}	1.5 dB

A	
dB	Time Stamp
Leq	72.0
LS(max)	2022/11/14 9:26:28
LS(min)	2022/11/14 9:24:33
LPeak(max)	2022/11/14 9:18:30

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

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5
Threshold	90	80
Criterion Level	90	90
Criterion Duration	8	8

Results

Dose	-99.94	0.01
Projected Dose	-99.94	0.23
TWA (Projected)	-99.9	46.2
TWA (t)	-99.9	19.7
Lep (t)	56.1	56.1

Statistics

LA 2.00	78.0 dB
LA 8.00	75.5 dB
LA 25.00	73.3 dB
LA 50.00	70.6 dB
LA 66.60	68.8 dB
LA 90.00	60.9 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1	2021-02-24 14:32:47	-49.03
PRMLxT1	2021-02-24 13:58:06	-49.03
PRMLxT1	2021-02-24 13:44:46	-49.03
PRMLxT1L	2022-08-15 10:15:44	-27.82
PRMLxT1L	2022-08-15 09:48:52	-28.30
PRMLxT1L	2022-08-01 11:51:06	-28.16
PRMLxT1L	2022-07-23 09:52:46	-27.90
PRMLxT1L	2022-07-18 11:17:09	-27.82
PRMLxT1L	2021-03-21 14:11:43	-27.79
PRMLxT1L	2021-02-26 08:38:15	-27.69
PRMLxT1L	2021-02-25 06:34:39	-27.65
PRMLxT1L	2021-02-25 06:09:47	-26.38
PRMLxT1L	2021-02-25 05:36:18	-26.38
PRMLxT1L	2021-02-25 05:26:38	-26.38

Summary

File Name on Meter	LxT_24hr.007.s
File Name on PC	LxT_0006387-20221114 092810-LxT_24hr.007.ldbin
Serial Number	0006387
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	Rincon 24 hour measurement
Start	2022-11-14 09:28:10
Stop	2022-11-14 09:43:13
Duration	00:15:02.9
Run Time	00:15:01.0
Pause	00:00:01.9
Pre-Calibration	2022-08-15 10:15:44
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Preamplifier	PRMLxT1L	
Microphone Correction	Off	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/3 Octave	
OBA Frequency Weighting	A Weighting	
OBA Max Spectrum	Bin Max	
Overload	121.6 dB	
	A	C
Under Range Peak	78.1	75.1
Under Range Limit	24.0	24.8
Noise Floor	14.9	15.7
	First	Second
Instrument Identification		

Results

LAeq	57.7 dB
LAE	87.2 dB
EA	58.950 $\mu\text{Pa}^2\text{h}$

EA8	1.884 mPa ² h	
EA40	9.421 mPa ² h	
LA _{peak} (max)	2022-11-14 09:29:12	85.9
LAS _{max}	2022-11-14 09:43:04	70.5
LAS _{min}	2022-11-14 09:34:45	43.2
SEA	-99.9 dB	

	Exceedance Counts	Durat
LAS > 85.0 dB	0	0.0
LAS > 95.0 dB	0	0.0
LA _{peak} > 135.0 dB	0	0.0
LA _{peak} > 137.0 dB	0	0.0
LA _{peak} > 140.0 dB	0	0.0

Community Noise	Ldn	LDay 07:00-22:00
	57.7	57.7

LC _{eq}	65.9 dB
LA _{eq}	57.7 dB
LC _{eq} - LA _{eq}	8.2 dB
LA _{leq}	59.4 dB
LA _{eq}	57.7 dB
LA _{leq} - LA _{eq}	1.7 dB

A		
	dB	Time Stamp
Leq	57.7	
LS(max)	70.5	2022/11/14 9:43:04
LS(min)	43.2	2022/11/14 9:34:45
LPeak(max)	85.9	2022/11/14 9:29:12

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

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5
Threshold	90	80
Criterion Level	90	90
Criterion Duration	8	8

Results

Dose	-99.94	-99.94
Projected Dose	-99.94	-99.94
TWA (Projected)	-99.9	-99.9
TWA (t)	-99.9	-99.9
Lep (t)	42.7	42.7

Statistics

LA 2.00	64.1 dB
LA 8.00	61.4 dB
LA 25.00	58.6 dB
LA 50.00	56.1 dB
LA 66.60	54.1 dB
LA 90.00	48.4 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1	2021-02-24 14:32:47	-49.03
PRMLxT1	2021-02-24 13:58:06	-49.03
PRMLxT1	2021-02-24 13:44:46	-49.03
PRMLxT1L	2022-08-15 10:15:44	-27.82
PRMLxT1L	2022-08-15 09:48:52	-28.30
PRMLxT1L	2022-08-01 11:51:06	-28.16
PRMLxT1L	2022-07-23 09:52:46	-27.90
PRMLxT1L	2022-07-18 11:17:09	-27.82
PRMLxT1L	2021-03-21 14:11:43	-27.79
PRMLxT1L	2021-02-26 08:38:15	-27.69
PRMLxT1L	2021-02-25 06:34:39	-27.65
PRMLxT1L	2021-02-25 06:09:47	-26.38
PRMLxT1L	2021-02-25 05:36:18	-26.38
PRMLxT1L	2021-02-25 05:26:38	-26.38

LT-1

Freq Weight : A
 Time Weight : SLOW
 Level Range : 30-90
 Max dB : 87.7 - 2022/11/14 16:28:24
 Level Range : 30-90
 SEL : 119.3
 Leq : 56.9

No. s	Date Time	(dB)				
1	2022/11/14 08:59:58	53.7	45.5	62.7	52.0	54.1
6	2022/11/14 09:19:58	60.6	58.4	55.7	50.6	56.2
11	2022/11/14 09:39:58	59.8	59.2	62.5	56.3	61.2
16	2022/11/14 09:59:58	63.0	52.2	56.1	60.5	61.5
21	2022/11/14 10:19:58	56.8	59.6	63.1	58.0	57.9
26	2022/11/14 10:39:58	57.3	55.7	53.5	51.9	57.4
31	2022/11/14 10:59:58	54.9	51.4	59.4	59.8	45.7
36	2022/11/14 11:19:58	56.0	60.4	53.4	49.0	54.3
41	2022/11/14 11:39:58	52.6	48.3	51.7	60.6	52.6
46	2022/11/14 11:59:58	54.6	62.1	57.1	59.6	59.0
51	2022/11/14 12:19:58	62.0	61.2	59.5	51.9	54.2
56	2022/11/14 12:39:58	54.0	55.5	58.5	55.5	51.3
61	2022/11/14 12:59:58	65.1	60.0	52.5	59.0	60.7
66	2022/11/14 13:19:58	59.3	56.7	57.4	56.3	49.4
71	2022/11/14 13:39:58	53.3	43.5	47.8	60.2	54.2
76	2022/11/14 13:59:58	54.8	43.1	47.9	61.4	48.2
81	2022/11/14 14:19:58	47.7	58.0	55.9	61.0	59.3
86	2022/11/14 14:39:58	58.1	61.7	52.9	61.8	60.1
91	2022/11/14 14:59:58	45.1	53.1	53.5	54.7	45.5
96	2022/11/14 15:19:58	59.3	54.2	60.6	59.2	60.3
101	2022/11/14 15:39:58	57.4	59.7	58.8	58.1	62.3
106	2022/11/14 15:59:58	57.1	54.4	52.9	57.8	57.6
111	2022/11/14 16:19:58	67.9	57.1	56.1	59.6	55.4
116	2022/11/14 16:39:58	57.1	49.5	55.6	50.9	54.7
121	2022/11/14 16:59:58	62.6	58.9	53.8	57.6	55.4
126	2022/11/14 17:19:58	58.9	53.3	59.2	57.2	55.2
131	2022/11/14 17:39:58	59.5	51.9	60.4	50.9	58.6
136	2022/11/14 17:59:58	59.3	49.7	56.1	54.1	52.4
141	2022/11/14 18:19:58	53.8	57.6	57.7	58.2	56.4
146	2022/11/14 18:39:58	64.0	60.2	55.8	57.0	59.1
151	2022/11/14 18:59:58	58.0	57.2	62.0	54.5	45.2
156	2022/11/14 19:19:58	53.4	47.2	55.8	56.8	58.8
161	2022/11/14 19:39:58	51.5	53.8	57.9	55.3	59.2
166	2022/11/14 19:59:58	60.7	52.3	60.1	61.3	50.2
171	2022/11/14 20:19:58	55.5	48.7	50.5	57.3	58.4
176	2022/11/14 20:39:58	44.5	50.4	58.7	54.4	55.9
181	2022/11/14 20:59:58	43.4	60.1	51.9	51.4	45.5
186	2022/11/14 21:19:58	47.6	50.3	50.4	47.6	57.5
191	2022/11/14 21:39:58	52.0	51.0	45.4	52.8	53.6
196	2022/11/14 21:59:58	59.2	50.4	44.9	48.5	45.5
201	2022/11/14 22:19:58	53.7	55.3	48.4	46.3	44.6
206	2022/11/14 22:39:58	47.6	48.2	43.9	49.6	54.5
211	2022/11/14 22:59:58	55.5	42.1	52.2	48.6	55.5
216	2022/11/14 23:19:58	48.2	46.1	42.1	42.4	61.7
221	2022/11/14 23:39:58	53.6	47.2	41.6	57.9	42.8
226	2022/11/14 23:59:58	49.4	55.9	42.6	43.3	42.6
231	2022/11/15 00:19:58	54.2	44.6	52.6	61.5	46.7
236	2022/11/15 00:39:58	41.7	41.0	42.6	44.4	42.4
241	2022/11/15 00:59:58	41.9	42.7	42.8	41.9	51.6
246	2022/11/15 01:19:58	40.7	41.1	46.6	50.7	43.3
251	2022/11/15 01:39:58	43.1	45.2	50.6	41.6	43.5
256	2022/11/15 01:59:58	47.5	41.9	41.3	41.4	41.5
261	2022/11/15 02:19:58	42.9	44.2	55.9	41.5	42.2
266	2022/11/15 02:39:58	41.9	43.8	41.6	41.3	42.2
271	2022/11/15 02:59:58	47.3	45.1	56.2	45.5	44.5
276	2022/11/15 03:19:58	53.0	46.7	47.3	43.1	43.7
281	2022/11/15 03:39:58	49.0	44.5	42.2	43.0	43.0
286	2022/11/15 03:59:58	44.0	45.1	50.4	44.2	44.9
291	2022/11/15 04:19:58	44.8	45.5	48.7	43.5	45.4
296	2022/11/15 04:39:58	57.0	47.4	51.2	56.1	55.9
301	2022/11/15 04:59:58	49.7	53.9	47.6	49.1	48.8
306	2022/11/15 05:19:58	49.6	55.9	58.7	56.0	61.0
311	2022/11/15 05:39:58	49.7	58.8	49.3	53.1	55.0
316	2022/11/15 05:59:58	49.4	50.2	60.8	53.2	54.8
321	2022/11/15 06:19:58	56.0	49.7	59.8	58.0	58.3
326	2022/11/15 06:39:58	57.5	51.8	56.4	59.4	57.8
331	2022/11/15 06:59:58	60.8	54.4	59.8	60.6	60.6
336	2022/11/15 07:19:58	60.8	54.1	57.3	65.2	63.9
341	2022/11/15 07:39:58	62.7	55.8	60.3	57.4	59.8
346	2022/11/15 07:59:58	58.0	62.8	58.3	57.3	58.1
351	2022/11/15 08:19:58	60.3	56.4	59.4	62.1	61.8
356	2022/11/15 08:39:58	63.6	56.5	60.1	61.3	61.5

Roadway Construction Noise Model (RCNM) Outputs

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/31/2023
 Case Description: Demo

**** Receptor #1 ****

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
Demo	Residential	55.0	55.0	45.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Backhoe	No	40	80.0		20.0	0.0
Concrete Saw	No	20	90.0		20.0	0.0
Dozer	No	40	85.0		20.0	0.0

Results

Noise Limit Exceedance (dBA)

Noise Limits (dBA)

Night	Calculated (dBA)				Day		Evening		Lmax
	Day	Evening		Day	Night	Lmax	Leq		
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Backhoe	N/A	N/A	88.0	84.0	N/A	N/A	N/A	N/A	N/A
Concrete Saw	N/A	N/A	98.0	91.0	N/A	N/A	N/A	N/A	N/A
Dozer	N/A	N/A	93.0	89.0	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	98.0	93.6	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/31/2023
 Case Description: Paving

**** Receptor #1 ****

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
Paving	Residential	55.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40	80.0		20.0	0.0
Concrete Mixer Truck	No	40	85.0		20.0	0.0
Paver	No	50	85.0		20.0	0.0
Roller	No	20	85.0		20.0	0.0
Pavement Scarafier	No	20	85.0		20.0	0.0

Results

Noise Limit Exceedance (dBA)

Noise Limits (dBA)

Equipment	Night	Calculated (dBA)				Day		Evening		Lmax
		Day	Evening	Day	Night	Lmax	Leq	Lmax	Leq	
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Backhoe	N/A	N/A	88.0	84.0	N/A	N/A	N/A	N/A	N/A	
Concrete Mixer Truck	N/A	N/A	93.0	89.0	N/A	N/A	N/A	N/A	N/A	
Paver	N/A	N/A	93.0	89.9	N/A	N/A	N/A	N/A	N/A	
Roller	N/A	N/A	93.0	86.0	N/A	N/A	N/A	N/A	N/A	
Pavement Scarafier	N/A	N/A	93.0	86.0	N/A	N/A	N/A	N/A	N/A	

N/A	N/A	Total N/A	93.0 N/A	94.5 N/A	N/A N/A	N/A N/A	N/A	N/A	N/A
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