

APPENDIX F

Noise Data

Noise Measurement Field Data

Project:	Meridian Trunk Sewer	Job Number:	095404009
Site No.:	1	Date:	8/28/2018
Analyst:	Josh Cortez	Time:	8:47 AM
Location:	Within the Meridian SP area, approximately 50 feet south of the SE corner of the warehouse located at 22280 Opportunity Way		
Noise Sources:	occasional traffic		
Comments:			

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	56.8	53.0	61.0	89.8

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	79
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	29.94"
Humidity:	40%

Photo:



Summary

File Name on Meter	RC.016
File Name on PC	SLM_0005586_RC_016.00.ldbin
Serial Number	0005586
Model	SoundExpert® LxT
Firmware Version	2.302
User	Josh Cortez
Location	Meridian
Job Description	
Note	

Measurement

Description

Start	2018-08-28 08:46:54
Stop	2018-08-28 08:56:54
Duration	00:10:00.0
Run Time	00:10:00.0
Pause	00:00:00.0

Pre Calibration	2018-08-27 09:39:33
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting	
Peak Weight	Z Weighting	
Detector	Slow	
Preamp	PRMLxT1L	
Microphone Correction	Off	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	Z Weighting	
OBA Max Spectrum	At LMax	
Overload	122.1 dB	
	A	C
Under Range Peak	78.3	75.3
Under Range Limit	27.3	26.0
Noise Floor	16.9	16.8

Results

LAeq	56.8 dB	
LAE	84.6 dB	
EA	31.830 $\mu\text{Pa}^2\text{h}$	
LZpeak (max)	2018-08-28 08:47:00	89.8
LASmax	2018-08-28 08:47:01	61.0
LASmin	2018-08-28 08:56:23	53.0
SEA	-99.9 dB	

LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0

Community Noise	Ldn	LDay 07:00-22:00
	56.8	56.8

LC _{eq}	70.2 dB
LA _{eq}	56.8 dB
LC _{eq} - LA _{eq}	13.4 dB
LA _{eq}	57.4 dB
LA _{eq}	56.8 dB
LA _{eq} - LA _{eq}	0.6 dB

A	
dB	Time Stamp
56.8	
61.0	2018/08/28 8:47:01
53.0	2018/08/28 8:56:23

Leq
LS(max)
LS(min)
LPeak(max)

# Overloads	0
Overload Duration	0.0 s
# OBA Overloads	0
OBA Overload Duration	0.0 s

Statistics

LAS5.00	59.1 dB
LAS10.00	58.5 dB
LAS33.30	57.2 dB
LAS50.00	56.5 dB
LAS66.60	55.8 dB
LAS90.00	54.7 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1L	2018-08-27 09:39:29	-28.3
PRMLxT1L	2018-08-20 17:13:25	-28.2
PRMLxT1L	2018-08-17 22:06:00	-28.2
PRMLxT1L	2018-08-17 11:07:53	-28.2
PRMLxT1L	2018-08-16 16:55:47	-28.7
PRMLxT1L	2018-08-15 14:20:26	-28.2
PRMLxT1L	2018-08-07 08:08:26	-28.3
PRMLxT1L	2018-08-02 08:27:10	-28.2
PRMLxT1L	2018-07-26 11:40:05	-28.0
PRMLxT1L	2018-07-25 14:59:32	-28.2

Noise Measurement Field Data

Project:	Meridian Trunk Sewer	Job Number:	095404009
Site No.:	2	Date:	8/28/2018
Analyst:	Josh Cortez	Time:	10:25 AM
Location:	Along Avenue A, approximately 1,000 feet south of Van Buren Boulevard		
Noise Sources:	traffic		
Comments:			

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	56.1	55.4	55.6	80.5

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	79
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	29.94"
Humidity:	40%

Photo:



Kimley»Horn

Summary

File Name on Meter	RC.017
File Name on PC	SLM_0005586_RC_017.00.ldbin
Serial Number	0005586
Model	SoundExpert® LxT
Firmware Version	2.302
User	Josh Cortez
Location	Meridian
Job Description	
Note	

Measurement

Description

Start	2018-08-28 09:08:35
Stop	2018-08-28 09:18:35
Duration	00:10:00.0
Run Time	00:00:00.3
Pause	00:09:59.7

Pre Calibration	2018-08-27 09:39:29
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting	
Peak Weight	Z Weighting	
Detector	Slow	
Preamp	PRMLxT1L	
Microphone Correction	Off	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	Z Weighting	
OBA Max Spectrum	At LMax	
Overload	122.1 dB	
	A	C
Under Range Peak	78.3	75.3
Under Range Limit	27.3	26.0
Noise Floor	16.9	16.8

Results

LAeq	56.1 dB	
LAE	50.9 dB	
EA	0.014 $\mu\text{Pa}^2\text{h}$	
LZpeak (max)	2018-08-28 09:08:35	-99.9
LASmax	2018-08-28 09:08:35	55.6
LASmin	2018-08-28 09:08:35	55.4
SEA	-99.9 dB	

LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0

Community Noise Ldn **LDay 07:00-22:00**
56.1 56.1

LC_{eq} 68.1 dB
 LA_{eq} 56.1 dB
 LC_{eq} - LA_{eq} 12.0 dB
 LA_{eq} 56.2 dB
 LA_{eq} 56.1 dB
 LA_{eq} - LA_{eq} 0.1 dB

A	
dB	Time Stamp
56.1	
55.6	2018/08/28 9:08:35
55.4	2018/08/28 9:08:35

Leq
 LS(max)
 LS(min)

Overloads 0
 Overload Duration 0.0 s
 # OBA Overloads 0
 OBA Overload Duration 0.0 s

Statistics

LAS5.00 55.6 dB
 LAS10.00 55.5 dB
 LAS33.30 55.5 dB
 LAS50.00 55.5 dB
 LAS66.60 55.4 dB
 LAS90.00 55.4 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1L	2018-08-27 09:39:29	-28.3
PRMLxT1L	2018-08-20 17:13:25	-28.2
PRMLxT1L	2018-08-17 22:06:00	-28.2
PRMLxT1L	2018-08-17 11:07:53	-28.2
PRMLxT1L	2018-08-16 16:55:47	-28.7
PRMLxT1L	2018-08-15 14:20:26	-28.2
PRMLxT1L	2018-08-07 08:08:26	-28.3
PRMLxT1L	2018-08-02 08:27:10	-28.2
PRMLxT1L	2018-07-26 11:40:05	-28.0
PRMLxT1L	2018-07-25 14:59:32	-28.2
PRMLxT1L	2018-07-18 08:29:25	-28.3

Noise Measurement Field Data

Project:	Meridian Trunk Sewer	Job Number:	095404009
Site No.:	3	Date:	8/28/2018
Analyst:	Josh Cortez	Time:	10:43 AM
Location:	At the southwest corner of the Nandia Avenue and Blanding Way intersection.		
Noise Sources:	occasional traffic		
Comments:			

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	55.3	52.9	67.9	89.7

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	79
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	29.94"
Humidity:	40%

Photo:



Summary

File Name on Meter	RC.018
File Name on PC	SLM_0005586_RC_018.00.ldbin
Serial Number	0005586
Model	SoundExpert® LxT
Firmware Version	2.302
User	Josh Cortez
Location	Meridian
Job Description	
Note	

Measurement

Description

Start	2018-08-28 09:33:31
Stop	2018-08-28 09:43:31
Duration	00:10:00.0
Run Time	00:10:00.0
Pause	00:00:00.0

Pre Calibration	2018-08-27 09:39:29
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting	
Peak Weight	Z Weighting	
Detector	Slow	
Preamp	PRMLxT1L	
Microphone Correction	Off	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	Z Weighting	
OBA Max Spectrum	At LMax	
Overload	122.1 dB	
	A	C
Under Range Peak	78.3	75.3
Under Range Limit	27.3	26.0
Noise Floor	16.9	16.8

Results

LAeq	55.3 dB	
LAE	83.1 dB	
EA	22.816 $\mu\text{Pa}^2\text{h}$	
LZpeak (max)	2018-08-28 09:39:47	89.7
LASmax	2018-08-28 09:39:47	67.9
LASmin	2018-08-28 09:40:50	52.9
SEA	-99.9 dB	

LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0
LZ _{peak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0

Community Noise	Ldn	LDay 07:00-22:00
	55.3	55.3

LC _{eq}	69.0 dB
LA _{eq}	55.3 dB
LC _{eq} - LA _{eq}	13.7 dB
LA _{eq}	56.3 dB
LA _{eq}	55.3 dB
LA _{eq} - LA _{eq}	0.9 dB

A	
dB	Time Stamp
55.3	
67.9	2018/08/28 9:39:47
52.9	2018/08/28 9:40:50

Leq
LS(max)
LS(min)
LPeak(max)

# Overloads	0
Overload Duration	0.0 s
# OBA Overloads	0
OBA Overload Duration	0.0 s

Statistics

LAS5.00	57.7 dB
LAS10.00	55.9 dB
LAS33.30	54.3 dB
LAS50.00	54.1 dB
LAS66.60	53.9 dB
LAS90.00	53.5 dB

Calibration History

Preamp	Date	dB re. 1V/Pa
PRMLxT1L	2018-08-27 09:39:29	-28.3
PRMLxT1L	2018-08-20 17:13:25	-28.2
PRMLxT1L	2018-08-17 22:06:00	-28.2
PRMLxT1L	2018-08-17 11:07:53	-28.2
PRMLxT1L	2018-08-16 16:55:47	-28.7
PRMLxT1L	2018-08-15 14:20:26	-28.2
PRMLxT1L	2018-08-07 08:08:26	-28.3
PRMLxT1L	2018-08-02 08:27:10	-28.2
PRMLxT1L	2018-07-26 11:40:05	-28.0
PRMLxT1L	2018-07-25 14:59:32	-28.2