

# Appendix G

## **Noise Modeling Data**





# **Ambient Noise Measurement Data**



**Summary**

File Name on Meter R1  
 File Name on PC LxT\_0004285-20220307 085917-LxT\_Data.240.ldbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-07 08:59:17  
 Stop 2022-03-07 09:14:17  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-02 10:24:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.9 dB  
 Under Range Peak A C Z  
 100.8 97.8 102.8 dB  
 Under Range Limit 38.0 37.6 44.7 dB  
 Noise Floor 28.8 28.5 35.5 dB

**Results**

LASeq 67.5  
 LASE 97.0  
 EAS 561.283 µPa²h  
 EAS8 17.961 mPa²h  
 EAS40 89.805 mPa²h  
 LASpeak (max) 2022-03-07 09:05:08 99.8 dB  
 LASmax 2022-03-07 09:11:48 77.4 dB  
 LASmin 2022-03-07 09:00:23 54.5 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 70.8 dB  
 LASEq 67.5 dB  
 LCSeq - LASEq 3.4 dB  
 LAleq 69.8 dB  
 LAeq 67.5 dB  
 LAleq - LAeq 2.3 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	67.5					
Ls(max)	77.4	2022/03/07 9:11:48				
Ls(min)	54.5	2022/03/07 9:00:23				
LPeak(max)	99.8	2022/03/07 9:05:08				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 -99.94 %  
 Projected Dose -99.94 -99.94 %  
 TWA (Projected) -99.9 -99.9 dB  
 TWA (t) -99.9 -99.9 dB  
 Lep (t) 52.4 52.4 dB

**Statistics**

LAS5.00 73.4 dB  
 LAS10.00 71.9 dB  
 LAS33.30 66.8 dB  
 LAS50.00 63.4 dB  
 LAS66.60 60.8 dB  
 LAS90.00 56.9 dB

**Summary**

File Name on Meter R2  
 File Name on PC LxT\_0004285-20220307 110518-LxT\_Data.243.ldbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-07 11:05:18  
 Stop 2022-03-07 11:20:18  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-02 10:24:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.9 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.8 97.8 102.8 dB  
 Noise Floor 28.8 28.5 35.5 dB

**Results**

LASeq 66.1  
 LASe 95.7  
 EAS 411.082 µPa²h  
 EAS8 13.155 mPa²h  
 EAS40 65.773 mPa²h  
 LAspeak (max) 2022-03-07 11:18:10 100.8 dB  
 LAsmax 2022-03-07 11:14:12 79.1 dB  
 LAsmin 2022-03-07 11:17:18 46.2 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LCSeq 72.5 dB  
 LASeq 66.1 dB  
 LCSeq - LASeq 6.4 dB  
 LAleq 67.4 dB  
 LAeq 66.1 dB  
 LAleq - LAeq 1.3 dB

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
66.1					
79.1	2022/03/07 11:14:12				
46.2	2022/03/07 11:17:18				
100.8	2022/03/07 11:18:10				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 -99.94 %  
 Projected Dose -99.94 -99.94 %  
 TWA (Projected) -99.9 -99.9 dB  
 TWA (t) -99.9 -99.9 dB  
 Lep (t) 51.1 51.1 dB

**Statistics**

LAS5.00 71.3 dB  
 LAS10.00 70.1 dB  
 LAS33.30 66.4 dB  
 LAS50.00 64.2 dB  
 LAS66.60 60.4 dB  
 LAS90.00 52.4 dB

**Summary**

File Name on Meter R3  
 File Name on PC LxT\_0004285-20220307 100618-LxT\_Data.241.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-07 10:06:18  
 Stop 2022-03-07 10:21:18  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-02 10:24:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.9 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.8 97.8 102.8 dB  
 Noise Floor 28.8 28.5 35.5 dB

**Results**

LASeq 45.0  
 LASe 74.5  
 EAS 3.134 µPa²h  
 EAS8 100.278 µPa²h  
 EAS40 501.389 µPa²h  
 LASpeak (max) 2022-03-07 10:06:18 81.5 dB  
 LASmax 2022-03-07 10:06:19 60.5 dB  
 LASmin 2022-03-07 10:14:05 38.7 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 55.5 dB  
 LASeq 45.0 dB  
 LCSeq - LASeq 10.6 dB  
 LAleq 48.1 dB  
 LAeq 44.8 dB  
 LAleq - LAeq 3.3 dB

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
44.8					
60.5	2022/03/07 10:06:19				
38.7	2022/03/07 10:14:05				
81.5	2022/03/07 10:06:18				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 -99.94 %  
 Projected Dose -99.94 -99.94 %  
 TWA (Projected) -99.9 -99.9 dB  
 TWA (t) -99.9 -99.9 dB  
 Lep (t) 29.9 29.9 dB

**Statistics**

LAS5.00 49.2 dB  
 LAS10.00 46.4 dB  
 LAS33.30 43.6 dB  
 LAS50.00 41.8 dB  
 LAS66.60 40.7 dB  
 LAS90.00 39.6 dB

**Summary**

File Name on Meter R4  
 File Name on PC LxT\_0004285-20220307 104303-LxT\_Data.242.ldbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-07 10:43:03  
 Stop 2022-03-07 10:58:03  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-02 10:24:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.9 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.8 97.8 102.8 dB  
 Noise Floor 28.8 28.5 35.5 dB

**Results**

LASeq 68.3  
 LASe 97.9  
 EAS 679.291 µPa²h  
 EAS8 21.737 mPa²h  
 EAS40 108.687 mPa²h  
 LAspeak (max) 2022-03-07 10:44:48 99.2 dB  
 LAsmax 2022-03-07 10:43:59 84.3 dB  
 LAsmin 2022-03-07 10:50:10 45.8 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 76.2 dB  
 LASeq 68.3 dB  
 LCSeq - LASeq 7.9 dB  
 LAleq 71.0 dB  
 LAeq 68.3 dB  
 LAleq - LAeq 2.6 dB

**Leq**

Leq 68.3  
 Ls(max) 84.3  
 Ls(min) 45.8  
 Lpeak(max) 99.2

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
68.3					
84.3	2022/03/07 10:43:59				
45.8	2022/03/07 10:50:10				
99.2	2022/03/07 10:44:48				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 0.00 %  
 Projected Dose -99.94 0.14 %  
 TWA (Projected) -99.9 42.4 dB  
 TWA (t) -99.9 17.4 dB  
 Lep (t) 53.3 53.3 dB

**Statistics**

LAS5.00 75.0 dB  
 LAS10.00 72.9 dB  
 LAS33.30 65.6 dB  
 LAS50.00 62.3 dB  
 LAS66.60 59.6 dB  
 LAS90.00 53.1 dB

**Summary**

File Name on Meter R5  
 File Name on PC LxT\_0004285-20220308 102229-LxT\_Data.244.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-08 10:22:29  
 Stop 2022-03-08 10:37:29  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-08 10:20:27  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preampifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.5 dB

**Results**

LASeq 70.3  
 LASE 99.9  
 EAS 1.081 mPa²h  
 EAS8 34.587 mPa²h  
 EAS40 172.935 mPa²h  
 LAspeak (max) 2022-03-08 10:27:50 95.8 dB  
 LAsmax 2022-03-08 10:35:52 81.2 dB  
 LAsmin 2022-03-08 10:24:24 51.1 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 80.2 dB  
 LASeq 70.3 dB  
 LCSeq - LASeq 9.9 dB  
 LAleq 71.9 dB  
 LAeq 70.3 dB  
 LAleq - LAeq 1.6 dB

**Leq**

Leq 70.3  
 Ls(max) 81.2  
 Ls(min) 51.1  
 Lpeak(max) 95.8

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
70.3					
81.2	2022/03/08 10:35:52				
51.1	2022/03/08 10:24:24				
95.8	2022/03/08 10:27:50				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 0.00 %  
 Projected Dose -99.94 0.11 %  
 TWA (Projected) -99.9 40.7 dB  
 TWA (t) -99.9 15.7 dB  
 Lep (t) 55.3 55.3 dB

**Statistics**

LAS5.00 75.6 dB  
 LAS10.00 73.9 dB  
 LAS33.30 70.4 dB  
 LAS50.00 67.9 dB  
 LAS66.60 65.3 dB  
 LAS90.00 59.8 dB



**Summary**

File Name on Meter R6  
 File Name on PC LxT\_0004285-20220308 105540-LxT\_Data.245.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-08 10:55:40  
 Stop 2022-03-08 11:10:40  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-08 10:20:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.5 dB

**Results**

LASeq 69.2  
 LASE 98.7  
 EAS 825.731 µPa²h  
 EAS8 26.423 mPa²h  
 EAS40 132.117 mPa²h  
 LAspeak (max) 2022-03-08 11:05:34 98.5 dB  
 LAsmax 2022-03-08 11:04:28 80.0 dB  
 LAsmin 2022-03-08 11:04:59 42.4 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 73.8 dB  
 LASeq 69.2 dB  
 LCSeq - LASeq 4.6 dB  
 LAleq 70.9 dB  
 LAeq 69.2 dB  
 LAleq - LAeq 1.8 dB

**Leq**

Leq 69.2  
 Ls(max) 80.0  
 Ls(min) 42.4  
 Lpeak(max) 98.5

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
69.2					
80.0	2022/03/08 11:04:28				
42.4	2022/03/08 11:04:59				
98.5	2022/03/08 11:05:34				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 -99.94 %  
 Projected Dose -99.94 -99.94 %  
 TWA (Projected) -99.9 -99.9 dB  
 TWA (t) -99.9 -99.9 dB  
 Lep (t) 54.1 54.1 dB

**Statistics**

LAS5.00 74.3 dB  
 LAS10.00 73.0 dB  
 LAS33.30 69.6 dB  
 LAS50.00 67.2 dB  
 LAS66.60 64.0 dB  
 LAS90.00 51.9 dB

**Summary**

File Name on Meter R7  
 File Name on PC LxT\_0004285-20220308 111929-LxT\_Data.246.ldbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-08 11:19:29  
 Stop 2022-03-08 11:34:29  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-08 10:20:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.5 dB

**Results**

LASeq 74.2  
 LASE 103.7  
 EAS 2.619 mPa²h  
 EAS8 83.815 mPa²h  
 EAS40 419.073 mPa²h  
 LASpeak(max) 2022-03-08 11:26:31 117.6 dB  
 LASmax 2022-03-08 11:26:32 95.3 dB  
 LASmin 2022-03-08 11:31:09 57.7 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 2 9.8 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 81.3 dB  
 LASeq 74.2 dB  
 LCSeq - LASeq 7.1 dB  
 LAleq 76.9 dB  
 LAeq 74.2 dB  
 LAleq - LAeq 2.7 dB

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
74.2					
95.3	2022/03/08 11:26:32				
57.7	2022/03/08 11:31:09				
117.6	2022/03/08 11:26:31				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose 0.02 0.05 %  
 Projected Dose 0.56 1.49 %  
 TWA (Projected) 52.6 59.6 dB  
 TWA (t) 27.6 34.6 dB  
 Lep (t) 59.1 59.1 dB

**Statistics**

LAS5.00 77.3 dB  
 LAS10.00 74.9 dB  
 LAS33.30 71.1 dB  
 LAS50.00 69.3 dB  
 LAS66.60 67.5 dB  
 LAS90.00 63.8 dB

**Summary**

File Name on Meter R8  
 File Name on PC LxT\_0004285-20220309 123027-LxT\_Data.247.ldbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-09 12:30:27  
 Stop 2022-03-09 12:45:27  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-09 12:27:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.4 dB

**Results**

LASeq 71.5  
 LASE 101.0  
 EAS 1.403 mPa²h  
 EAS8 44.895 mPa²h  
 EAS40 224.476 mPa²h  
 LAspeak (max) 2022-03-09 12:45:04 105.5 dB  
 LAsmax 2022-03-09 12:45:04 92.1 dB  
 LAsmin 2022-03-09 12:34:00 56.8 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 1 4.6 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 81.8 dB  
 LASeq 71.5 dB  
 LCSeq - LASeq 10.3 dB  
 LAleq 74.0 dB  
 LAeq 71.5 dB  
 LAleq - LAeq 2.6 dB

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
71.5					
92.1	2022/03/09 12:45:04				
56.8	2022/03/09 12:34:00				
105.5	2022/03/09 12:45:04				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose 0.01 0.02 %  
 Projected Dose 0.18 0.73 %  
 TWA (Projected) 44.5 54.5 dB  
 TWA (t) 19.5 29.5 dB  
 Lep (t) 56.4 56.4 dB

**Statistics**

LAS5.00 75.6 dB  
 LAS10.00 73.5 dB  
 LAS33.30 69.3 dB  
 LAS50.00 65.9 dB  
 LAS66.60 63.0 dB  
 LAS90.00 60.3 dB

**Summary**

File Name on Meter R9  
 File Name on PC LxT\_0004285-20220309 132624-LxT\_Data.248.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-09 13:26:24  
 Stop 2022-03-09 13:41:24  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-09 12:27:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.4 dB

**Results**

LASeq 74.2  
 LASe 103.8  
 EAS 2.642 mPa²h  
 EAS8 84.531 mPa²h  
 EAS40 422.655 mPa²h  
 LAspeak(max) 2022-03-09 13:30:19 110.1 dB  
 LAsmax 2022-03-09 13:30:19 92.3 dB  
 LAsmin 2022-03-09 13:34:59 57.0 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 3 10.1 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 83.6 dB  
 LASeq 74.2 dB  
 LCSeq - LASeq 9.4 dB  
 LAleq 76.9 dB  
 LAeq 74.2 dB  
 LAleq - LAeq 2.7 dB

**Leq**

Ls(max)  
 Ls(min)  
 Lpeak(max)

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
74.2					
92.3	2022/03/09 13:30:19				
57.0	2022/03/09 13:34:59				
110.1	2022/03/09 13:30:19				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose 0.01 0.06 %  
 Projected Dose 0.23 1.83 %  
 TWA (Projected) 46.3 61.2 dB  
 TWA (t) 21.3 36.2 dB  
 Lep (t) 59.2 59.2 dB

**Statistics**

LAS5.00 78.7 dB  
 LAS10.00 75.8 dB  
 LAS33.30 72.6 dB  
 LAS50.00 70.6 dB  
 LAS66.60 68.3 dB  
 LAS90.00 63.9 dB

**Summary**

File Name on Meter R10  
 File Name on PC LxT\_0004285-20220309 135522-LxT\_Data.249.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-09 13:55:22  
 Stop 2022-03-09 14:10:22  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-09 12:27:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.4 dB

**Results**

LASeq 65.3  
 LASe 94.8  
 EAS 335.344 µPa²h  
 EAS8 10.731 mPa²h  
 EAS40 53.655 mPa²h  
 LAspeak (max) 2022-03-09 14:03:03 98.5 dB  
 LAsmax 2022-03-09 14:03:22 77.5 dB  
 LAsmin 2022-03-09 13:58:11 50.6 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 72.3 dB  
 LASeq 65.3 dB  
 LCSeq - LASeq 7.1 dB  
 LAleq 66.9 dB  
 LAeq 65.3 dB  
 LAleq - LAeq 1.7 dB

**Leq**

Leq 65.3  
 Ls(max) 77.5  
 Ls(min) 50.6  
 Lpeak(max) 98.5

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
65.3					
77.5	2022/03/09 14:03:22				
50.6	2022/03/09 13:58:11				
98.5	2022/03/09 14:03:03				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 -99.94 %  
 Projected Dose -99.94 -99.94 %  
 TWA (Projected) -99.9 -99.9 dB  
 TWA (t) -99.9 -99.9 dB  
 Lep (t) 50.2 50.2 dB

**Statistics**

LAS5.00 71.4 dB  
 LAS10.00 69.4 dB  
 LAS33.30 64.7 dB  
 LAS50.00 60.3 dB  
 LAS66.60 57.0 dB  
 LAS90.00 53.5 dB

**Summary**

File Name on Meter R11  
 File Name on PC LxT\_0004285-20220310 134438-LxT\_Data.250.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-10 13:44:38  
 Stop 2022-03-10 13:59:38  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-09 12:27:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.4 dB

**Results**

LASeq 71.7  
 LASE 101.2  
 EAS 1.478 mPa²h  
 EAS8 47.286 mPa²h  
 EAS40 236.432 mPa²h  
 LAspeak (max) 2022-03-10 13:56:54 99.6 dB  
 LAsmax 2022-03-10 13:51:31 82.2 dB  
 LAsmin 2022-03-10 13:45:11 61.2 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LCSeq 80.4 dB  
 LASeq 71.7 dB  
 LCSeq - LASeq 8.7 dB  
 LAleq 73.5 dB  
 LAeq 71.7 dB  
 LAleq - LAeq 1.8 dB

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
71.7					
82.2	2022/03/10 13:51:31				
61.2	2022/03/10 13:45:11				
99.6	2022/03/10 13:56:54				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 0.01 %  
 Projected Dose -99.94 0.26 %  
 TWA (Projected) -99.9 47.1 dB  
 TWA (t) -99.9 22.1 dB  
 Lep (t) 56.6 56.6 dB

**Statistics**

LAS5.00 76.0 dB  
 LAS10.00 74.8 dB  
 LAS33.30 71.3 dB  
 LAS50.00 70.0 dB  
 LAS66.60 68.2 dB  
 LAS90.00 65.8 dB

**Summary**

File Name on Meter R12  
 File Name on PC LxT\_0004285-20220310 142143-LxT\_Data.251.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-10 14:21:43  
 Stop 2022-03-10 14:36:43  
 Duration 00:15:00.0  
 Run Time 00:00:03.5  
 Pause 00:14:56.5  
 Pre-Calibration 2022-03-09 12:27:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.4 dB

**Results**

LASeq 73.7  
 LASe 79.2  
 EAS 9.154 µPa²h  
 EAS8 75.327 mPa²h  
 EAS40 376.635 mPa²h  
 LAspeak (max) 2022-03-10 14:21:43 87.7 dB  
 LAsmax 2022-03-10 14:21:46 75.4 dB  
 LAsmin 2022-03-10 14:21:44 71.7 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 86.5 dB  
 LASeq 73.7 dB  
 LCSeq - LASeq 12.8 dB  
 LAleq 75.3 dB  
 LAeq 74.2 dB  
 LAleq - LAeq 1.0 dB

**Leq**

Leq 74.2  
 Ls(max) 75.4  
 Ls(min) 71.7  
 Lpeak(max) 87.7

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
74.2					
75.4	2022/03/10 14:21:46				
71.7	2022/03/10 14:21:44				
87.7	2022/03/10 14:21:43				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 -99.94 %  
 Projected Dose -99.94 -99.94 %  
 TWA (Projected) -99.9 -99.9 dB  
 TWA (t) -99.9 -99.9 dB  
 Lep (t) 34.6 34.6 dB

**Statistics**

LAS5.00 75.3 dB  
 LAS10.00 75.3 dB  
 LAS33.30 74.3 dB  
 LAS50.00 73.3 dB  
 LAS66.60 72.7 dB  
 LAS90.00 71.9 dB

**Summary**

File Name on Meter R13  
 File Name on PC LxT\_0004285-20220310 145453-LxT\_Data.252.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-10 14:54:53  
 Stop 2022-03-10 15:09:53  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-09 12:27:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.4 dB

**Results**

LASeq 69.9  
 LASe 99.5  
 EAS 979.317 µPa²h  
 EAS8 31.338 mPa²h  
 EAS40 156.691 mPa²h  
 LAspeak (max) 2022-03-10 15:08:26 102.9 dB  
 LAsmax 2022-03-10 14:57:00 82.5 dB  
 LAsmin 2022-03-10 15:07:10 58.9 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 80.8 dB  
 LASeq 69.9 dB  
 LCSeq - LASeq 10.9 dB  
 LAleq 72.2 dB  
 LAeq 69.9 dB  
 LAleq - LAeq 2.3 dB

**Leq**

Leq 69.9  
 Ls(max) 82.5  
 Ls(min) 58.9  
 Lpeak(max) 102.9

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
69.9					
82.5	2022/03/10 14:57:00				
58.9	2022/03/10 15:07:10				
102.9	2022/03/10 15:08:26				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 0.00 %  
 Projected Dose -99.94 0.12 %  
 TWA (Projected) -99.9 41.2 dB  
 TWA (t) -99.9 16.2 dB  
 Lep (t) 54.9 54.9 dB

**Statistics**

LAS5.00 74.7 dB  
 LAS10.00 73.3 dB  
 LAS33.30 69.4 dB  
 LAS50.00 67.0 dB  
 LAS66.60 65.4 dB  
 LAS90.00 63.3 dB



**Summary**

File Name on Meter R14  
 File Name on PC LxT\_0004285-20220310 154329-LxT\_Data.253.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-10 15:43:29  
 Stop 2022-03-10 15:58:29  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-09 12:27:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.7 28.4 35.4 dB

**Results**

LASeq 52.2  
 LASe 81.8  
 EAS 16.774 µPa²h  
 EAS8 536.757 µPa²h  
 EAS40 2.684 mPa²h  
 LAspeak (max) 2022-03-10 15:52:33 86.5 dB  
 LAsmax 2022-03-10 15:52:34 67.5 dB  
 LAsmin 2022-03-10 15:43:29 43.4 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 63.2 dB  
 LASeq 52.2 dB  
 LCSeq - LASeq 11.0 dB  
 LAleq 54.5 dB  
 LAeq 52.2 dB  
 LAleq - LAeq 2.3 dB

Leq 52.2  
 Ls(max) 67.5  
 Ls(min) 43.4  
 Lpeak(max) 86.5

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
52.2					
67.5	2022/03/10 15:52:34				
43.4	2022/03/10 15:43:29				
86.5	2022/03/10 15:52:33				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 -99.94 %  
 Projected Dose -99.94 -99.94 %  
 TWA (Projected) -99.9 -99.9 dB  
 TWA (t) -99.9 -99.9 dB  
 Lep (t) 37.2 37.2 dB

**Statistics**

LAS5.00 57.8 dB  
 LAS10.00 55.7 dB  
 LAS33.30 49.4 dB  
 LAS50.00 48.1 dB  
 LAS66.60 46.7 dB  
 LAS90.00 45.1 dB

**Summary**

File Name on Meter R15  
 File Name on PC LxT\_0004285-20220311 164904-LxT\_Data.255.lbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-11 16:49:04  
 Stop 2022-03-11 17:04:04  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-11 15:56:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.8 28.4 35.5 dB

**Results**

LASeq 75.8  
 LASE 105.3  
 EAS 3.799 mPa²h  
 EAS8 121.561 mPa²h  
 EAS40 607.807 mPa²h  
 LASpeak (max) 2022-03-11 16:59:37 103.5 dB  
 LASmax 2022-03-11 17:03:25 86.9 dB  
 LASmin 2022-03-11 16:55:38 55.0 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 2 3.2 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 80.5 dB  
 LASeq 75.8 dB  
 LCSeq - LASeq 4.7 dB  
 LAleq 78.0 dB  
 LAeq 75.8 dB  
 LAleq - LAeq 2.2 dB

**Leq**

LS(max) 86.9  
 LS(min) 55.0  
 LPeak(max) 103.5

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
75.8					
86.9	2022/03/11 17:03:25				
55.0	2022/03/11 16:55:38				
103.5	2022/03/11 16:59:37				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 0.06 %  
 Projected Dose -99.94 1.85 %  
 TWA (Projected) -99.9 61.2 dB  
 TWA (t) -99.9 36.2 dB  
 Lep (t) 60.7 60.7 dB

**Statistics**

LAS5.00 80.3 dB  
 LAS10.00 79.2 dB  
 LAS33.30 76.4 dB  
 LAS50.00 74.0 dB  
 LAS66.60 72.0 dB  
 LAS90.00 66.0 dB

**Summary**

File Name on Meter R16  
 File Name on PC LxT\_0004285-20220311 172826-LxT\_Data.256.ldbin  
 Serial Number 0004285  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-11 17:28:26  
 Stop 2022-03-11 17:43:26  
 Duration 00:15:00.0  
 Run Time 00:15:00.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-11 15:56:25  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 Overload 144.8 dB  
 Under Range Peak A C Z  
 Under Range Limit 100.7 97.7 102.7 dB  
 Noise Floor 37.9 37.5 44.6 dB  
 28.8 28.4 35.5 dB

**Results**

LASeq 70.3  
 LASe 99.8  
 EAS 1.062 mPa²h  
 EAS8 33.981 mPa²h  
 EAS40 169.905 mPa²h  
 LAspeak (max) 2022-03-11 17:32:40 104.0 dB  
 LAsmax 2022-03-11 17:28:50 85.2 dB  
 LAsmin 2022-03-11 17:36:32 55.6 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 1 1.4 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LAspeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 79.3 dB  
 LASeq 70.3 dB  
 LCSeq - LASeq 9.1 dB  
 LAleq 72.2 dB  
 LAeq 70.3 dB  
 LAleq - LAeq 1.9 dB

**Leq**

Leq 70.3  
 Ls(max) 85.2  
 Ls(min) 55.6  
 Lpeak(max) 104.0

A		C		Z	
dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
70.3					
85.2	2022/03/11 17:28:50				
55.6	2022/03/11 17:36:32				
104.0	2022/03/11 17:32:40				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose -99.94 0.01 %  
 Projected Dose -99.94 0.24 %  
 TWA (Projected) -99.9 46.3 dB  
 TWA (t) -99.9 21.3 dB  
 Lep (t) 55.2 55.2 dB

**Statistics**

LAS5.00 75.2 dB  
 LAS10.00 73.7 dB  
 LAS33.30 69.4 dB  
 LAS50.00 67.2 dB  
 LAS66.60 65.0 dB  
 LAS90.00 60.5 dB

**Summary**

File Name on Meter R17  
 File Name on PC LxT\_0005055-20220307 093843-LxT\_Data.110.lbin  
 Serial Number 0005055  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-07 09:38:43  
 Stop 2022-03-08 09:59:21  
 Duration 24:20:37.602  
 Run Time 24:20:35.500  
 Pause 00:00:02.1  
 Pre-Calibration 2022-03-07 09:33:50  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 OBA Range Normal  
 OBA Bandwidth None  
 OBA Frequency Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Overload 144.4 dB  
 Under Range Peak A 100.4 C 97.4 Z 102.4 dB  
 Under Range Limit 37.6 37.2 44.3 dB  
 Noise Floor 28.5 28.1 35.2 dB

**Results**

LASeq 64.3  
 LA SE 113.7  
 EAS 26.263 mPa²h  
 EAS8 8.631 mPa²h  
 EAS40 43.154 mPa²h  
 LASpeak (max) 2022-03-07 23:08:23 112.0 dB  
 LASmax 2022-03-07 18:15:22 98.4 dB  
 LASmin 2022-03-08 01:56:05 37.6 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 23 90.7 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 74.4 dB  
 LASeq 64.3 dB  
 LCSeq - LASeq 10.1 dB  
 LAleq 67.0 dB  
 LAeq 64.3 dB  
 LAleq - LAeq 2.7 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	64.3					
LS(max)	98.4	2022/03/07 18:15:22				
LS(min)	37.6	2022/03/08 1:56:05				
LPeak(max)	112.0	2022/03/07 23:08:23				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose 0.09 0.38 %  
 Projected Dose 0.03 0.12 %  
 TWA (Projected) 31.8 41.7 dB  
 TWA (t) 39.8 49.7 dB  
 Lep (t) 69.1 69.1 dB

**Statistics**

LAS5.00 67.3 dB  
 LAS10.00 65.3 dB  
 LAS33.30 60.9 dB  
 LAS50.00 57.8 dB  
 LAS66.60 53.3 dB  
 LAS90.00 44.2 dB

**Summary**

File Name on Meter R18  
 File Name on PC LxT\_0005055-20220308 120020-LxT\_Data.111.ldbin  
 Serial Number 0005055  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-08 12:00:20  
 Stop 2022-03-09 12:04:31  
 Duration 24:04:11.0  
 Run Time 24:04:11.0  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-08 11:57:33  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 OBA Range Normal  
 OBA Bandwidth None  
 OBA Frequency Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Overload 144.4 dB  
 Under Range Peak A 100.3 C 97.3 Z 102.3 dB  
 Under Range Limit 37.5 37.2 44.2 dB  
 Noise Floor 28.4 28.1 35.1 dB

**Results**

LASeq 60.0  
 LASe 109.4  
 EAS 9.712 mPa²h  
 EAS8 3.228 mPa²h  
 EAS40 16.139 mPa²h  
 LASpeak (max) 2022-03-09 07:51:04 113.8 dB  
 LASmax 2022-03-08 20:30:19 92.5 dB  
 LASmin 2022-03-09 03:01:34 39.3 dB  
 SEA -99.9 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 8 19.5 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 69.9 dB  
 LASeq 60.0 dB  
 LCSeq - LASeq 9.9 dB  
 LAleq 63.0 dB  
 LAeq 60.0 dB  
 LAleq - LAeq 3.0 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	60.0					
Ls(max)	92.5	2022/03/08 20:30:19				
Ls(min)	39.3	2022/03/09 3:01:34				
Lpeak(max)	113.8	2022/03/09 7:51:04				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose 0.01 0.09 %  
 Projected Dose 0.00 0.03 %  
 TWA (Projected) 16.1 31.1 dB  
 TWA (t) 24.0 39.1 dB  
 Lep (t) 64.8 64.8 dB

**Statistics**

LAS5.00 65.5 dB  
 LAS10.00 62.2 dB  
 LAS33.30 53.7 dB  
 LAS50.00 50.6 dB  
 LAS66.60 48.1 dB  
 LAS90.00 44.6 dB

**Summary**

File Name on Meter R19  
 File Name on PC LxT\_0005055-20220309 130615-LxT\_Data.112.lbin  
 Serial Number 0005055  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-03-09 13:06:15  
 Stop 2022-03-10 13:11:03  
 Duration 24:04:47.898  
 Run Time 24:04:47.898  
 Pause 00:00:00.0  
 Pre-Calibration 2022-03-09 13:05:10  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 OBA Range Normal  
 OBA Bandwidth None  
 OBA Frequency Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Overload 144.4 dB  
 Under Range Peak A 100.4 C 97.4 Z 102.4 dB  
 Under Range Limit 37.6 37.2 44.3 dB  
 Noise Floor 28.5 28.1 35.2 dB

**Results**

LASeq 71.9  
 LASE 121.3  
 EAS 149.467 mPa²h  
 EAS8 49.657 mPa²h  
 EAS40 248.284 mPa²h  
 LASpeak (max) 2022-03-09 14:24:49 122.1 dB  
 LASmax 2022-03-09 20:27:28 104.1 dB  
 LASmin 2022-03-10 02:48:40 43.3 dB  
 SEA 134.3 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 69 287.4 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 77.7 dB  
 LASeq 71.9 dB  
 LCSeq - LASeq 5.8 dB  
 LAleq 75.3 dB  
 LAeq 71.9 dB  
 LAleq - LAeq 3.4 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	71.9					
LS(max)	104.1	2022/03/09 20:27:28				
LS(min)	43.3	2022/03/10 2:48:40				
LPeak(max)	122.1	2022/03/09 14:24:49				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose 0.94 1.68 %  
 Projected Dose 0.31 0.56 %  
 TWA (Projected) 48.4 52.6 dB  
 TWA (t) 56.3 60.5 dB  
 Lep (t) 76.7 76.7 dB

**Statistics**

LAS5.00 75.9 dB  
 LAS10.00 74.2 dB  
 LAS33.30 68.1 dB  
 LAS50.00 62.9 dB  
 LAS66.60 57.4 dB  
 LAS90.00 49.8 dB

**Summary**

File Name on Meter R20  
 File Name on PC LxT\_0005055-20220427 113032-LxT\_Data.114.ldbin  
 Serial Number 0005055  
 Model SoundTrack LxT®  
 Firmware Version 2.404  
 User  
 Location  
 Job Description  
 Note

**Measurement**

Description  
 Start 2022-04-27 11:30:32  
 Stop 2022-04-28 12:12:36  
 Duration 24:42:03.805  
 Run Time 24:42:00.102  
 Pause 00:00:03.7  
 Pre-Calibration 2022-04-27 11:18:27  
 Post-Calibration None  
 Calibration Deviation ---

**Overall Settings**

RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamplifier PRMLxT1  
 Microphone Correction Off  
 Integration Method Exponential  
 OBA Range Normal  
 OBA Bandwidth None  
 OBA Frequency Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Overload 144.8 dB  
 Under Range Peak **100.8** C 97.8 Z 102.8 dB  
 Under Range Limit **37.9** 37.6 44.7 dB  
 Noise Floor 28.8 28.5 35.5 dB

**Results**

LASeq 73.7  
 LASe 123.2  
 EAS 230.312 mPa²h  
 EAS8 74.595 mPa²h  
 EAS40 372.975 mPa²h  
 LASpeak (max) 2022-04-28 07:54:54 122.0 dB  
 LASmax 2022-04-27 13:01:28 103.2 dB  
 LASmin 2022-04-28 04:07:24 37.5 dB  
 SEA 134.7 dB  
 LAS > 85.0 dB (Exceedance Counts / Duration) 121 352.6 s  
 LAS > 115.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 135.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 137.0 dB (Exceedance Counts / Duration) 0 0.0 s  
 LASpeak > 140.0 dB (Exceedance Counts / Duration) 0 0.0 s

LCSeq 80.5 dB  
 LASeq 73.7 dB  
 LCSeq - LASeq 6.8 dB  
 LAleq 76.2 dB  
 LAeq 73.7 dB  
 LAleq - LAeq 2.5 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	73.7					
Ls(max)	103.2	2022/04/27 13:01:28				
Ls(min)	37.5	2022/04/28 4:07:24				
Lpeak(max)	122.0	2022/04/28 7:54:54				

Overload Count 0  
 Overload Duration 0.0 s

**Dose Settings**

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

**Results**

Dose 0.29 3.74 %  
 Projected Dose 0.09 1.21 %  
 TWA (Projected) 39.8 58.2 dB  
 TWA (t) 47.9 66.3 dB  
 Lep (t) 78.6 78.6 dB

**Statistics**

LAS5.00 79.2 dB  
 LAS10.00 77.5 dB  
 LAS33.30 72.7 dB  
 LAS50.00 69.3 dB  
 LAS66.60 64.4 dB  
 LAS90.00 51.7 dB

# Traffic Noise Summary Table





## ESGVAP - Operation Traffic Noise Modeling Summary

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
7th Ave between Clark Ave and Salt Lake Ave	775	245	75	71.9	72.1	0.2
7th Ave between Don Julian Rd and Proctor Ave	1,445	455	145	74.6	74.3	-0.3
7th Ave between Gale Ave and Clark Ave	775	245	75	71.9	72.1	0.2
7th Ave between Palm Ave and Gale Ave	810	255	80	72.1	72.3	0.2
7th Ave between Proctor Ave and Valley Blvd	1,015	320	100	73.1	72.9	-0.2
7th Ave between Salt Lake Ave and Don Julian Rd	1,170	370	115	73.7	73.7	0.0
Amar Rd between Ardilla Ave and Willow Ave	745	235	75	71.7	71.8	0.1
Amar Rd between Baldwin Park Blvd and Vineland Ave	510	160	50	70.1	69.9	-0.1
Amar Rd between Bess Ave and Frazier St	155	50	15	64.9	65.0	0.1
Amar Rd between Lark Ellen Ave and S Azusa Ave	1,560	495	155	74.9	75.1	0.1
Amar Rd between Meadow Pass Rd and Grand Ave	1,400	445	140	74.5	74.5	0.0
Amar Rd between Milbury Ave and Puente Ave	560	180	55	70.5	70.5	-0.1
Amar Rd between N California Ave and N Unruh Ave	725	230	75	71.6	72.0	0.4
Amar Rd between N Orange Ave and N Sunset Ave	675	215	65	71.3	71.4	0.1
Amar Rd between N Sunset Ave and N California Ave	695	220	70	71.4	71.7	0.3
Amar Rd between N Unruh Ave and N Hacienda Blvd	660	210	65	71.2	71.2	0.0
Amar Rd between Puente Ave and Ardila Ave	685	215	70	71.4	71.5	0.1
Amar Rd between S Azusa Ave and E Temple Ave	1,965	620	195	75.9	76.0	0.0
Amar Rd between S Ridgewood Dr and Shadow Oak Dr	2,570	815	255	77.1	77.2	0.1
Amar Rd between Shadow Oak Dr and N Nogales St	2,685	850	270	77.3	77.4	0.1
Amar Rd between Temple Ave and Shadow Oak Dr	2,570	815	255	77.1	77.2	0.1
Amar Rd between Valinda Ave and S Azusa Ave	1,295	410	130	74.1	74.3	0.1
Amar Rd between Vineland Ave and Milbury Ave	510	160	50	70.1	69.9	-0.1
Amir Rd between Baldwin Park Blvd and Vineland Ave	510	160	50	70.1	69.9	-0.1
Arrow Highway between Bonnie Cove Ave and N Sunflower Ave	1,460	460	145	74.6	74.8	0.1
Arrow Highway between D St and Fairplex Dr	2,310	730	230	76.6	76.6	0.0
Arrow Highway between Fair Ave and Fulton Rd	730	230	75	71.6	71.4	-0.2
Arrow Highway between Fairplex Dr and N White Ave	1,735	550	175	75.4	75.4	0.0
Arrow Highway between Fulton Rd and N Garey Ave	990	315	100	73.0	72.4	-0.6
Arrow Highway between Glendora Ave and Bonnie Cove Ave	1,415	450	140	74.5	74.6	0.1
Arrow Highway between N Garey Ave and N Towne Ave	1,585	500	160	75.0	74.7	-0.3
Arrow Highway between N Grand Ave and Glendora Ave	1,305	410	130	74.2	74.3	0.2
Arrow Highway between N Sunflower Ave and N Valley Center Ave	1,310	415	130	74.2	74.2	0.0
Arrow Highway between N Towne Ave and S Indian Hill Blvd	1,465	465	145	74.7	74.4	-0.2
Arrow Highway between N White Ave and Fulton Rd	1,240	390	125	73.9	73.8	-0.1
Arrow Highway between S Indian Hill Blvd and S Mills Ave	570	180	55	70.6	70.2	-0.3
Arrow Highway between S Mills Ave and Monte Vista Ave	845	265	85	72.3	71.7	-0.6

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
Arrow Highway between S San Dimas Ave and S San Dimas Canyon Rd	1,500	475	150	74.8	74.7	-0.1
Arrow Highway between S San Dimas Canyon Rd and Wheeler Ave	1,475	465	150	74.7	74.7	0.0
Arrow Highway between Wheeler Ave and D St	1,430	450	145	74.6	74.5	-0.1
Arrow Hwy between Hollenbeck Ave and N Citrus Ave	1,575	500	155	75.0	75.0	0.0
Arrow Hwy between Mountain Ave and S Indian Hill Blvd	1,185	375	120	73.7	73.5	-0.2
Arrow Hwy between N Citrus Ave and Baranca Ave	1,430	450	145	74.6	74.5	-0.1
Arrow Hwy between N Lake Ellen Ave and N Azusa Ave	1,225	385	120	73.9	73.7	-0.2
Arrow Hwy between N Lone Hill Ave and W Bonita Ave	1,300	410	130	74.2	74.2	0.1
Arrow Hwy between N Towne Ave and Mountain Ave	1,135	360	115	73.6	73.3	-0.2
Arrow Hwy between N Valley Center Ave and S Lone Hill Ave	930	295	95	72.7	72.7	0.0
Arrow Hwy between S Azusa Ave and Hollenbeck Ave	1,590	505	160	75.0	75.0	0.0
Arrow Hwy between S Rennel Ave and S Lone Hill Ave	930	295	95	72.7	72.7	0.0
Arrow Hwy between Vincent Ave and N Lake Ellen Ave	1,485	470	150	74.7	74.8	0.1
Arrow Hwy between W Bonita Ave and W Cienega Ave	515	165	50	70.1	69.9	-0.2
Arrow Hwy between W Cienega Ave and W Covina Blvd	965	305	95	72.9	72.5	-0.3
Arrow Hwy between W Covina Blvd and S San Dimas Ave	1,430	450	145	74.6	74.4	-0.2
Arroyo Grand Cir between Barance Ave and Grand Ave	1,240	390	125	73.9	74.0	0.0
Athol St between Bess Ave and Frazier St	155	50	15	64.9	65.0	0.1
Avenida Rancheros between Golden Springs Dr and Santa Clara Dr	1,295	410	130	74.1	73.9	-0.2
Avenue Rancheros between W Mission Blvd and SR-57	1,870	590	185	75.7	75.7	0.0
Azusa Ave between Amar Rd and E Temple Ave	1,065	335	105	73.3	73.5	0.2
Azusa Ave between Anaheim and Puente Rd and Hurley St	2,165	685	215	76.4	76.4	0.0
Azusa Ave between Boulay St and Main St	2,200	695	220	76.4	76.5	0.0
Azusa Ave between E Aroma Dr and Fairgrove Ave	1,430	450	145	74.6	74.6	0.0
Azusa Ave between E Aroma Dr and Giambi Ln	1,290	410	130	74.1	74.2	0.1
Azusa Ave between E Cameron Ave and E Vine Ave	1,280	405	130	74.1	74.0	-0.1
Azusa Ave between E Cortez St and E Cameron Ave	1,140	360	115	73.6	73.6	0.0
Azusa Ave between E Francisquito Ave and E Aroma Dr	1,600	505	160	75.0	75.1	0.0
Azusa Ave between E Garvey Ave and E Cortez St	1,150	365	115	73.6	73.6	0.0
Azusa Ave between E Greenville Dr and E Merced Ave	1,350	425	135	74.3	74.3	0.0
Azusa Ave between E Merced Ave and E Aroma Dr	1,600	505	160	75.0	75.1	0.0
Azusa Ave between E Merced Ave and E Francisquito Ave	1,600	505	160	75.0	75.1	0.0
Azusa Ave between E Temple Ave and Gemini St	2,200	695	220	76.4	76.5	0.0
Azusa Ave between E Vine Ave and E Merced Ave	1,350	425	135	74.3	74.3	0.0
Azusa Ave between Gale Ave and Pepperbrook Way	3,345	1,060	335	78.3	78.3	0.0
Azusa Ave between Gemini St and Industry Hills Pkwy	2,200	695	220	76.4	76.5	0.0
Azusa Ave between Giambi Ln and Amar Rd	1,290	410	130	74.1	74.2	0.1
Azusa Ave between Main St and Hurley St	2,715	860	270	77.3	77.5	0.2
Azusa Ave between Pepperbrook Way and Colima Rd	3,075	970	305	77.9	77.9	0.1
Azusa Ave between Railroad St and Gale Ave	2,440	770	245	76.9	77.0	0.1
Badillo St between Hollenbeck Ave and 4th Ave	555	175	55	70.4	70.5	0.0
Badillo St between N Azusa Ave and Hollenbeck Ave	725	230	75	71.6	71.7	0.1
Badillo St between N Lake Ellen Ave and N Azusa Ave	850	270	85	72.3	72.3	0.0
Badillo St between N Orange Ave and N Sunset Ave	880	280	90	72.4	72.4	-0.1
Badillo St between N Sunflower Ave and S Valley Center Ave	865	275	85	72.4	72.4	0.1
Badillo St between N Sunset Ave and N Vicent Ave	1,405	445	140	74.5	74.5	0.0
Badillo St between Puente Ave and N Orange Ave	685	215	70	71.4	71.4	0.1
Badillo St between Ramona Blvd and Puente Ave	385	120	40	68.9	69.0	0.1
Badillo St between S 4th Ave and S Citrus Ave	180	55	20	65.5	65.5	0.0

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
Badillo St between S Barranca Ave and S Grand Ave	1,285	405	130	74.1	74.2	0.0
Badillo St between S Citrus Ave and S Barranca Ave	260	80	25	67.2	67.3	0.1
Badillo St between S Glendora Ave and N Reeder Ave	1,510	475	150	74.8	75.0	0.2
Badillo St between S Grand Ave and S Glendora Ave	1,495	475	150	74.8	74.8	0.0
Badillo St between S Valley Center Ave and E Covina Blvd	765	240	75	71.8	71.9	0.0
Baseline Rd between Dawn Ave and Live Oak Canyon Rd	495	155	50	70.0	69.4	-0.6
Bonita Ave between Damien Ave and Wheeler Ave	540	170	55	70.3	69.7	-0.6
Bonita Ave between N White Ave and Fulton Rd	315	100	30	68.0	67.9	-0.1
Bonita Ave between S San Dima Canyon Rd and Damien Ave	605	190	60	70.8	70.2	-0.6
Bonita Ave between Wheeler Ave and N White Ave	170	55	15	65.3	65.0	-0.2
Claremont Ave between Monte Vista Ave and Foothill Blvd	215	70	20	66.3	66.7	0.4
Claremont Blvd between E 1st St and Arrow Hwy	570	180	55	70.6	70.4	-0.2
Claremont Blvd between E 1st St and W Arrow Route	570	180	55	70.6	70.7	0.1
Claremont Blvd between W Arrow Route and Arrow Hwy	570	180	55	70.6	70.4	-0.2
Claremont Blvd between W Arrow Route and Foothill Blvd	485	155	50	69.9	70.0	0.1
Colima Rd between Dawn Haven Rd (Haliburton Rd) and S Azusa Ave	2,400	760	240	76.8	76.8	0.0
Colima Rd between Camino Del Sur and S Hacienda Blvd	2,865	905	285	77.6	77.6	0.0
Colima Rd between S Azusa Ave and Fullerton Rd	1,795	570	180	75.6	75.2	-0.3
Colima Rd between S Hacienda Blvd and S Stimson Ave	2,030	640	205	76.1	76.1	0.0
Colima Rd between S Stimson Ave and Dawn Haven Rd (Haliburton Rd)	2,345	740	235	76.7	76.6	-0.1
Covina Blvd between S Lone Hill Ave and S 57	780	245	80	71.9	72.0	0.0
Covina Blvd between transition from Badillo St to Covina Blvd and S Lone Hill Ave	930	295	95	72.7	72.8	0.1
E Campus Dr between Kellogg Dr and S Campus Dr	75	25	10	61.9	60.7	-1.2
Fairplex Blvd between Murchison Ave and Gillete Rd	1,485	470	150	74.7	74.7	0.0
Fairplex Dr between Arroyo Ave and Elwood St	510	160	50	70.1	70.0	0.0
Fairplex Dr between Arroyo Ave and W Orange Grove Ave	550	175	55	70.4	70.4	0.0
Fairplex Dr between Gillete Rd and Murchison Ave	1,150	365	115	73.6	73.6	0.0
Fairplex Dr between I-10 and Via Verde Dr	1,100	345	110	73.4	73.4	0.0
Fairplex Dr between Mckinley Ave and Gillette Rd	730	230	75	71.6	71.7	0.0
Fairplex Dr between Murchinson Ave and Avalon Ave	510	160	50	70.1	70.0	0.0
Fairplex Dr between Murchinson Ave and Gillete Rd	1,035	330	105	73.2	73.1	-0.1
Fairplex Dr between Murchinson Ave and W Holt Ave	510	160	50	70.1	70.0	0.0
Fairplex Dr between W Orange Grove Ave and W Holt Ave	1,300	410	130	74.1	74.1	0.0
Foothill Blvd between Amelia Ave and N San Dimas Ave	1,180	375	120	73.7	73.5	-0.3
Foothill Blvd between Georgia Ave and N Vernon Ave	955	300	95	72.8	72.8	0.0
Foothill Blvd between Irwindale Ave and N Todd Ave	1,945	615	195	75.9	75.9	0.0
Foothill Blvd between N Angeleno Ave and N San Gabriel Ave	450	140	45	69.5	69.5	0.0
Foothill Blvd between N Cerritos Ave and N Citrus Ave	635	200	65	71.0	71.1	0.0
Foothill Blvd between N Lemon Ave and N Angeleno Ave	665	210	65	71.2	71.2	0.0
Foothill Blvd between N Pasadena Ave and N Cerritos Ave	635	200	65	71.0	71.1	0.0
Foothill Blvd between N San Dimas Ave and N Walnut Ave	1,145	365	115	73.6	73.3	-0.3
Foothill Blvd between N San Dimas Canyon Rd and Baseline Rd	735	235	75	71.7	71.2	-0.5
Foothill Blvd between N San Gabriel Ave and N Azusa Ave	625	200	60	71.0	71.0	0.0
Foothill Blvd between N Todd Ave and N Vernon Ave	890	280	90	72.5	72.5	0.0
Foothill Blvd between N Vernon Ave and N Orange Ave	665	210	65	71.2	71.2	0.0
Foothill Blvd between N Walnut Ave and N San Dima Canyon Rd	1,145	365	115	73.6	73.3	-0.3
Foothill Blvd transition to Route 66 between N Azusa Ave and N Pasadena Ave	615	195	60	70.9	70.9	0.0

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
Gale Ave between S Azusa Ave and Stoner Creek Rd	495	155	50	69.9	69.6	-0.4
Gale Ave between Stoner Creek Rd and Fullerton Rd	950	300	95	72.8	72.9	0.1
Golden Hills Rd between Wheeler Ave and Stephens Ranch Rd	20	5	>5	55.8	55.8	0.0
Grand Ave between Arrow Hwy and E Cienega Ave	1,000	315	100	73.0	72.8	-0.2
Grand Ave between Badillo St and El Puente St	1,335	420	135	74.3	74.3	0.0
Grand Ave between E Cameron Ave and W Temple Ave	1,940	615	195	75.9	75.9	0.0
Grand Ave between E Cienega Ave and E Covina Blvd	1,040	330	105	73.2	73.3	0.1
Grand Ave between E Covina Blvd and E Cypress St	900	285	90	72.5	72.6	0.0
Grand Ave between E Cypress St and E San Bernardino Rd	1,040	330	105	73.2	73.2	0.0
Grand Ave between E Holt Ave and E Cameron Ave	1,370	435	135	74.4	74.4	0.0
Grand Ave between E Rowland St and E Garvey St	1,215	385	120	73.9	73.9	0.1
Grand Ave between E San Bernardino Rd and Badillo St	830	260	85	72.2	72.2	0.0
Grand Ave between El Puente St and E Covina Hills Rd	1,395	440	140	74.5	74.6	0.1
Grand Ave between Golden Springs Dr and S Diamond Bar Blvd	1,405	445	140	74.5	74.4	-0.1
Grand Ave between I-10 and E Holt Ave	1,095	345	110	73.4	73.4	0.0
Grand Ave between Valley Blvd and Golden Springs Dr	2,005	635	200	76.0	76.0	0.0
Grand Ave between W Baseline Rd and W Gladstone St	1,395	440	140	74.4	74.3	-0.1
Grand Ave between W Gladstone St and Arrow Hwy	1,425	450	140	74.5	74.3	-0.2
Grand Ave between W Historic Route 66 and W Mauna Loa Rd	965	305	95	72.8	72.7	-0.1
Grand Ave between W Mauna Loa Ave and W Baseline Rd	965	305	95	72.8	72.7	-0.1
Holt Ave between Erie St and N Dudley St	255	80	25	67.1	67.1	0.0
Holt Ave between Fairplex Dr and Union Ave	255	80	25	67.1	67.1	0.0
Holt Ave between N Dudley St and N Lewis St	310	100	30	67.9	68.0	0.0
Holt Ave between N East End Ave and S Mills Ave	1,705	540	170	75.3	75.3	0.0
Holt Ave between N Garey Ave and N Towne Ave	610	195	60	70.9	70.8	0.0
Holt Ave between N Hamilton Blvd and N White Ave	330	105	35	68.2	68.3	0.1
Holt Ave between N Lewis St and N Hamilton Blvd	310	100	30	67.9	68.0	0.0
Holt Ave between N Main St and Garey Ave	395	125	40	69.0	68.8	-0.1
Holt Ave between N Park Ave and N Main St	410	130	40	69.1	69.1	-0.1
Holt Ave between N Reservoir St and N East End Ave	450	140	45	69.5	69.4	-0.2
Holt Ave between N San Antonio Ave and N Reservoir St	625	195	60	71.0	70.8	-0.1
Holt Ave between N Towne Ave and N San Antonio Ave	545	170	55	70.4	70.3	-0.1
Holt Ave between N White Ave and N Park Ave	385	120	40	68.9	68.7	-0.1
Holt Ave between Union Ave and N Dudley St	255	80	25	67.1	67.1	0.0
Irwindale Ave between 210 and W Gladstone St	915	290	90	72.6	72.2	-0.4
Irwindale Ave between Cypress St and E San Bernardino Rd	870	275	85	72.4	72.4	0.0
Irwindale Ave between E San Bernardino Rd and Badillo St	890	280	90	72.5	72.5	0.0
La Verne Ave between Fair Ave and Fulton Rd	340	110	35	68.3	68.4	0.1
Mills Ave between Arrow Hwy and Moreno St	125	40	15	64.0	64.2	0.2
Mission Blvd between Buena Vista Ave and S Hamilton Blvd	850	270	85	72.3	72.3	-0.1
Mission Blvd between Humane Way and Westmont Ave	1,520	480	150	74.8	74.8	0.0
Mission Blvd between S 71 and S Dudley St	1,605	505	160	75.1	75.0	-0.1
Mission Blvd between S Dudley St and Buena Vista Ave	850	270	85	72.3	72.3	-0.1
Mission Blvd between S East End Ave and Ramona Ave	590	185	60	70.7	70.6	-0.1
Mission Blvd between S East End Ave and Ramona Ave	590	185	60	70.7	70.6	-0.1
Mission Blvd between S Garey Ave and S Towne Ave	320	100	30	68.1	67.9	-0.1
Mission Blvd between S Hamilton Blvd and S White Ave	505	160	50	70.0	70.1	0.1
Mission Blvd between S Park Ave and S Garey Ave	420	135	40	69.2	69.2	0.0
Mission Blvd between S Reservoir St and S East End Ave	400	125	40	69.0	68.9	-0.1

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
Mission Blvd between S Towne Ave and S Reservoir St	390	125	40	68.9	68.8	-0.1
Mission Blvd between S White Ave and S Park Ave	420	135	40	69.2	69.2	0.0
Mission Blvd between W Phillips Dr and Humane Way	1,585	500	160	75.0	75.0	0.0
Mission Blvd between W Temple Ave and Rancho Laguna Dr	1,585	500	160	75.0	75.0	0.0
Mission Blvd between W Temple Ave and W Phillips Dr	1,585	500	160	75.0	75.0	0.0
Mission Blvd between Westmont Ave and N 71	1,620	510	160	75.1	75.1	0.0
Monte Vista Ave between Base Line Rd and Foothill Blvd	810	255	80	72.1	72.4	0.3
Monte Vista Ave between Base Line Rd and Route 66	810	255	80	72.1	72.4	0.3
Monte Vista Ave between N Claremont Blvd and Route 66	865	275	85	72.4	72.6	0.2
N Claremont Ave between Foothill Blvd and Monte Vista Ave	260	80	25	67.2	67.2	0.1
Peck Rd between Pellissier Pl and Workman Mill Rd	1,715	540	170	75.3	75.4	0.0
Peck Rd between Workman Mill Rd and Rooks Rd	1,945	615	195	75.9	76.0	0.1
Philadelphia St between Garey Ave and S Towne Ave	300	95	30	67.8	67.7	-0.1
Ramona Blvd between Baldwin Park Blvd and Maine Ave	570	180	55	70.6	70.7	0.1
Ramona Blvd between Bogart Ae and Downing Ave	575	185	60	70.6	70.7	0.1
Ramona Blvd between Downing Ave and Badillo St	950	300	95	72.8	72.9	0.1
Ramona Blvd between Durfee Ave and Syracuse Ave	1,180	375	120	73.7	73.8	0.1
Ramona Blvd between Foster Ave and Kenmore Ave	750	240	75	71.8	71.9	0.1
Ramona Blvd between Francisquito Ave and Foster Ave	850	270	85	72.3	72.4	0.1
Ramona Blvd between Maine Ave and Bogart Ave	575	185	60	70.6	70.7	0.1
Ramona Blvd between Monterey Ave and Merced Ave	750	240	75	71.8	71.9	0.1
Ramona Blvd between Stewart Ave and Baldwin Park Blvd	505	160	50	70.0	70.1	0.0
Ramona Blvd between Syracuse Ave and Francisquito Ave	1,220	385	120	73.9	74.0	0.1
Rio Rancho Rd between 71 and Rancho Valley Dr	640	200	65	71.1	71.0	0.0
Rio Rancho Rd between Phillips Ranch Rd and Rancho Camino Rd	470	150	45	69.7	69.8	0.1
Rio Rancho Rd between Ranch Valley Dr and S Park Ave	705	220	70	71.5	71.4	0.0
Rio Rancho Rd between Rancho Camino Rd and 71	590	185	60	70.7	70.8	0.0
Rio Rancho Rd between S Park Ave and S Garey Ave	520	165	50	70.2	70.1	0.0
Rivergrade Rd between Los Angeles St and Brooks Dr	290	90	30	67.6	67.7	0.1
Riverside Dr between Ficus St and Reservoir Ave	1,175	370	120	73.7	73.6	-0.1
Riverside Dr between S Towne Ave and Hillcrest Dr	1,175	370	120	73.7	73.6	-0.1
Route 66 between Baranca Ave and S Vecino Dr	990	310	100	73.0	72.9	0.0
Route 66 between Foothill Blvd and N Citrus Ave	480	155	50	69.8	69.6	-0.3
Route 66 between Glendora Ave and S Loraine Ave	1,365	430	135	74.4	74.3	0.0
Route 66 between Grand Ave and Glendora Ave	905	285	90	72.6	72.5	-0.1
Route 66 between N Cerritos Ave and N Citrus Ave	420	135	40	69.3	68.9	-0.4
Route 66 between N Citrus Ave and Barranca Ave	600	190	60	70.8	70.7	-0.1
Route 66 between S Elwood Ave and S Loraine Ave	1,365	430	135	74.4	74.3	0.0
Route 66 between S Lone Hill Ave and Amelia Ave	715	225	70	71.5	71.3	-0.3
Route 66 between S Loraine Ave and S Lone Hill Ave	1,215	385	120	73.9	73.9	0.1
Route 66 between S Loraine Ave and S Lone Hill Ave	1,215	385	120	73.9	73.9	0.1
Route 66 between S Loraine Ave and S Lone Hill Ave	1,215	385	120	73.9	73.9	0.1
Route 66 between S Vecino Dr and S Grand Ave	990	310	100	73.0	72.9	0.0
Route 66 between S Vermont Ave and Glendora Ave	905	285	90	72.6	72.5	-0.1
S 7th Ave between Los Robles Ave and Palm Ave	575	180	55	70.6	71.1	0.5
S 7th Ave between Palm Ave and Gale Ave	620	195	60	70.9	71.3	0.3
S Azusa Ave between E 1st St and E Gladstone St	805	255	80	72.1	72.0	0.0
S Azusa Ave between E Cortez St and E Workman Ave	430	135	45	69.4	69.3	-0.1
S Grand Ave between E Holt Ave and I-10	855	270	85	72.3	72.2	-0.1

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
S Grand Ave between W Baseline Rd and W Gladstone St	970	305	95	72.9	72.8	-0.1
S Vincent Ave between E Workman Ave and W Covina Pkwy	680	215	70	71.3	71.4	0.1
San Dimas Canyo Rd between E Bonita Ave and Arrow Hwy	110	35	10	63.5	63.0	-0.4
San Dimas Canyon Rd between E Allen Ave and E Gladstone St	365	115	35	68.6	68.2	-0.4
San Dimas Canyon Rd between E Baseline Rd and E Allen Ave	265	85	25	67.3	67.3	0.0
San Dimas Canyon Rd between E Gladstone St and Juanita Ave	435	140	45	69.4	68.9	-0.6
San Dimas Canyon Rd between Foothill Blvd and E Allen Ave	305	95	30	67.8	67.7	-0.2
San Dimas Canyon Rd between Golden Hills Rd and Foothill Blvd	55	20	5	60.5	60.7	0.2
San Dimas Canyon Rd between Juanita Ave and E Bonita Ave	435	140	45	69.4	68.9	-0.6
SE End Ave between 9th St and E Grand Ave	315	100	30	68.0	68.1	0.1
SE End Ave between E Grand Ave and Phillips Blvd	430	135	45	69.4	69.5	0.1
SE End Ave between E Mission Ave and 9th St	355	115	35	68.5	68.6	0.1
Sheperd St between Rose Hills Rd and N 605	225	70	20	66.5	66.3	-0.2
Sunset Ave between Amar Rd and E Temple Ave	1,415	445	140	74.5	74.6	0.1
Sunset Ave between Badillo St and W Puente Ave	845	265	85	72.3	72.3	0.0
Sunset Ave between E Temple Ave and Nelson Ave	1,725	545	175	75.4	75.4	0.0
Sunset Ave between Nelson Ave and Valley Blvd	980	310	100	72.9	72.9	0.0
Sunset Ave between W Cameron Ave and W Vine Ave	1,015	320	100	73.1	73.0	-0.1
Sunset Ave between W Covina Pkwy and W Cameron Ave	1,305	415	130	74.2	74.1	-0.1
Sunset Ave between W Faigrove Ave and Amar Rd	985	310	100	72.9	72.8	-0.1
Sunset Ave between W Francisquito Ave and W Fairgrove Ave	1,020	320	100	73.1	73.0	-0.1
Sunset Ave between W Garvey Ave and W Covina Pkwy	1,030	325	105	73.1	73.0	-0.1
Sunset Ave between W Garvey Ave and W Covina Pkwy	1,030	325	105	73.1	73.0	-0.1
Sunset Ave between W Merced Ave and W Durness St	1,115	355	110	73.5	73.4	-0.1
Sunset Ave between W Puente Ave and W Rowland Ave	705	225	70	71.5	71.5	0.0
Sunset Ave between W Rexwood St and W Francisquito Ave	1,175	370	115	73.7	73.6	-0.1
Sunset Ave between W Rowland Ave and W Workman Ave	1,045	330	105	73.2	73.2	0.0
Sunset Ave between W Vine Ave and W Merced Ave	1,015	320	100	73.1	73.0	-0.1
Sunset Ave between W Workman Ave and W Garvey Ave	1,035	325	105	73.2	73.1	0.0
Sunset Ave between W Yarnel St and W Durness St	1,115	355	110	73.5	73.4	-0.1
Temple Ave between Bonita Dr and S Campus Dr	1,085	345	110	73.4	73.5	0.1
Temple Ave between Grand Ave and Bonita Dr	1,085	345	110	73.4	73.5	0.1
Temple Ave between N Grand Ave and Bonita Dr	1,085	345	110	73.4	73.5	0.1
Temple Ave between Pomona Blvd and S 71	955	300	95	72.8	73.2	0.4
Temple Ave between S 71 and N Diamond Bar Blvd	1,625	515	165	75.1	75.2	0.1
Temple Ave between S Campus Dr and Valley Blvd	1,260	400	125	74.0	74.5	0.5
Temple Ave between Valley Blvd and Pomona Blvd	965	305	95	72.9	73.3	0.4
Towne Ave between 9th St and E Grand Ave	525	165	55	70.2	70.3	0.1
Towne Ave between Arrow Hwy and E La Verne Ave	625	195	60	71.0	71.0	0.0
Towne Ave between Base Line Rd and Foothill Blvd	440	140	45	69.4	69.4	-0.1
Towne Ave between Base Line Rd and Foothill Blvd	440	140	45	69.4	69.4	-0.1
Towne Ave between E 2nd St and E 3rd St	695	220	70	71.4	71.4	0.0
Towne Ave between E 3rd St and E Mission Blvd	695	220	70	71.4	71.4	0.0
Towne Ave between E Alvarado St and E Kingsley Ave	775	245	80	71.9	71.9	-0.1
Towne Ave between E Bonita Ave and Arrow Hwy	970	305	95	72.9	73.0	0.1
Towne Ave between E County Rd and Riverside Dr	525	165	50	70.2	70.3	0.1
Towne Ave between E Franklin Ave and E Lexington Ave	570	180	55	70.6	70.6	0.0
Towne Ave between E Grand Ave and Phillips Blvd	530	165	55	70.2	70.3	0.0
Towne Ave between E Harrison Ave and E Bonita Ave	805	255	80	72.1	72.3	0.2

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
Towne Ave between E Holt Ave an E Monterey Ave	795	250	80	72.0	72.0	0.0
Towne Ave between E Kingsley Ave and E Holt Ave	775	245	80	71.9	71.9	-0.1
Towne Ave between E La Verne Ave and San Bernardino Ave	1,145	360	115	73.6	73.6	0.0
Towne Ave between E Lexington Ave and Philadelphia St	410	130	40	69.1	69.2	0.1
Towne Ave between E Mckinley Ave and Lincoln Ave	745	235	75	71.7	71.7	0.0
Towne Ave between E Mission Blvd and 9th St	680	215	70	71.3	71.4	0.0
Towne Ave between E Monterey Ave and E Mission Blvd	800	255	80	72.0	71.9	-0.1
Towne Ave between E Olive St and E County Rd	415	130	40	69.2	69.2	0.0
Towne Ave between Foothill Blvd and E Harrison Ave	580	185	60	70.6	70.9	0.2
Towne Ave between Lincoln Ave and E Kingsley Ave	745	235	75	71.7	71.7	0.0

Roadway Segment	Future Plus Project Distance (feet) to Centerline to			Future No Project Noise Levels	Future Plus Project Noise Levels	Increase
	60 dBA CNEL Contour	65 dBA CNEL Contour	70 dBA CNEL Contour	dBA CNEL at 50 Feet from Centerline		
Towne Ave between N San Antonio Ave and E La Verne Ave	535	170	55	70.3	70.4	0.1
Towne Ave between Philadelphia St and E Olive St	415	130	40	69.2	69.2	0.0
Towne Ave between Phillips Blvd and E Franklin Ave	560	180	55	70.5	70.6	0.1
Towne Ave between San Bernardino Ave and E Holt Ave	720	225	70	71.6	71.5	0.0
Valley Blvd between Durfee Ave and E Temple Ave	1,245	395	125	74.0	73.9	-0.1
Valley Blvd between E Temple Ave and Durfee Ave	1,325	420	130	74.2	73.9	-0.3
Valley Blvd between Faure Ave and Grand Ave	1,090	345	110	73.4	73.5	0.1
Valley Blvd between Grand Ave and Pomona Blvd	1,090	345	110	73.4	73.5	0.1
Valley Blvd between Grand Ave and S Brea Canyon Rd	1,700	535	170	75.3	75.3	0.0
Valley Blvd between Humane Way and Fairplex Dr	1,350	425	135	74.3	74.3	0.0
Valley Blvd between Kellogg Dr and W Temple Ave	1,130	355	115	73.5	73.6	0.1
Valley Blvd between N Orange Ave and S 7th St	1,565	495	155	75.0	74.6	-0.3
Valley Blvd between Pierre Rd and S Lemon Ave	865	275	85	72.4	72.3	-0.1
Valley Blvd between Pomona Blvd and Faure Ave	1,220	385	120	73.9	74.0	0.1
Valley Blvd between Ridgeway St and S 71	965	305	95	72.9	72.8	-0.1
Valley Blvd between S 7th st and N California Ave	1,470	465	145	74.7	74.3	-0.4
Valley Blvd between S Brea Canyon Rd and S Lemon Ave	1,640	520	165	75.2	75.2	0.0
Valley Blvd between S Covina Ave and Vineland Blvd	1,265	400	125	74.0	73.5	-0.6
Valley Blvd between S San Angelo Ave and S Covina Blvd	1,265	400	125	74.0	73.5	-0.6
Valley Blvd between Vineland Ave and N Orange Ave	1,730	545	175	75.4	75.0	-0.4
Valley Blvd between W Temple Ave and Pomona Blvd	1,085	345	110	73.4	73.5	0.2
Valley Blvd between W Temple Ave and Ridgeway St	1,130	355	115	73.5	73.6	0.1
Village Loop Dr between Rustice Glen Dr and Phillips Ranch Rd	560	175	55	70.5	70.3	-0.2
Village Loop Rd between Avenida Rancheros and Rustic Glen Dr	560	175	55	70.5	70.3	-0.2
Vincent Ave between E Puente Ave and W Rowland Ave	675	215	65	71.3	71.5	0.2
Vincent Ave between W Rowland Ave and Workman Ave	945	300	95	72.8	72.9	0.1
W Arrow Highway between N Lone Hill Ave and W Bonita Ave	1,120	355	110	73.5	73.6	0.1
W Covina Blvd between S Lone Hill Ave and SR-57	780	245	80	71.9	72.0	0.0
W Holt Ave between Fairplex Dr and Union Ave	965	305	95	72.9	72.9	0.0
W Temple Ave between SR-57 and Pomona Blvd	1,155	365	115	73.6	74.1	0.5



# **Traffic Noise Modeling 2035 No Project Scenario**









Roadway Segment	Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	CNEL Noise Level (dBA)	Distance (feet) to Noise Level (dBA CNEL)		
			Auto	MT	HT	Auto	MT	HT			60	65	70
Arrow Hwy between W Covina Blvd and S San Dimas Ave	Hard	50	40	40	40	4904	87	67	73.6	74.6	1,430	450	145
W Arrow Highway between N Lone Hill Ave and W Bonita Ave	Hard	50	40	40	40	3736	64	62	72.5	73.5	1,120	355	110
Badillo St between Hohenbeck Ave and 4th Ave	Hard	50	40	40	40	2057	25	18	69.4	70.4	555	175	55
Badillo St between N Lake Ellen Ave and N Azusa Ave	Hard	50	40	40	40	2938	46	40	71.3	72.3	850	270	85
Badillo St between S 4th Ave and S Citrus Ave	Hard	50	30	30	30	1475	14	11	64.5	65.5	180	55	20
Badillo St between S Valley Center Ave and E Covina Blvd	Hard	50	40	40	40	2966	25	20	70.8	71.8	765	240	75
Baseline Rd between Dawn Ave and Live Oak Canyon Rd	Hard	50	40	40	40	1832	21	18	69.0	70.0	495	155	50
Covina Blvd between S Lone Hill Ave and S 57	Hard	50	40	40	40	2924	29	26	70.9	71.9	780	245	80
Covina Blvd between transition from Badillo St to Covina Blvd at W Covina Blvd between S Lone Hill Ave and SR-57	Hard	50	40	40	40	3575	32	26	71.7	72.7	930	295	95
W Covina Blvd between S Lone Hill Ave and SR-57	Hard	50	40	40	40	2924	29	26	70.9	71.9	780	245	80
Foothill Blvd between Georgia Ave and N Vernon Ave	Hard	50	40	40	40	3582	40	30	71.8	72.8	955	300	95
Foothill Blvd between Irwindale Ave and N Todd Ave	Hard	50	45	45	45	5026	63	54	74.9	75.9	1,945	615	195
Foothill Blvd between N Angeleno Ave and N San Gabriel Ave	Hard	50	35	35	35	2741	16	9	68.5	69.5	450	140	45
Foothill Blvd between N Lemon Ave and N Angeleno Ave	Hard	50	40	40	40	2735	16	9	70.2	71.2	665	210	65
Foothill Blvd between N San Gabriel Ave and N Azusa Ave	Hard	50	35	35	35	3624	31	20	70.0	71.0	625	200	60
Foothill Blvd between N Todd Ave and N Vernon Ave	Hard	50	40	40	40	3446	33	22	71.5	72.5	890	280	90
Foothill Blvd between N Vernon Ave and N Orange Ave	Hard	50	40	40	40	2735	16	9	70.2	71.2	665	210	65
Holt Ave between Erie St and N Dudley St	Hard	50	35	35	35	1496	12	8	66.1	67.1	255	80	25
Holt Ave between Fairplex Dr and Union Ave	Hard	50	35	35	35	1496	12	8	66.1	67.1	255	80	25
Holt Ave between N Dudley St and N Lewis St	Hard	50	35	35	35	1903	12	6	66.9	67.9	310	100	30
Holt Ave between N Hamilton Blvd and N White Ave	Hard	50	35	35	35	1999	13	7	67.2	68.2	330	105	35
Holt Ave between N Lewis St and N Hamilton Blvd	Hard	50	35	35	35	1903	12	6	66.9	67.9	310	100	30
Holt Ave between N Main St and Garey Ave	Hard	50	35	35	35	2184	28	15	68.0	69.0	395	125	40
Holt Ave between N Park Ave and N Main St	Hard	50	35	35	35	2285	29	15	68.1	69.1	410	130	40
Holt Ave between N White Ave and N Park Ave	Hard	50	35	35	35	2183	23	13	67.9	68.9	385	120	40
Holt Ave between Union Ave and N Dudley St	Hard	50	35	35	35	1496	12	8	66.1	67.1	255	80	25
W Holt Ave between Fairplex Dr and Union Ave	Hard	50	35	35	35	4832	61	70	71.9	72.9	965	305	95
La Verne Ave between Fair Ave and Fulton Rd	Hard	50	40	40	40	1047	21	25	67.3	68.3	340	110	35
Mission Blvd between Buena Vista Ave and S Hamilton Blvd	Hard	50	40	40	40	2980	38	41	71.3	72.3	850	270	85
Mission Blvd between Humane Way and Westmont Ave	Hard	50	45	45	45	3629	70	58	73.8	74.8	1,520	480	150
Mission Blvd between S 71 and S Dudley St	Hard	50	45	45	45	4170	46	45	74.1	75.1	1,605	505	160
Mission Blvd between S Dudley St and Buena Vista Ave	Hard	50	40	40	40	2980	38	41	71.3	72.3	850	270	85
Mission Blvd between S Hamilton Blvd and S White Ave	Hard	50	35	35	35	2683	35	25	69.0	70.0	505	160	50
Mission Blvd between S Park Ave and S Garey Ave	Hard	50	35	35	35	2262	29	20	68.2	69.2	420	135	40
Mission Blvd between S White Ave and S Park Ave	Hard	50	35	35	35	2262	29	20	68.2	69.2	420	135	40
Mission Blvd between W Phillips Dr and Humane Way	Hard	50	45	45	45	3461	62	95	74.0	75.0	1,585	500	160
Mission Blvd between W Temple Ave and Rancho Laguna Dr	Hard	50	45	45	45	3461	62	95	74.0	75.0	1,585	500	160
Mission Blvd between W Temple Ave and W Phillips Dr	Hard	50	45	45	45	3461	62	95	74.0	75.0	1,585	500	160
Mission Blvd between Westmont Ave and N 71	Hard	50	45	45	45	4011	62	55	74.1	75.1	1,620	510	160
Temple Ave between Bonita Dr and S Campus Dr	Hard	50	45	45	45	3125	17	11	72.4	73.4	1,085	345	110
Temple Ave between Grand Ave and Bonita Dr	Hard	50	45	45	45	3125	17	11	72.4	73.4	1,085	345	110
Temple Ave between N Grand Ave and Bonita Dr	Hard	50	45	45	45	3125	17	11	72.4	73.4	1,085	345	110
Temple Ave between Pomona Blvd and S 71	Hard	50	45	45	45	2609	13	22	71.8	72.8	955	300	95
Temple Ave between S 71 and N Diamond Bar Blvd	Hard	50	45	45	45	4150	39	56	74.1	75.1	1,625	515	165
Temple Ave between S Campus Dr and Valley Blvd	Hard	50	45	45	45	3519	21	21	73.0	74.0	1,260	400	125
Temple Ave between Valley Blvd and Pomona Blvd	Hard	50	45	45	45	2654	14	21	71.9	72.9	965	305	95
W Temple Ave between SR-57 and Pomona Blvd	Hard	50	45	45	45	3057	21	33	72.6	73.6	1,155	365	115

**Model Notes:**

The calculation is based on the methodology described in FHWA Traffic Noise Model Technical Manual (1998).

The peak hour noise level at 50 feet was validated with the results from FHWA Traffic Noise Model Version 2.5.

Accuracy of the calculation is within ±0.1 dB when comparing to TNM results.

Noise propagation greater than 50 feet is based on the following assumptions:

For hard ground, the propagation rate is 3 dB per doubling the distance.

For soft ground, the propagation rate is 4.5 dB per doubling the distance.

Vehicles are assumed to be on a long straight roadway with cruise speed.

Roadway grade is less than 1.5%.

CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

# **Traffic Noise Modeling 2035 With Project Scenario**











Roadway Segment	Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	CNEL Noise Level (dBA)	Distance (feet) to Noise Level (dBA CNEL)		
			Auto	MT	HT	Auto	MT	HT			60	65	70
Arrow Hwy between W Covina Blvd and S San Dimas Ave	Hard	50	40	40	40	4906	79	54	73.4	74.4	1,380	435	140
W Arrow Highway between N Lone Hill Ave and W Bonita Ave	Hard	50	40	40	40	3723	67	67	72.6	73.6	1,135	360	115
Badillo St between Hohenbeck Ave and 4th Ave	Hard	50	40	40	40	2115	23	16	69.5	70.5	555	175	55
Badillo St between N Lake Ellen Ave and N Azusa Ave	Hard	50	40	40	40	2974	44	37	71.3	72.3	845	265	85
Badillo St between S 4th Ave and S Citrus Ave	Hard	50	30	30	30	1472	14	11	64.5	65.5	180	55	20
Badillo St between S Valley Center Ave and E Covina Blvd	Hard	50	40	40	40	2999	25	20	70.9	71.9	770	245	75
Baseline Rd between Dawn Ave and Live Oak Canyon Rd	Hard	50	40	40	40	1586	21	15	68.4	69.4	430	135	45
Covina Blvd between S Lone Hill Ave and S 57	Hard	50	40	40	40	2965	32	24	71.0	72.0	785	250	80
Covina Blvd between transition from Badillo St to Covina Blvd and W Covina Blvd between S Lone Hill Ave and SR-57	Hard	50	40	40	40	3669	32	26	71.8	72.8	950	300	95
Foothill Blvd between Georgia Ave and N Vernon Ave	Hard	50	40	40	40	2965	32	24	71.0	72.0	785	250	80
Foothill Blvd between Irwindale Ave and N Todd Ave	Hard	50	40	40	40	3512	43	32	71.8	72.8	950	300	95
Foothill Blvd between N Angeleno Ave and N San Gabriel Ave	Hard	50	45	45	45	4939	67	58	74.9	75.9	1,940	615	195
Foothill Blvd between N Lemon Ave and N Angeleno Ave	Hard	50	35	35	35	2666	21	12	68.5	69.5	450	145	45
Foothill Blvd between N San Gabriel Ave and N Azusa Ave	Hard	50	40	40	40	2660	20	12	70.2	71.2	665	210	65
Foothill Blvd between N Todd Ave and N Vernon Ave	Hard	50	35	35	35	3567	36	23	70.0	71.0	630	200	65
Foothill Blvd between N Vernon Ave and N Orange Ave	Hard	50	40	40	40	3399	37	26	71.5	72.5	895	285	90
Holt Ave between Erie St and N Dudley St	Hard	50	40	40	40	2660	20	12	70.2	71.2	665	210	65
Holt Ave between Fairplex Dr and Union Ave	Hard	50	35	35	35	1486	12	9	66.1	67.1	255	80	25
Holt Ave between N Dudley St and N Lewis St	Hard	50	35	35	35	1870	13	8	67.0	68.0	315	100	30
Holt Ave between N Hamilton Blvd and N White Ave	Hard	50	35	35	35	2000	15	8	67.3	68.3	335	105	35
Holt Ave between N Lewis St and N Hamilton Blvd	Hard	50	35	35	35	1870	13	8	67.0	68.0	315	100	30
Holt Ave between N Main St and Garey Ave	Hard	50	35	35	35	2107	27	15	67.8	68.8	380	120	40
Holt Ave between N Park Ave and N Main St	Hard	50	35	35	35	2233	29	16	68.1	69.1	405	130	40
Holt Ave between N White Ave and N Park Ave	Hard	50	35	35	35	2096	24	14	67.7	68.7	375	120	35
Holt Ave between Union Ave and N Dudley St	Hard	50	35	35	35	1486	12	9	66.1	67.1	255	80	25
W Holt Ave between Fairplex Dr and Union Ave	Hard	50	35	35	35	4888	61	66	71.9	72.9	965	305	95
La Verne Ave between Fair Ave and Fulton Rd	Hard	50	40	40	40	1045	23	26	67.4	68.4	345	110	35
Mission Blvd between Buena Vista Ave and S Hamilton Blvd	Hard	50	40	40	40	2923	38	42	71.3	72.3	840	265	85
Mission Blvd between Humane Way and Westmont Ave	Hard	50	45	45	45	3621	69	59	73.8	74.8	1,520	480	150
Mission Blvd between S 71 and S Dudley St	Hard	50	45	45	45	4075	46	46	74.0	75.0	1,575	500	160
Mission Blvd between S Dudley St and Buena Vista Ave	Hard	50	40	40	40	2923	38	42	71.3	72.3	840	265	85
Mission Blvd between S Hamilton Blvd and S White Ave	Hard	50	35	35	35	2706	35	27	69.1	70.1	510	160	50
Mission Blvd between S Park Ave and S Garey Ave	Hard	50	35	35	35	2213	29	21	68.2	69.2	415	130	40
Mission Blvd between S White Ave and S Park Ave	Hard	50	35	35	35	2213	29	21	68.2	69.2	415	130	40
Mission Blvd between W Phillips Dr and Humane Way	Hard	50	45	45	45	3433	63	97	74.0	75.0	1,585	500	160
Mission Blvd between W Temple Ave and Rancho Laguna Dr	Hard	50	45	45	45	3433	63	97	74.0	75.0	1,585	500	160
Mission Blvd between W Temple Ave and W Phillips Dr	Hard	50	45	45	45	3433	63	97	74.0	75.0	1,585	500	160
Mission Blvd between Westmont Ave and N 71	Hard	50	45	45	45	3978	63	57	74.1	75.1	1,615	510	160
Temple Ave between Bonita Dr and S Campus Dr	Hard	50	45	45	45	3191	19	12	72.5	73.5	1,115	355	110
Temple Ave between Grand Ave and Bonita Dr	Hard	50	45	45	45	3191	19	12	72.5	73.5	1,115	355	110
Temple Ave between N Grand Ave and Bonita Dr	Hard	50	45	45	45	3191	19	12	72.5	73.5	1,115	355	110
Temple Ave between Pomona Blvd and S 71	Hard	50	45	45	45	2837	16	23	72.2	73.2	1,035	330	105
Temple Ave between S 71 and N Diamond Bar Blvd	Hard	50	45	45	45	4106	45	64	74.2	75.2	1,650	520	165
Temple Ave between S Campus Dr and Valley Blvd	Hard	50	45	45	45	3875	28	24	73.5	74.5	1,400	440	140
Temple Ave between Valley Blvd and Pomona Blvd	Hard	50	45	45	45	2947	17	22	72.3	73.3	1,070	340	105
W Temple Ave between SR-57 and Pomona Blvd	Hard	50	45	45	45	3362	28	42	73.1	74.1	1,300	410	130

**Model Notes:**

The calculation is based on the methodology described in FHWA Traffic Noise Model Technical Manual (1998).

The peak hour noise level at 50 feet was validated with the results from FHWA Traffic Noise Model Version 2.5.

Accuracy of the calculation is within ±0.1 dB when comparing to TNM results.

Noise propagation greater than 50 feet is based on the following assumptions:

For hard ground, the propagation rate is 3 dB per doubling the distance.

For soft ground, the propagation rate is 4.5 dB per doubling the distance.

Vehicles are assumed to be on a long straight roadway with cruise speed.

Roadway grade is less than 1.5%.

CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.