Appendix E
Noise Assumptions and Modeling

Ambient Noise Data

Summary

File Name on Meter	LxT_Data.294.s
File Name on PC	LxT_0004285-20230824 095559-LxT_Data.294.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2023-08-24 09:55:59
Stop	2023-08-24 10:10:59
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-08-24 08:17:51
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	145.2 dB

	A	**C**	**Z**
Under Range Peak	**101.2**	98.2	103.2 dB
Under Range Limit	**38.3**	38.0	45.1 dB
Noise Floor	29.2	28.9	35.9 dB

	First	**Second**	**Third**
Instrument Identification		626 Wilshire Blvd., Ste. 1100	Los Angeles, CA 90017

Results

LA_{Seq}	70.3	
LASE	99.9	
EAS	1.078	mPa^2h
EAS8	34.499	mPa^2h
EAS40	172.494	mPa^2h
$LA_{peak\ (max)}$	2023-08-24 10:00:03	96.3 dB
LAS_{max}	2023-08-24 10:09:02	81.0 dB
LAS_{min}	2023-08-24 09:59:06	54.6 dB
SEA	-99.9 dB	

	Exceedance Counts	**Duration**
LAS > 85.0 dB	0	0.0 s
LAS > 115.0 dB	0	0.0 s
LA_{peak} > 135.0 dB	0	0.0 s
LA_{peak} > 137.0 dB	0	0.0 s
LA_{peak} > 140.0 dB	0	0.0 s

LC_{Seq}	77.5	dB
LA_{Seq}	70.3	dB
LC_{Seq} - LA_{Seq}	7.1	dB
LAI_{eq}	71.6	dB
LA_{eq}	70.3	dB
LAI_{eq} - LA_{eq}	1.2	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	70.3					
$L_{S(max)}$	81.0	2023/08/24 10:09:02				
$L_{S(min)}$	54.6	2023/08/24 9:59:06				
$L_{Peak(max)}$	96.3	2023/08/24 10:00:03				

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	0.00 %
Projected Dose	-99.94	0.07 %
TWA (Projected)	-99.9	37.1 dB
TWA (t)	-99.9	12.1 dB
Lep (t)	55.3	55.3 dB

Statistics

LAS 5.00	75.4 dB
LAS 10.00	74.0 dB
LAS 33.30	70.0 dB
LAS 50.00	68.1 dB
LAS 66.60	66.1 dB
LAS 90.00	60.1 dB

Summary

File Name on Meter	LxT_Data.295.s
File Name on PC	LxT_0004285-20230824 102102-LxT_Data.295.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2023-08-24 10:21:02
Stop	2023-08-24 10:36:02
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-08-24 08:17:51
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	145.2 dB

	A	C	Z
Under Range Peak	**101.2**	98.2	103.2 dB
Under Range Limit	**38.3**	38.0	45.1 dB
Noise Floor	29.2	28.9	35.9 dB

	First	Second	Third
Instrument Identification		626 Wilshire Blvd., Ste. 1100	Los Angeles, CA 90017

Results

LA_{Eq}	73.9	
LASE	103.5	
EAS	2.473	mPa^2h
EAS8	79.127	mPa^2h
EAS40	395.635	mPa^2h
$LA_{peak\ (max)}$	2023-08-24 10:30:16	102.5 dB
LAS_{max}	2023-08-24 10:30:17	90.2 dB
LAS_{min}	2023-08-24 10:29:02	49.0 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 85.0 dB	1	3.9 s
LAS > 115.0 dB	0	0.0 s
LA_{peak} > 135.0 dB	0	0.0 s
LA_{peak} > 137.0 dB	0	0.0 s
LA_{peak} > 140.0 dB	0	0.0 s

LC_{Seq}	79.1 dB
LA_{Seq}	73.9 dB
LC_{Seq} - LA_{Seq}	5.1 dB
LA_{leq}	75.3 dB
LA_{eq}	73.9 dB
LA_{leq} - LA_{eq}	1.4 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L_{eq}	73.9					
$L_{S(max)}$	90.2	2023/08/24 10:30:17				
$L_{S(min)}$	49.0	2023/08/24 10:29:02				
$L_{Peak(max)}$	102.5	2023/08/24 10:30:16				

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	0.00	0.05 %
Projected Dose	0.06	1.51 %
TWA (Projected)	36.0	59.7 dB
TWA (t)	11.0	34.7 dB
Lep (t)	58.9	58.9 dB

Statistics

LAS 5.00	79.7 dB
LAS 10.00	78.0 dB
LAS 33.30	72.9 dB
LAS 50.00	69.4 dB
LAS 66.60	65.8 dB
LAS 90.00	57.7 dB

Summary

File Name on Meter	LxT_Data.250.s
File Name on PC	LxT_0004983-20230824 100131-LxT_Data.250.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2023-08-24 10:01:31
Stop	2023-08-24 10:16:31
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-08-24 08:19:54
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamplifier	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
Overload	143.3 dB

	A	C	Z
Under Range Peak	99.3	96.3	**101.3** dB
Under Range Limit	**36.6**	36.2	43.2 dB
Noise Floor	27.4	27.1	34.1 dB

	First	Second	Third
Instrument Identification			

Results

LASeq	55.2	
LASE	84.7	
EAS	32.918	µPa²h
EAS8	1.053	mPa²h
EAS40	5.267	mPa²h
LZpeak (max)	2023-08-24 10:02:01	94.1 dB
LASmax	2023-08-24 10:15:12	70.0 dB
LASmin	2023-08-24 10:07:02	48.1 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 85.0 dB	0	0.0 s
LAS > 115.0 dB	0	0.0 s
LZpeak > 135.0 dB	0	0.0 s
LZpeak > 137.0 dB	0	0.0 s
LZpeak > 140.0 dB	0	0.0 s

LCSeq	67.0 dB
LASeq	55.2 dB
LCSeq - LASeq	11.8 dB
LAleq	58.2 dB
LAeq	55.2 dB
LAleq - LAeq	3.0 dB

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	55.2					
LS(max)	70.0	2023/08/24 10:15:12				
LS(min)	48.1	2023/08/24 10:07:02				
LPeak(max)					94.1	2023/08/24 10:02:01

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)	40.1	40.1 dB

Statistics

LAS 5.00	59.4 dB
LAS 10.00	57.6 dB
LAS 33.30	54.4 dB
LAS 50.00	53.3 dB
LAS 66.60	52.4 dB
LAS 90.00	51.0 dB

Summary

File Name on Meter	LxT_Data.248.s
File Name on PC	LxT_0004983-20230824 085251-LxT_Data.248.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24	08:52:51
Stop	2023-08-24	09:07:51
Duration		00:15:00.0
Run Time		00:15:00.0
Pause		00:00:00.0
Pre-Calibration	2023-08-24	08:19:54
Post-Calibration		None
Calibration Deviation		---

Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamplifier	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
Overload	143.3 dB

	A	C	Z
Under Range Peak	99.3	96.3	**101.3** dB
Under Range Limit	**36.6**	36.2	43.2 dB
Noise Floor	27.4	27.1	34.1 dB

	First	Second	Third
Instrument Identification			

Results

LASeq	60.5	
LASE	90.1	
EAS	113.316	µPa²h
EAS8	3.626	mPa²h
EAS40	18.131	mPa²h
LZpeak (max)	2023-08-24 08:57:11	99.8 dB
LASmax	2023-08-24 08:57:12	78.8 dB
LASmin	2023-08-24 09:03:30	49.5 dB
SEA	-99.9	dB

	Exceedance Counts	Duration
LAS > 85.0 dB	0	0.0 s
LAS > 115.0 dB	0	0.0 s
LZpeak > 135.0 dB	0	0.0 s
LZpeak > 137.0 dB	0	0.0 s
LZpeak > 140.0 dB	0	0.0 s

LCSeq	70.1	dB
LASeq	60.5	dB
LCSeq - LASeq	9.6	dB
LAIeq	62.4	dB
LAeq	60.5	dB
LAIeq - LAeq	1.9	dB

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	60.5					
LS(max)	78.8	2023/08/24 8:57:12				
LS(min)	49.5	2023/08/24 9:03:30				
LPeak(max)					99.8	2023/08/24 8:57:11

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)	45.5	45.5 dB

Statistics

LAS 5.00	67.3	dB
LAS 10.00	62.6	dB
LAS 33.30	54.4	dB
LAS 50.00	52.6	dB
LAS 66.60	51.5	dB
LAS 90.00	50.6	dB

Summary

File Name on Meter	LxT_Data.292.s
File Name on PC	LxT_0004285-20230824 084203-LxT_Data.292.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24 08:42:03	
Stop	2023-08-24 08:57:03	
Duration	00:15:00.0	
Run Time	00:15:00.0	
Pause	00:00:00.0	
Pre-Calibration	2023-08-24 08:17:53	
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	145.2 dB			
	A	**C**	**Z**	
Under Range Peak	**101.2**	98.2	103.2 dB	
Under Range Limit	**38.3**	38.0	45.1 dB	
Noise Floor	29.2	28.9	35.9 dB	
	First	**Second**	**Third**	
Instrument Identification		626 Wilshire Blvd., Ste. 1100	Los Angeles, CA 90017	

Results

LASeq	72.6		
LASE	102.1		
EAS	1.818	mPa²h	
EAS8	58.174	mPa²h	
EAS40	290.872	mPa²h	
LApeak (max)	2023-08-24 08:55:32	106.3	dB
LASmax	2023-08-24 08:55:32	83.9	dB
LASmin	2023-08-24 08:50:19	52.5	dB
SEA	-99.9	dB	

	Exceedance Counts	**Duration**	
LAS > 85.0 dB	0	0.0	s
LAS > 115.0 dB	0	0.0	s
LApeak > 135.0 dB	0	0.0	s
LApeak > 137.0 dB	0	0.0	s
LApeak > 140.0 dB	0	0.0	s

LCSeq	78.3	dB
LASeq	72.6	dB
LCSeq - LASeq	5.7	dB
LAleq	75.2	dB
LAeq	72.6	dB
LAleq - LAeq	2.6	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	72.6					
LS(max)	83.9	2023/08/24 8:55:32				
LS(min)	52.5	2023/08/24 8:50:19				
LPeak(max)	106.3	2023/08/24 8:55:32				

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	0.10	%
TWA (Projected)	-99.9	40.5	dB
TWA (t)	-99.9	15.5	dB
Lep (t)	57.5	57.5	dB

Statistics

LAS 5.00	77.0	dB
LAS 10.00	76.1	dB
LAS 33.30	73.4	dB
LAS 50.00	71.3	dB
LAS 66.60	68.0	dB
LAS 90.00	61.7	dB

Summary

File Name on Meter	LxT_Data.249.s
File Name on PC	LxT_0004983-20230824 092052-LxT_Data.249.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24 09:20:52	
Stop	2023-08-24 09:35:52	
Duration	00:15:00.0	
Run Time	00:15:00.0	
Pause	00:00:00.0	
Pre-Calibration	2023-08-24 08:19:54	
Post-Calibration	None	
Calibration Deviation	---	

Overall Settings

RMS Weight	A Weighting			
Peak Weight	Z Weighting			
Detector	Slow			
Preamplifier	PRMLxT1			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	143.3 dB			
	A	**C**	**Z**	
Under Range Peak	99.3	96.3	**101.3**	dB
Under Range Limit	**36.6**	36.2	43.2	dB
Noise Floor	27.4	27.1	34.1	dB

	First	**Second**	**Third**
Instrument Identification			

Results

LASeq	69.5			
LASE	99.1			
EAS	893.732	µPa²h		
EAS8	28.599	mPa²h		
EAS40	142.997	mPa²h		
LZpeak (max)	2023-08-24 09:32:18		102.0	dB
LASmax	2023-08-24 09:32:19		84.1	dB
LASmin	2023-08-24 09:26:24		48.4	dB
SEA	-99.9	dB		

	Exceedance Counts	**Duration**	
LAS > 85.0 dB	0	0.0	s
LAS > 115.0 dB	0	0.0	s
LZpeak > 135.0 dB	0	0.0	s
LZpeak > 137.0 dB	0	0.0	s
LZpeak > 140.0 dB	0	0.0	s

LCSeq	75.2	dB
LASeq	69.5	dB
LCSeq - LASeq	5.7	dB
LAIeq	70.8	dB
LAeq	69.5	dB
LAIeq - LAeq	1.2	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	69.5					
LS(max)	84.1	2023/08/24 9:32:19				
LS(min)	48.4	2023/08/24 9:26:24				
LPeak(max)					102.0	2023/08/24 9:32:18

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	0.00	%
Projected Dose	-99.94	0.11	%
TWA (Projected)	-99.9	40.6	dB
TWA (t)	-99.9	15.6	dB
Lep (t)	54.5	54.5	dB

Statistics

LAS 5.00	74.5	dB
LAS 10.00	73.1	dB
LAS 33.30	69.7	dB
LAS 50.00	67.3	dB
LAS 66.60	64.0	dB
LAS 90.00	55.4	dB

Summary

File Name on Meter	LxT_Data.267.s
File Name on PC	LxT_0004983-20231010 123844-LxT_Data.267.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2023-10-10 12:38:44
Stop	2023-10-10 12:53:44
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-10-10 09:41:43
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamplifier	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
Overload	145.2 dB

	A	**C**	**Z**
Under Range Peak	101.2	98.2	**103.2** dB
Under Range Limit	**38.4**	38.1	45.1 dB
Noise Floor	29.3	28.9	36.0 dB

	First	**Second**	**Third**
Instrument Identification			

Results

LA_{Seq}	72.6	
LASE	102.1	
EAS	1.802 mPa^2h	
EAS8	57.661 mPa^2h	
EAS40	288.303 mPa^2h	
$LZ_{peak\ (max)}$	2023-10-10 12:48:08	115.4 dB
LAS_{max}	2023-10-10 12:48:08	92.9 dB
LAS_{min}	2023-10-10 12:52:21	47.3 dB
SEA	-99.9 dB	

	Exceedance Counts	**Duration**
LAS > 85.0 dB	3	7.3 s
LAS > 115.0 dB	0	0.0 s
LZ_{peak} > 135.0 dB	0	0.0 s
LZ_{peak} > 137.0 dB	0	0.0 s
LZ_{peak} > 140.0 dB	0	0.0 s

LC_{Seq}	78.7 dB
LA_{Seq}	72.6 dB
LC_{Seq} - LA_{Seq}	6.1 dB
LAI_{eq}	77.5 dB
LA_{eq}	72.6 dB
LAI_{eq} - LA_{eq}	4.9 dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	72.6					
$L_{S(max)}$	92.9	2023/10/10 12:48:08				
$L_{S(min)}$	47.3	2023/10/10 12:52:21				
$L_{Peak(max)}$					115.4	2023/10/10 12:48:08

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	0.00	0.03 %
Projected Dose	0.14	0.88 %
TWA (Projected)	42.5	55.9 dB
TWA (t)	17.5	30.9 dB
Lep (t)	57.5	57.5 dB

Statistics

LAS 5.00	77.7 dB
LAS 10.00	76.0 dB
LAS 33.30	70.4 dB
LAS 50.00	66.6 dB
LAS 66.60	63.8 dB
LAS 90.00	57.6 dB

Summary

File Name on Meter	LxT_Data.251.s
File Name on PC	LxT_0004983-20230824 103622-LxT_Data.251.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24 10:36:22	
Stop	2023-08-24 10:51:22	
Duration	00:15:00.0	
Run Time	00:15:00.0	
Pause	00:00:00.0	
Pre-Calibration	2023-08-24 08:19:54	
Post-Calibration	None	
Calibration Deviation	---	

Overall Settings

RMS Weight	A Weighting				
Peak Weight	Z Weighting				
Detector	Slow				
Preamplifier	PRMLxT1				
Microphone Correction	Off				
Integration Method	Exponential				
Overload	143.3	dB			
	A		**C**	**Z**	
Under Range Peak	99.3		96.3	**101.3**	dB
Under Range Limit	**36.6**		36.2	43.2	dB
Noise Floor	27.4		27.1	34.1	dB
	First		**Second**	**Third**	
Instrument Identification					

Results

LASeq	59.6			
LASE	89.1			
EAS	90.715	µPa²h		
EAS8	2.903	mPa²h		
EAS40	14.514	mPa²h		
LZpeak (max)	2023-08-24 10:48:53		101.3	dB
LASmax	2023-08-24 10:48:53		77.9	dB
LASmin	2023-08-24 10:45:46		49.8	dB
SEA	-99.9	dB		

	Exceedance Counts	**Duration**	
LAS > 85.0 dB	0	0.0	s
LAS > 115.0 dB	0	0.0	s
LZpeak > 135.0 dB	0	0.0	s
LZpeak > 137.0 dB	0	0.0	s
LZpeak > 140.0 dB	0	0.0	s

LCSeq	69.0	dB
LASeq	59.6	dB
LCSeq - LASeq	9.4	dB
LAIeq	63.3	dB
LAeq	59.6	dB
LAIeq - LAeq	3.7	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	59.6					
LS(max)	77.9	2023/08/24 10:48:53				
LS(min)	49.8	2023/08/24 10:45:46				
LPeak(max)					101.3	2023/08/24 10:48:53

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)	44.5	44.5	dB

Statistics

LAS 5.00	65.4	dB
LAS 10.00	62.6	dB
LAS 33.30	56.3	dB
LAS 50.00	54.4	dB
LAS 66.60	53.0	dB
LAS 90.00	51.6	dB

Summary

File Name on Meter	LxT_Data.297.s
File Name on PC	LxT_0004285-20230824 112027-LxT_Data.297.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24 11:20:27	
Stop	2023-08-24 11:35:27	
Duration	00:15:00.0	
Run Time	00:15:00.0	
Pause	00:00:00.0	
Pre-Calibration	2023-08-24 08:17:51	
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	145.2 dB			
	A	**C**	**Z**	
Under Range Peak	**101.2**	98.2	103.2 dB	
Under Range Limit	**38.3**	38.0	45.1 dB	
Noise Floor	29.2	28.9	35.9 dB	
	First	**Second**	**Third**	
Instrument Identification		626 Wilshire Blvd., Ste. 1100	Los Angeles, CA 90017	

Results

LASeq	76.1		
LASE	105.6		
EAS	4.041	mPa²h	
EAS8	129.312	mPa²h	
EAS40	646.559	mPa²h	
LApeak (max)	2023-08-24 11:31:49	104.7	dB
LASmax	2023-08-24 11:34:49	90.5	dB
LASmin	2023-08-24 11:25:02	60.9	dB
SEA	-99.9	dB	

	Exceedance Counts	**Duration**
LAS > 85.0 dB	8	22.7 s
LAS > 115.0 dB	0	0.0 s
LApeak > 135.0 dB	0	0.0 s
LApeak > 137.0 dB	0	0.0 s
LApeak > 140.0 dB	0	0.0 s

LCSeq	83.7	dB
LASeq	76.1	dB
LCSeq - LASeq	7.6	dB
LAleq	77.9	dB
LAeq	76.1	dB
LAleq - LAeq	1.8	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	76.1					
LS(max)	90.5	2023/08/24 11:34:49				
LS(min)	60.9	2023/08/24 11:25:02				
LPeak(max)	104.7	2023/08/24 11:31:49				

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	0.00	0.11	%
Projected Dose	0.09	3.50	%
TWA (Projected)	39.5	65.8	dB
TWA (t)	14.5	40.8	dB
Lep (t)	61.0	61.0	dB

Statistics

LAS 5.00	82.1	dB
LAS 10.00	79.1	dB
LAS 33.30	74.5	dB
LAS 50.00	72.2	dB
LAS 66.60	69.7	dB
LAS 90.00	65.9	dB

Summary

File Name on Meter	LxT_Data.298.s
File Name on PC	LxT_0004285-20230824 114904-LxT_Data.298.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2023-08-24 11:49:04
Stop	2023-08-24 12:04:04
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-08-24 08:17:51
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	145.2 dB

	A	**C**	**Z**
Under Range Peak	**101.2**	98.2	103.2 dB
Under Range Limit	**38.3**	38.0	45.1 dB
Noise Floor	29.2	28.9	35.9 dB

	First	**Second**	**Third**
Instrument Identification		626 Wilshire Blvd., Ste. 1100	Los Angeles, CA 90017

Results

LA_{Seq}	77.1	
LASE	106.6	
EAS	5.096	mPa²h
EAS8	163.073	mPa²h
EAS40	815.363	mPa²h
$LA_{peak\ (max)}$	2023-08-24 11:53:32	103.4 dB
LAS_{max}	2023-08-24 12:02:45	86.0 dB
LAS_{min}	2023-08-24 11:58:01	70.4 dB
SEA	-99.9	dB

	Exceedance Counts	**Duration**
LAS > 85.0 dB	3	6.3 s
LAS > 115.0 dB	0	0.0 s
LA_{peak} > 135.0 dB	0	0.0 s
LA_{peak} > 137.0 dB	0	0.0 s
LA_{peak} > 140.0 dB	0	0.0 s

LC_{Seq}	83.3	dB
LA_{Seq}	77.1	dB
LC_{Seq} - LA_{Seq}	6.2	dB
LAI_{eq}	78.1	dB
LA_{eq}	77.1	dB
LAI_{eq} - LA_{eq}	1.0	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	77.1					
$L_{S(max)}$	86.0	2023/08/24 12:02:45				
$L_{S(min)}$	70.4	2023/08/24 11:58:01				
$L_{Peak(max)}$	103.4	2023/08/24 11:53:32				

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	0.07 %
Projected Dose	-99.94	2.27 %
TWA (Projected)	-99.9	62.7 dB
TWA (t)	-99.9	37.7 dB
Lep (t)	62.0	62.0 dB

Statistics

LAS 5.00	80.6	dB
LAS 10.00	79.4	dB
LAS 33.30	77.1	dB
LAS 50.00	76.3	dB
LAS 66.60	75.2	dB
LAS 90.00	73.4	dB

Summary

File Name on Meter	LxT_Data.268.s
File Name on PC	LxT_0004983-20231010 131744-LxT_Data.268.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2023-10-10 13:17:44
Stop	2023-10-10 13:32:44
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2023-10-10 09:41:43
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	Z Weighting
Detector	Slow
Preamplifier	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
Overload	145.2 dB

	A	**C**	**Z**
Under Range Peak	101.2	98.2	**103.2** dB
Under Range Limit	**38.4**	38.1	45.1 dB
Noise Floor	29.3	28.9	36.0 dB

	First	**Second**	**Third**
Instrument Identification			

Results

LA_{Seq}	74.0	
LASE	103.5	
EAS	2.509 mPa^2h	
EAS8	80.283 mPa^2h	
EAS40	401.417 mPa^2h	
$LZ_{peak\ (max)}$	2023-10-10 13:23:16	103.6 dB
LAS_{max}	2023-10-10 13:23:01	83.0 dB
LAS_{min}	2023-10-10 13:24:59	51.8 dB
SEA	-99.9 dB	

	Exceedance Counts	**Duration**
LAS > 85.0 dB	0	0.0 s
LAS > 115.0 dB	0	0.0 s
LZ_{peak} > 135.0 dB	0	0.0 s
LZ_{peak} > 137.0 dB	0	0.0 s
LZ_{peak} > 140.0 dB	0	0.0 s

LC_{Seq}	77.3 dB
LA_{Seq}	74.0 dB
LC_{Seq} - LA_{Seq}	3.4 dB
LAI_{eq}	76.0 dB
LA_{eq}	74.0 dB
LAI_{eq} - LA_{eq}	2.0 dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	74.0					
$L_{S(max)}$	83.0	2023/10/10 13:23:01				
$L_{S(min)}$	51.8	2023/10/10 13:24:59				
$L_{Peak(max)}$					103.6	2023/10/10 13:23:16

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	0.31 %
TWA (Projected)	-99.9	48.4 dB
TWA (t)	-99.9	23.4 dB
Lep (t)	58.9	58.9 dB

Statistics

LAS 5.00	78.0 dB
LAS 10.00	77.2 dB
LAS 33.30	74.8 dB
LAS 50.00	73.2 dB
LAS 66.60	70.9 dB
LAS 90.00	65.1 dB

Summary

File Name on Meter	LxT_Data.253.s
File Name on PC	LxT_0004983-20230824 112308-LxT_Data.253.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24 11:23:08	
Stop	2023-08-24 11:38:08	
Duration	00:15:00.0	
Run Time	00:15:00.0	
Pause	00:00:00.0	
Pre-Calibration	2023-08-24 08:19:54	
Post-Calibration	None	
Calibration Deviation	---	

Overall Settings

RMS Weight	A Weighting				
Peak Weight	Z Weighting				
Detector	Slow				
Preamplifier	PRMLxT1				
Microphone Correction	Off				
Integration Method	Exponential				
Overload	143.3	dB			
	A		**C**	**Z**	
Under Range Peak	99.3		96.3	**101.3**	dB
Under Range Limit	**36.6**		36.2	43.2	dB
Noise Floor	27.4		27.1	34.1	dB
	First		**Second**	**Third**	
Instrument Identification					

Results

LASeq	60.1			
LASE	89.6			
EAS	102.056	µPa²h		
EAS8	3.266	mPa²h		
EAS40	16.329	mPa²h		
LZpeak (max)	2023-08-24 11:24:38		97.7	dB
LASmax	2023-08-24 11:38:00		68.9	dB
LASmin	2023-08-24 11:27:33		54.7	dB
SEA	-99.9	dB		

	Exceedance Counts	**Duration**	
LAS > 85.0 dB	0	0.0	s
LAS > 115.0 dB	0	0.0	s
LZpeak > 135.0 dB	0	0.0	s
LZpeak > 137.0 dB	0	0.0	s
LZpeak > 140.0 dB	0	0.0	s

LCSeq	72.9	dB
LASeq	60.1	dB
LCSeq - LASeq	12.8	dB
LAleq	61.2	dB
LAeq	60.1	dB
LAleq - LAeq	1.1	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	60.1					
LS(max)	68.9	2023/08/24 11:38:00				
LS(min)	54.7	2023/08/24 11:27:33				
LPeak(max)					97.7	2023/08/24 11:24:38

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)	45.0	45.0	dB

Statistics

LAS 5.00	64.2	dB
LAS 10.00	62.8	dB
LAS 33.30	60.0	dB
LAS 50.00	58.8	dB
LAS 66.60	57.9	dB
LAS 90.00	56.3	dB

Summary

File Name on Meter	LxT_Data.254.s
File Name on PC	LxT_0004983-20230824 114418-LxT_Data.254.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24 11:44:18	
Stop	2023-08-24 11:59:18	
Duration	00:15:00.0	
Run Time	00:15:00.0	
Pause	00:00:00.0	
Pre-Calibration	2023-08-24 08:19:54	
Post-Calibration	None	
Calibration Deviation	---	

Overall Settings

RMS Weight	A Weighting				
Peak Weight	Z Weighting				
Detector	Slow				
Preamplifier	PRMLxT1				
Microphone Correction	Off				
Integration Method	Exponential				
Overload	143.3	dB			
	A		**C**	**Z**	
Under Range Peak	99.3		96.3	**101.3**	dB
Under Range Limit	**36.6**		36.2	43.2	dB
Noise Floor	27.4		27.1	34.1	dB
	First		**Second**	**Third**	
Instrument Identification					

Results

LASeq	57.9			
LASE	87.4			
EAS	61.387	µPa²h		
EAS8	1.964	mPa²h		
EAS40	9.822	mPa²h		
LZpeak (max)	2023-08-24 11:53:52		91.3	dB
LASmax	2023-08-24 11:53:59		71.7	dB
LASmin	2023-08-24 11:44:55		51.2	dB
SEA	-99.9	dB		

	Exceedance Counts	**Duration**	
LAS > 85.0 dB	0	0.0	s
LAS > 115.0 dB	0	0.0	s
LZpeak > 135.0 dB	0	0.0	s
LZpeak > 137.0 dB	0	0.0	s
LZpeak > 140.0 dB	0	0.0	s

LCSeq	69.9	dB
LASeq	57.9	dB
LCSeq - LASeq	12.0	dB
LAleq	59.5	dB
LAeq	57.9	dB
LAleq - LAeq	1.6	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	57.9					
LS(max)	71.7	2023/08/24 11:53:59				
LS(min)	51.2	2023/08/24 11:44:55				
LPeak(max)					91.3	2023/08/24 11:53:52

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)	42.8	42.8	dB

Statistics

LAS 5.00	63.4	dB
LAS 10.00	61.1	dB
LAS 33.30	55.7	dB
LAS 50.00	54.8	dB
LAS 66.60	54.0	dB
LAS 90.00	52.9	dB

Summary

File Name on Meter	LxT_Data.255.s
File Name on PC	LxT_0004983-20230824 120849-LxT_Data.255.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2023-08-24 12:08:49	
Stop	2023-08-24 12:23:49	
Duration	00:15:00.0	
Run Time	00:15:00.0	
Pause	00:00:00.0	
Pre-Calibration	2023-08-24 08:19:54	
Post-Calibration	None	
Calibration Deviation	---	

Overall Settings

RMS Weight	A Weighting			
Peak Weight	Z Weighting			
Detector	Slow			
Preamplifier	PRMLxT1			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	143.3 dB			
	A	**C**	**Z**	
Under Range Peak	99.3	96.3	**101.3**	dB
Under Range Limit	**36.6**	36.2	43.2	dB
Noise Floor	27.4	27.1	34.1	dB
	First	**Second**	**Third**	
Instrument Identification				

Results

LA_{eq}	59.5		
LASE	89.1		
EAS	89.979	µPa²h	
EAS8	2.879	mPa²h	
EAS40	14.397	mPa²h	
$LZ_{peak\ (max)}$	2023-08-24 12:19:29	94.0	dB
LAS_{max}	2023-08-24 12:11:05	76.7	dB
LAS_{min}	2023-08-24 12:13:27	46.9	dB
SEA	-99.9	dB	

	Exceedance Counts	**Duration**	
LAS > 85.0 dB	0	0.0	s
LAS > 115.0 dB	0	0.0	s
LZ_{peak} > 135.0 dB	0	0.0	s
LZ_{peak} > 137.0 dB	0	0.0	s
LZ_{peak} > 140.0 dB	0	0.0	s

LC_{eq}	58.8	dB
LA_{eq}	59.5	dB
LC_{eq} - LA_{eq}	-0.7	dB
LAI_{eq}	64.2	dB
LA_{eq}	59.5	dB
LAI_{eq} - LA_{eq}	4.7	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	59.5					
$L_{S(max)}$	76.7	2023/08/24 12:11:05				
$L_{S(min)}$	46.9	2023/08/24 12:13:27				
$L_{Peak(max)}$					94.0	2023/08/24 12:19:29

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)	44.5	44.5	dB

Statistics

LAS 5.00	65.5	dB
LAS 10.00	62.6	dB
LAS 33.30	56.2	dB
LAS 50.00	53.2	dB
LAS 66.60	50.9	dB
LAS 90.00	48.5	dB

Traffic Noise Modeling

Irwindale GPU Traffic Summary Tables
Existing plus Project

Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL)			
		Existing	Existing with Project	Increase over Existing	Significant Impact?
Arrow Hwy between Irwindale Ave & Vincent Ave	Commercial/Industrial	75.0	75.0	0.0	No
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale A	Commercial/Open Space/Industrial	73.5	73.6	0.1	No
Irwindale Ave between Arrow Hwy & Tapia St	Residential/Commercial/Industrial	71.8	71.8	0.1	No
Irwindale Ave between E Foothill Blvd & I-210 Fwy	Industrial/Commercial	74.4	74.4	0.0	No
Ramona Blvd between I-605 Fwy & Foster Ave	Residential/Commercial/Industrial	70.8	71.2	0.4	No

Irwindale GPU Traffic Summary Tables
Cumulative plus Project

		Traffic Noise Levels (dBA CNEL)			
Roadway Segment	**Existing Land Uses Located Along Roadway Segment**	**Future Year (2029)**	**Future Year (2029) + Project**	**Increase over Existing**	**Significant Impact?**
Arrow Hwy between Irwindale Ave & Vincent Ave	Commercial/Industrial	75.2	75.2	0.0	No
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	Commercial/Open Space/Industrial	73.7	73.8	0.1	No
Irwindale Ave between Arrow Hwy & Tapia St	Residential/Commercial/Industrial	71.9	72.0	0.1	No
Irwindale Ave between E Foothill Blvd & I-210 Fwy	Industrial/Commercial	74.6	74.6	0.0	No
Ramona Blvd between I-605 Fwy & Foster Ave	Residential/Commercial/Industrial	71.0	71.3	0.4	No

Irwindale GPU Traffic Summary Tables
Existing + Cumulative Year Project

Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL)				
		Existing	Future Year (2029) with Project	Increase over Existing	Significant Impact?	Project Increment
Arrow Hwy between Irwindale Ave & Vincent Ave	Commercial/Industrial	75.0	75.2	0.2	No	0.0
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	Commercial/Open Space/Industrial	73.5	73.8	0.2	No	0.1
Irwindale Ave between Arrow Hwy & Tapia St	Residential/Commercial/Industrial	71.8	72.0	0.2	No	0.1
Irwindale Ave between E Foothill Blvd & I-210 Fwy	Industrial/Commercial	74.4	74.6	0.2	No	0.0
Ramona Blvd between I-605 Fwy & Foster Ave	Residential/Commercial/Industrial	70.8	71.3	0.5	No	0.4

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Irwindale GPU
Analysis Scenario: Existing
Source of Traffic Volumes: LLG

Segment	Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL	Distance (feet) to Noise Level (dBA CNEL)		
			Auto	MT	HT	Auto	MT	HT			60	65	70
Arrow Hwy between Irwindale Ave & Vincent Ave	Hard	45	45	45	40	4278	88	44	74.7	75.0	1,430	455	145
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	Hard	45	45	45	40	3031	62	31	73.2	73.5	1,015	320	100
Irwindale Ave between Arrow Hwy & Tapia St	Hard	45	45	45	40	2013	42	21	71.5	71.8	675	215	65
Irwindale Ave between E Foothill Blvd & I-210 Fwy	Hard	45	45	45	40	3708	76	38	74.1	74.4	1,240	395	125
Ramona Blvd between I-605 Fwy & Foster Ave	Hard	45	40	40	35	2290	47	24	70.5	70.8	545	175	55

Irwindale GPU Traffic Segment Volumes

Roadway Segment	AM	PM	Max	Auto	MT	HT
Ramona Blvd between I-605 Fwy & Foster Ave	2,361	2,361	2,361	2,290	47	24
Arrow Hwy between Irwindale Ave & Vincent Ave	4,410	4,410	4,410	4,278	88	44
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	3,125	3,125	3,125	3,031	62	31
Irwindale Ave between E Foothill Blvd & I-210 Fwy	3,823	3,823	3,823	3,708	76	38
Irwindale Ave between Arrow Hwy & Tapia St	2,075	2,075	2,075	2,013	42	21

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Irwindale GPU
Analysis Scenario: Existing + Project
Source of Traffic Volumes: LLG

Segment	Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL	Distance (feet) to Noise Level (dBA CNEL)		
			Auto	MT	HT	Auto	MT	HT			60	65	70
Arrow Hwy between Irwindale Ave & Vincent Ave	Hard	45	45	45	40	4296	89	44	74.7	75.0	1,440	455	145
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	Hard	45	45	45	40	3098	64	32	73.3	73.6	1,035	330	105
Irwindale Ave between Arrow Hwy & Tapia St	Hard	45	45	45	40	2039	42	21	71.5	71.8	685	215	70
Irwindale Ave between E Foothill Blvd & I-210 Fwy	Hard	45	45	45	40	3726	77	38	74.1	74.4	1,245	395	125
Ramona Blvd between I-605 Fwy & Foster Ave	Hard	45	40	40	35	2488	51	26	70.9	71.2	595	190	60

Irwindale GPU Traffic Segment Volumes

Roadway Segment	AM	PM	Max	Auto	MT	HT
Ramona Blvd between I-605 Fwy & Foster Ave	2,565	2,565	2,565	2,488	51	26
Arrow Hwy between Irwindale Ave & Vincent Ave	4,429	4,429	4,429	4,296	89	44
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	3,193	3,193	3,193	3,098	64	32
Irwindale Ave between E Foothill Blvd & I-210 Fwy	3,841	3,841	3,841	3,726	77	38
Irwindale Ave between Arrow Hwy & Tapia St	2,103	2,103	2,103	2,039	42	21

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Irwindale GPU
Analysis Scenario: Future Baseline (2029)
Source of Traffic Volumes: LLG

Segment	Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
			Auto	MT	HT	Auto	MT	HT		
Arrow Hwy between Irwindale Ave & Vincent Ave	Hard	45	45	45	40	4433	91	46	74.9	75.2
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	Hard	45	45	45	40	3141	65	32	73.4	73.7
Irwindale Ave between Arrow Hwy & Tapia St	Hard	45	45	45	40	2086	43	22	71.6	71.9
Irwindale Ave between E Foothill Blvd & I-210 Fwy	Hard	45	45	45	40	3842	79	40	74.3	74.6
Ramona Blvd between I-605 Fwy & Foster Ave	Hard	45	40	40	35	2373	49	24	70.7	71.0

Irwindale GPU Traffic Segment Volumes

Roadway Segment	AM	PM	Max	Auto	MT	HT
Ramona Blvd between I-605 Fwy & Foster Ave	2,447	2,447	2,447	2,373	49	24
Arrow Hwy between Irwindale Ave & Vincent Ave	4,570	4,570	4,570	4,433	91	46
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	3,238	3,238	3,238	3,141	65	32
Irwindale Ave between E Foothill Blvd & I-210 Fwy	3,961	3,961	3,961	3,842	79	40
Irwindale Ave between Arrow Hwy & Tapia St	2,150	2,150	2,150	2,086	43	22

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Irwindale GPU
Analysis Scenario: Future + Project (2029)
Source of Traffic Volumes: LLG

Segment	Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL	Distance (feet) to Noise Level (dBA CNEL)		
			Auto	MT	HT	Auto	MT	HT			60	65	70
Arrow Hwy between Irwindale Ave & Vincent Ave	Hard	45	45	45	40	4451	92	46	74.9	75.2	1,490	470	150
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	Hard	45	45	45	40	3208	66	33	73.5	73.8	1,075	340	105
Irwindale Ave between Arrow Hwy & Tapia St	Hard	45	45	45	40	2113	44	22	71.7	72.0	705	225	70
Irwindale Ave between E Foothill Blvd & I-210 Fwy	Hard	45	45	45	40	3860	80	40	74.3	74.6	1,290	410	130
Ramona Blvd between I-605 Fwy & Foster Ave	Hard	45	40	40	35	2571	53	27	71.0	71.3	615	195	60

Irwindale GPU Traffic Segment Volumes

Roadway Segment	AM	PM	Max	Auto	MT	HT
Ramona Blvd between I-605 Fwy & Foster Ave	2,650	2,650	2,650	2,571	53	27
Arrow Hwy between Irwindale Ave & Vincent Ave	4,589	4,589	4,589	4,451	92	46
Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave	3,307	3,307	3,307	3,208	66	33
Irwindale Ave between E Foothill Blvd & I-210 Fwy	3,979	3,979	3,979	3,860	80	40
Irwindale Ave between Arrow Hwy & Tapia St	2,178	2,178	2,178	2,113	44	22