APPENDIX C:
NOISE DATA



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NOISE MONITORING DATA

Measurement Report

Report Summary

Meter's File Name	S_T_Data.014.s	Computer's File Name	LxT_0005425-20250416 124518-S_T_Data.014.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J R	Location	ST-1
Job Description	CLIV-05		
Note			

Start Time	2025-04-16 12:45:18	Duration	0:15:00.0		
End Time	2025-04-16 13:00:18	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-16 12:44:55	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	47.0 dB		
LAE	76.5 dB	SEA	--- dB
EA	5.0 µPa²h		
EA8	160.4 µPa²h		
EA40	801.9 µPa²h		
LZ_{peak}	98.6 dB	2025-04-16 12:53:10	
LAS_{max}	63.6 dB	2025-04-16 12:50:37	
LAS_{min}	40.0 dB	2025-04-16 12:49:37	
LA_{eq}	47.0 dB		
LC_{eq}	57.7 dB	LC_{eq} - LA_{eq}	10.7 dB
LAI_{eq}	51.6 dB	LAI_{eq} - LA_{eq}	4.6 dB



Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	47.0 dB		57.7 dB		--- dB	
$LS_{(max)}$	63.6 dB	2025-04-16 12:50:37	--- dB	None	--- dB	None
$LS_{(min)}$	40.0 dB	2025-04-16 12:49:37	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	98.6 dB	2025-04-16 12:53:10

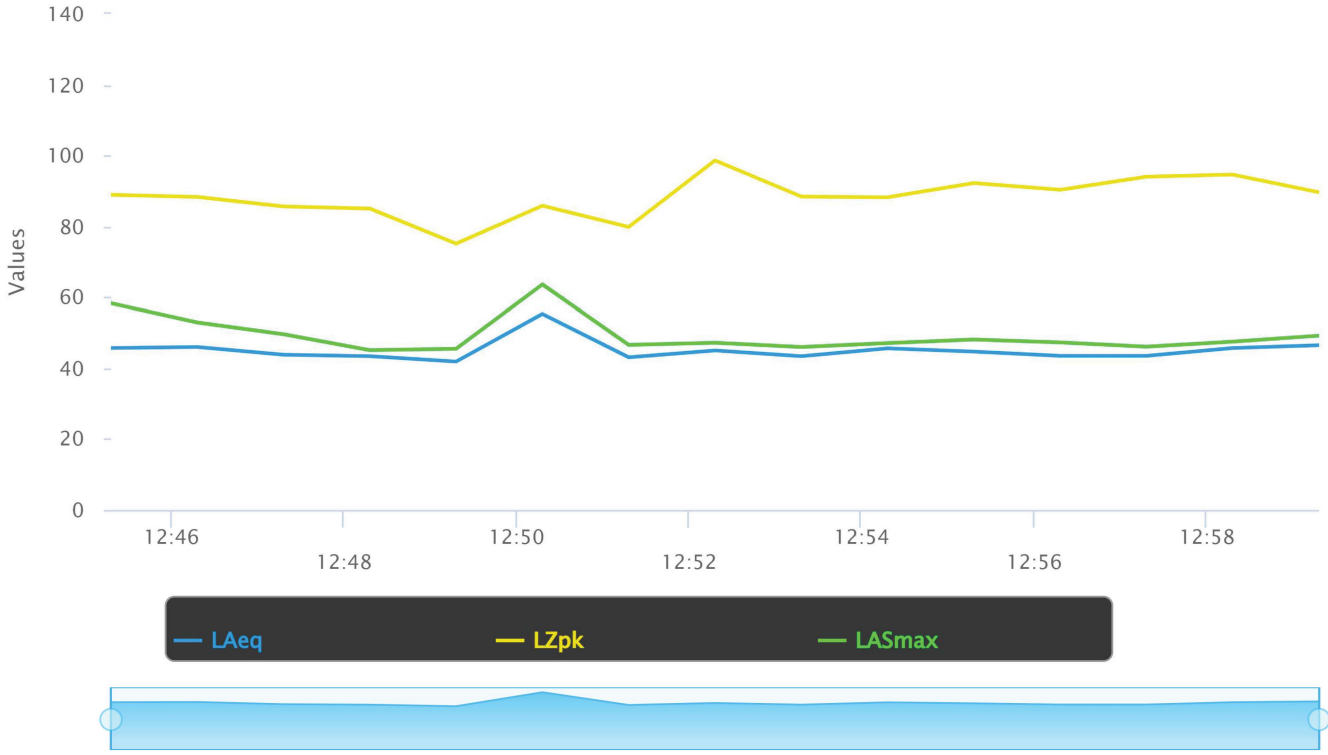
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	54.7 dB
LAS 8.0	47.9 dB
LAS 25.0	45.7 dB
LAS 50.0	44.5 dB
LAS 90.0	42.0 dB
LAS 99.0	40.4 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.020.s	Computer's File Name	LxT_0005425-20250417 112229-S_T_Data.020.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R.	Location	ST-2
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 11:22:29	Duration	0:15:00.0		
End Time	2025-04-17 11:37:29	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 09:27:27	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	55.5 dB		
LAE	85.0 dB	SEA	--- dB
EA	35.5 µPa²h		
EA8	1.1 mPa²h		
EA40	5.7 mPa²h		
LZ_{peak}	97.6 dB	2025-04-17 11:28:42	
LAS_{max}	69.7 dB	2025-04-17 11:34:41	
LAS_{min}	43.1 dB	2025-04-17 11:30:52	
LA_{eq}	55.5 dB		
LC_{eq}	66.1 dB	LC_{eq} - LA_{eq}	10.6 dB
LAI_{eq}	58.5 dB	LAI_{eq} - LA_{eq}	3.0 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	55.5 dB		66.1 dB		--- dB	
$LS_{(max)}$	69.7 dB	2025-04-17 11:34:41	--- dB	None	--- dB	None
$LS_{(min)}$	43.1 dB	2025-04-17 11:30:52	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	97.6 dB	2025-04-17 11:28:42

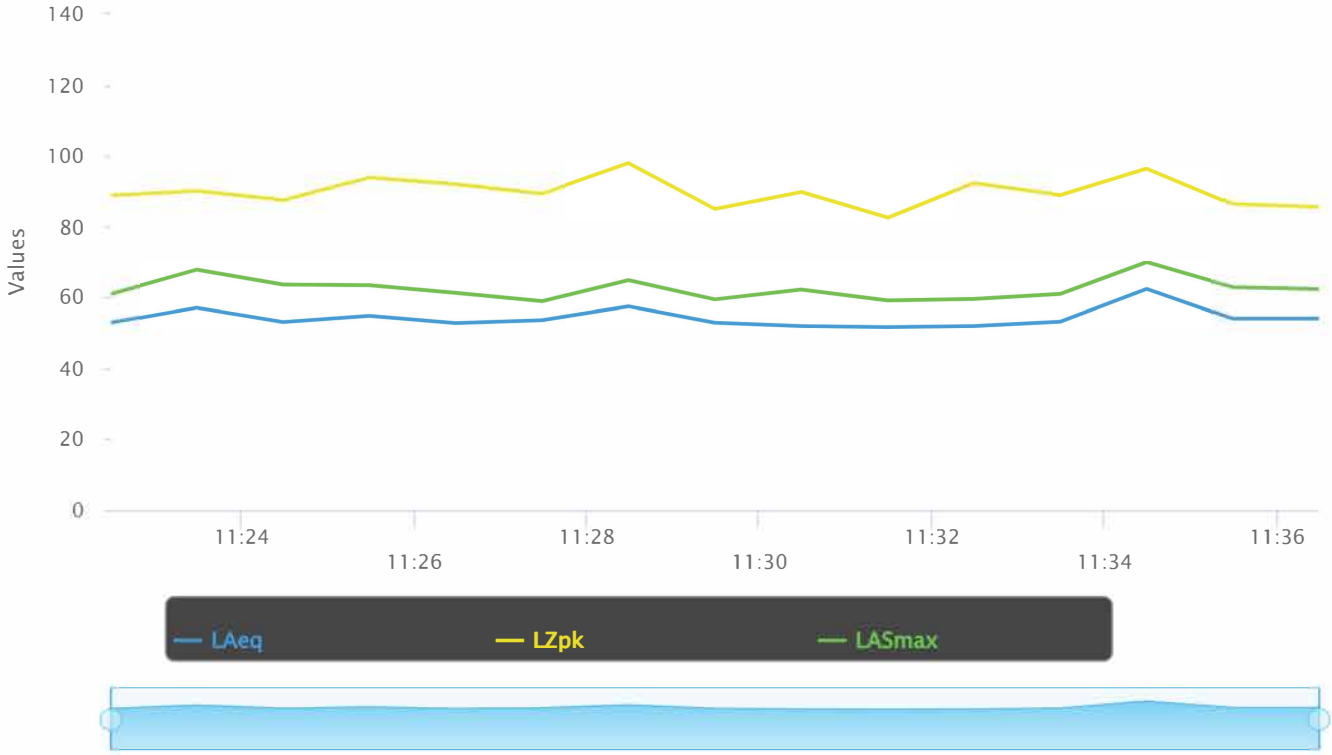
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	63.3 dB
LAS 8.0	59.3 dB
LAS 25.0	55.4 dB
LAS 50.0	51.1 dB
LAS 90.0	45.6 dB
LAS 99.0	43.5 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.019.s	Computer's File Name	S_T-3_Data.019.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R.	Location	ST-3
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 10:56:12	Duration	0:15:00.0		
End Time	2025-04-17 11:11:12	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 09:27:27	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	65.1 dB		
LAE	94.6 dB	SEA	--- dB
EA	323.6 µPa²h		
EA8	10.4 mPa²h		
EA40	51.8 mPa²h		
LZ_{peak}	102.2 dB	2025-04-17 10:56:12	
LAS_{max}	77.5 dB	2025-04-17 11:06:22	
LAS_{min}	42.5 dB	2025-04-17 10:56:40	
LA_{eq}	65.1 dB		
LC_{eq}	70.2 dB	LC_{eq} - LA_{eq}	5.1 dB
LAI_{eq}	66.8 dB	LAI_{eq} - LA_{eq}	1.7 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	65.1 dB		70.2 dB		--- dB	
$LS_{(max)}$	77.5 dB	2025-04-17 11:06:22	--- dB	None	--- dB	None
$LS_{(min)}$	42.5 dB	2025-04-17 10:56:40	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	102.2 dB	2025-04-17 10:56:12

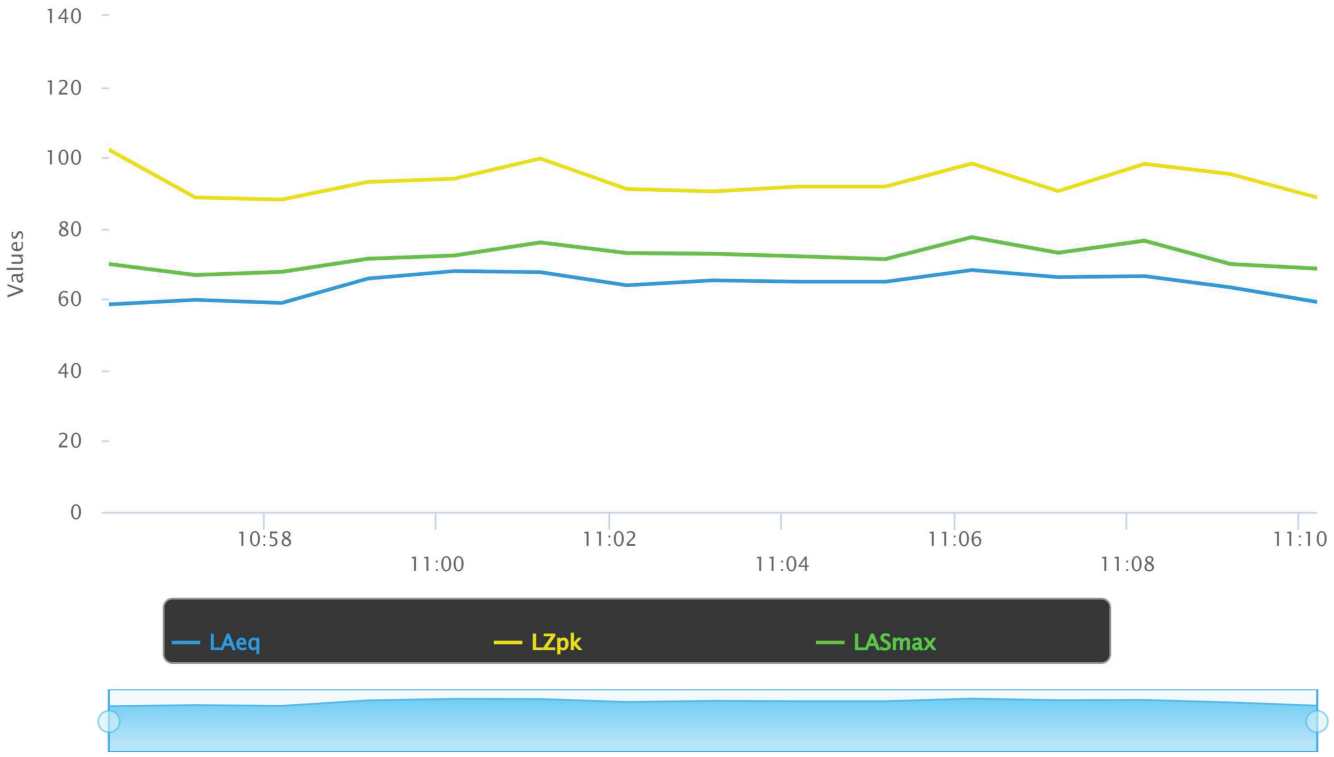
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	72.4 dB
LAS 8.0	70.2 dB
LAS 25.0	66.5 dB
LAS 50.0	59.7 dB
LAS 90.0	48.9 dB
LAS 99.0	44.7 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.016.s	Computer's File Name	LxT_0005425-20250417 092928-S_T_Data.016.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-4
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 09:29:28	Duration	0:15:00.0		
End Time	2025-04-17 09:44:28	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 09:27:27	Post-Calibration	None	Calibration Deviation	---



Results

Overall Metrics

LA_{eq}	52.4 dB		
LAE	81.9 dB	SEA	--- dB
EA	17.4 µPa²h		
EA8	556.1 µPa²h		
EA40	2.8 mPa²h		
LZ_{peak}	98.6 dB	2025-04-17 09:30:03	
LAS_{max}	70.4 dB	2025-04-17 09:40:02	
LAS_{min}	43.4 dB	2025-04-17 09:39:06	
LA_{eq}	52.4 dB		
LC_{eq}	59.3 dB	$LC_{eq} - LA_{eq}$	6.9 dB
LAI_{eq}	54.4 dB	$LAI_{eq} - LA_{eq}$	2.0 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	52.4 dB		59.3 dB		--- dB	
$LS_{(max)}$	70.4 dB	2025-04-17 09:40:02	--- dB	None	--- dB	None
$LS_{(min)}$	43.4 dB	2025-04-17 09:39:06	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	98.6 dB	2025-04-17 09:30:03

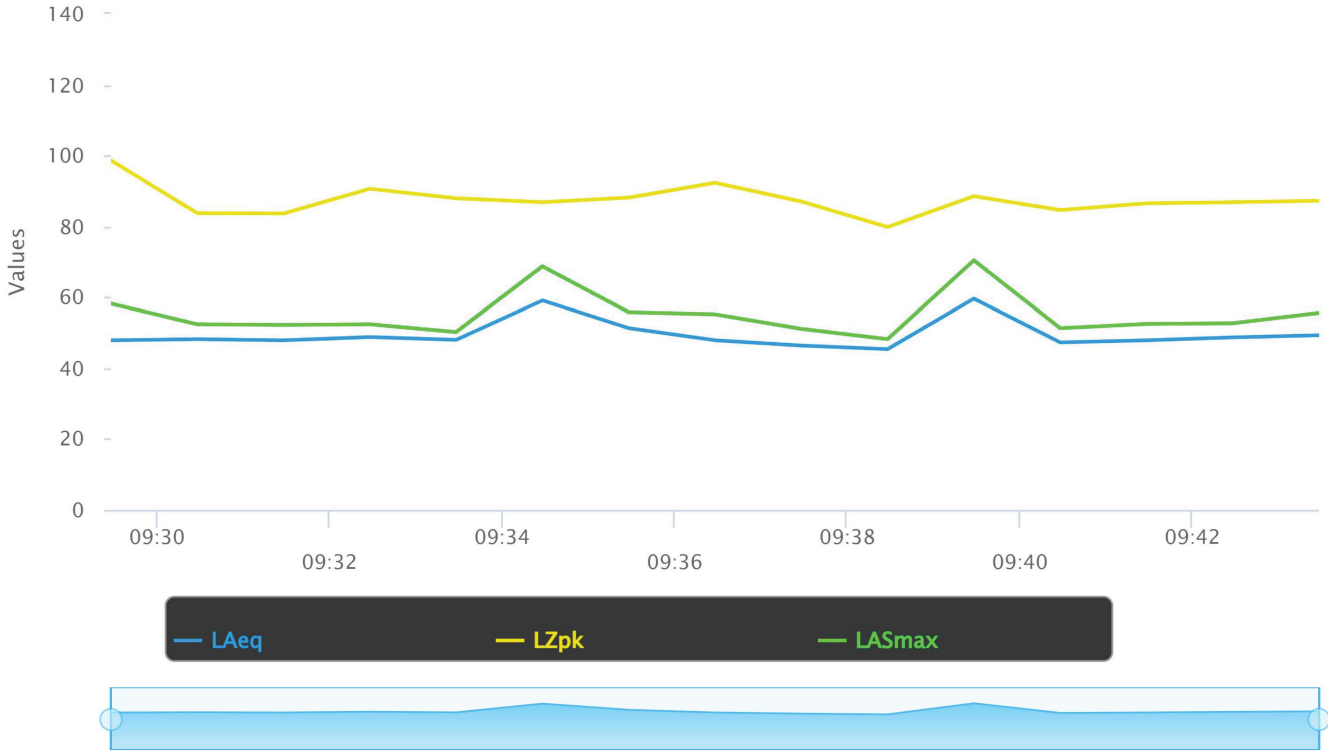
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	61.4 dB
LAS 8.0	51.6 dB
LAS 25.0	48.9 dB
LAS 50.0	47.4 dB
LAS 90.0	45.4 dB
LAS 99.0	44.0 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.021.s	Computer's File Name	S_T-5_Data.021.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R.	Location	ST-5
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 11:51:08	Duration	0:15:00.0		
End Time	2025-04-17 12:06:08	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 09:27:27	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	54.2 dB		
LAE	83.7 dB	SEA	--- dB
EA	26.3 µPa²h		
EA8	841.7 µPa²h		
EA40	4.2 mPa²h		
LZ_{peak}	95.7 dB	2025-04-17 12:06:01	
LAS_{max}	58.5 dB	2025-04-17 12:03:43	
LAS_{min}	50.7 dB	2025-04-17 11:57:42	
LA_{eq}	54.2 dB		
LC_{eq}	68.5 dB	LC_{eq} - LA_{eq}	14.3 dB
LAI_{eq}	56.6 dB	LAI_{eq} - LA_{eq}	2.4 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	54.2 dB		68.5 dB		--- dB	
$LS_{(max)}$	58.5 dB	2025-04-17 12:03:43	--- dB	None	--- dB	None
$LS_{(min)}$	50.7 dB	2025-04-17 11:57:42	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	95.7 dB	2025-04-17 12:06:01

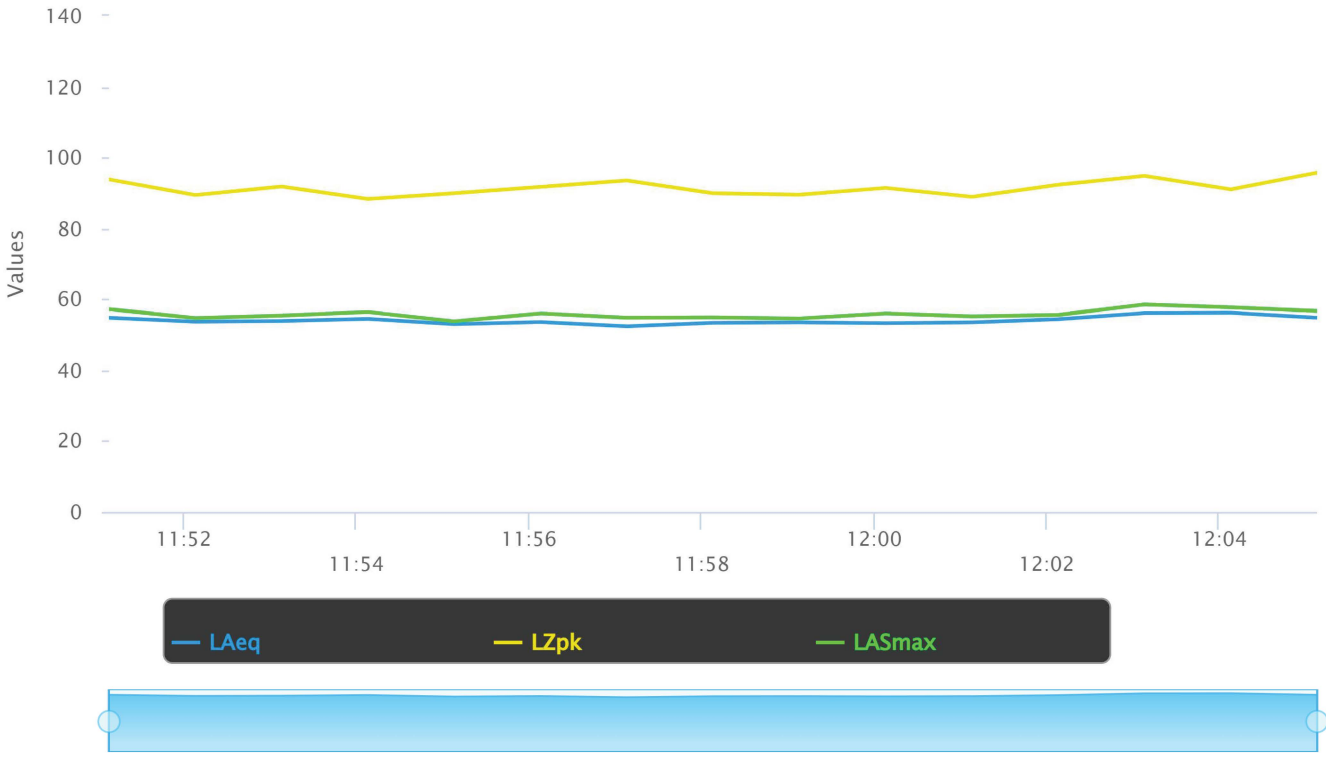
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	57.0 dB
LAS 8.0	56.0 dB
LAS 25.0	54.8 dB
LAS 50.0	53.8 dB
LAS 90.0	52.6 dB
LAS 99.0	51.6 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.017.s	Computer's File Name	S_T-6_Data.017.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-6
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 10:01:44	Duration	0:15:00.0		
End Time	2025-04-17 10:16:44	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 09:27:27	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	64.1 dB		
LAE	93.6 dB	SEA	--- dB
EA	257.0 µPa²h		
EA8	8.2 mPa²h		
EA40	41.1 mPa²h		
LZ_{peak}	102.6 dB	2025-04-17 10:08:27	
LAS_{max}	75.6 dB	2025-04-17 10:08:46	
LAS_{min}	46.2 dB	2025-04-17 10:02:54	
LA_{eq}	64.1 dB		
LC_{eq}	72.3 dB	LC_{eq} - LA_{eq}	8.2 dB
LAI_{eq}	66.4 dB	LAI_{eq} - LA_{eq}	2.3 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	64.1 dB		72.3 dB		--- dB	
$LS_{(max)}$	75.6 dB	2025-04-17 10:08:46	--- dB	None	--- dB	None
$LS_{(min)}$	46.2 dB	2025-04-17 10:02:54	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	102.6 dB	2025-04-17 10:08:27

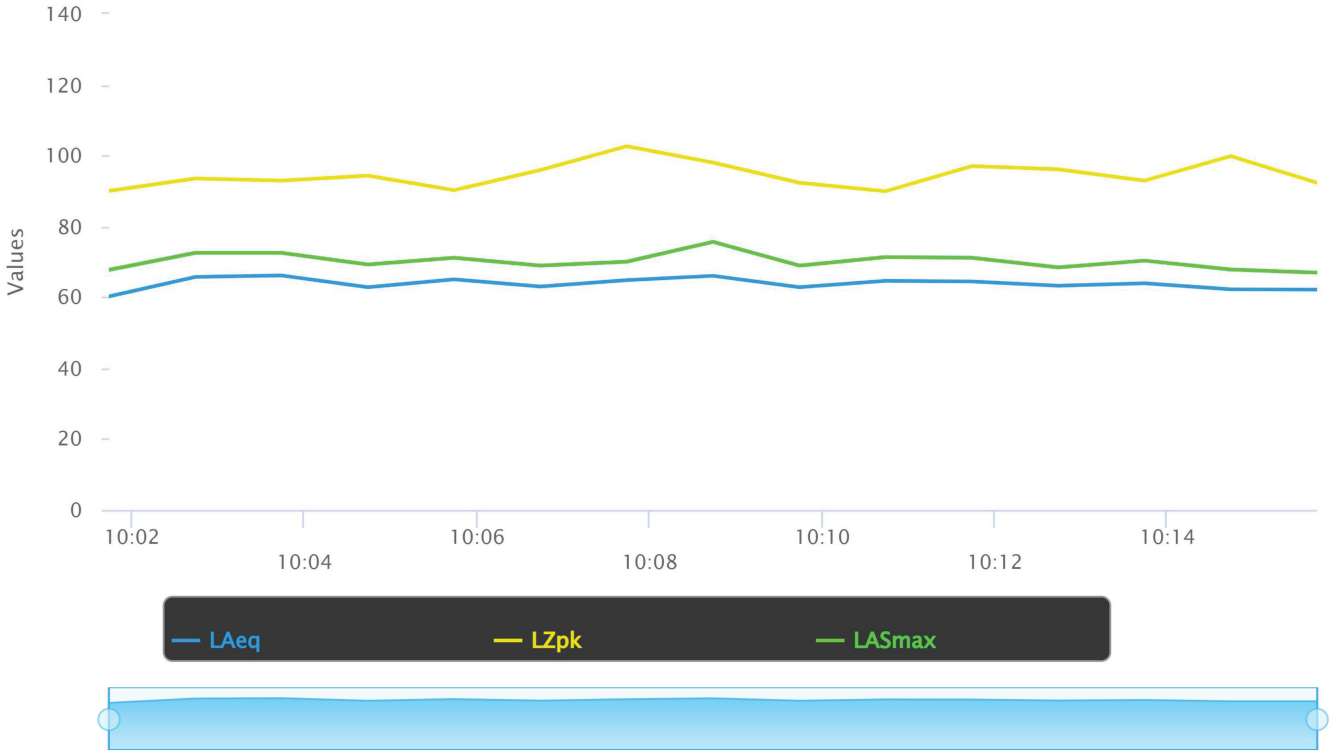
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	70.2 dB
LAS 8.0	68.3 dB
LAS 25.0	65.5 dB
LAS 50.0	62.3 dB
LAS 90.0	52.4 dB
LAS 99.0	47.3 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.022.s	Computer's File Name	S_T-7_Data.022.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-7
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 12:54:52	Duration	0:15:00.0		
End Time	2025-04-17 13:09:52	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 12:51:14	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	66.9 dB		
LAE	96.4 dB	SEA	--- dB
EA	489.8 µPa²h		
EA8	15.7 mPa²h		
EA40	78.4 mPa²h		
LZ_{peak}	110.1 dB	2025-04-17 13:06:03	
LAS_{max}	75.9 dB	2025-04-17 13:06:04	
LAS_{min}	49.5 dB	2025-04-17 13:08:44	
LA_{eq}	66.9 dB		
LC_{eq}	74.1 dB	LC_{eq} - LA_{eq}	7.2 dB
LAI_{eq}	68.6 dB	LAI_{eq} - LA_{eq}	1.7 dB



Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	66.9 dB		74.1 dB		--- dB	
$LS_{(max)}$	75.9 dB	2025-04-17 13:06:04	--- dB	None	--- dB	None
$LS_{(min)}$	49.5 dB	2025-04-17 13:08:44	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	110.1 dB	2025-04-17 13:06:03

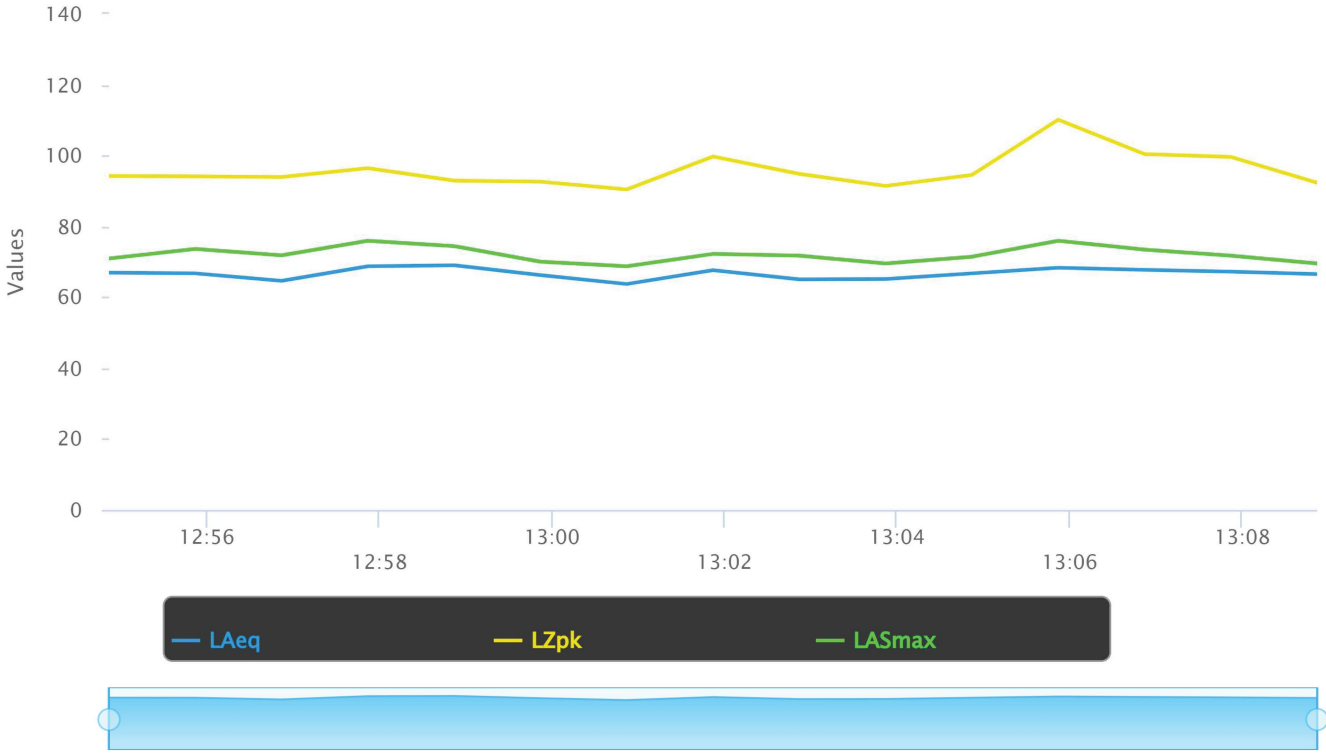
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	73.3 dB
LAS 8.0	71.1 dB
LAS 25.0	68.3 dB
LAS 50.0	65.3 dB
LAS 90.0	57.6 dB
LAS 99.0	52.1 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.018.s	Computer's File Name	S_T-8_Data.018.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-8
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 10:27:51	Duration	0:15:00.0		
End Time	2025-04-17 10:42:51	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 09:27:27	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	55.2 dB		
LAE	84.7 dB	SEA	--- dB
EA	33.1 µPa²h		
EA8	1.1 mPa²h		
EA40	5.3 mPa²h		
LZ_{peak}	102.9 dB	2025-04-17 10:33:11	
LAS_{max}	66.9 dB	2025-04-17 10:36:49	
LAS_{min}	40.8 dB	2025-04-17 10:28:01	
LA_{eq}	55.2 dB		
LC_{eq}	62.4 dB	LC_{eq} - LA_{eq}	7.2 dB
LAI_{eq}	57.1 dB	LAI_{eq} - LA_{eq}	1.9 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	55.2 dB		62.4 dB		--- dB	
$LS_{(max)}$	66.9 dB	2025-04-17 10:36:49	--- dB	None	--- dB	None
$LS_{(min)}$	40.8 dB	2025-04-17 10:28:01	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	102.9 dB	2025-04-17 10:33:11

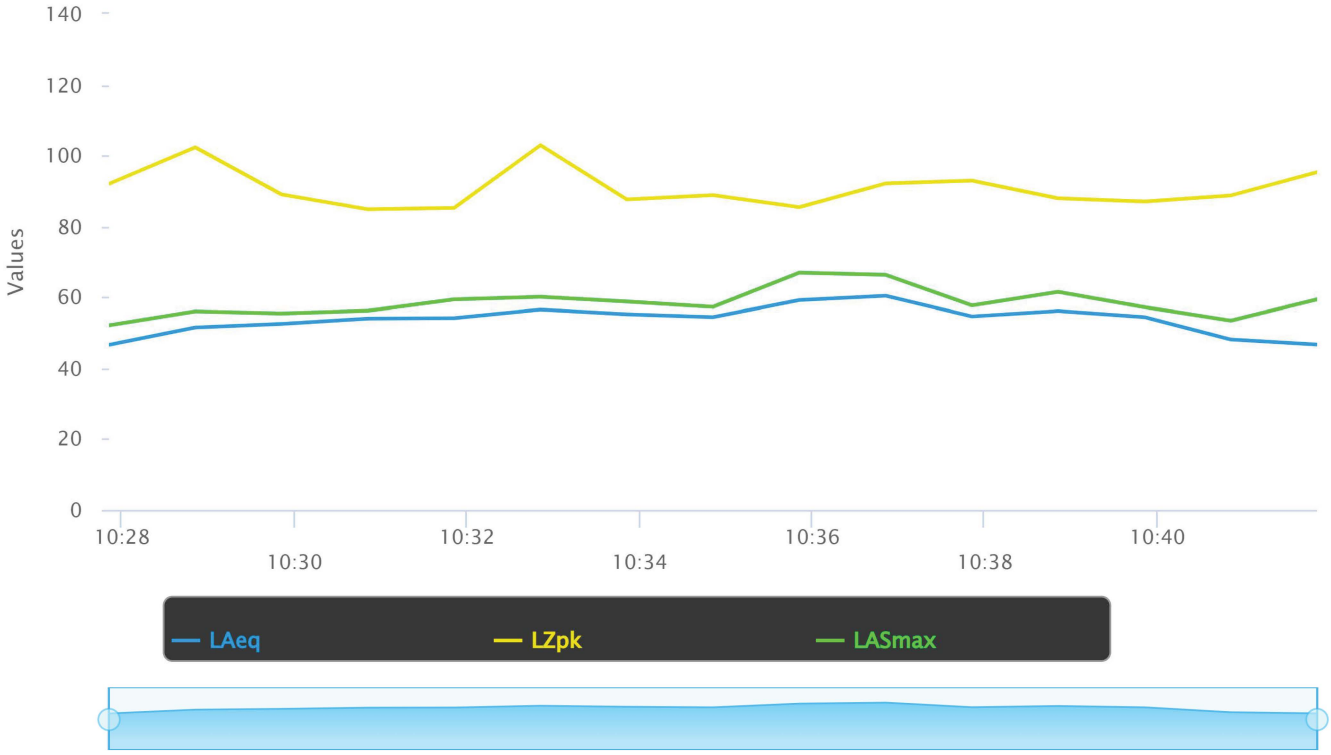
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	62.6 dB
LAS 8.0	58.6 dB
LAS 25.0	55.3 dB
LAS 50.0	53.6 dB
LAS 90.0	45.5 dB
LAS 99.0	42.3 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.026.s	Computer's File Name	S_T-9_Data.026.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-9
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 14:22:01	Duration	0:15:00.0		
End Time	2025-04-17 14:37:01	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 12:51:12	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	58.8 dB		
LAE	88.3 dB	SEA	--- dB
EA	75.9 µPa²h		
EA8	2.4 mPa²h		
EA40	12.1 mPa²h		
LZ_{peak}	96.9 dB	2025-04-17 14:33:07	
LAS_{max}	68.8 dB	2025-04-17 14:33:07	
LAS_{min}	51.7 dB	2025-04-17 14:35:42	
LA_{eq}	58.8 dB		
LC_{eq}	75.6 dB	LC_{eq} - LA_{eq}	16.8 dB
LAI_{eq}	62.7 dB	LAI_{eq} - LA_{eq}	3.9 dB



Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	58.8 dB		75.6 dB		--- dB	
$LS_{(max)}$	68.8 dB	2025-04-17 14:33:07	--- dB	None	--- dB	None
$LS_{(min)}$	51.7 dB	2025-04-17 14:35:42	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	96.9 dB	2025-04-17 14:33:07

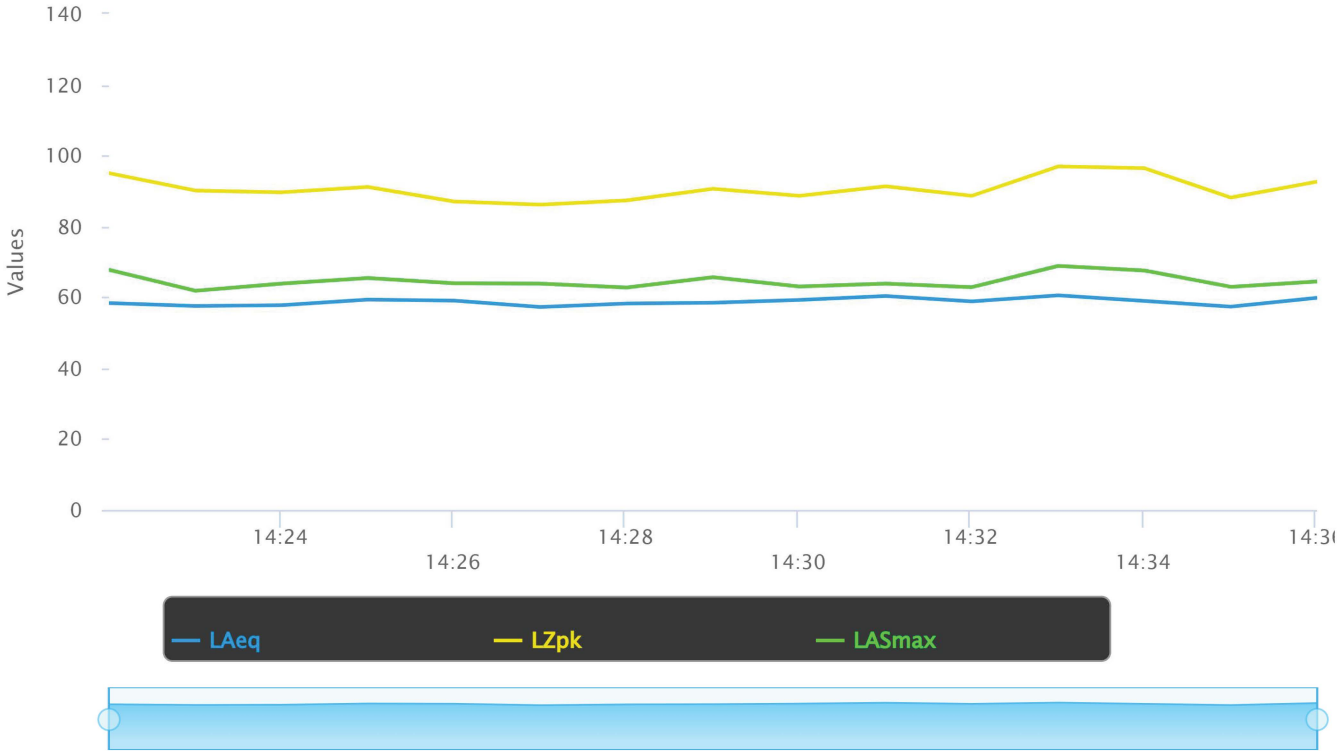
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	63.6 dB
LAS 8.0	62.3 dB
LAS 25.0	59.7 dB
LAS 50.0	57.4 dB
LAS 90.0	53.9 dB
LAS 99.0	52.3 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.028.s	Computer's File Name	S_T-10_Data.028.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-10
Job Description	CLIV-05		
Note			

Start Time	2025-04-18 09:34:07	Duration	0:15:00.0		
End Time	2025-04-18 09:49:07	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-18 09:29:47	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	66.0 dB		
LAE	95.5 dB	SEA	--- dB
EA	398.1 µPa²h		
EA8	12.7 mPa²h		
EA40	63.7 mPa²h		
LZ_{peak}	98.5 dB	2025-04-18 09:36:41	
LAS_{max}	77.5 dB	2025-04-18 09:34:16	
LAS_{min}	45.5 dB	2025-04-18 09:42:02	
LA_{eq}	66.0 dB		
LC_{eq}	71.1 dB	LC_{eq} - LA_{eq}	5.1 dB
LAI_{eq}	67.4 dB	LAI_{eq} - LA_{eq}	1.4 dB



Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	66.0 dB		71.1 dB		--- dB	
$LS_{(max)}$	77.5 dB	2025-04-18 09:34:16	--- dB	None	--- dB	None
$LS_{(min)}$	45.5 dB	2025-04-18 09:42:02	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	98.5 dB	2025-04-18 09:36:41

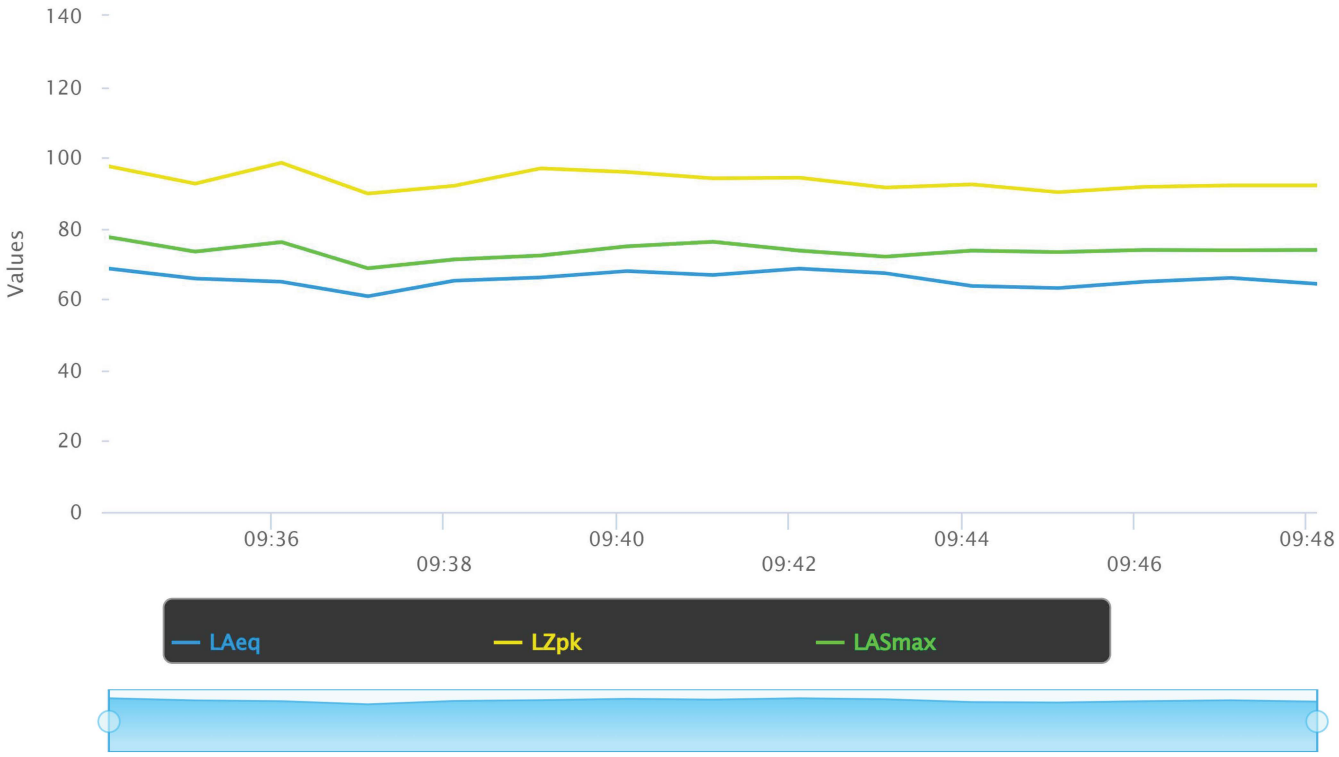
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	73.3 dB
LAS 8.0	71.2 dB
LAS 25.0	67.5 dB
LAS 50.0	61.3 dB
LAS 90.0	49.6 dB
LAS 99.0	46.2 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.029.s	Computer's File Name	S_T-11_Data.029.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-11
Job Description	CLIV-05		
Note			

Start Time	2025-04-18 10:22:36	Duration	0:15:00.0		
End Time	2025-04-18 10:37:36	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-18 09:29:45	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	56.8 dB		
LAE	86.3 dB	SEA	--- dB
EA	47.9 µPa²h		
EA8	1.5 mPa²h		
EA40	7.7 mPa²h		
LZ_{peak}	92.4 dB	2025-04-18 10:25:00	
LAS_{max}	71.8 dB	2025-04-18 10:28:05	
LAS_{min}	48.2 dB	2025-04-18 10:37:05	
LA_{eq}	56.8 dB		
LC_{eq}	69.2 dB	LC_{eq} - LA_{eq}	12.4 dB
LAI_{eq}	58.1 dB	LAI_{eq} - LA_{eq}	1.3 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	56.8 dB		69.2 dB		--- dB	
$LS_{(max)}$	71.8 dB	2025-04-18 10:28:05	--- dB	None	--- dB	None
$LS_{(min)}$	48.2 dB	2025-04-18 10:37:05	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	92.4 dB	2025-04-18 10:25:00

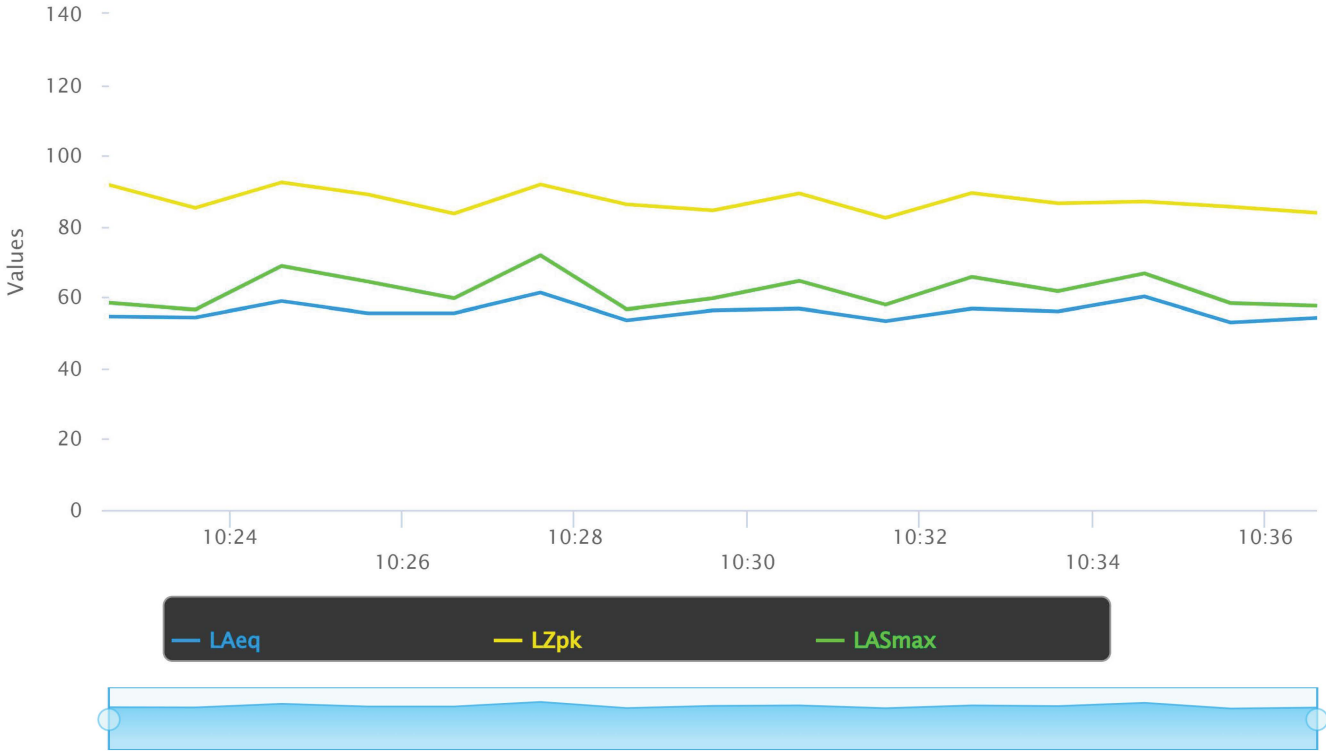
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	64.9 dB
LAS 8.0	59.3 dB
LAS 25.0	56.1 dB
LAS 50.0	54.5 dB
LAS 90.0	51.5 dB
LAS 99.0	49.8 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.030.s	Computer's File Name	LxT_0005425-20250418 105257-S_T_Data.030.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R.	Location	ST-12
Job Description	CLIV-05		
Note			

Start Time	2025-04-18 10:52:57	Duration	0:15:00.0		
End Time	2025-04-18 11:07:57	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-18 09:29:45	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	70.1 dB		
LAE	99.6 dB	SEA	--- dB
EA	1.0 mPa²h		
EA8	32.7 mPa²h		
EA40	163.7 mPa²h		
LZ_{peak}	101.2 dB	2025-04-18 11:06:25	
LAS_{max}	80.0 dB	2025-04-18 11:07:11	
LAS_{min}	45.5 dB	2025-04-18 11:01:02	
LA_{eq}	70.1 dB		
LC_{eq}	73.5 dB	LC_{eq} - LA_{eq}	3.4 dB
LAI_{eq}	71.3 dB	LAI_{eq} - LA_{eq}	1.2 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	70.1 dB		73.5 dB		--- dB	
$LS_{(max)}$	80.0 dB	2025-04-18 11:07:11	--- dB	None	--- dB	None
$LS_{(min)}$	45.5 dB	2025-04-18 11:01:02	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	101.2 dB	2025-04-18 11:06:25

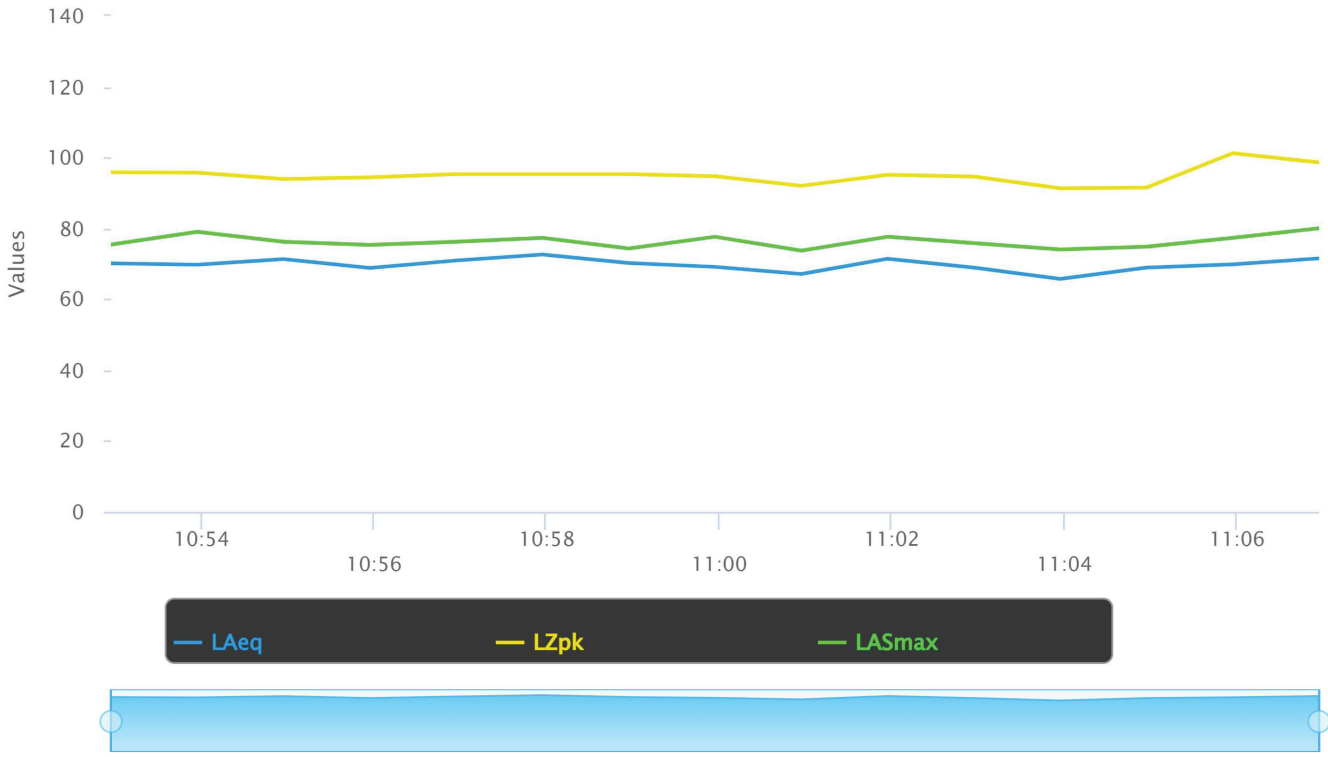
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	76.2 dB
LAS 8.0	74.0 dB
LAS 25.0	71.3 dB
LAS 50.0	68.6 dB
LAS 90.0	58.7 dB
LAS 99.0	48.6 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.027.s	Computer's File Name	S_T-13_Data.027.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-13
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 14:48:47	Duration	0:15:00.0		
End Time	2025-04-17 15:03:47	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 12:51:12	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	56.6 dB		
LAE	86.1 dB	SEA	--- dB
EA	45.7 µPa²h		
EA8	1.5 mPa²h		
EA40	7.3 mPa²h		
LZ_{peak}	91.3 dB	2025-04-17 14:55:30	
LAS_{max}	71.8 dB	2025-04-17 14:58:18	
LAS_{min}	48.0 dB	2025-04-17 15:03:46	
LA_{eq}	56.6 dB		
LC_{eq}	66.8 dB	LC_{eq} - LA_{eq}	10.2 dB
LAI_{eq}	58.2 dB	LAI_{eq} - LA_{eq}	1.6 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	56.6 dB		66.8 dB		--- dB	
$LS_{(max)}$	71.8 dB	2025-04-17 14:58:18	--- dB	None	--- dB	None
$LS_{(min)}$	48.0 dB	2025-04-17 15:03:46	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	91.3 dB	2025-04-17 14:55:30

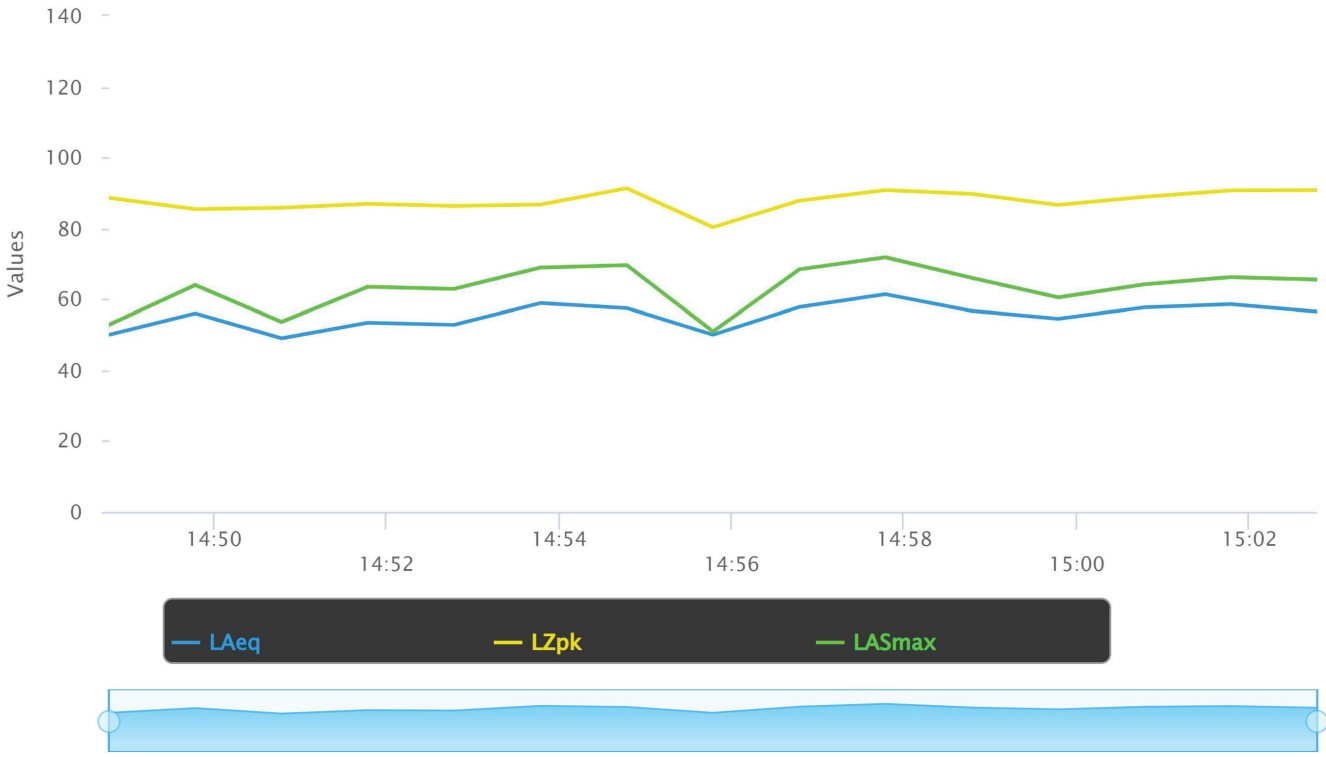
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	65.6 dB
LAS 8.0	61.5 dB
LAS 25.0	54.7 dB
LAS 50.0	50.9 dB
LAS 90.0	48.9 dB
LAS 99.0	48.3 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.024.s	Computer's File Name	LxT_0005425-20250417 132911-S_T_Data.024.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-14
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 13:29:11	Duration	0:15:00.0		
End Time	2025-04-17 13:44:11	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 12:51:12	Post-Calibration	None	Calibration Deviation	---

Results



Overall Metrics

LA_{eq}	59.4 dB		
LAE	88.9 dB	SEA	--- dB
EA	87.1 µPa²h		
EA8	2.8 mPa²h		
EA40	13.9 mPa²h		
LZ_{peak}	95.2 dB	2025-04-17 13:37:05	
LAS_{max}	71.9 dB	2025-04-17 13:32:30	
LAS_{min}	51.9 dB	2025-04-17 13:43:41	
LA_{eq}	59.4 dB		
LC_{eq}	69.0 dB	LC_{eq} - LA_{eq}	9.6 dB
LAI_{eq}	61.2 dB	LAI_{eq} - LA_{eq}	1.8 dB

Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	59.4 dB		69.0 dB		--- dB	
$LS_{(max)}$	71.9 dB	2025-04-17 13:32:30	--- dB	None	--- dB	None
$LS_{(min)}$	51.9 dB	2025-04-17 13:43:41	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	95.2 dB	2025-04-17 13:37:05

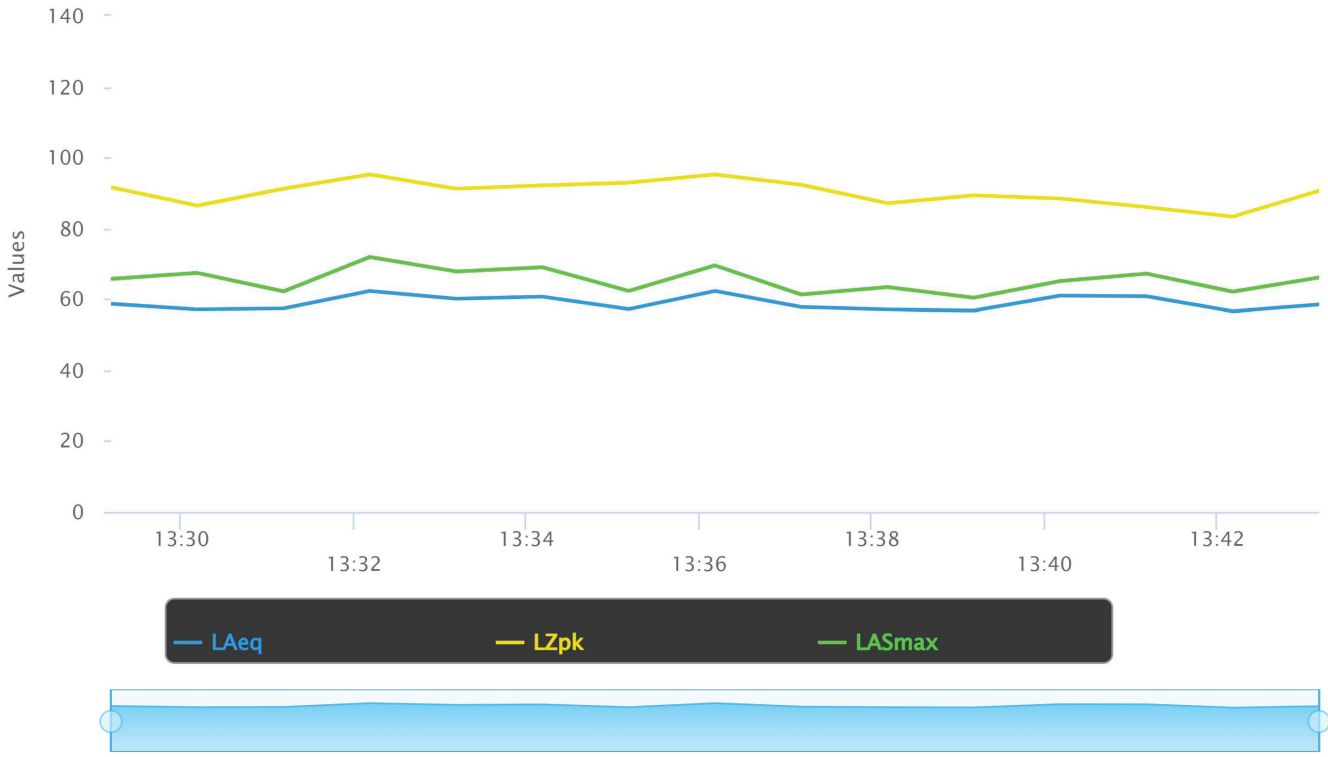
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	66.3 dB
LAS 8.0	62.8 dB
LAS 25.0	59.7 dB
LAS 50.0	57.3 dB
LAS 90.0	54.4 dB
LAS 99.0	52.6 dB

Time History



Measurement Report

Report Summary

Meter's File Name	S_T_Data.025.s	Computer's File Name	LxT_0005425-20250417 135711-S_T_Data.025.ldbin
Meter	LxT1 0005425	Firmware	2.404
User	J.R	Location	ST-15
Job Description	CLIV-05		
Note			

Start Time	2025-04-17 13:57:11	Duration	0:15:00.0		
End Time	2025-04-17 14:12:11	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-04-17 12:51:12	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	66.1 dB		
LAE	95.6 dB	SEA	--- dB
EA	407.4 µPa²h		
EA8	13.0 mPa²h		
EA40	65.2 mPa²h		
LZ_{peak}	106.1 dB	2025-04-17 14:06:42	
LAS_{max}	83.1 dB	2025-04-17 14:11:07	
LAS_{min}	50.0 dB	2025-04-17 13:59:40	
LA_{eq}	66.1 dB		
LC_{eq}	78.5 dB	$LC_{eq} - LA_{eq}$	12.4 dB
LAI_{eq}	68.0 dB	$LAI_{eq} - LA_{eq}$	1.9 dB



Exceedances

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

Community Noise

L_{DN}	L_{Day}	L_{Night}
--- dB	--- dB	0.0 dB

L_{DEN}	L_{Day}	L_{Eve}	L_{Night}
--- dB	--- dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	66.1 dB		78.5 dB		--- dB	
$LS_{(max)}$	83.1 dB	2025-04-17 14:11:07	--- dB	None	--- dB	None
$LS_{(min)}$	50.0 dB	2025-04-17 13:59:40	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	106.1 dB	2025-04-17 14:06:42

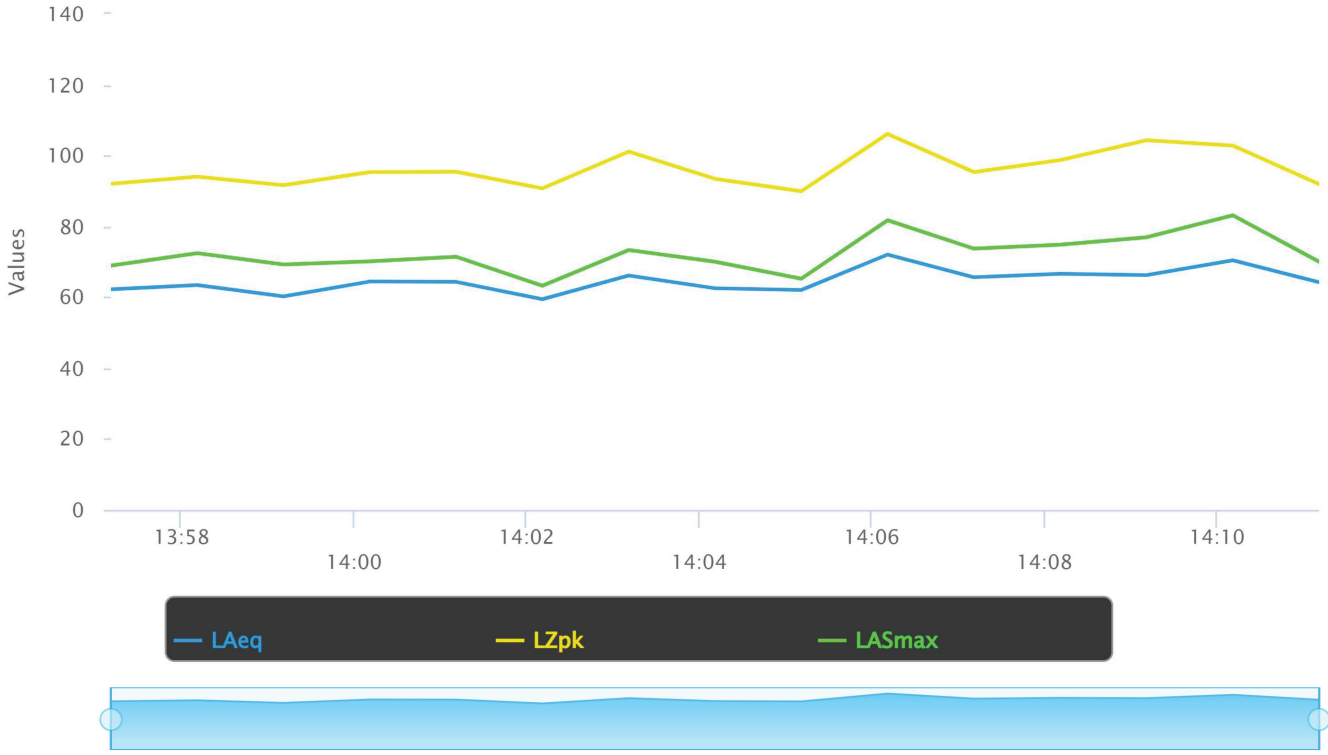
Overloads

Count	Duration
0	0:00:00.0

Statistics

LAS 2.0	73.4 dB
LAS 8.0	69.1 dB
LAS 25.0	64.5 dB
LAS 50.0	62.0 dB
LAS 90.0	57.9 dB
LAS 99.0	53.2 dB

Time History



Long-Term 24 Hour Continuous Noise Monitoring

Calculation Input Sheet

Project: **CLIV-05.0**

Date: **April 16-17, 2025**

Site: **LT-1**

	Hour	Leq	Lmax	L50	L90
1	10:00	68.0	92.0	55.0	51.2
2	11:00	54.8	66.9	52.3	49.4
3	12:00	54.9	71.2	52.0	49.6
4	13:00	58.3	79.9	54.5	50.1
5	14:00	55.5	69.1	52.8	49.7
6	15:00	57.3	67.5	56.5	50.6
7	16:00	57.1	72.4	55.2	51.0
8	17:00	58.6	85.5	54.7	50.1
9	18:00	55.7	75.2	52.4	49.5
10	19:00	54.6	70.5	50.7	48.4
11	20:00	53.9	74.2	51.1	49.1
12	21:00	53.4	72.4	50.6	48.7
13	22:00	52.2	73.1	50.0	48.0
14	23:00	52.8	72.1	51.3	48.8
15	0:00	50.2	63.7	49.1	46.1
16	1:00	50.8	62.6	49.8	46.7
17	2:00	51.7	61.6	51.1	48.2
18	3:00	55.0	67.7	54.4	51.7
19	4:00	56.6	67.2	56.0	54.3
20	5:00	55.0	67.8	54.1	51.1
21	6:00	55.6	68.4	53.9	51.8
22	7:00	58.2	76.1	55.7	53.6
23	8:00	58.9	77.6	56.1	49.0
24	9:00	56.3	79.4	49.0	45.6

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	60.0	76.1	53.9	50.0
Evening (7 p.m. - 9 p.m.)	54.0	72.4	50.8	48.7
Nighttime (9 p.m. - 7 a.m.)	53.8	67.1	52.2	49.6

Percentage of Energy

Daytime	80%
Evening	5%
Nighttime	15%

Calculated CNEL, dBA

61.8

Long-Term 24 Hour Continuous Noise Monitoring

Calculation Input Sheet

Project: **CLIV-05.0**

Date: **April 17-18, 2025**

Site: **LT-1**

	Hour	Leq	Lmax	L50	L90
1	10:00	55.6	71.3	51.8	48.3
2	11:00	54.2	77.4	46.7	43.6
3	12:00	55.0	72.3	48.9	45.9
4	13:00	60.0	89.1	51.2	46.8
5	14:00	56.2	72.1	51.0	46.2
6	15:00	56.9	72.0	53.6	47.5
7	16:00	56.5	77.5	52.1	46.3
8	17:00	57.0	79.7	52.7	47.5
9	18:00	56.8	82.1	52.8	49.0
10	19:00	53.3	65.0	49.9	46.0
11	20:00	53.1	70.1	49.8	47.2
12	21:00	53.9	70.3	51.4	49.4
13	22:00	50.4	69.4	48.7	47.0
14	23:00	49.5	65.1	47.7	45.4
15	0:00	47.7	65.7	45.4	43.1
16	1:00	48.0	63.3	46.6	44.0
17	2:00	48.1	60.3	47.3	45.0
18	3:00	53.2	66.0	52.7	50.3
19	4:00	54.7	68.7	54.1	52.0
20	5:00	54.9	67.4	54.5	50.9
21	6:00	55.7	78.7	50.4	48.9
22	7:00	55.8	72.6	50.8	49.2
23	8:00	58.6	76.8	55.3	48.3
24	9:00	57.8	76.3	54.9	48.1

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	57.0	76.6	51.8	47.2
Evening (7 p.m. - 9 p.m.)	53.4	68.5	50.4	47.5
Nighttime (9 p.m. - 7 a.m.)	52.4	67.2	49.7	47.4

Percentage of Energy

Daytime	73%
Evening	8%
Nighttime	19%

Calculated CNEL, dBA

59.9

Project: CLIV-05.0
User: JR
Location: LT-1

No.	Start Date	Start Time	End Time	Duration	Leq	Lmax	Lmin	L1	L2	L5	L8	L10	L25	L50	L90	L95	L99
1	4/16/2025	10:00 AM	11:00 AM	1:00	68.0	92.0	42.0	82.1	78.2	69.1	64.3	62.8	58.9	55.0	51.2	50.7	45.6
2	4/16/2025	11:00 AM	12:00 PM	1:00	54.8	66.9	46.2	62.9	61.8	60.2	59.1	58.4	54.8	52.3	49.4	48.8	48.0
3	4/16/2025	12:00 PM	1:00 PM	1:00	54.9	71.2	47.1	62.9	61.9	60.3	59.3	58.7	54.7	52.0	49.6	49.1	48.3
4	4/16/2025	1:00 PM	2:00 PM	1:00	58.3	79.9	47.2	66.5	64.5	62.3	61.4	61.0	58.5	54.5	50.1	49.4	48.1
5	4/16/2025	2:00 PM	3:00 PM	1:00	55.5	69.1	46.3	62.8	62.1	60.8	59.9	59.4	56.1	52.8	49.7	49.0	47.5
6	4/16/2025	3:00 PM	4:00 PM	1:00	57.3	67.5	46.7	63.5	62.6	61.4	60.8	60.4	58.7	56.5	50.6	49.6	48.3
7	4/16/2025	4:00 PM	5:00 PM	1:00	57.1	72.4	48.0	64.3	62.9	61.3	60.5	60.1	58.0	55.2	51.0	50.3	49.2
8	4/16/2025	5:00 PM	6:00 PM	1:00	58.6	85.5	47.8	64.4	62.8	61.1	60.2	59.8	57.7	54.7	50.1	49.5	48.7
9	4/16/2025	6:00 PM	7:00 PM	1:00	55.7	75.2	46.8	63.5	62.4	60.6	59.4	58.9	55.9	52.4	49.5	48.9	47.9
10	4/16/2025	7:00 PM	8:00 PM	1:00	54.6	70.5	46.6	63.3	61.8	59.8	58.7	58.1	54.8	50.7	48.4	48.0	47.4
11	4/16/2025	8:00 PM	9:00 PM	1:00	53.9	74.2	46.5	61.2	60.0	58.4	57.5	56.9	53.6	51.1	49.1	48.5	47.8
12	4/16/2025	9:00 PM	10:00 PM	1:00	53.4	72.4	46.5	62.1	60.9	58.5	57.2	56.3	52.2	50.6	48.7	48.2	47.4
13	4/16/2025	10:00 PM	11:00 PM	1:00	52.2	73.1	45.4	60.4	58.7	56.1	54.1	53.2	51.2	50.0	48.0	47.4	46.4
14	4/16/2025	11:00 PM	12:00 AM	1:00	52.8	72.1	45.4	59.8	57.9	55.7	54.8	54.4	52.7	51.3	48.8	48.1	46.7
15	4/17/2025	12:00 AM	1:00 AM	1:00	50.2	63.7	42.1	57.1	55.3	53.6	52.8	52.4	50.9	49.1	46.1	45.4	43.8
16	4/17/2025	1:00 AM	2:00 AM	1:00	50.8	62.6	41.3	56.4	55.5	54.2	53.6	53.3	51.6	49.8	46.7	45.8	44.1
17	4/17/2025	2:00 AM	3:00 AM	1:00	51.7	61.6	44.5	56.8	56.1	54.9	54.2	53.9	52.6	51.1	48.2	47.4	46.0
18	4/17/2025	3:00 AM	4:00 AM	1:00	55.0	67.7	47.8	59.9	58.9	57.8	57.3	56.9	55.7	54.4	51.7	51.0	49.6
19	4/17/2025	4:00 AM	5:00 AM	1:00	56.6	67.2	51.8	61.8	60.8	59.2	58.6	58.3	57.1	56.0	54.3	53.8	53.0
20	4/17/2025	5:00 AM	6:00 AM	1:00	55.0	67.8	48.5	61.4	60.2	58.4	57.3	56.9	55.3	54.1	51.1	50.6	49.9
21	4/17/2025	6:00 AM	7:00 AM	1:00	55.6	68.4	50.1	63.8	62.5	60.3	58.8	57.8	55.2	53.9	51.8	51.3	50.7
22	4/17/2025	7:00 AM	8:00 AM	1:00	58.2	76.1	51.9	65.6	64.3	62.7	61.8	61.3	58.3	55.7	53.6	53.2	52.5
23	4/17/2025	8:00 AM	9:00 AM	1:00	58.9	77.6	46.0	66.0	65.1	63.8	63.1	62.7	60.2	56.1	49.0	47.8	46.8
24	4/17/2025	9:00 AM	10:00 AM	1:00	56.3	79.4	43.6	65.5	64.1	62.0	60.8	60.2	55.2	49.0	45.6	45.1	44.5
25	4/17/2025	10:00 AM	11:00 AM	1:00	55.6	71.3	42.6	64.2	63.1	61.6	60.3	59.5	54.7	51.8	48.3	47.1	44.0
26	4/17/2025	11:00 AM	12:00 PM	1:00	54.2	77.4	41.1	64.0	62.5	60.5	59.3	58.4	51.4	46.7	43.6	43.1	42.0
27	4/17/2025	12:00 PM	1:00 PM	1:00	55.0	72.3	43.9	64.4	63.3	61.2	60.1	59.5	54.6	48.9	45.9	45.5	44.8
28	4/17/2025	1:00 PM	2:00 PM	1:00	60.0	89.1	43.8	65.0	63.6	61.7	60.6	60.0	56.1	51.2	46.8	46.1	44.9

29	4/17/2025	2:00 PM	3:00 PM	1:00	56.2	72.1	43.1	64.7	63.6	61.8	60.7	60.3	57.3	51.0	46.2	45.5	44.3
30	4/17/2025	3:00 PM	4:00 PM	1:00	56.9	72.0	44.3	64.8	63.6	62.0	61.2	60.8	58.3	53.6	47.5	46.6	45.5
31	4/17/2025	4:00 PM	5:00 PM	1:00	56.5	77.5	43.7	64.0	62.6	61.0	60.1	59.7	57.1	52.1	46.3	45.5	44.5
32	4/17/2025	5:00 PM	6:00 PM	1:00	57.0	79.7	42.7	65.9	62.9	60.8	59.7	59.2	56.5	52.7	47.5	46.3	44.4
33	4/17/2025	6:00 PM	7:00 PM	1:00	56.8	82.1	44.9	64.0	62.2	60.1	59.0	58.5	55.8	52.8	49.0	48.0	46.1
34	4/17/2025	7:00 PM	8:00 PM	1:00	53.3	65.0	43.5	61.3	60.3	58.6	57.7	57.2	54.1	49.9	46.0	45.3	44.6
35	4/17/2025	8:00 PM	9:00 PM	1:00	53.1	70.1	44.5	61.3	60.0	58.5	57.4	56.8	53.3	49.8	47.2	46.5	45.5
36	4/17/2025	9:00 PM	10:00 PM	1:00	53.9	70.3	46.0	63.1	61.2	58.6	57.1	56.3	53.1	51.4	49.4	49.0	48.0
37	4/17/2025	10:00 PM	11:00 PM	1:00	50.4	69.4	44.7	58.2	56.7	53.5	51.7	51.2	49.7	48.7	47.0	46.5	45.7
38	4/17/2025	11:00 PM	12:00 AM	1:00	49.5	65.1	41.1	59.6	57.4	52.7	50.9	50.4	48.9	47.7	45.4	44.7	43.3
39	4/18/2025	12:00 AM	1:00 AM	1:00	47.7	65.7	40.2	58.7	55.1	49.7	48.7	48.3	46.7	45.4	43.1	42.5	41.6
40	4/18/2025	1:00 AM	2:00 AM	1:00	48.0	63.3	39.5	56.8	54.0	50.7	49.7	49.3	47.9	46.6	44.0	43.3	42.0
41	4/18/2025	2:00 AM	3:00 AM	1:00	48.1	60.3	41.0	53.6	51.9	50.9	50.4	50.1	48.8	47.3	45.0	44.3	43.3
42	4/18/2025	3:00 AM	4:00 AM	1:00	53.2	66.0	46.1	57.7	56.7	55.9	55.4	55.1	54.0	52.7	50.3	49.7	48.1
43	4/18/2025	4:00 AM	5:00 AM	1:00	54.7	68.7	48.1	60.8	59.3	56.9	56.3	56.0	55.1	54.1	52.0	51.5	50.1
44	4/18/2025	5:00 AM	6:00 AM	1:00	54.9	67.4	48.2	61.3	59.8	57.8	57.0	56.7	55.6	54.5	50.9	50.3	49.3
45	4/18/2025	6:00 AM	7:00 AM	1:00	55.7	78.7	47.2	66.5	63.7	60.2	58.3	57.0	51.8	50.4	48.9	48.6	48.1
46	4/18/2025	7:00 AM	8:00 AM	1:00	55.8	72.6	46.7	65.7	64.2	61.6	60.0	59.2	53.9	50.8	49.2	48.7	47.6
47	4/18/2025	8:00 AM	9:00 AM	1:00	58.6	76.8	46.2	67.2	65.4	63.6	62.6	62.1	59.7	55.3	48.3	47.7	47.0
48	4/18/2025	9:00 AM	10:00 AM	1:00	57.8	76.3	45.2	64.5	63.7	62.7	62.0	61.7	59.3	54.9	48.1	47.3	46.3

Long-Term 24 Hour Continuous Noise Monitoring
Calculation Input Sheet

Project: **CLIV-05.0**
Date: **April 16-17, 2025**
Site: **LT-2**

	Hour	Leq	Lmax	L50	L90
1	11:00	70.9	84.6	69.9	53.9
2	12:00	59.4	77.2	55.6	51.2
3	13:00	73.5	84.1	72.7	60.2
4	14:00	76.7	84.9	63.7	56.4
5	15:00	71.3	99.3	60.7	55.9
6	16:00	71.5	98.4	61.0	55.9
7	17:00	71.8	99.0	59.9	55.2
8	18:00	66.6	90.1	58.3	52.4
9	19:00	63.2	87.8	56.9	50.8
10	20:00	58.7	79.5	54.4	48.2
11	21:00	56.9	77.3	49.0	45.8
12	22:00	63.7	96.3	47.9	44.0
13	23:00	50.1	71.5	44.3	42.4
14	0:00	55.3	83.7	43.6	40.9
15	1:00	54.1	71.6	44.9	39.5
16	2:00	56.0	85.5	41.1	39.6
17	3:00	42.5	64.8	40.3	38.8
18	4:00	49.3	69.7	43.2	40.3
19	5:00	69.8	100.0	46.3	42.4
20	6:00	64.6	94.6	52.1	46.3
21	7:00	63.4	86.3	55.1	48.1
22	8:00	67.9	96.1	58.4	52.2
23	9:00	59.5	82.7	54.4	48.7
24	10:00	60.6	82.1	54.8	49.9

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	70.7	88.7	60.4	53.3
Evening (7 p.m. - 9 p.m.)	60.4	81.5	53.4	48.3
Nighttime (9 p.m. - 7 a.m.)	62.5	82.0	44.9	41.6

Percentage of Energy

Daytime	88%
Evening	2%
Nighttime	10%

Calculated CNEL, dBA

71.1

Long-Term 24 Hour Continuous Noise Monitoring

Calculation Input Sheet

Project: **CLIV-05.0**

Date: **April 17-18, 2025**

Site: **LT-2**

	Hour	Leq	Lmax	L50	L90
1	11:00	59.8	77.3	55.9	51.4
2	12:00	58.8	76.3	54.8	49.4
3	13:00	58.8	75.2	55.5	50.8
4	14:00	61.6	82.6	57.2	50.7
5	15:00	65.1	90.9	58.4	52.1
6	16:00	71.9	98.1	59.1	51.7
7	17:00	72.4	100.8	58.2	51.5
8	18:00	78.9	107.6	59.8	52.7
9	19:00	64.8	93.3	56.0	48.4
10	20:00	59.1	85.7	52.9	47.8
11	21:00	56.5	76.4	50.9	47.9
12	22:00	54.8	74.1	49.2	47.4
13	23:00	53.6	79.4	46.3	42.6
14	0:00	55.6	72.3	45.9	41.8
15	1:00	45.0	69.2	40.7	38.8
16	2:00	42.6	61.9	39.4	38.0
17	3:00	44.9	67.7	39.8	37.8
18	4:00	48.4	67.9	42.3	40.0
19	5:00	62.4	94.7	48.2	43.4
20	6:00	72.3	104.0	50.9	45.7
21	7:00	65.8	96.2	54.9	48.9
22	8:00	66.4	95.8	58.2	51.7
23	9:00	61.3	78.9	57.8	51.1
24	10:00	59.0	77.3	55.1	49.1

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	70.3	88.1	57.1	50.9
Evening (7 p.m. - 9 p.m.)	61.5	85.1	53.3	48.0
Nighttime (9 p.m. - 7 a.m.)	63.4	76.8	44.7	41.7

Percentage of Energy

Daytime	84%
Evening	3%
Nighttime	13%

Calculated CNEL, dBA

71.5

Project: CLIV-05.0
User: JR
Location: LT-2

No.	Start Date	Start Time	End Time	Duration	Leq	Lmax	Lmin	L1	L2	L5	L8	L10	L25	L50	L90	L95	L99
1	4/16/2025	11:00 AM	12:00 PM	1:00	70.9	84.6	48.2	75.8	75.1	74.5	74.2	74.1	73.5	69.9	53.9	52.8	50.3
2	4/16/2025	12:00 PM	1:00 PM	1:00	59.4	77.2	48.0	70.1	68.0	64.8	62.7	61.9	58.6	55.6	51.2	50.3	49.1
3	4/16/2025	1:00 PM	2:00 PM	1:00	73.5	84.1	51.1	79.3	78.5	77.6	77.1	76.9	74.0	72.7	60.2	57.4	53.7
4	4/16/2025	2:00 PM	3:00 PM	1:00	76.7	84.9	51.2	84.1	83.8	82.6	82.1	81.8	80.2	63.7	56.4	54.6	52.4
5	4/16/2025	3:00 PM	4:00 PM	1:00	71.3	99.3	48.6	79.6	76.9	71.5	69.9	69.0	64.6	60.7	55.9	54.3	52.3
6	4/16/2025	4:00 PM	5:00 PM	1:00	71.5	98.4	51.6	78.4	72.5	68.8	67.0	66.5	63.7	61.0	55.9	54.8	53.3
7	4/16/2025	5:00 PM	6:00 PM	1:00	71.8	99.0	50.9	75.2	71.5	67.4	66.0	65.4	62.5	59.9	55.2	53.9	52.5
8	4/16/2025	6:00 PM	7:00 PM	1:00	66.6	90.1	48.0	76.7	71.7	67.6	65.6	64.6	61.3	58.3	52.4	51.2	49.6
9	4/16/2025	7:00 PM	8:00 PM	1:00	63.2	87.8	47.5	72.9	70.0	66.1	64.0	63.3	60.1	56.9	50.8	49.8	48.5
10	4/16/2025	8:00 PM	9:00 PM	1:00	58.7	79.5	44.8	68.3	66.4	63.6	62.3	61.7	58.9	54.4	48.2	47.4	46.5
11	4/16/2025	9:00 PM	10:00 PM	1:00	56.9	77.3	43.3	68.3	65.9	62.4	60.6	59.7	54.8	49.0	45.8	45.2	44.3
12	4/16/2025	10:00 PM	11:00 PM	1:00	63.7	96.3	41.7	67.1	63.8	60.9	59.2	58.3	53.8	47.9	44.0	43.3	42.4
13	4/16/2025	11:00 PM	12:00 AM	1:00	50.1	71.5	40.3	62.2	59.3	55.2	52.4	50.6	45.9	44.3	42.4	41.9	41.3
14	4/17/2025	12:00 AM	1:00 AM	1:00	55.3	83.7	39.3	68.0	63.8	56.8	53.4	51.3	45.9	43.6	40.9	40.5	39.8
15	4/17/2025	1:00 AM	2:00 AM	1:00	54.1	71.6	37.7	68.6	66.8	58.7	56.1	54.1	46.8	44.9	39.5	39.1	38.3
16	4/17/2025	2:00 AM	3:00 AM	1:00	56.0	85.5	37.9	62.5	55.5	47.1	45.1	44.4	42.3	41.1	39.6	39.3	38.8
17	4/17/2025	3:00 AM	4:00 AM	1:00	42.5	64.8	37.2	50.6	47.7	44.5	43.3	42.9	41.3	40.3	38.8	38.4	37.8
18	4/17/2025	4:00 AM	5:00 AM	1:00	49.3	69.7	37.8	62.0	59.5	54.5	49.6	48.1	45.4	43.2	40.3	39.7	38.7
19	4/17/2025	5:00 AM	6:00 AM	1:00	69.8	100.0	39.4	78.0	75.0	71.3	68.4	66.7	55.4	46.3	42.4	41.8	40.5
20	4/17/2025	6:00 AM	7:00 AM	1:00	64.6	94.6	42.0	74.7	69.8	66.9	64.5	63.4	58.5	52.1	46.3	45.1	43.7
21	4/17/2025	7:00 AM	8:00 AM	1:00	63.4	86.3	43.8	76.5	71.7	66.7	64.9	63.9	60.0	55.1	48.1	46.9	45.5
22	4/17/2025	8:00 AM	9:00 AM	1:00	67.9	96.1	46.3	74.1	71.2	65.8	64.3	63.6	61.2	58.4	52.2	50.5	48.2
23	4/17/2025	9:00 AM	10:00 AM	1:00	59.5	82.7	45.6	69.2	67.2	64.5	62.9	62.1	58.6	54.4	48.7	47.9	46.7
24	4/17/2025	10:00 AM	11:00 AM	1:00	60.6	82.1	46.0	72.2	68.7	65.2	63.5	62.7	59.0	54.8	49.9	49.0	47.7
25	4/17/2025	11:00 AM	12:00 PM	1:00	59.8	77.3	45.9	70.1	67.8	64.9	63.3	62.6	59.4	55.9	51.4	50.6	48.6
26	4/17/2025	12:00 PM	1:00 PM	1:00	58.8	76.3	46.1	68.5	66.4	63.8	62.6	62.0	58.8	54.8	49.4	48.4	47.2
27	4/17/2025	1:00 PM	2:00 PM	1:00	58.8	75.2	47.2	67.7	66.1	63.8	62.7	62.1	59.1	55.5	50.8	49.7	48.5
28	4/17/2025	2:00 PM	3:00 PM	1:00	61.6	82.6	46.0	71.6	68.5	65.4	63.6	63.0	60.3	57.2	50.7	49.5	48.1

29	4/17/2025	3:00 PM	4:00 PM	1:00	65.1	90.9	46.9	73.8	70.7	66.4	64.9	64.2	61.3	58.4	52.1	50.6	48.7
30	4/17/2025	4:00 PM	5:00 PM	1:00	71.9	98.1	45.9	78.2	70.7	67.6	65.8	65.0	62.0	59.1	51.7	50.1	48.1
31	4/17/2025	5:00 PM	6:00 PM	1:00	72.4	100.8	46.2	74.2	71.3	66.4	64.6	63.9	61.2	58.2	51.5	49.6	47.7
32	4/17/2025	6:00 PM	7:00 PM	1:00	78.9	107.6	45.7	82.2	74.3	69.2	67.4	66.5	62.6	59.8	52.7	51.0	48.1
33	4/17/2025	7:00 PM	8:00 PM	1:00	64.8	93.3	45.8	72.5	68.9	65.1	63.7	63.1	60.1	56.0	48.4	47.7	46.6
34	4/17/2025	8:00 PM	9:00 PM	1:00	59.1	85.7	45.9	68.0	65.9	63.4	62.2	61.4	57.7	52.9	47.8	47.4	46.6
35	4/17/2025	9:00 PM	10:00 PM	1:00	56.5	76.4	46.1	67.3	64.3	61.7	60.1	59.4	55.3	50.9	47.9	47.5	46.9
36	4/17/2025	10:00 PM	11:00 PM	1:00	54.8	74.1	45.6	65.1	63.4	60.7	59.4	58.5	52.6	49.2	47.4	47.1	46.5
37	4/17/2025	11:00 PM	12:00 AM	1:00	53.6	79.4	40.3	64.0	61.7	58.1	55.3	53.4	48.1	46.3	42.6	41.9	41.2
38	4/18/2025	12:00 AM	1:00 AM	1:00	55.6	72.3	39.4	69.0	67.9	60.2	58.2	57.4	48.7	45.9	41.8	41.1	40.2
39	4/18/2025	1:00 AM	2:00 AM	1:00	45.0	69.2	36.9	55.3	49.6	45.3	43.8	43.4	42.0	40.7	38.8	38.3	37.5
40	4/18/2025	2:00 AM	3:00 AM	1:00	42.6	61.9	36.5	54.9	48.7	42.4	41.5	41.3	40.3	39.4	38.0	37.6	37.1
41	4/18/2025	3:00 AM	4:00 AM	1:00	44.9	67.7	36.5	55.6	53.0	46.8	45.7	45.0	42.2	39.8	37.8	37.4	37.0
42	4/18/2025	4:00 AM	5:00 AM	1:00	48.4	67.9	38.0	61.9	58.9	52.3	48.3	47.1	44.0	42.3	40.0	39.3	38.5
43	4/18/2025	5:00 AM	6:00 AM	1:00	62.4	94.7	40.6	69.4	68.2	63.3	60.4	59.4	53.7	48.2	43.4	42.4	41.1
44	4/18/2025	6:00 AM	7:00 AM	1:00	72.3	104.0	43.2	78.4	73.5	68.4	66.3	65.3	59.2	50.9	45.7	45.1	44.4
45	4/18/2025	7:00 AM	8:00 AM	1:00	65.8	96.2	46.2	74.4	70.7	66.3	64.5	63.4	59.9	54.9	48.9	48.2	47.4
46	4/18/2025	8:00 AM	9:00 AM	1:00	66.4	95.8	47.5	73.4	70.7	67.3	65.3	64.6	61.5	58.2	51.7	50.5	48.7
47	4/18/2025	9:00 AM	10:00 AM	1:00	61.3	78.9	47.1	70.6	68.4	65.9	64.8	64.3	62.0	57.8	51.1	50.1	48.7
48	4/18/2025	10:00 AM	11:00 AM	1:00	59.0	77.3	44.9	68.2	66.6	64.1	62.9	62.3	59.2	55.1	49.1	48.1	46.7

Long-Term 24 Hour Continuous Noise Monitoring

Calculation Input Sheet

Project: **CLIV-05.0**

Date: **April 16-17, 2025**

Site: **LT-3**

	Hour	Leq	Lmax	L50	L90
1	12:00	58.7	80.1	53.9	52.1
2	13:00	57.2	77.9	54.4	52.6
3	14:00	59.2	84.3	53.9	52.4
4	15:00	60.7	83.7	55.3	53.3
5	16:00	62.2	84.9	56.1	53.9
6	17:00	61.2	86.9	55.0	53.4
7	18:00	57.8	78.4	54.1	52.8
8	19:00	57.6	73.5	54.0	53.1
9	20:00	58.4	85.6	50.9	49.0
10	21:00	52.4	69.9	49.9	47.8
11	22:00	52.0	70.6	49.6	47.7
12	23:00	49.0	65.9	47.4	45.4
13	0:00	47.4	67.7	45.9	44.1
14	1:00	45.3	55.4	44.6	42.5
15	2:00	47.3	70.8	44.8	42.5
16	3:00	46.3	65.6	44.7	42.1
17	4:00	53.2	73.1	46.6	43.4
18	5:00	56.3	79.2	48.3	45.0
19	6:00	60.6	86.6	50.0	46.6
20	7:00	56.4	74.9	47.9	44.8
21	8:00	60.3	85.4	52.1	47.3
22	9:00	57.0	76.4	52.8	51.3
23	10:00	57.1	82.5	51.3	50.3
24	11:00	61.6	85.9	51.8	50.6

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	59.6	81.8	53.2	51.2
Evening (7 p.m. - 9 p.m.)	56.8	76.3	51.6	50.0
Nighttime (9 p.m. - 7 a.m.)	53.9	70.5	46.9	44.4

Percentage of Energy

Daytime	75%
Evening	10%
Nighttime	15%

Calculated CNEL, dBA

61.9

Long-Term 24 Hour Continuous Noise Monitoring

Calculation Input Sheet

Project: **CLIV-05.0**

Date: **April 17-18, 2025**

Site: **LT-3**

	Hour	Leq	Lmax	L50	L90
1	12:00	57.3	80.8	52.1	50.9
2	13:00	57.2	79.2	51.9	50.5
3	14:00	60.4	86.5	51.7	50.1
4	15:00	61.9	85.4	56.3	51.7
5	16:00	59.5	79.8	54.1	51.5
6	17:00	57.8	84.5	51.5	50.3
7	18:00	56.3	71.7	52.1	50.6
8	19:00	59.7	83.7	53.8	52.8
9	20:00	57.5	82.3	51.1	49.6
10	21:00	54.9	81.6	50.8	49.2
11	22:00	51.9	69.4	50.4	49.0
12	23:00	49.9	66.5	49.2	47.7
13	0:00	47.7	60.1	47.0	45.1
14	1:00	46.3	52.8	45.8	44.1
15	2:00	50.1	75.8	45.5	42.7
16	3:00	46.8	69.0	45.3	42.4
17	4:00	61.4	90.6	49.1	45.1
18	5:00	56.5	81.1	50.9	48.2
19	6:00	56.9	74.5	52.5	50.6
20	7:00	58.3	74.7	52.5	50.7
21	8:00	60.7	85.6	52.6	49.9
22	9:00	58.5	82.0	52.9	51.5
23	10:00	60.0	83.4	50.8	49.5
24	11:00	57.2	83.2	49.7	48.8

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	59.1	81.4	52.4	50.5
Evening (7 p.m. - 9 p.m.)	57.8	82.5	51.9	50.5
Nighttime (9 p.m. - 7 a.m.)	55.0	71.1	48.4	46.1

Percentage of Energy

Daytime	68%
Evening	13%
Nighttime	20%

Calculated CNEL, dBA

62.6

Project: CLIV-05.0
User: JR
Location: LT-3

No.	Start Date	Start Time	End Time	Duration	Leq	Lmax	Lmin	L1	L2	L5	L8	L10	L25	L50	L90	L95	L99
1	4/16/2025	12:00 PM	1:00 PM	1:00	58.7	80.1	50.6	69.3	66.7	63.2	61.2	60.0	55.9	53.9	52.1	51.6	51.1
2	4/16/2025	1:00 PM	2:00 PM	1:00	57.2	77.9	51.1	66.2	64.6	62.3	60.7	59.8	56.0	54.4	52.6	52.3	51.6
3	4/16/2025	2:00 PM	3:00 PM	1:00	59.2	84.3	50.9	69.3	67.0	63.4	61.5	60.5	55.8	53.9	52.4	52.0	51.6
4	4/16/2025	3:00 PM	4:00 PM	1:00	60.7	83.7	51.8	71.1	68.0	64.8	63.3	62.5	58.0	55.3	53.3	53.0	52.3
5	4/16/2025	4:00 PM	5:00 PM	1:00	62.2	84.9	52.3	73.0	70.2	66.4	64.4	63.5	59.2	56.1	53.9	53.5	52.9
6	4/16/2025	5:00 PM	6:00 PM	1:00	61.2	86.9	52.1	70.8	68.3	65.3	63.5	62.7	57.6	55.0	53.4	53.1	52.7
7	4/16/2025	6:00 PM	7:00 PM	1:00	57.8	78.4	51.4	67.9	66.3	63.2	60.8	59.5	55.3	54.1	52.8	52.5	52.1
8	4/16/2025	7:00 PM	8:00 PM	1:00	57.6	73.5	52.1	68.7	66.8	63.2	60.2	59.0	55.0	54.0	53.1	52.9	52.6
9	4/16/2025	8:00 PM	9:00 PM	1:00	58.4	85.6	46.8	67.0	63.8	56.6	54.4	53.9	52.6	50.9	49.0	48.6	48.0
10	4/16/2025	9:00 PM	10:00 PM	1:00	52.4	69.9	45.4	63.3	60.7	55.8	53.2	52.5	51.0	49.9	47.8	47.3	46.5
11	4/16/2025	10:00 PM	11:00 PM	1:00	52.0	70.6	45.6	63.0	59.7	54.0	52.4	52.0	50.7	49.6	47.7	47.3	46.4
12	4/16/2025	11:00 PM	12:00 AM	1:00	49.0	65.9	42.9	57.7	52.9	50.5	50.0	49.8	48.6	47.4	45.4	44.9	44.2
13	4/17/2025	12:00 AM	1:00 AM	1:00	47.4	67.7	41.5	54.0	51.3	48.9	48.3	48.0	46.9	45.9	44.1	43.5	42.6
14	4/17/2025	1:00 AM	2:00 AM	1:00	45.3	55.4	39.8	50.6	49.6	48.1	47.6	47.3	45.9	44.6	42.5	42.0	41.1
15	4/17/2025	2:00 AM	3:00 AM	1:00	47.3	70.8	39.6	51.2	49.5	48.6	48.0	47.6	46.3	44.8	42.5	42.0	40.9
16	4/17/2025	3:00 AM	4:00 AM	1:00	46.3	65.6	39.3	52.5	50.8	48.9	47.9	47.6	46.3	44.7	42.1	41.6	40.3
17	4/17/2025	4:00 AM	5:00 AM	1:00	53.2	73.1	40.8	67.2	64.3	55.8	51.1	50.2	48.6	46.6	43.4	42.8	41.8
18	4/17/2025	5:00 AM	6:00 AM	1:00	56.3	79.2	41.7	68.7	66.7	62.1	57.2	54.8	50.5	48.3	45.0	44.2	43.2
19	4/17/2025	6:00 AM	7:00 AM	1:00	60.6	86.6	43.8	70.0	67.4	63.1	59.4	57.2	51.8	50.0	46.6	46.0	44.9
20	4/17/2025	7:00 AM	8:00 AM	1:00	56.4	74.9	42.6	68.2	66.8	64.1	61.5	59.6	51.1	47.9	44.8	44.3	43.3
21	4/17/2025	8:00 AM	9:00 AM	1:00	60.3	85.4	44.4	70.8	68.5	65.4	63.3	62.3	55.8	52.1	47.3	46.4	45.3
22	4/17/2025	9:00 AM	10:00 AM	1:00	57.0	76.4	50.0	67.8	64.8	61.5	59.7	58.6	54.1	52.8	51.3	51.1	50.6
23	4/17/2025	10:00 AM	11:00 AM	1:00	57.1	82.5	49.5	66.8	64.4	61.5	59.3	58.0	52.9	51.3	50.3	50.2	49.8
24	4/17/2025	11:00 AM	12:00 PM	1:00	61.6	85.9	49.7	71.5	68.3	64.0	61.2	60.0	53.9	51.8	50.6	50.4	50.1
25	4/17/2025	12:00 PM	1:00 PM	1:00	57.3	80.8	50.0	66.6	64.8	62.0	59.4	58.0	53.4	52.1	50.9	50.7	50.4
26	4/17/2025	1:00 PM	2:00 PM	1:00	57.2	79.2	49.6	67.9	65.8	62.7	60.4	59.0	54.0	51.9	50.5	50.3	50.0
27	4/17/2025	2:00 PM	3:00 PM	1:00	60.4	86.5	49.3	68.7	66.0	62.8	60.7	59.5	54.3	51.7	50.1	49.9	49.6
28	4/17/2025	3:00 PM	4:00 PM	1:00	61.9	85.4	50.0	71.0	68.7	65.3	63.8	63.0	59.2	56.3	51.7	51.1	50.5

29	4/17/2025	4:00 PM	5:00 PM	1:00	59.5	79.8	49.7	70.6	67.1	64.0	62.0	61.2	57.0	54.1	51.5	51.1	50.5
30	4/17/2025	5:00 PM	6:00 PM	1:00	57.8	84.5	49.7	67.9	65.8	62.6	60.6	59.3	54.0	51.5	50.3	50.2	49.9
31	4/17/2025	6:00 PM	7:00 PM	1:00	56.3	71.7	49.8	67.3	65.8	62.2	59.7	58.6	54.0	52.1	50.6	50.4	50.1
32	4/17/2025	7:00 PM	8:00 PM	1:00	59.7	83.7	51.6	70.6	67.6	61.9	58.3	56.6	54.5	53.8	52.8	52.5	52.0
33	4/17/2025	8:00 PM	9:00 PM	1:00	57.5	82.3	48.0	67.9	64.5	60.9	58.2	56.6	52.3	51.1	49.6	49.3	48.8
34	4/17/2025	9:00 PM	10:00 PM	1:00	54.9	81.6	47.5	64.7	61.7	57.4	54.5	53.6	51.9	50.8	49.2	48.7	48.2
35	4/17/2025	10:00 PM	11:00 PM	1:00	51.9	69.4	47.5	61.1	56.8	52.8	52.1	51.8	51.0	50.4	49.0	48.6	48.1
36	4/17/2025	11:00 PM	12:00 AM	1:00	49.9	66.5	45.6	54.8	52.7	51.3	50.9	50.8	50.0	49.2	47.7	47.3	46.7
37	4/18/2025	12:00 AM	1:00 AM	1:00	47.7	60.1	43.1	53.8	50.9	49.7	49.3	49.1	48.1	47.0	45.1	44.7	44.0
38	4/18/2025	1:00 AM	2:00 AM	1:00	46.3	52.8	40.7	50.4	49.6	48.8	48.3	48.1	46.9	45.8	44.1	43.5	42.1
39	4/18/2025	2:00 AM	3:00 AM	1:00	50.1	75.8	40.4	58.5	51.7	49.3	48.7	48.4	47.0	45.5	42.7	42.1	41.2
40	4/18/2025	3:00 AM	4:00 AM	1:00	46.8	69.0	39.6	50.7	50.1	49.3	48.7	48.4	46.9	45.3	42.4	41.7	40.8
41	4/18/2025	4:00 AM	5:00 AM	1:00	61.4	90.6	42.3	73.6	70.5	63.8	60.5	57.6	51.3	49.1	45.1	44.0	43.2
42	4/18/2025	5:00 AM	6:00 AM	1:00	56.5	81.1	44.8	68.1	66.1	61.0	56.4	54.5	52.2	50.9	48.2	47.6	46.2
43	4/18/2025	6:00 AM	7:00 AM	1:00	56.9	74.5	48.1	68.6	66.8	62.9	58.9	57.0	53.7	52.5	50.6	50.1	49.3
44	4/18/2025	7:00 AM	8:00 AM	1:00	58.3	74.7	48.9	69.6	68.1	65.4	63.1	61.4	54.1	52.5	50.7	50.3	49.7
45	4/18/2025	8:00 AM	9:00 AM	1:00	60.7	85.6	46.9	71.0	68.7	65.8	63.9	62.7	55.5	52.6	49.9	49.2	48.1
46	4/18/2025	9:00 AM	10:00 AM	1:00	58.5	82.0	49.6	69.5	67.0	63.2	60.6	58.6	53.9	52.9	51.5	51.2	50.3
47	4/18/2025	10:00 AM	11:00 AM	1:00	60.0	83.4	48.8	72.6	69.1	63.9	61.0	59.4	52.8	50.8	49.5	49.3	49.0
48	4/18/2025	11:00 AM	12:00 PM	1:00	57.2	83.2	47.9	67.5	64.4	60.6	58.1	57.0	51.4	49.7	48.8	48.5	48.2

Long-Term 24 Hour Continuous Noise Monitoring

Calculation Input Sheet

Project: **CLIV-05.0**

Date: **April 16-17, 2025**

Site: **LT-4**

	Hour	Leq	Lmax	L50	L90
1	11:00	78.0	88.9	77.5	74.3
2	12:00	78.7	94.3	78.3	75.8
3	13:00	78.5	86.8	78.1	75.8
4	14:00	76.2	87.2	74.8	71.8
5	15:00	75.9	89.8	74.7	71.6
6	16:00	75.0	87.9	73.8	71.0
7	17:00	74.6	87.0	73.6	71.1
8	18:00	78.2	90.0	77.9	74.5
9	19:00	79.0	90.1	78.7	76.7
10	20:00	78.7	96.9	78.2	75.4
11	21:00	76.7	87.6	76.3	73.0
12	22:00	76.3	90.3	75.5	71.6
13	23:00	75.1	87.8	73.9	69.5
14	0:00	74.5	88.3	73.0	68.1
15	1:00	72.9	86.1	70.7	65.3
16	2:00	72.7	87.6	70.0	65.0
17	3:00	73.9	86.6	71.6	67.6
18	4:00	75.9	88.5	74.2	71.1
19	5:00	78.1	88.1	77.5	73.5
20	6:00	78.9	97.6	78.2	75.4
21	7:00	79.0	89.2	78.5	75.7
22	8:00	79.1	87.3	78.5	76.0
23	9:00	79.1	87.2	78.7	75.8
24	10:00	78.4	87.8	78.0	74.8

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	77.8	88.6	76.9	74.0
Evening (7 p.m. - 9 p.m.)	78.2	91.5	77.7	75.0
Nighttime (9 p.m. - 7 a.m.)	75.9	89.0	73.8	69.7

Percentage of Energy

Daytime	57%
Evening	16%
Nighttime	27%

Calculated CNEL, dBA

83.0

Long-Term 24 Hour Continuous Noise Monitoring

Calculation Input Sheet

Project: **CLIV-05.0**

Date: **April 17-18, 2025**

Site: **LT-4**

	Hour	Leq	Lmax	L50	L90
1	11:00	79.3	91.9	78.9	76.3
2	12:00	79.5	88.8	79.1	76.8
3	13:00	79.2	88.5	78.9	76.7
4	14:00	77.0	89.8	76.1	72.1
5	15:00	74.7	95.5	72.9	69.6
6	16:00	74.3	99.4	71.0	68.3
7	17:00	72.7	87.3	69.9	66.3
8	18:00	73.5	85.8	72.1	67.9
9	19:00	79.0	92.1	78.7	76.7
10	20:00	78.7	85.9	78.4	76.0
11	21:00	77.8	92.2	77.3	74.4
12	22:00	77.4	93.5	76.9	73.8
13	23:00	76.2	87.5	75.4	71.5
14	0:00	74.7	88.9	73.5	68.8
15	1:00	73.4	94.9	71.0	66.0
16	2:00	73.1	89.4	70.9	65.1
17	3:00	74.1	86.5	72.1	67.8
18	4:00	76.0	89.2	74.5	71.2
19	5:00	78.0	89.4	77.3	73.6
20	6:00	80.0	93.8	79.4	76.7
21	7:00	80.1	88.5	79.7	77.4
22	8:00	80.4	99.6	79.9	77.6
23	9:00	80.1	89.9	79.8	77.3
24	10:00	79.6	92.5	79.1	76.3

Averages

	Leq	Lmax	L50	L90
Daytime (7 a.m. - 7 p.m.)	78.3	91.5	76.5	73.6
Evening (7 p.m. - 9 p.m.)	78.5	90.1	78.1	75.7
Nighttime (9 p.m. - 7 a.m.)	76.4	90.3	74.6	70.5

Percentage of Energy

Daytime	57%
Evening	15%
Nighttime	28%

Calculated CNEL, dBA

83.5

Project: CLIV-05.0
User: JR
Location: LT-4

No.	Start Date	Start Time	End Time	Duration	Leq	Lmax	Lmin	L1	L2	L5	L8	L10	L25	L50	L90	L95	L99
1	4/16/2025	11:00 AM	12:00 PM	1:00	78.0	88.9	68.8	82.6	81.8	80.8	80.4	80.1	78.9	77.5	74.3	73.5	71.5
2	4/16/2025	12:00 PM	1:00 PM	1:00	78.7	94.3	71.0	82.9	82.2	81.2	80.8	80.5	79.5	78.3	75.8	75.0	73.4
3	4/16/2025	1:00 PM	2:00 PM	1:00	78.5	86.8	69.1	82.7	81.9	81.1	80.6	80.4	79.3	78.1	75.8	75.2	73.7
4	4/16/2025	2:00 PM	3:00 PM	1:00	76.2	87.2	67.2	81.7	81.0	80.1	79.5	79.2	77.4	74.8	71.8	71.1	68.9
5	4/16/2025	3:00 PM	4:00 PM	1:00	75.9	89.8	67.4	81.9	81.0	79.7	79.0	78.6	76.7	74.7	71.6	70.9	69.6
6	4/16/2025	4:00 PM	5:00 PM	1:00	75.0	87.9	67.5	81.8	80.4	78.7	77.8	77.3	75.5	73.8	71.0	70.3	69.1
7	4/16/2025	5:00 PM	6:00 PM	1:00	74.6	87.0	67.8	80.6	79.5	78.0	77.3	77.0	75.2	73.6	71.1	70.3	69.0
8	4/16/2025	6:00 PM	7:00 PM	1:00	78.2	90.0	70.2	82.9	82.1	81.0	80.5	80.3	79.1	77.9	74.5	73.4	72.0
9	4/16/2025	7:00 PM	8:00 PM	1:00	79.0	90.1	73.1	83.1	82.2	81.3	80.8	80.6	79.7	78.7	76.7	76.1	74.8
10	4/16/2025	8:00 PM	9:00 PM	1:00	78.7	96.9	68.0	82.8	82.0	81.1	80.7	80.4	79.3	78.2	75.4	74.6	72.7
11	4/16/2025	9:00 PM	10:00 PM	1:00	76.7	87.6	67.5	81.2	80.5	79.7	79.2	79.0	77.7	76.3	73.0	72.0	70.1
12	4/16/2025	10:00 PM	11:00 PM	1:00	76.3	90.3	62.3	81.7	80.8	79.7	79.1	78.9	77.3	75.5	71.6	70.4	68.2
13	4/16/2025	11:00 PM	12:00 AM	1:00	75.1	87.8	62.9	81.2	80.2	79.1	78.3	77.9	76.0	73.9	69.5	68.0	65.4
14	4/17/2025	12:00 AM	1:00 AM	1:00	74.5	88.3	58.2	80.4	79.7	78.8	78.2	77.8	75.7	73.0	68.1	66.4	63.5
15	4/17/2025	1:00 AM	2:00 AM	1:00	72.9	86.1	54.9	80.1	79.3	78.0	77.1	76.7	74.0	70.7	65.3	63.6	60.4
16	4/17/2025	2:00 AM	3:00 AM	1:00	72.7	87.6	54.3	80.3	79.4	78.2	77.2	76.6	73.3	70.0	65.0	63.4	60.5
17	4/17/2025	3:00 AM	4:00 AM	1:00	73.9	86.6	59.3	81.1	80.0	78.6	77.8	77.3	74.6	71.6	67.6	66.1	62.7
18	4/17/2025	4:00 AM	5:00 AM	1:00	75.9	88.5	66.2	82.7	81.2	79.9	79.3	78.9	76.6	74.2	71.1	70.3	69.0
19	4/17/2025	5:00 AM	6:00 AM	1:00	78.1	88.1	67.6	83.3	82.4	81.4	80.9	80.6	79.2	77.5	73.5	72.5	70.7
20	4/17/2025	6:00 AM	7:00 AM	1:00	78.9	97.6	71.3	83.6	82.8	81.7	81.2	81.0	79.7	78.2	75.4	74.6	73.2
21	4/17/2025	7:00 AM	8:00 AM	1:00	79.0	89.2	70.3	83.9	83.0	81.9	81.4	81.1	79.8	78.5	75.7	75.0	73.6
22	4/17/2025	8:00 AM	9:00 AM	1:00	79.1	87.3	72.2	83.9	83.1	81.9	81.3	81.1	79.9	78.5	76.0	75.2	73.9
23	4/17/2025	9:00 AM	10:00 AM	1:00	79.1	87.2	69.8	83.8	83.0	81.9	81.4	81.1	80.0	78.7	75.8	74.8	72.9
24	4/17/2025	10:00 AM	11:00 AM	1:00	78.4	87.8	68.7	83.3	82.3	81.2	80.7	80.5	79.3	78.0	74.8	73.8	71.9
25	4/17/2025	11:00 AM	12:00 PM	1:00	79.3	91.9	68.5	83.7	82.9	82.0	81.4	81.2	80.1	78.9	76.3	75.5	73.5
26	4/17/2025	12:00 PM	1:00 PM	1:00	79.5	88.8	73.5	83.4	82.7	81.8	81.4	81.2	80.3	79.1	76.8	76.1	75.0
27	4/17/2025	1:00 PM	2:00 PM	1:00	79.2	88.5	70.8	83.4	82.6	81.6	81.1	80.9	80.0	78.9	76.7	76.0	74.5
28	4/17/2025	2:00 PM	3:00 PM	1:00	77.0	89.8	67.6	82.3	81.5	80.4	79.9	79.6	78.2	76.1	72.1	70.9	69.2

29	4/17/2025	3:00 PM	4:00 PM	1:00	74.7	95.5	65.4	81.9	80.8	78.7	77.6	77.2	75.0	72.9	69.6	68.7	67.0
30	4/17/2025	4:00 PM	5:00 PM	1:00	74.3	99.4	64.0	81.8	80.4	78.7	77.5	76.8	73.5	71.0	68.3	67.5	65.9
31	4/17/2025	5:00 PM	6:00 PM	1:00	72.7	87.3	62.8	81.4	80.0	78.0	76.8	76.2	72.4	69.9	66.3	65.4	64.4
32	4/17/2025	6:00 PM	7:00 PM	1:00	73.5	85.8	62.5	80.7	79.5	77.9	76.9	76.4	74.2	72.1	67.9	67.0	64.8
33	4/17/2025	7:00 PM	8:00 PM	1:00	79.0	92.1	73.3	82.6	81.9	81.2	80.8	80.6	79.7	78.7	76.7	76.1	74.7
34	4/17/2025	8:00 PM	9:00 PM	1:00	78.7	85.9	68.2	82.4	81.8	81.1	80.7	80.5	79.5	78.4	76.0	75.1	73.2
35	4/17/2025	9:00 PM	10:00 PM	1:00	77.8	92.2	67.1	81.8	81.3	80.4	80.0	79.7	78.6	77.3	74.4	73.3	71.4
36	4/17/2025	10:00 PM	11:00 PM	1:00	77.4	93.5	68.1	81.5	80.9	80.3	79.8	79.6	78.3	76.9	73.8	72.8	71.1
37	4/17/2025	11:00 PM	12:00 AM	1:00	76.2	87.5	63.2	81.3	80.7	79.8	79.2	78.9	77.3	75.4	71.5	70.1	67.9
38	4/18/2025	12:00 AM	1:00 AM	1:00	74.7	88.9	57.8	80.7	79.9	78.8	78.1	77.7	75.8	73.5	68.8	67.4	63.2
39	4/18/2025	1:00 AM	2:00 AM	1:00	73.4	94.9	57.7	80.3	79.5	78.3	77.4	76.9	74.0	71.0	66.0	64.6	61.4
40	4/18/2025	2:00 AM	3:00 AM	1:00	73.1	89.4	54.2	80.5	79.5	78.1	77.2	76.7	74.0	70.9	65.1	63.5	60.3
41	4/18/2025	3:00 AM	4:00 AM	1:00	74.1	86.5	61.9	80.9	80.0	78.8	78.1	77.6	75.0	72.1	67.8	66.6	63.8
42	4/18/2025	4:00 AM	5:00 AM	1:00	76.0	89.2	66.1	82.7	81.6	80.1	79.3	78.9	76.9	74.5	71.2	70.4	68.4
43	4/18/2025	5:00 AM	6:00 AM	1:00	78.0	89.4	64.4	83.1	82.4	81.3	80.7	80.5	79.1	77.3	73.6	72.5	70.5
44	4/18/2025	6:00 AM	7:00 AM	1:00	80.0	93.8	71.3	84.8	83.9	82.8	82.3	82.0	80.8	79.4	76.7	75.8	74.2
45	4/18/2025	7:00 AM	8:00 AM	1:00	80.1	88.5	73.2	84.3	83.5	82.6	82.1	81.9	80.8	79.7	77.4	76.7	75.5
46	4/18/2025	8:00 AM	9:00 AM	1:00	80.4	99.6	72.7	84.4	83.6	82.7	82.2	82.0	81.0	79.9	77.6	76.9	75.3
47	4/18/2025	9:00 AM	10:00 AM	1:00	80.1	89.9	71.1	84.1	83.3	82.5	82.1	81.9	80.9	79.8	77.3	76.5	74.9
48	4/18/2025	10:00 AM	11:00 AM	1:00	79.6	92.5	72.2	84.1	83.3	82.3	81.8	81.6	80.4	79.1	76.3	75.3	74.0

TRAFFIC MODELING RESULTS

Traffic Noise Calculator: FHWA 77-108 — **City of Livermore General Plan EIR (CLIV-05) Existing Traffic Noise**

	Output						Inputs													Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour																	
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	Segment	ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	61	65	65	24	51	110	Airway Blvd	East of Isabel Ave	6,888	35	0.0%	96.6%	1.7%	1.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
2	62	66	66	29	61	132	Airway Blvd	West of Isabel Ave	8,274	40	0.0%	98.0%	1.4%	0.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
3	66	70	70	53	114	246	Airway Blvd	South of North Canyons Pkwy	14,284	45	0.0%	96.9%	2.4%	0.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
4	54	58	58	8	17	36	Arroyo Rd	North of Concannon Blvd	2,144	35	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
5	48	52	52	3	7	16	Arroyo Rd	North of Wetmore Rd	606	35	0.0%	99.8%	0.2%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
6	59	63	63	18	38	81	Bluebell Dr	East of Springtown Blvd	9,092	30	0.0%	99.1%	0.5%	0.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
7	49	53	53	4	8	18	Bluebell Dr	South of Buckskin Rd	1,146	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
8	58	61	62	14	31	66	Brisa St	East of Vasco Rd	9,702	25	0.0%	97.8%	2.0%	0.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
9	50	54	54	4	10	21	Catalina Dr	West of Wagoner Dr	1,446	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
10	54	57	58	8	17	36	Chestnut St	East of P St	3,018	30	0.0%	99.4%	0.5%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
11	51	55	55	5	11	23	College Ave	East of L St	2,738	25	0.0%	99.8%	0.1%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
12	54	58	58	8	18	39	Collier Canyon Rd	North of Portola Ave	1,406	40	0.0%	98.7%	1.1%	0.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
13	67	71	71	61	131	283	Concannon Blvd	East of Arroyo Rd	10,389	40	0.0%	87.1%	5.6%	7.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
14	64	68	68	37	79	170	Concannon Blvd	East of Isabel Ave	14,959	35	0.0%	98.0%	0.9%	1.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
15	67	70	71	56	120	258	Concannon Blvd	West of Epson St	11,899	35	0.0%	88.7%	4.9%	6.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
16	68	72	72	69	149	321	Concannon Blvd	South of Livermore Ave	10,438	45	0.0%	87.1%	5.6%	7.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
17	58	62	62	15	33	70	Dalton Ave	West of Vasco Rd	3,634	40	0.0%	99.2%	0.6%	0.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
18	63	66	67	30	64	138	East Ave	West of Jensen St	16,156	30	0.0%	96.8%	2.7%	0.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
19	65	69	69	44	94	202	East Ave	West of Mines Rd	13,854	40	0.0%	96.3%	3.2%	0.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
20	66	70	70	50	108	233	East Ave	West of Research Ave	15,961	40	0.0%	95.0%	4.3%	0.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
21	53	57	57	7	14	31	El Caminito	South of Stanley Blvd	2,633	30	0.0%	99.8%	0.2%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
22	56	59	60	10	23	49	First St	West of S Livermore Ave	4,304	30	0.0%	98.6%	1.3%	0.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
23	69	73	73	80	173	373	First St	North of Portola Ave	36,653	30	0.0%	93.1%	3.5%	3.4%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
24	69	72	73	76	164	354	First St	South of I-580 EB Ramps	25,765	35	0.0%	93.4%	2.9%	3.6%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
25	68	72	72	70	150	324	First St	South of Inman St	21,963	35	0.0%	92.1%	3.8%	4.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
26	56	59	60	10	22	47	First St	Btwn N and P St	4,302	30	0.0%	98.8%	1.1%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
27	66	69	70	49	106	228	Fourth St	East of L St	18,315	35	0.0%	95.1%	3.1%	1.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
28	55	58	59	9	19	42	Greenville Rd	North of East Ave	1,169	40	0.0%	95.8%	2.5%	1.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
29	57	61	61	13	28	61	Greenville Rd	North of Marathon Dr	2,629	40	0.0%	97.6%	2.0%	0.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
30	61	65	65	25	53	114	Greenville Rd	North of Southfront Rd	6,784	40	0.0%	98.3%	1.3%	0.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
31	67	71	71	60	130	280	Holmes St	South of Concannon Blvd	15,192	35	0.0%	90.1%	4.7%	5.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
32	64	68	69	40	86	186	Holmes St	North of Mocho St	16,205	35	0.0%	97.2%	1.7%	1.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
33	72	76	76	134	288	621	Isabel Ave	North of Rickenbacker Cir	42,052	45	0.0%	94.4%	3.1%	2.4%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
34	61	65	66	25	54	117	Isabel Ave	South of Portola Ave	6,283	35	0.0%	94.8%	3.0%	2.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
35	74	78	78	175	378	814	Isabel Ave	South of Vallecitos Rd	42,893	50	0.0%	91.0%	4.6%	4.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
36	74	78	78	170	367	791	Isabel Ave	North of Vineyard Ave	38,406	55	0.0%	93.5%	3.5%	3.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
37	73	77	77	144	311	670	Isabel Ave	North of Concannon Blvd	38,623	50	0.0%	94.2%	3.2%	2.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
38	66	70	70	54	116	249	Jack London Blvd	East of El Charro Rd	21,157	40	0.0%	98.1%	1.4%	0.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
39	63	67	67	32	69	149	Jack London Blvd	West of Isabel Ave	13,621	35	0.0%	98.3%	1.1%	0.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
40	64	67	68	36	78	168	Jack London Blvd	East of Hagemann Dr	16,408	35	0.0%	98.2%	1.3%	0.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
41	51	54	55	5	10	22	Junction Ave	East of North Livermore Ave	1,452	30	0.0%	99.2%	0.8%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
42	52	56	57	6	14	29	L St	South of Pine St	2,185	30	0.0%	99.4%	0.6%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
43	52	55	56	6	12	26	L St	North of College Ave	1,877	30	0.0%	99.7%	0.2%	0.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
44	69	73	73	83	179	385	Las Positas Rd	East of North Livermore Ave	22,480	45	0.0%	94.8%	3.1%	2.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
45	62	66	67	29	63	136	Las Positas Rd	West of First St	7,156	35	0.0%	93.7%	3.6%	2.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
46	53	57	57	7	15	32	Las Positas Rd	West of Vasco Rd	1,280	35	0.0%	96.6%	3.1%	0.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
47	52	55	56	6	12	26	Laughlin Rd	North of Northfront Rd	1,282	35	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
48	45.8	49.5	49.9	2	5	11	Lexington Wy	East of Norwood Rd	1,700	20	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
49	65.2	68.9	69.3	45	97	209	Livermore Ave	South of Chestnut St	20,839	35	0.0%	97.8%	1.2%	0.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
50	70.1	73.8	74.2	95	204	439	Livermore Ave	South of I-580 EB Ramps	30,065	45	0.0%	96.1%	2.3%	1.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
51	68.0	71.7	72.1	69	149	322	Livermore Ave	South of Concannon Blvd	12,393	40	0.0%	86.8%	5.7%	7.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
52	61.7	65.4	65.8	26	57	122	Livermore Ave	South of Seventh St	6,583	35	0.0%	94.9%	2.4%	2.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
53	56.7	60.4	60.7	12	26	56	Maple St	South of Second St	5,721	30	0.0%	99.0%	0.9%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
54	63.2	67.0	67.3	33	72	154	Mines Rd	North of East Ave	9,660	40	0.0%	96.7%	2.9%	0.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
55	68.8	72.5	72.9	78	169	363	Mines Rd	South of First St	24,916	40	0.0%	94.1%	3.4%	2.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
56	63.6	67.3	67.7	35	76	163	Mines Rd	South of Las Positas Rd	11,200	35	0.0%	94.8%	3.4%	1.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
57	56.0	59.7	60.1	11	24	51	Murdell Ln	South of Stanley Blvd	5,543	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
58	60.8	64.6	64.9	23	50	107	Murrieta Blvd	North of Stanley Blvd	9,835	35	0.0%	99.3%	0.7%	0.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
59	56.7	60.4	60.8	12	26	56	Murrieta Blvd	South of Portola Ave	3,712	35	0.0%	99.4%	0.4%	0.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
60	63.4	67.1	67.5	34	74	159	Murrieta Blvd	West of Holmes St	11,739	35	0.0%	95.7%	3.0%	1.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
61	64.7	68.4	68.8	41	89	193	North Canyons Pkwy	East of Airway Blvd	13,331	40	0.0%	97.0%	2.4%	0.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
62	62.1	65.8	66.2	28	60	129	Northfront Rd	East of Vasco Rd	5,540	45	0.0%	97.9%	1.3%	0.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
63	52.9	56.6	57.0	7	15	32	Olivina Ave	East of Albatross Ave	2,529	30	0.0%	99.4%	0.5%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
64	53.3	57.0	57.4	7	16	34	Olivina Ave	West of Murrieta Blvd	2,985	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
65	55.7	59.4	59.8	10	23	49	P St	South of Chestnut St	4,855	30	0.0%	99.7%	0.3%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
66	51.1	54.8	55.2	5	11	24	P St	South of Portola Ave	1,731	30	0.0%	99.7%	0.3%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
67	63.8	67.5	67.9	36	78	168	Patterson Pass Rd	East of Greenville Rd	9,859	25	0.0%	88.4%	4.7%	6.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
68	67.9	71.6	72.0	68	147	316	Patterson Pass Rd	West of Shannon Ct	10,956	45	0.0%	89.3%	4.5%	6.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
69	67.1	70.8	71.1	60	128	277	Patterson Pass Rd	West of Vasco Rd	12,743	40	0.0%	91.1%	4.3%	4.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44

70	63.1	66.8	67.2	33	70	152	Portola Ave	East of Isabel Ave	9,908	35	0.0%	95.5%	2.6%	1.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
71	62.6	66.3	66.6	30	64	139	Portola Ave	East of Livermore Ave	7,632	35	0.0%	94.1%	3.3%	2.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
72	65.5	69.2	69.6	47	101	218	Portola Ave	East of Murrieta Blvd	17,945	35	0.0%	96.0%	2.3%	1.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
73	61.9	65.6	66.0	27	58	125	Preston Ave	East of Vasco Rd	9,479	35	0.0%	95.9%	3.6%	0.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
74	67.3	71.0	71.4	62	133	286	Railroad Ave	East of P St	22,432	30	0.0%	91.7%	4.0%	4.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
75	52.1	55.8	56.2	6	13	28	Scenic Ave	West of Vasco Rd	2,237	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
76	50.7	54.4	54.8	5	10	23	Southfront Rd	East of Leisure St	840	35	0.0%	97.8%	1.8%	0.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
77	58.1	61.8	62.2	15	33	70	Springtown Blvd	South of Redwood Rd	3,839	40	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
78	68.7	72.4	72.8	76	165	355	Stanley Blvd	East of Fenton St	25,767	35	0.0%	92.4%	3.8%	3.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
79	69.7	73.4	73.8	89	192	414	Stanley Blvd	West of Murdell Ln	35,247	35	0.0%	93.1%	3.7%	3.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
80	70.7	74.4	74.8	104	224	483	Stanley Blvd	West of Murrieta Blvd	33,952	40	0.0%	92.8%	3.8%	3.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
81	54.9	58.6	59.0	9	20	43	Sunflower Ct	East of Bluebell Dr	2,260	30	0.0%	96.6%	1.6%	1.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
82	68.4	72.1	72.5	73	158	341	Tesla Rd	East of Greenville Rd	10,196	45	0.0%	85.7%	5.1%	9.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
83	67.6	71.3	71.7	65	140	301	Vallecitos Rd	North of Isabel Ave	12,721	40	0.0%	88.5%	5.5%	6.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
84	46.9	50.6	51.0	3	6	13	Vancouver Wy	East of Darwin Ave	672	30	0.0%	99.8%	0.2%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
85	66.6	70.3	70.7	56	120	259	Vasco Rd	North of Dalton Ave	24,799	40	0.0%	99.0%	0.6%	0.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
86	68.3	72.0	72.3	72	154	333	Vasco Rd	North of Daphne Dr	21,711	45	0.0%	96.0%	3.5%	0.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
87	70.0	73.7	74.1	94	202	436	Vasco Rd	North of Preston Ave	30,324	45	0.0%	95.7%	3.1%	1.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
88	62.3	66.0	66.4	29	62	133	Vasco Rd	North of Tesla Ave	4,625	45	0.0%	93.4%	5.0%	1.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
89	68.6	72.3	72.7	76	163	351	Vasco Rd	South of Northfront Rd	39,056	40	0.0%	99.2%	0.6%	0.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
90	55.4	59.1	59.5	10	22	47	Vineyard Ave	East of Isabel Ave	2,182	35	0.0%	97.8%	1.1%	1.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
91	50.0	53.8	54.1	4	9	20	Wetmore Rd	West of Lagis Dr	891	35	0.0%	99.8%	0.2%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
92	42.6	46.3	46.7	1	3	6	Wisteria Wy	East of Bluebell Dr	815	20	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20

Traffic Noise Calculator: FHWA 77-108 — **City of Livermore General Plan EIR (CLIV-05) 2045 No Project Traffic Noise**

	Output						Inputs													Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour																	
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	Segment	ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	63	67	67	31	67	144	Airway Blvd	East of Isabel Ave	11,675	35	0.0%	97.5%	1.3%	1.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
2	64	67	68	35	76	164	Airway Blvd	West of Isabel Ave	10,493	40	0.0%	97.3%	1.7%	1.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
3	69	73	73	85	183	395	Airway Blvd	South of North Canyons Pkwy	28,249	45	0.0%	97.3%	2.1%	0.5%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
4	58	62	62	15	32	68	Arroyo Rd	North of Concannon Blvd	3,384	35	0.0%	96.7%	1.7%	1.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
5	47	51	51	3	6	13	Arroyo Rd	North of Wetmore Rd	433	35	0.0%	99.7%	0.3%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
6	61	65	65	23	49	106	Bluebell Dr	East of Springtown Blvd	13,337	30	0.0%	98.9%	0.6%	0.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
7	53	56	57	7	14	31	Bluebell Dr	South of Buckskin Rd	2,545	30	0.0%	99.8%	0.2%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
8	58	62	62	15	32	68	Brisa St	East of Vasco Rd	10,114	25	0.0%	97.8%	2.0%	0.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
9	50	54	54	4	10	21	Catalina Dr	West of Wagoner Dr	1,426	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
10	59	62	63	17	36	77	Chestnut St	East of P St	5,814	30	0.0%	96.8%	1.7%	1.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
11	57	61	62	14	29	63	College Ave	East of L St	5,993	25	0.0%	96.6%	1.8%	1.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
12	59	63	63	18	39	85	Collier Canyon Rd	North of Portola Ave	4,944	40	0.0%	99.6%	0.3%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
13	69	73	73	81	175	378	Concannon Blvd	East of Arroyo Rd	14,536	40	0.0%	85.5%	5.8%	8.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
14	67	71	71	59	127	274	Concannon Blvd	East of Isabel Ave	21,394	35	0.0%	95.1%	2.1%	2.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
15	69	72	73	77	166	358	Concannon Blvd	West of Epson St	17,413	35	0.0%	87.3%	5.2%	7.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
16	70	74	74	92	197	425	Concannon Blvd	South of Livermore Ave	14,254	45	0.0%	85.2%	5.9%	8.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
17	63	67	67	32	69	148	Dalton Ave	West of Vasco Rd	6,469	40	0.0%	94.3%	2.8%	2.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
18	66	70	70	50	108	232	East Ave	West of Jensen St	24,327	30	0.0%	94.9%	3.0%	2.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
19	68	72	72	73	158	340	East Ave	West of Mines Rd	24,115	40	0.0%	94.8%	3.1%	2.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
20	69	72	73	78	168	361	East Ave	West of Research Ave	25,675	40	0.0%	94.1%	3.9%	2.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
21	53	57	57	7	15	32	El Caminito	South of Stanley Blvd	2,756	30	0.0%	99.9%	0.1%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
22	61	64	65	22	47	102	First St	West of S Livermore Ave	7,508	30	0.0%	95.7%	2.3%	2.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
23	71	75	75	110	238	512	First St	North of Portola Ave	56,650	30	0.0%	92.6%	3.8%	3.6%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
24	71	75	75	114	245	528	First St	South of I-580 EB Ramps	52,591	35	0.0%	94.3%	2.9%	2.8%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
25	69	73	73	84	180	388	First St	South of Inman St	28,954	35	0.0%	92.1%	3.9%	4.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
26	61	65	65	23	50	107	First St	Btwn N and P St	8,554	30	0.0%	96.1%	2.1%	1.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
27	69	72	73	77	166	357	Fourth St	East of L St	29,600	35	0.0%	93.5%	3.5%	2.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
28	61	64	65	23	49	105	Greenville Rd	North of East Ave	3,535	40	0.0%	93.3%	3.5%	3.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
29	60	64	64	20	43	92	Greenville Rd	North of Marathon Dr	4,192	40	0.0%	96.9%	2.1%	1.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
30	67	71	71	58	125	269	Greenville Rd	North of Southfront Rd	14,449	40	0.0%	94.0%	3.1%	2.9%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
31	69	73	74	86	185	398	Holmes St	South of Concannon Blvd	26,313	35	0.0%	90.5%	4.5%	5.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
32	68	72	72	67	145	311	Holmes St	North of Mocho St	28,545	35	0.0%	95.4%	2.5%	2.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
33	74	78	78	177	381	821	Isabel Ave	North of Rickenbacker Cir	63,538	45	0.0%	94.3%	3.2%	2.4%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
34	65	69	69	43	92	198	Isabel Ave	South of Portola Ave	16,781	35	0.0%	96.3%	2.4%	1.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
35	77	81	81	269	580	1250	Isabel Ave	South of Vallecitos Rd	80,373	50	0.0%	90.8%	4.7%	4.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
36	76	80	81	252	544	1171	Isabel Ave	North of Vineyard Ave	64,516	55	0.0%	92.1%	4.2%	3.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
37	75	79	79	207	446	960	Isabel Ave	North of Concannon Blvd	62,627	50	0.0%	93.2%	3.7%	3.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
38	69	73	73	79	171	368	Jack London Blvd	East of El Charro Rd	36,011	40	0.0%	97.7%	1.6%	0.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
39	66	70	70	49	106	229	Jack London Blvd	West of Isabel Ave	22,702	35	0.0%	97.2%	1.8%	1.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
40	66	70	70	51	109	235	Jack London Blvd	East of Hagemann Dr	23,167	35	0.0%	97.1%	1.7%	1.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
41	52	55	56	6	12	26	Junction Ave	East of North Livermore Ave	1,787	30	0.0%	99.0%	0.9%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
42	54	57	58	8	16	35	L St	South of Pine St	2,871	30	0.0%	99.4%	0.6%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
43	59	62	63	17	36	77	L St	North of College Ave	5,110	30	0.0%	96.0%	2.1%	1.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
44	72	75	76	120	258	556	Las Positas Rd	East of North Livermore Ave	34,880	45	0.0%	93.5%	3.4%	3.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
45	66	70	71	54	117	253	Las Positas Rd	West of First St	16,620	35	0.0%	93.0%	3.7%	3.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
46	63	67	67	31	67	145	Las Positas Rd	West of Vasco Rd	9,937	35	0.0%	96.1%	2.3%	1.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
47	52	55	56	6	12	26	Laughlin Rd	North of Northfront Rd	1,279	35	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
48	45.5	49.2	49.6	2	5	10	Lexington Wy	East of Norwood Rd	1,584	20	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
49	67.2	70.9	71.3	61	131	282	Livermore Ave	South of Chestnut St	29,602	35	0.0%	97.0%	1.7%	1.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
50	71.3	75.0	75.4	114	246	531	Livermore Ave	South of I-580 EB Ramps	35,169	45	0.0%	94.6%	3.0%	2.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
51	69.7	73.4	73.8	89	192	414	Livermore Ave	South of Concannon Blvd	16,147	40	0.0%	84.9%	6.1%	9.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
52	62.1	65.8	66.2	28	60	130	Livermore Ave	South of Seventh St	7,038	35	0.0%	94.5%	2.7%	2.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
53	58.9	62.6	63.0	17	37	79	Maple St	South of Second St	6,126	30	0.0%	96.7%	2.0%	1.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
54	63.7	67.5	67.8	36	77	166	Mines Rd	North of East Ave	11,041	40	0.0%	97.0%	2.6%	0.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
55	70.9	74.6	75.0	107	231	497	Mines Rd	South of First St	32,398	40	0.0%	91.8%	4.1%	4.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
56	65.3	69.0	69.3	45	97	210	Mines Rd	South of Las Positas Rd	10,973	35	0.0%	90.9%	4.7%	4.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
57	56.4	60.1	60.5	12	25	54	Murdell Ln	South of Stanley Blvd	6,037	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
58	62.9	66.6	67.0	31	68	146	Murrieta Blvd	North of Stanley Blvd	14,721	35	0.0%	98.8%	1.1%	0.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
59	58.8	62.5	62.9	17	36	78	Murrieta Blvd	South of Portola Ave	5,298	35	0.0%	98.7%	0.7%	0.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
60	66.4	70.1	70.5	54	117	251	Murrieta Blvd	West of Holmes St	19,568	35	0.0%	94.7%	2.9%	2.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
61	68.7	72.4	72.8	77	166	357	North Canyons Pkwy	East of Airway Blvd	32,753	40	0.0%	96.9%	2.3%	0.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
62	67.0	70.7	71.1	59	127	274	Northfront Rd	East of Vasco Rd	13,381	45	0.0%	95.1%	2.5%	2.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
63	58.8	62.5	62.9	17	36	78	Olivina Ave	East of Albatross Ave	6,083	30	0.0%	96.9%	1.7%	1.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
64	57.9	61.6	62.0	15	32	68	Olivina Ave	West of Murrieta Blvd	5,834	30	0.0%	97.9%	1.3%	0.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
65	56.8	60.5	60.9	12	26	57	P St	South of Chestnut St	6,092	30	0.0%	99.6%	0.4%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
66	52.9	56.6	57.0	7	15	31	P St	South of Portola Ave	2,592	30	0.0%	99.6%	0.4%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
67	67.5	71.2	71.6	64	138	298	Patterson Pass Rd	East of Greenville Rd	20,024	25	0.0%	86.0%	5.7%	8.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
68	71.5	75.3	75.6	119	256	551	Patterson Pass Rd	West of Shannon Ct	21,982	45	0.0%	86.6%	5.6%	7.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
69	69.8	73.5	73.9	91	196	423	Patterson Pass Rd	West of Vasco Rd	19,600	40	0.0%	88.0%	5.4%	6.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44

70	67.0	70.7	71.1	59	128	275	Portola Ave	East of Isabel Ave	25,699	35	0.0%	95.9%	2.5%	1.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
71	66.0	69.7	70.1	51	110	236	Portola Ave	East of Livermore Ave	14,796	35	0.0%	92.8%	3.8%	3.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
72	68.0	71.8	72.1	69	150	322	Portola Ave	East of Murrieta Blvd	31,643	35	0.0%	95.8%	2.4%	1.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
73	63.6	67.3	67.7	35	76	163	Preston Ave	East of Vasco Rd	11,620	35	0.0%	94.7%	3.8%	1.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
74	68.3	72.0	72.4	72	156	336	Railroad Ave	East of P St	31,304	30	0.0%	92.5%	3.8%	3.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
75	53.1	56.8	57.2	7	15	32	Scenic Ave	West of Vasco Rd	2,755	30	0.0%	99.8%	0.1%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
76	59.1	62.8	63.2	18	38	81	Southfront Rd	East of Leisure St	3,036	35	0.0%	93.0%	3.4%	3.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
77	59.7	63.4	63.8	19	42	90	Springtown Blvd	South of Redwood Rd	5,498	40	0.0%	99.9%	0.1%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
78	69.9	73.6	74.0	92	198	426	Stanley Blvd	East of Fenton St	35,426	35	0.0%	92.8%	3.7%	3.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
79	71.4	75.1	75.5	117	252	542	Stanley Blvd	West of Murdell Ln	48,636	35	0.0%	92.9%	3.7%	3.5%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
80	72.4	76.1	76.5	136	293	632	Stanley Blvd	West of Murrieta Blvd	47,074	40	0.0%	92.6%	3.8%	3.6%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
81	56.9	60.6	61.0	12	27	58	Sunflower Ct	East of Bluebell Dr	3,516	30	0.0%	96.4%	1.8%	1.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
82	71.0	74.7	75.1	109	234	504	Tesla Rd	East of Greenville Rd	18,595	45	0.0%	86.0%	5.1%	9.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
83	69.9	73.6	73.9	92	197	426	Vallecitos Rd	North of Isabel Ave	22,294	40	0.0%	89.3%	5.0%	5.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
84	48.5	52.2	52.6	3	7	16	Vancouver Wy	East of Darwin Ave	959	30	0.0%	99.8%	0.2%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
85	67.6	71.4	71.7	65	141	303	Vasco Rd	North of Dalton Ave	30,632	40	0.0%	98.8%	0.7%	0.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
86	70.0	73.7	74.0	93	201	432	Vasco Rd	North of Daphne Dr	29,281	45	0.0%	95.6%	3.1%	1.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
87	70.9	74.6	75.0	108	232	501	Vasco Rd	North of Preston Ave	38,014	45	0.0%	96.9%	2.2%	0.9%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
88	65.5	69.2	69.6	47	101	217	Vasco Rd	North of Tesla Ave	7,679	45	0.0%	91.0%	5.1%	3.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
89	70.4	74.1	74.5	99	213	460	Vasco Rd	South of Northfront Rd	49,471	40	0.0%	98.3%	1.0%	0.7%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
90	57.7	61.4	61.8	14	31	66	Vineyard Ave	East of Isabel Ave	2,978	35	0.0%	96.0%	2.0%	2.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
91	48.8	52.5	52.9	4	8	17	Wetmore Rd	West of Lagis Dr	657	35	0.0%	99.7%	0.3%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
92	42.8	46.5	46.9	1	3	7	Wisteria Wy	East of Bluebell Dr	858	20	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20

Traffic Noise Calculator: FHWA 77-108 — **City of Livermore General Plan EIR (CLIV-05) 2045 Plus Project Traffic Noise**

	Output						Inputs													Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour																	
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	Segment	ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	63	66	67	31	66	142	Airway Blvd	East of Isabel Ave	9,296	35	0.0%	95.9%	2.1%	2.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
2	63	67	67	32	70	150	Airway Blvd	West of Isabel Ave	9,179	40	0.0%	97.3%	1.8%	0.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
3	69	72	73	75	162	349	Airway Blvd	South of North Canyons Pkwy	24,706	45	0.0%	98.0%	1.6%	0.4%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
4	58	62	63	16	34	73	Arroyo Rd	North of Concannon Blvd	3,729	35	0.0%	96.8%	1.5%	1.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
5	51	54	55	5	10	22	Arroyo Rd	North of Wetmore Rd	700	35	0.0%	97.7%	1.2%	1.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
6	60	64	65	22	46	100	Bluebell Dr	East of Springtown Blvd	10,706	30	0.0%	98.3%	0.9%	0.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
7	54	58	58	8	17	36	Bluebell Dr	South of Buckskin Rd	3,145	30	0.0%	99.6%	0.4%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
8	58	62	62	15	32	68	Brisa St	East of Vasco Rd	10,199	25	0.0%	97.9%	1.9%	0.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
9	51	54	55	5	10	22	Catalina Dr	West of Wagoner Dr	1,574	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
10	58	61	62	14	31	66	Chestnut St	East of P St	5,707	30	0.0%	98.1%	1.2%	0.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
11	58	62	62	15	32	68	College Ave	East of L St	5,719	25	0.0%	95.9%	1.9%	2.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
12	59	63	63	18	39	85	Collier Canyon Rd	North of Portola Ave	4,913	40	0.0%	99.7%	0.3%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
13	69	73	73	82	177	382	Concannon Blvd	East of Arroyo Rd	14,097	40	0.0%	84.7%	6.0%	9.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
14	67	71	71	59	127	273	Concannon Blvd	East of Isabel Ave	21,346	35	0.0%	95.2%	2.0%	2.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
15	69	73	73	78	168	363	Concannon Blvd	West of Epson St	17,095	35	0.0%	86.7%	5.3%	8.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
16	70	74	74	93	200	430	Concannon Blvd	South of Livermore Ave	13,982	45	0.0%	84.5%	6.1%	9.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
17	63	67	67	32	69	148	Dalton Ave	West of Vasco Rd	6,187	40	0.0%	93.8%	3.0%	3.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
18	66	70	70	50	108	232	East Ave	West of Jensen St	24,632	30	0.0%	95.0%	2.9%	2.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
19	68	72	72	73	157	338	East Ave	West of Mines Rd	23,927	40	0.0%	94.9%	3.1%	2.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
20	69	73	73	78	168	362	East Ave	West of Research Ave	26,246	40	0.0%	94.4%	3.5%	2.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
21	53	56	57	7	14	31	El Caminito	South of Stanley Blvd	2,599	30	0.0%	99.9%	0.1%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
22	60	64	64	21	45	96	First St	West of S Livermore Ave	7,491	30	0.0%	96.3%	2.2%	1.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
23	71	75	75	108	233	503	First St	North of Portola Ave	56,847	30	0.0%	92.9%	3.7%	3.4%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
24	71	75	75	113	243	524	First St	South of I-580 EB Ramps	49,663	35	0.0%	93.7%	3.3%	3.0%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
25	69	73	73	85	184	396	First St	South of Inman St	30,105	35	0.0%	92.1%	4.0%	3.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
26	61	65	65	23	50	109	First St	Btwn N and P St	8,713	30	0.0%	95.9%	2.2%	1.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
27	69	72	73	76	163	352	Fourth St	East of L St	30,039	35	0.0%	93.9%	3.4%	2.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
28	62	66	66	28	61	132	Greenville Rd	North of East Ave	4,885	40	0.0%	93.2%	3.3%	3.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
29	61	65	65	23	49	106	Greenville Rd	North of Marathon Dr	5,136	40	0.0%	96.9%	2.0%	1.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
30	66	70	70	52	113	242	Greenville Rd	North of Southfront Rd	13,091	40	0.0%	94.5%	3.1%	2.5%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
31	69	73	73	83	180	387	Holmes St	South of Concannon Blvd	24,957	35	0.0%	90.4%	4.5%	5.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
32	67	71	72	63	136	293	Holmes St	North of Mocho St	27,411	35	0.0%	95.8%	2.4%	1.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
33	74	78	78	168	363	781	Isabel Ave	North of Rickenbacker Cir	58,052	45	0.0%	94.2%	3.2%	2.6%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
34	64	68	68	39	85	183	Isabel Ave	South of Portola Ave	15,216	35	0.0%	96.9%	1.8%	1.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
35	77	81	81	269	579	1248	Isabel Ave	South of Vallecitos Rd	80,109	50	0.0%	90.8%	4.6%	4.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
36	77	80	81	255	549	1184	Isabel Ave	North of Vineyard Ave	65,573	55	0.0%	92.2%	4.0%	3.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
37	75	79	79	205	441	950	Isabel Ave	North of Concannon Blvd	61,871	50	0.0%	93.3%	3.6%	3.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
38	69	73	73	78	168	362	Jack London Blvd	East of El Charro Rd	34,459	40	0.0%	97.5%	1.7%	0.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
39	66	70	70	50	107	230	Jack London Blvd	West of Isabel Ave	22,278	35	0.0%	97.0%	1.9%	1.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
40	66	70	70	50	109	234	Jack London Blvd	East of Hagemann Dr	21,989	35	0.0%	96.7%	2.0%	1.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
41	53	56	57	7	14	31	Junction Ave	East of North Livermore Ave	2,310	30	0.0%	99.0%	0.9%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
42	54	58	58	8	17	37	L St	South of Pine St	3,050	30	0.0%	99.3%	0.7%	0.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
43	59	63	63	18	38	83	L St	North of College Ave	4,899	30	0.0%	95.2%	2.3%	2.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
44	72	75	76	122	263	568	Las Positas Rd	East of North Livermore Ave	35,825	45	0.0%	93.5%	3.4%	3.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
45	66	70	70	52	111	239	Las Positas Rd	West of First St	15,706	35	0.0%	93.4%	3.3%	3.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
46	64	67	68	35	74	160	Las Positas Rd	West of Vasco Rd	12,686	35	0.0%	96.8%	2.1%	1.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
47	57	61	61	13	27	59	Laughlin Rd	North of Northfront Rd	3,805	35	0.0%	98.8%	0.9%	0.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
48	45.5	49.2	49.6	2	5	10	Lexington Wy	East of Norwood Rd	1,603	20	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
49	66.8	70.5	70.9	57	124	266	Livermore Ave	South of Chestnut St	29,424	35	0.0%	97.6%	1.5%	0.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
50	71.5	75.3	75.6	119	256	551	Livermore Ave	South of I-580 EB Ramps	36,205	45	0.0%	94.3%	3.0%	2.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
51	69.8	73.5	73.8	90	194	419	Livermore Ave	South of Concannon Blvd	15,730	40	0.0%	84.0%	6.3%	9.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
52	61.2	64.9	65.3	24	53	113	Livermore Ave	South of Seventh St	5,534	35	0.0%	94.2%	2.7%	3.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
53	59.2	63.0	63.3	18	39	83	Maple St	South of Second St	7,540	30	0.0%	97.4%	1.7%	0.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
54	63.5	67.2	67.6	34	74	160	Mines Rd	North of East Ave	10,641	40	0.0%	97.4%	2.2%	0.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
55	70.8	74.5	74.9	105	227	489	Mines Rd	South of First St	30,756	40	0.0%	91.5%	4.2%	4.4%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
56	65.1	68.8	69.2	44	95	204	Mines Rd	South of Las Positas Rd	10,400	35	0.0%	90.9%	4.5%	4.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
57	56.2	59.9	60.2	11	24	52	Murdell Ln	South of Stanley Blvd	5,729	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
58	63.1	66.8	67.1	32	70	150	Murrieta Blvd	North of Stanley Blvd	13,251	35	0.0%	97.9%	1.4%	0.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
59	56.9	60.6	61.0	13	27	58	Murrieta Blvd	South of Portola Ave	4,077	35	0.0%	99.7%	0.3%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
60	66.6	70.3	70.6	55	119	256	Murrieta Blvd	West of Holmes St	19,333	35	0.0%	94.4%	3.1%	2.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
61	68.0	71.7	72.1	69	149	320	North Canyons Pkwy	East of Airway Blvd	30,419	40	0.0%	98.0%	1.5%	0.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
62	67.2	70.9	71.3	61	131	283	Northfront Rd	East of Vasco Rd	15,059	45	0.0%	95.8%	2.4%	1.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
63	57.8	61.5	61.8	14	31	66	Olivina Ave	East of Albatross Ave	5,859	30	0.0%	98.1%	1.1%	0.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
64	56.5	60.2	60.6	12	25	55	Olivina Ave	West of Murrieta Blvd	5,245	30	0.0%	99.1%	0.6%	0.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
65	57.0	60.7	61.0	13	27	59	P St	South of Chestnut St	6,372	30	0.0%	99.6%	0.4%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
66	52.5	56.2	56.6	6	14	29	P St	South of Portola Ave	2,394	30	0.0%	99.8%	0.2%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
67	67.6	71.3	71.7	65	140	302	Patterson Pass Rd	East of Greenville Rd	19,730	25	0.0%	85.5%	5.9%	8.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
68	71.7	75.4	75.8	122	264	568	Patterson Pass Rd	West of Shannon Ct	22,592	45	0.0%	86.3%	5.6%	8.1%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
69	69.8	73.5	73.9	91	197	424	Patterson Pass Rd	West of Vasco Rd	19,660	40	0.0%	88.1%	5.3%	6.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44

70	66.7	70.4	70.7	56	121	260	Portola Ave	East of Isabel Ave	26,080	35	0.0%	96.9%	1.8%	1.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
71	65.9	69.6	70.0	50	107	231	Portola Ave	East of Livermore Ave	14,612	35	0.0%	93.1%	3.5%	3.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
72	67.7	71.4	71.8	66	141	305	Portola Ave	East of Murrieta Blvd	29,900	35	0.0%	96.1%	2.2%	1.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
73	63.3	67.0	67.4	33	72	155	Preston Ave	East of Vasco Rd	11,150	35	0.0%	94.9%	3.8%	1.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
74	68.4	72.1	72.4	73	157	338	Railroad Ave	East of P St	32,806	30	0.0%	92.8%	3.7%	3.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
75	54.1	57.8	58.2	8	17	38	Scenic Ave	West of Vasco Rd	3,375	30	0.0%	99.7%	0.3%	0.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
76	58.4	62.1	62.5	16	34	73	Southfront Rd	East of Leisure St	2,328	35	0.0%	91.5%	4.2%	4.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
77	58.3	62.0	62.4	16	34	72	Springtown Blvd	South of Redwood Rd	3,972	40	0.0%	99.9%	0.1%	0.0%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
78	69.8	73.6	73.9	92	197	425	Stanley Blvd	East of Fenton St	36,122	35	0.0%	92.9%	3.7%	3.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
79	71.4	75.1	75.5	116	249	537	Stanley Blvd	West of Murdell Ln	48,963	35	0.0%	93.0%	3.7%	3.3%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
80	72.4	76.1	76.5	136	293	632	Stanley Blvd	West of Murrieta Blvd	48,366	40	0.0%	92.9%	3.7%	3.3%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
81	58.1	61.8	62.2	15	32	70	Sunflower Ct	East of Bluebell Dr	4,524	30	0.0%	96.2%	1.9%	1.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
82	71.1	74.8	75.2	110	238	512	Tesla Rd	East of Greenville Rd	18,503	45	0.0%	85.3%	5.3%	9.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
83	69.7	73.4	73.8	90	193	417	Vallecitos Rd	North of Isabel Ave	21,264	40	0.0%	89.1%	5.1%	5.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
84	47.6	51.3	51.7	3	6	14	Vancouver Wy	East of Darwin Ave	798	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
85	67.7	71.4	71.7	65	141	303	Vasco Rd	North of Dalton Ave	30,684	40	0.0%	98.8%	0.7%	0.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
86	70.1	73.8	74.2	95	205	442	Vasco Rd	North of Daphne Dr	29,772	45	0.0%	95.4%	3.2%	1.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
87	71.2	74.9	75.3	112	242	522	Vasco Rd	North of Preston Ave	38,873	45	0.0%	96.4%	2.4%	1.1%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
88	65.8	69.5	69.9	49	106	229	Vasco Rd	North of Tesla Ave	7,934	45	0.0%	90.5%	5.1%	4.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
89	70.3	74.0	74.4	99	212	458	Vasco Rd	South of Northfront Rd	49,501	40	0.0%	98.3%	1.0%	0.6%	75.0%	10.0%	15.0%	6	Soft	50	0.5	68
90	57.2	60.9	61.3	13	28	61	Vineyard Ave	East of Isabel Ave	2,525	35	0.0%	95.6%	2.1%	2.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
91	51.4	55.1	55.4	5	12	25	Wetmore Rd	West of Lagis Dr	879	35	0.0%	97.9%	1.1%	1.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
92	42.4	46.1	46.5	1	3	6	Wisteria Wy	East of Bluebell Dr	777	20	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20

Traffic Noise Calculator: FHWA 77-108 — **City of Livermore General Plan EIR (CLIV-05) Existing Interstate 580 Traffic Noise**

	Output						Inputs														Auto Inputs	
	dBA at 50 feet			Distance to CNEL Contour				Segment														
ID	$L_{eq\text{-}24hr}$	L_{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	From - To		ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	78.8	82.5	76.9	288	621	1337	Interstate 580	the East	Greenville Rd	190,000	65	0.0%	92.3%	1.5%	6.2%	75.0%	10.0%	15.0%	6	Soft	100	0.5	68
2	78.7	82.4	82.8	715	1541	3320	Interstate 580	Greenville Rd	First St	221,000	65	0.0%	95.6%	0.9%	3.5%	75.0%	10.0%	15.0%	6	Soft	100	0.5	68
3	79.0	82.7	83.1	745	1606	3459	Interstate 580	First St	the West	214,000	65	0.0%	93.6%	1.6%	4.8%	75.0%	10.0%	15.0%	6	Soft	100	0.5	68

Traffic Modeling Data

Segment	ROADWAY	LIMITS	ADT	COUNT DATE
1	Airway Blvd	East of Isabel Ave	7,433	May 29 - June 4, 2024
2	Airway Blvd	West of Isabel Ave	6,858	May 29 - June 4, 2024
3	Airway Blvd	South of North Canyons Pkwy	20,463	May 29 - June 4, 2024
4	Arroyo Rd	North of Concannon Blvd	5,815	May 29 - June 4, 2024
5	Arroyo Rd	North of Wetmore Rd	3,612	May 29 - June 4, 2024
6	Bluebell Dr	East of Springtown Blvd	14,329	Sept 10 -16, 2024
7	Bluebell Dr	South of Buckskin Rd	1,604	May 29 - June 4, 2024
8	Brisa St	East of Vasco Rd	9,081	May 29 - June 4, 2024
9	Catalina Dr	West of Wagoner Dr	2,346	May 29 - June 4, 2024
10	Chestnut St	East of P St	5,344	May 29 - June 4, 2024
11	College Ave	East of L St	5,336	Sept 10 - 16, 2024
12	Collier Canyon Rd	North of Portola Ave	4,689	Nov 5 - 11, 2024
13	Concannon Blvd	East of Arroyo Rd	12,541	May 29 - June 4, 2024
14	Concannon Blvd	East of Isabel Ave	11,262	May 29 - June 4, 2024
15	Concannon Blvd	West of Epson St	10,844	May 29 - June 4, 2024
16	Concannon Blvd	South of Livermore Ave	12,231	Sept 10 - 16, 2024
17	Dalton Ave	West of Vasco Rd	3,193	May 29 - June 4, 2024
18	East Ave	West of Jensen St	17,470	Sept 10 - 16, 2024
19	East Ave	West of Mines Rd	16,792	May 29 - June 4, 2024
20	East Ave	West of Research Ave	9,925	May 29 - June 4, 2024
21	El Caminito	South of Stanley Blvd	3,849	Sept 10 - 16, 2024
22	First St	West of S Livermore Ave	6,743	Sept 10 -16, 2024
23	First St	North of Portola Ave	27,306	May 29 - June 4, 2024
24	First St	South of I-580 EB Ramps	30,985	May 29 - June 4, 2024
25	First St	South of Inman St	16,762	Sept 10 - 16, 2024
26	First St	Btwn N and P St	7,901	May 29 - June 4, 2024
27	Fourth St	East of L St	15,458	Sept 10 - 16, 2024
28	Greenville Rd	North of East Ave	4,164	May 29 - June 4, 2024
29	Greenville Rd	North of Marathon Dr	7,297	May 29 - June 4, 2024
30	Greenville Rd	North of Southfront Rd	13,008	May 29 - June 4, 2024
31	Holmes St	South of Concannon Blvd	13,786	May 29 - June 4, 2024
32	Holmes St	North of Mocho St	19,032	Sept 10 - 16, 2024
33	Isabel Ave	North of Rickenbacker Cir	52,427	May 29 - June 4, 2024
34	Isabel Ave	South of Portola Ave	16,382	Nov 5 - 11, 2024
35	Isabel Ave	South of Vallecitos Rd	38,391	May 29 - June 4, 2024
36	Isabel Ave	North of Vineyard Ave	33,150	May 29 - June 4, 2024
37	Isabel Ave	North of Concannon Blvd	38,820	May 29 - June 4, 2024
38	Jack London Blvd	East of El Charro Rd	20,699	May 29 - June 4, 2024
39	Jack London Blvd	West of Isabel Ave	11,119	May 29 - June 4, 2024
40	Jack London Blvd	East of Hagemann Dr	11,864	May 29 - June 4, 2024
41	Junction Ave	East of North Livermore Ave	3,565	May 29 - June 4, 2024
42	L St	South of Pine St	4,879	May 29 - June 4, 2024
43	L St	North of College Ave	6,656	Sept 10 - 16, 2024
44	Las Positas Rd	East of North Livermore Ave	12,709	May 29 - June 4, 2024
45	Las Positas Rd	West of First St	8,860	May 29 - June 4, 2024
46	Las Positas Rd	West of Vasco Rd	9,342	May 29 - June 4, 2024
47	Laughlin Rd	North of Northfront Rd	2,197	May 29 - June 4, 2024
48	Lexington Wy	East of Norwood Rd	1,712	May 29 - June 4, 2024
49	Livermore Ave	South of Chestnut St	16,490	Sept 10 - 16, 2024
50	Livermore Ave	South of I-580 EB Ramps	27,764	Sept 10 - 16, 2024
51	Livermore Ave	South of Concannon Blvd	14,595	Sept 10 - 16, 2024
52	Livermore Ave	South of Seventh St	7,289	Sept 10 - 16, 2024
53	Maple St	South of Second St	5,512	Sept 10 - 16, 2024
54	Mines Rd	North of East Ave	8,693	May 29 - June 4, 2024
55	Mines Rd	South of First St	18,492	May 29 - June 4, 2024
56	Mines Rd	South of Las Positas Rd	3,679	May 29 - June 4, 2024
57	Murdell Ln	South of Stanley Blvd	4,674	Sept 10 - 16, 2024
58	Murrieta Blvd	North of Stanley Blvd	16,121	May 29 - June 4, 2024
59	Murrieta Blvd	South of Portola Ave	8,159	May 29 - June 4, 2024
60	Murrieta Blvd	West of Holmes St	13,944	Sept 10 - 16, 2024
61	North Canyons Pkwy	East of Airway Blvd	16,588	Nov 5 - 11, 2024
62	Northfront Rd	East of Vasco Rd	12,038	May 29 - June 4, 2024
63	Olivina Ave	East of Albatross Ave	4,307	May 29 - June 4, 2024
64	Olivina Ave	West of Murrieta Blvd	4,292	May 29 - June 4, 2024
65	P St	South of Chestnut St	11,198	May 29 - June 4, 2024
66	P St	South of Portola Ave	4,347	Sept 10 - 16, 2024
67	Patterson Pass Rd	East of Greenville Rd	5,583	May 29 - June 4, 2024
68	Patterson Pass Rd	West of Shannon Ct	5,245	May 29 - June 4, 2024
69	Patterson Pass Rd	West of Vasco Rd	5,321	May 29 - June 4, 2024
70	Portola Ave	East of Isabel Ave	11,376	Nov 5 - 11, 2024
71	Portola Ave	East of Livermore Ave	10,045	Sept 10 - 16, 2024
72	Portola Ave	East of Murrieta Blvd	17,884	May 29 - June 4, 2024
73	Preston Ave	East of Vasco Rd	5,910	May 29 - June 4, 2024
74	Railroad Ave	East of P St	17,359	May 29 - June 4, 2024
75	Scenic Ave	West of Vasco Rd	4,613	May 29 - June 4, 2024
76	Southfront Rd	East of Leisure St	2,416	May 29 - June 4, 2024
77	Springtown Blvd	South of Redwood Rd	3,995	May 29 - June 4, 2024
78	Stanley Blvd	East of Fenton St	17,222	Sept 10 - 16, 2024

2020 Model	Segment	Name	Lanes	Speed	Auto	Medium	Large	ADT	MT%	HT%	Lanes
	1	Airway	1	35	6,657	117	114	6,888	1.7%	1.7%	2
	2	Airway	1	40	8,109	113	51	8,274	1.4%	0.6%	2
	3	Airway	2	45	13,848	349	87	14,284	2.4%	0.6%	4
	4	Arroyo	1	35	2,143	1	0	2,144	0.0%	0.0%	2
	5	Arroyo	1	35	604	1	0	606	0.2%	0.0%	2
	6	Bluebell	1	30	9,007	44	41	9,092	0.5%	0.5%	2
	7	Bluebell	1	30	1,146	1	0	1,146	0.0%	0.0%	2
	8	Brisa	2	25	9,484	196	22	9,702	2.0%	0.2%	4
	9	Catalina	1	30	1,445	0	0	1,446	0.0%	0.0%	2
	10	Chestnut	1	30	3,000	16	2	3,018	0.5%	0.1%	2
	11	College	1	25	2,733	3	2	2,738	0.1%	0.1%	2
	12	Collier Canyon	2	40	1,388	16	2	1,406	1.1%	0.1%	4
	13	Concannon	1	40	9,046	584	759	10,389	5.6%	7.3%	2
	14	Concannon	2	35	14,654	139	166	14,959	0.9%	1.1%	4
	15	Concannon	2	35	10,554	586	759	11,899	4.9%	6.4%	4
	16	Concannon	1	45	9,093	586	759	10,438	5.6%	7.3%	2
	17	Dalton	1	40	3,606	21	8	3,634	0.6%	0.2%	2
	18	East	2	30	15,638	436	82	16,156	2.7%	0.5%	4
	19	East	2	40	13,336	439	79	13,854	3.2%	0.6%	4
	20	East	2	40	15,169	680	112	15,961	4.3%	0.7%	4
	21	El Caminito	1	30	2,628	4	0	2,633	0.2%	0.0%	2
	22	First	2	30	4,244	56	4	4,304	1.3%	0.1%	4
	23	First	3	30	34,129	1,274	1,249	36,653	3.5%	3.4%	6
	24	First	3	35	24,070	759	936	25,765	2.9%	3.6%	6
	25	First	2	35	20,236	839	889	21,963	3.8%	4.0%	4
	26	First	1	30	4,251	46	5	4,302	1.1%	0.1%	2
	27	Fourth	2	35	17,418	572	324	18,315	3.1%	1.8%	4
	28	Greenville	1	40	1,120	30	19	1,169	2.5%	1.6%	2
	29	Greenville	1	40	2,566	54	9	2,629	2.0%	0.4%	2
	30	Greenville	2	40	6,671	90	22	6,784	1.3%	0.3%	4
	31	Holmes	2	35	13,689	719	784	15,192	4.7%	5.2%	4
	32	Holmes	2	35	15,747	268	189	16,205	1.7%	1.2%	4
	33	Isabel	3	45	39,717	1,315	1,020	42,052	3.1%	2.4%	6
	34	Isabel	2	35	5,958	187	138	6,283	3.0%	2.2%	4
	35	SR 84	2	50	39,049	1,983	1,862	42,893	4.6%	4.3%	4
	36	Isabel	2	55	35,892	1,343	1,171	38,406	3.5%	3.0%	4
	37	Isabel	2	50	36,382	1,222	1,019	38,623	3.2%	2.6%	4
	38	Jack London	2	40	20,748	306	104	21,157	1.4%	0.5%	4
	39	Jack London	2	35	13,386	155	81	13,621	1.1%	0.6%	4
	40	Jack London	2	35	16,115	206	86	16,408	1.3%	0.5%	4
	41	Junction	1	30	1,440	11	1	1,452	0.8%	0.1%	2
	42	L St	2	30	2,172	12	1	2,185	0.6%	0.0%	4
	43	L	2	30	1,872	3	2	1,877	0.2%	0.1%	4
	44	Las Positas	2	45	21,318	688	474	22,480	3.1%	2.1%	4
	45	Las Positas	2	35	6,707	254	194	7,156	3.6%	2.7%	4
	46	Las Positas	2	35	1,237	40	3	1,280	3.1%	0.3%	4
	47	Laughlin	1	35	1,282	0	0	1,282	0.0%	0.0%	2
	48	Lexington	1	20	1,700	0	0	1,700	0.0%	0.0%	2
	49	N Livermore	2	35	20,386	258	195	20,839	1.2%	0.9%	4
	50	N Livermore	2	45	28,893	695	478	30,065	2.3%	1.6%	4
	51	S. Livermore	1	40	10,756	703	934	12,393	5.7%	7.5%	2
	52	S. Livermore	1	35	6,247	159	177	6,583	2.4%	2.7%	2
	53	Maple	1	30	5,665	51	5	5,721	0.9%	0.1%	2
	54	Mines	2	40	9,339	282	38	9,660	2.9%	0.4%	4
	55	Mines	2	40	23,448	843	625	24,916	3.4%	2.5%	4
	56	Mines	1	35	10,617	378	206	11,200	3.4%	1.8%	2
	57	Murdell	1	30	5,541	2	0	5,543	0.0%	0.0%	2
	58	Murrieta	2	35	9,764	66	5	9,835	0.7%	0.1%	4
	59	Murrieta	2	35	3,691	15	7	3,712	0.4%	0.2%	4
	60	Murrieta	2	35	11,235	357	146	11,739	3.0%	1.2%	4
	61	North Canyons	2	40	12,932	316	82	13,331	2.4%	0.6%	4
	62	Northfont	2	45	5,422	70	48	5,540	1.3%	0.9%	4
	63	Olivina	1	30	2,515	13	2	2,529	0.5%	0.1%	2
	64	Olivina	1	30	2,984	1	0	2,985	0.0%	0.0%	2
	65	P St	2	30	4,839	14	1	4,855	0.3%	0.0%	4
	66	P St	1	30	1,725	5	0	1,731	0.3%	0.0%	2
	67	Patterson Pass	1	25	8,715	468	676	9,859	4.7%	6.9%	2
	68	Patterson Pass	2	45	9,780	497	679	10,956	4.5%	6.2%	4
	69	Patterson Pass	2	40	11,611	547	585	12,743	4.3%	4.6%	4
	70	Portola	2	35	9,460	256	192	9,908	2.6%	1.9%	4
	71	Portola	2	35	7,183	255	194	7,632	3.3%	2.5%	4
	72	Portola	2	35	17,226	404	315	17,945	2.3%	1.8%	4
	73	Preston	1	35	9,094	338	47	9,479	3.6%	0.5%	2
	74	Railroad	2	30	20,566	887	979	22,432	4.0%	4.4%	4
	75	Scenic	1	30	2,237	0	0	2,237	0.0%	0.0%	2
	76	Southfront	1	35	822	16	3	840	1.8%	0.3%	2
	77	Springtown	2	40	3,838	1	0	3,839	0.0%	0.0%	4
	78	Stanley	2	35	23,798	980	989	25,767	3.8%	3.8%	4

79	Stanley Blvd	West of Murdell Ln	**22,284**	**Sept 10 - 16, 2024**
80	Stanley Blvd	West of Murrieta Blvd	**26,231**	**May 29 - June 4, 2024**
81	Sunflower Ct	East of Bluebell Dr	**3,363**	**May 29 - June 4, 2024**
82	Tesla Rd	East of Greenville Rd	**4,743**	**May 29 - June 4, 2024**
83	Vallecitos Rd	North of Isabel Ave	**11,031**	**May 29 - June 4, 2024**
84	Vancouver Wy	East of Darwin Ave	**2,927**	**May 29 - June 4, 2024**
85	Vasco Rd	North of Dalton Ave	**24,839**	**May 29 - June 4, 2024**
86	Vasco Rd	North of Daphne Dr	**19,212**	**May 29 - June 4, 2024**
87	Vasco Rd	North of Preston Ave	**35,530**	**Sept 10 - 16, 2024**
88	Vasco Rd	North of Tesla Ave	**8,163**	**May 29 - June 4, 2024**
89	Vasco Rd	South of Northfront Rd	**42,685**	**May 29 - June 4, 2024**
90	Vineyard Ave	East of Isabel Ave	**5,600**	**May 29 - June 4, 2024**
91	Wetmore Rd	West of Lagis Dr	**3,336**	**May 29 - June 4, 2024**
92	Wisteria Wy	East of Bluebell Dr	**3,114**	**May 29 - June 4, 2024**

184

79	Stanley	2	35	32,804	1,308	1,135	35,247		3.7%	3.2%	4
80	Stanley	2	40	31,512	1,305	1,135	33,952		3.8%	3.3%	4
81	Sunflower	1	30	2,185	35	41	2,260		1.6%	1.8%	2
82	Tesla	1	45	8,741	521	934	10,196		5.1%	9.2%	2
83	Vallecitos	1	40	11,260	701	760	12,721		5.5%	6.0%	2
84	Vancouver	1	30	671	1	0	672		0.2%	0.0%	2
85	Vasco	1	40	24,551	160	87	24,799		0.6%	0.4%	2
86	Vasco	2	45	20,833	767	112	21,711		3.5%	0.5%	4
87	Vasco	2	45	29,029	936	358	30,324		3.1%	1.2%	4
88	Vasco	1	45	4,319	230	76	4,625		5.0%	1.7%	2
89	Vasco	2	40	38,734	231	92	39,056		0.6%	0.2%	4
90	Vineyard	1	35	2,134	23	25	2,182		1.1%	1.1%	2
91	Wetmore	1	35	890	1	0	891		0.2%	0.0%	2
92	Wisteria	1	20	815	0	0	815		0.0%	0.0%	2
				1,051,210	**31,864**	**25,994**	**1,109,071**	**2,218,139**			

Segment	ROADWAY	LIMITS	ADT	COUNT DATE
1	Airway Blvd	East of Isabel Ave	7,433	May 29 - June 4, 2024
2	Airway Blvd	West of Isabel Ave	6,858	May 29 - June 4, 2024
3	Airway Blvd	South of North Canyons Pkwy	20,463	May 29 - June 4, 2024
4	Arroyo Rd	North of Concannon Blvd	5,815	May 29 - June 4, 2024
5	Arroyo Rd	North of Wetmore Rd	3,612	May 29 - June 4, 2024
6	Bluebell Dr	East of Springtown Blvd	14,329	Sept 10 -16, 2024
7	Bluebell Dr	South of Buckskin Rd	1,604	May 29 - June 4, 2024
8	Brisa St	East of Vasco Rd	9,081	May 29 - June 4, 2024
9	Catalina Dr	West of Wagoner Dr	2,346	May 29 - June 4, 2024
10	Chestnut St	East of P St	5,344	May 29 - June 4, 2024
11	College Ave	East of L St	5,336	Sept 10 - 16, 2024
12	Collier Canyon Rd	North of Portola Ave	4,689	Nov 5 - 11, 2024
13	Concannon Blvd	East of Arroyo Rd	12,541	May 29 - June 4, 2024
14	Concannon Blvd	East of Isabel Ave	11,262	May 29 - June 4, 2024
15	Concannon Blvd	West of Epson St	10,844	May 29 - June 4, 2024
16	Concannon Blvd	South of Livermore Ave	12,231	Sept 10 - 16, 2024
17	Dalton Ave	West of Vasco Rd	3,193	May 29 - June 4, 2024
18	East Ave	West of Jensen St	17,470	Sept 10 - 16, 2024
19	East Ave	West of Mines Rd	16,792	May 29 - June 4, 2024
20	East Ave	West of Research Ave	9,925	May 29 - June 4, 2024
21	El Caminito	South of Stanley Blvd	3,849	Sept 10 - 16, 2024
22	First St	West of S Livermore Ave	6,743	Sept 10 -16, 2024
23	First St	North of Portola Ave	27,306	May 29 - June 4, 2024
24	First St	South of I-580 EB Ramps	30,985	May 29 - June 4, 2024
25	First St	South of Inman St	16,762	Sept 10 - 16, 2024
26	First St	Btwn N and P St	7,901	May 29 - June 4, 2024
27	Fourth St	East of L St	15,458	Sept 10 - 16, 2024
28	Greenville Rd	North of East Ave	4,164	May 29 - June 4, 2024
29	Greenville Rd	North of Marathon Dr	7,297	May 29 - June 4, 2024
30	Greenville Rd	North of Southfront Rd	13,008	May 29 - June 4, 2024
31	Holmes St	South of Concannon Blvd	13,786	May 29 - June 4, 2024
32	Holmes St	North of Mocho St	19,032	Sept 10 - 16, 2024
33	Isabel Ave	North of Rickenbacker Cir	52,427	May 29 - June 4, 2024
34	Isabel Ave	South of Portola Ave	16,382	Nov 5 - 11, 2024
35	Isabel Ave	South of Vallecitos Rd	38,391	May 29 - June 4, 2024
36	Isabel Ave	North of Vineyard Ave	33,150	May 29 - June 4, 2024
37	Isabel Ave	North of Concannon Blvd	38,820	May 29 - June 4, 2024
38	Jack London Blvd	East of El Charro Rd	20,699	May 29 - June 4, 2024
39	Jack London Blvd	West of Isabel Ave	11,119	May 29 - June 4, 2024
40	Jack London Blvd	East of Hagemann Dr	11,864	May 29 - June 4, 2024
41	Junction Ave	East of North Livermore Ave	3,565	May 29 - June 4, 2024
42	L St	South of Pine St	4,879	May 29 - June 4, 2024
43	L St	North of College Ave	6,656	Sept 10 - 16, 2024
44	Las Positas Rd	East of North Livermore Ave	12,709	May 29 - June 4, 2024
45	Las Positas Rd	West of First St	8,860	May 29 - June 4, 2024
46	Las Positas Rd	West of Vasco Rd	9,342	May 29 - June 4, 2024
47	Laughlin Rd	North of Northfront Rd	2,197	May 29 - June 4, 2024
48	Lexington Wy	East of Norwood Rd	1,712	May 29 - June 4, 2024
49	Livermore Ave	South of Chestnut St	16,490	Sept 10 - 16, 2024
50	Livermore Ave	South of I-580 EB Ramps	27,764	Sept 10 - 16, 2024
51	Livermore Ave	South of Concannon Blvd	14,595	Sept 10 - 16, 2024
52	Livermore Ave	South of Seventh St	7,289	Sept 10 - 16, 2024
53	Maple St	South of Second St	5,512	Sept 10 - 16, 2024
54	Mines Rd	North of East Ave	8,693	May 29 - June 4, 2024
55	Mines Rd	South of First St	18,492	May 29 - June 4, 2024
56	Mines Rd	South of Las Positas Rd	3,679	May 29 - June 4, 2024
57	Murdell Ln	South of Stanley Blvd	4,674	Sept 10 - 16, 2024
58	Murrieta Blvd	North of Stanley Blvd	16,121	May 29 - June 4, 2024
59	Murrieta Blvd	South of Portola Ave	8,159	May 29 - June 4, 2024
60	Murrieta Blvd	West of Holmes St	13,944	Sept 10 - 16, 2024
61	North Canyons Pkwy	East of Airway Blvd	16,588	Nov 5 - 11, 2024
62	Northfront Rd	East of Vasco Rd	12,038	May 29 - June 4, 2024
63	Olivina Ave	East of Albatross Ave	4,307	May 29 - June 4, 2024
64	Olivina Ave	West of Murrieta Blvd	4,292	May 29 - June 4, 2024
65	P St	South of Chestnut St	11,198	May 29 - June 4, 2024
66	P St	South of Portola Ave	4,347	Sept 10 - 16, 2024
67	Patterson Pass Rd	East of Greenville Rd	5,583	May 29 - June 4, 2024
68	Patterson Pass Rd	West of Shannon Ct	5,245	May 29 - June 4, 2024
69	Patterson Pass Rd	West of Vasco Rd	5,321	May 29 - June 4, 2024
70	Portola Ave	East of Isabel Ave	11,376	Nov 5 - 11, 2024
71	Portola Ave	East of Livermore Ave	10,045	Sept 10 - 16, 2024
72	Portola Ave	East of Murrieta Blvd	17,884	May 29 - June 4, 2024
73	Preston Ave	East of Vasco Rd	5,910	May 29 - June 4, 2024
74	Railroad Ave	East of P St	17,359	May 29 - June 4, 2024
75	Scenic Ave	West of Vasco Rd	4,613	May 29 - June 4, 2024
76	Southfront Rd	East of Leisure St	2,416	May 29 - June 4, 2024
77	Springtown Blvd	South of Redwood Rd	3,995	May 29 - June 4, 2024
78	Stanley Blvd	East of Fenton St	17,222	Sept 10 - 16, 2024

2045 Model - Existing GP

Segment	Name	Lanes	Speed	Auto	Medium	Large	ADT	MT%	HT%	Lanes
1	Airway	1	35	11,384	154	137	11,675	1.3%	1.2%	2
2	Airway	1	40	10,207	181	104	10,493	1.7%	1.0%	2
3	Airway	3	45	27,499	596	154	28,249	2.1%	0.5%	6
4	Arroyo	1	35	3,271	57	55	3,384	1.7%	1.6%	2
5	Arroyo	1	35	432	1	0	433	0.3%	0.0%	2
6	Bluebell	1	30	13,194	79	64	13,337	0.6%	0.5%	2
7	Bluebell	1	30	2,540	4	1	2,545	0.2%	0.0%	2
8	Brisa	2	25	9,894	198	22	10,114	2.0%	0.2%	4
9	Catalina	1	30	1,425	1	0	1,426	0.0%	0.0%	2
10	Chestnut	1	30	5,630	100	84	5,814	1.7%	1.5%	2
11	College	1	25	5,790	109	94	5,993	1.8%	1.6%	2
12	Collier Canyon	2	40	4,925	17	2	4,944	0.3%	0.0%	4
13	Concannon	1	40	12,433	843	1,260	14,536	5.8%	8.7%	2
14	Concannon	2	35	20,346	447	601	21,394	2.1%	2.8%	4
15	Concannon	2	35	15,196	901	1,315	17,413	5.2%	7.6%	4
16	Concannon	1	45	12,149	845	1,260	14,254	5.9%	8.8%	2
17	Dalton	1	40	6,100	181	188	6,469	2.8%	2.9%	2
18	East	2	30	23,087	739	500	24,327	3.0%	2.1%	4
19	East	2	40	22,857	758	501	24,115	3.1%	2.1%	4
20	East	2	40	24,152	994	529	25,675	3.9%	2.1%	4
21	El Caminito	1	30	2,752	4	0	2,756	0.1%	0.0%	2
22	First	2	30	7,187	174	147	7,508	2.3%	2.0%	4
23	First	3	30	52,458	2,148	2,045	56,650	3.8%	3.6%	6
24	First	3	35	49,584	1,544	1,463	52,591	2.9%	2.8%	6
25	First	2	35	26,664	1,142	1,147	28,954	3.9%	4.0%	4
26	First	1	30	8,218	177	159	8,554	2.1%	1.9%	2
27	Fourth	2	35	27,690	1,042	868	29,600	3.5%	2.9%	4
28	Greenville	2	40	3,300	122	113	3,535	3.5%	3.2%	4
29	Greenville	2	40	4,063	87	42	4,192	2.1%	1.0%	4
30	Greenville	3	40	13,586	444	419	14,449	3.1%	2.9%	6
31	Holmes	2	35	23,824	1,176	1,313	26,313	4.5%	5.0%	4
32	Holmes	2	35	27,236	711	598	28,545	2.5%	2.1%	4
33	Isabel	3	45	59,934	2,054	1,550	63,538	3.2%	2.4%	6
34	Isabel	2	35	16,163	407	211	16,781	2.4%	1.3%	4
35	SR 84	2	50	72,979	3,767	3,626	80,373	4.7%	4.5%	4
36	Isabel	2	55	59,421	2,679	2,416	64,516	4.2%	3.7%	4
37	Isabel	2	50	58,357	2,345	1,924	62,627	3.7%	3.1%	4
38	Jack London	2	40	35,168	582	261	36,011	1.6%	0.7%	4
39	Jack London	2	35	22,061	409	232	22,702	1.8%	1.0%	4
40	Jack London	2	35	22,507	401	260	23,167	1.7%	1.1%	4
41	Junction	1	30	1,770	16	1	1,787	0.9%	0.1%	2
42	L St	2	30	2,853	17	1	2,871	0.6%	0.0%	4
43	L	2	30	4,907	109	94	5,110	2.1%	1.8%	4
44	Las Positas	2	45	32,621	1,203	1,056	34,880	3.4%	3.0%	4
45	Las Positas	2	35	15,458	607	554	16,620	3.7%	3.3%	4
46	Las Positas	2	35	9,547	228	162	9,937	2.3%	1.6%	4
47	Laughlin	1	35	1,278	0	0	1,279	0.0%	0.0%	2
48	Lexington	1	20	1,583	0	0	1,584	0.0%	0.0%	2
49	N Livermore	2	35	28,720	503	379	29,602	1.7%	1.3%	4
50	N Livermore	2	45	33,262	1,043	864	35,169	3.0%	2.5%	4
51	S. Livermore	1	40	13,705	982	1,460	16,147	6.1%	9.0%	2
52	S. Livermore	1	35	6,652	187	199	7,038	2.7%	2.8%	2
53	Maple	1	30	5,924	121	81	6,126	2.0%	1.3%	2
54	Mines	2	40	10,714	283	43	11,041	2.6%	0.4%	4
55	Mines	2	40	29,734	1,334	1,330	32,398	4.1%	4.1%	4
56	Mines	1	35	9,974	512	487	10,973	4.7%	4.4%	2
57	Murdell	1	30	6,034	2	0	6,037	0.0%	0.0%	2
58	Murrieta	2	35	14,539	156	26	14,721	1.1%	0.2%	4
59	Murrieta	2	35	5,228	36	34	5,298	0.7%	0.6%	4
60	Murrieta	2	35	18,540	573	456	19,568	2.9%	2.3%	4
61	North Canyons	2	40	31,738	754	261	32,753	2.3%	0.8%	4
62	Northfont	2	45	12,730	330	322	13,381	2.5%	2.4%	4
63	Olivina	1	30	5,897	102	84	6,083	1.7%	1.4%	2
64	Olivina	1	30	5,711	74	49	5,834	1.3%	0.8%	2
65	P St	2	30	6,066	24	2	6,092	0.4%	0.0%	4
66	P St	1	30	2,580	11	0	2,592	0.4%	0.0%	2
67	Patterson Pass	1	25	17,229	1,147	1,648	20,024	5.7%	8.2%	2
68	Patterson Pass	2	45	19,039	1,224	1,719	21,982	5.6%	7.8%	4
69	Patterson Pass	2	40	17,251	1,051	1,297	19,600	5.4%	6.6%	4
70	Portola	2	35	24,646	636	417	25,699	2.5%	1.6%	4
71	Portola	2	35	13,731	560	505	14,796	3.8%	3.4%	4
72	Portola	2	35	30,304	765	574	31,643	2.4%	1.8%	4
73	Preston	1	35	11,004	446	170	11,620	3.8%	1.5%	2
74	Railroad	2	30	28,957	1,176	1,171	31,304	3.8%	3.7%	4
75	Scenic	1	30	2,750	3	1	2,755	0.1%	0.1%	2
76	Southfront	1	35	2,823	102	111	3,036	3.4%	3.6%	2
77	Springtown	2	40	5,493	4	1	5,498	0.1%	0.0%	4
78	Stanley	2	35	32,861	1,322	1,243	35,426	3.7%	3.5%	4

79	Stanley Blvd	West of Murdell Ln	**22,284**	**Sept 10 - 16, 2024**
80	Stanley Blvd	West of Murrieta Blvd	**26,231**	**May 29 - June 4, 2024**
81	Sunflower Ct	East of Bluebell Dr	**3,363**	**May 29 - June 4, 2024**
82	Tesla Rd	East of Greenville Rd	**4,743**	**May 29 - June 4, 2024**
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184

79	Stanley	3	35	45,168	1,790	1,678	48,636	3.7%	3.5%	6
80	Stanley	3	40	43,609	1,787	1,678	47,074	3.8%	3.6%	6
81	Sunflower	1	30	3,388	65	63	3,516	1.8%	1.8%	2
82	Tesla	1	45	15,983	948	1,665	18,595	5.1%	9.0%	2
83	Vallecitos	1	40	19,915	1,125	1,255	22,294	5.0%	5.6%	2
84	Vancouver	1	30	957	2	0	959	0.2%	0.0%	2
85	Vasco	1	40	30,272	219	141	30,632	0.7%	0.5%	2
86	Vasco	2	45	27,986	896	400	29,281	3.1%	1.4%	4
87	Vasco	3	45	36,825	837	352	38,014	2.2%	0.9%	6
88	Vasco	1	45	6,987	395	297	7,679	5.1%	3.9%	2
89	Vasco	3	40	48,647	477	347	49,471	1.0%	0.7%	6
90	Vineyard	1	35	2,860	58	60	2,978	2.0%	2.0%	2
91	Wetmore	1	35	655	2	0	657	0.3%	0.0%	2
92	Wisteria	1	20	858	0	0	858	0.0%	0.0%	2
				1,633,625	**54,868**	**50,402**	**1,738,897**	**####**		

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50	Livermore Ave	South of I-580 EB Ramps	27,764	Sept 10 - 16, 2024
51	Livermore Ave	South of Concannon Blvd	14,595	Sept 10 - 16, 2024
52	Livermore Ave	South of Seventh St	7,289	Sept 10 - 16, 2024
53	Maple St	South of Second St	5,512	Sept 10 - 16, 2024
54	Mines Rd	North of East Ave	8,693	May 29 - June 4, 2024
55	Mines Rd	South of First St	18,492	May 29 - June 4, 2024
56	Mines Rd	South of Las Positas Rd	3,679	May 29 - June 4, 2024
57	Murdell Ln	South of Stanley Blvd	4,674	Sept 10 - 16, 2024
58	Murrieta Blvd	North of Stanley Blvd	16,121	May 29 - June 4, 2024
59	Murrieta Blvd	South of Portola Ave	8,159	May 29 - June 4, 2024
60	Murrieta Blvd	West of Holmes St	13,944	Sept 10 - 16, 2024
61	North Canyons Pkwy	East of Airway Blvd	16,588	Nov 5 - 11, 2024
62	Northfront Rd	East of Vasco Rd	12,038	May 29 - June 4, 2024
63	Olivina Ave	East of Albatross Ave	4,307	May 29 - June 4, 2024
64	Olivina Ave	West of Murrieta Blvd	4,292	May 29 - June 4, 2024
65	P St	South of Chestnut St	11,198	May 29 - June 4, 2024
66	P St	South of Portola Ave	4,347	Sept 10 - 16, 2024
67	Patterson Pass Rd	East of Greenville Rd	5,583	May 29 - June 4, 2024
68	Patterson Pass Rd	West of Shannon Ct	5,245	May 29 - June 4, 2024
69	Patterson Pass Rd	West of Vasco Rd	5,321	May 29 - June 4, 2024
70	Portola Ave	East of Isabel Ave	11,376	Nov 5 - 11, 2024
71	Portola Ave	East of Livermore Ave	10,045	Sept 10 - 16, 2024
72	Portola Ave	East of Murrieta Blvd	17,884	May 29 - June 4, 2024
73	Preston Ave	East of Vasco Rd	5,910	May 29 - June 4, 2024
74	Railroad Ave	East of P St	17,359	May 29 - June 4, 2024
75	Scenic Ave	West of Vasco Rd	4,613	May 29 - June 4, 2024
76	Southfront Rd	East of Leisure St	2,416	May 29 - June 4, 2024
77	Springtown Blvd	South of Redwood Rd	3,995	May 29 - June 4, 2024
78	Stanley Blvd	East of Fenton St	17,222	Sept 10 - 16, 2024

2045 Model - Proposed GP	Segment	Name	Lanes	Speed	Auto	Medium	Large	ADT	MT%	HT%	Lanes
	1	Airway	1	35	8,914	192	190	9,296	2.1%	2.0%	2
	2	Airway	1	40	8,928	165	87	9,179	1.8%	0.9%	2
	3	Airway	3	45	24,220	396	90	24,706	1.6%	0.4%	6
	4	Arroyo	1	35	3,607	54	67	3,729	1.5%	1.8%	2
	5	Arroyo	1	35	684	8	8	700	1.2%	1.2%	2
	6	Bluebell	1	30	10,520	100	86	10,706	0.9%	0.8%	2
	7	Bluebell	1	30	3,132	12	2	3,145	0.4%	0.1%	2
	8	Brisa	2	25	9,981	195	22	10,199	1.9%	0.2%	4
	9	Catalina	1	30	1,573	1	0	1,574	0.0%	0.0%	2
	10	Chestnut	1	30	5,597	68	43	5,707	1.2%	0.8%	2
	11	College	1	25	5,482	111	126	5,719	1.9%	2.2%	2
	12	Collier Canyon	2	40	4,896	15	2	4,913	0.3%	0.0%	4
	13	Concannon	1	40	11,942	847	1,308	14,097	6.0%	9.3%	2
	14	Concannon	2	35	20,314	434	598	21,346	2.0%	2.8%	4
	15	Concannon	2	35	14,818	903	1,375	17,095	5.3%	8.0%	4
	16	Concannon	1	45	11,813	852	1,316	13,982	6.1%	9.4%	2
	17	Dalton	1	40	5,805	183	199	6,187	3.0%	3.2%	2
	18	East	2	30	23,410	721	501	24,632	2.9%	2.0%	4
	19	East	2	40	22,697	730	501	23,927	3.1%	2.1%	4
	20	East	2	40	24,786	923	537	26,246	3.5%	2.0%	4
	21	El Caminito	1	30	2,596	3	0	2,599	0.1%	0.0%	2
	22	First	2	30	7,211	163	118	7,491	2.2%	1.6%	4
	23	First	3	30	52,800	2,098	1,948	56,847	3.7%	3.4%	6
	24	First	3	35	46,535	1,624	1,504	49,663	3.3%	3.0%	6
	25	First	2	35	27,737	1,197	1,172	30,105	4.0%	3.9%	4
	26	First	1	30	8,357	195	161	8,713	2.2%	1.8%	2
	27	Fourth	2	35	28,216	1,006	816	30,039	3.4%	2.7%	4
	28	Greenville	2	40	4,555	160	170	4,885	3.3%	3.5%	4
	29	Greenville	2	40	4,978	104	54	5,136	2.0%	1.1%	4
	30	Greenville	3	40	12,367	401	323	13,091	3.1%	2.5%	6
	31	Holmes	2	35	22,554	1,125	1,278	24,957	4.5%	5.1%	4
	32	Holmes	2	35	26,262	649	501	27,411	2.4%	1.8%	4
	33	Isabel	3	45	54,709	1,829	1,514	58,052	3.2%	2.6%	6
	34	Isabel	2	35	14,737	279	200	15,216	1.8%	1.3%	4
	35	SR 84	2	50	72,773	3,677	3,659	80,109	4.6%	4.6%	4
	36	Isabel	2	55	60,460	2,636	2,478	65,573	4.0%	3.8%	4
	37	Isabel	2	50	57,740	2,238	1,893	61,871	3.6%	3.1%	4
	38	Jack London	2	40	33,591	595	273	34,459	1.7%	0.8%	4
	39	Jack London	2	35	21,603	426	249	22,278	1.9%	1.1%	4
	40	Jack London	2	35	21,266	437	286	21,989	2.0%	1.3%	4
	41	Junction	1	30	2,287	21	2	2,310	0.9%	0.1%	2
	42	L St	2	30	3,028	20	2	3,050	0.7%	0.1%	4
	43	L	2	30	4,662	111	126	4,899	2.3%	2.6%	4
	44	Las Positas	2	45	33,502	1,221	1,101	35,825	3.4%	3.1%	4
	45	Las Positas	2	35	14,674	526	506	15,706	3.3%	3.2%	4
	46	Las Positas	2	35	12,274	261	151	12,686	2.1%	1.2%	4
	47	Laughlin	1	35	3,759	35	11	3,805	0.9%	0.3%	2
	48	Lexington	1	20	1,603	0	0	1,603	0.0%	0.0%	2
	49	N Livermore	2	35	28,707	438	279	29,424	1.5%	0.9%	4
	50	N Livermore	2	45	34,135	1,102	968	36,205	3.0%	2.7%	4
	51	S. Livermore	1	40	13,217	993	1,520	15,730	6.3%	9.7%	2
	52	S. Livermore	1	35	5,215	152	168	5,534	2.7%	3.0%	2
	53	Maple	1	30	7,344	127	69	7,540	1.7%	0.9%	2
	54	Mines	2	40	10,366	235	40	10,641	2.2%	0.4%	4
	55	Mines	2	40	28,130	1,280	1,346	30,756	4.2%	4.4%	4
	56	Mines	1	35	9,455	468	477	10,400	4.5%	4.6%	2
	57	Murdell	1	30	5,727	2	0	5,729	0.0%	0.0%	2
	58	Murrieta	2	35	12,977	183	91	13,251	1.4%	0.7%	4
	59	Murrieta	2	35	4,063	12	2	4,077	0.3%	0.0%	4
	60	Murrieta	2	35	18,243	595	495	19,333	3.1%	2.6%	4
	61	North Canyons	2	40	29,797	457	164	30,419	1.5%	0.5%	4
	62	Northfont	2	45	14,425	355	278	15,059	2.4%	1.8%	4
	63	Olivina	1	30	5,750	67	42	5,859	1.1%	0.7%	2
	64	Olivina	1	30	5,196	33	15	5,245	0.6%	0.3%	2
	65	P St	2	30	6,346	23	2	6,372	0.4%	0.0%	4
	66	P St	1	30	2,388	6	0	2,394	0.2%	0.0%	2
	67	Patterson Pass	1	25	16,871	1,158	1,701	19,730	5.9%	8.6%	2
	68	Patterson Pass	2	45	19,502	1,267	1,823	22,592	5.6%	8.1%	4
	69	Patterson Pass	2	40	17,320	1,035	1,305	19,660	5.3%	6.6%	4
	70	Portola	2	35	25,272	472	336	26,080	1.8%	1.3%	4
	71	Portola	2	35	13,609	514	489	14,612	3.5%	3.3%	4
	72	Portola	2	35	28,730	659	511	29,900	2.2%	1.7%	4
	73	Preston	1	35	10,581	425	144	11,150	3.8%	1.3%	2
	74	Railroad	2	30	30,451	1,210	1,144	32,806	3.7%	3.5%	4
	75	Scenic	1	30	3,363	9	2	3,375	0.3%	0.1%	2
	76	Southfront	1	35	2,130	97	101	2,328	4.2%	4.3%	2
	77	Springtown	2	40	3,968	3	0	3,972	0.1%	0.0%	4
	78	Stanley	2	35	33,563	1,354	1,205	36,122	3.7%	3.3%	4

79	Stanley Blvd	West of Murdell Ln	**22,284**	**Sept 10 - 16, 2024**
80	Stanley Blvd	West of Murrieta Blvd	**26,231**	**May 29 - June 4, 2024**
81	Sunflower Ct	East of Bluebell Dr	**3,363**	**May 29 - June 4, 2024**
82	Tesla Rd	East of Greenville Rd	**4,743**	**May 29 - June 4, 2024**
83	Vallecitos Rd	North of Isabel Ave	**11,031**	**May 29 - June 4, 2024**
84	Vancouver Wy	East of Darwin Ave	**2,927**	**May 29 - June 4, 2024**
85	Vasco Rd	North of Dalton Ave	**24,839**	**May 29 - June 4, 2024**
86	Vasco Rd	North of Daphne Dr	**19,212**	**May 29 - June 4, 2024**
87	Vasco Rd	North of Preston Ave	**35,530**	**Sept 10 - 16, 2024**
88	Vasco Rd	North of Tesla Ave	**8,163**	**May 29 - June 4, 2024**
89	Vasco Rd	South of Northfront Rd	**42,685**	**May 29 - June 4, 2024**
90	Vineyard Ave	East of Isabel Ave	**5,600**	**May 29 - June 4, 2024**
91	Wetmore Rd	West of Lagis Dr	**3,336**	**May 29 - June 4, 2024**
92	Wisteria Wy	East of Bluebell Dr	**3,114**	**May 29 - June 4, 2024**

184

79	Stanley	3	35	45,544	1,807	1,613	48,963	3.7%	3.3%	6
80	Stanley	3	40	44,949	1,803	1,613	48,366	3.7%	3.3%	6
81	Sunflower	1	30	4,353	86	85	4,524	1.9%	1.9%	2
82	Tesla	1	45	15,791	985	1,727	18,503	5.3%	9.3%	2
83	Vallecitos	1	40	18,947	1,086	1,231	21,264	5.1%	5.8%	2
84	Vancouver	1	30	798	0	0	798	0.0%	0.0%	2
85	Vasco	1	40	30,324	218	141	30,684	0.7%	0.5%	2
86	Vasco	2	45	28,393	939	441	29,772	3.2%	1.5%	4
87	Vasco	3	45	37,483	945	444	38,873	2.4%	1.1%	6
88	Vasco	1	45	7,181	404	348	7,934	5.1%	4.4%	2
89	Vasco	3	40	48,668	515	318	49,501	1.0%	0.6%	6
90	Vineyard	1	35	2,414	54	57	2,525	2.1%	2.2%	2
91	Wetmore	1	35	861	10	9	879	1.1%	1.0%	2
92	Wisteria	1	20	777	0	0	777	0.0%	0.0%	2
				1,613,279	**53,536**	**50,297**	**1,717,113**	**####**		

Railroad Modeling Results

Noise Model Based on Federal Transit Adminstration General Transit Noise Assessment
Developed for Chicago Create Project
Copyright 2006, HMMH Inc.
Case: UP Oakland Sub

RESULTS

Noise Source	Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
All Sources	65	62	58
Source 1	54	49	47
Source 2	51	46	44
Source 3	62	57	55
Source 4	62	60	54
Source 5	0	0	0
Source 6	0	0	0
Source 7	0	0	0
Source 8	0	0	0

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

Enter data for up to 8 noise sources below - see reference list for source numbers.

NOISE SOURCE PARAMETERS

Parameter	Source 1		Source 2		Source 3		Source 4	
Source Num.	Commuter Diesel Locomotive	2	Commuter Rail Cars	3	Freight Locomotive	9	Freight Cars	10
Distance (source to receiver)	distance (ft)	85	distance (ft)	85	distance (ft)	85	distance (ft)	85
Daytime Hours	speed (mph)	45	speed (mph)	45	speed (mph)	45	speed (mph)	45
(7 AM - 10 PM)	trains/hour	0.4	trains/hour	0.4	trains/hour	0.2	trains/hour	0.2
	locos/train	1	cars/train	7	locos/train	4	length of cars (ft) / train	6000
Nighttime Hours	speed (mph)	45	speed (mph)	45	speed (mph)	45	speed (mph)	30
(10 PM - 7 AM)	trains/hour	0.22	trains/hour	0.22	trains/hour	0.11	trains/hour	0.11
	locos/train	1	cars/train	7	locos/train	4	length of cars (ft) / train	6000
Wheel Flats?		0.00%	% of cars w/ wheel flats	0.00%		0.00%	% of cars w/ wheel flats	0.00%
Jointed Track?	Y/N	n	Y/N	n	Y/N	n	Y/N	n
Embedded Track?	Y/N	n	Y/N	n	Y/N	n	Y/N	n
Aerial Structure?	Y/N	n	Y/N	n	Y/N	n	Y/N	n
Barrier Present?	Y/N	n	Y/N	n	Y/N	n	Y/N	n
Intervening Rows of of Buildings	number of rows	0	number of rows	0	number of rows	0	number of rows	0

SOURCE REFERENCE LIST

Source	Number
Commuter Electric Locomotive	1
Commuter Diesel Locomotive	2
Commuter Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Freight Locomotive	9
Freight Cars	10
Hopper Cars (empty)	11
Hopper Cars (full)	12
Crossover	13
Automobiles	14
City Buses	15
Commuter Buses	16
Rail Yard or Shop	17
Layover Tracks	18
Bus Storage Yard	19
Bus Op. Facility	20
Bus Transit Center	21
Parking Garage	22
Park & Ride Lot	23

FRA Grade Crossing Noise Model

User Input	
Noise Situation (Pick from List)	1
Horn Lmax (dBA) @ 100 feet	99
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	2
Shielding (Pick from List)	4
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	45
Future Train Speed (mph)	45
Number of Existing Trains in one Direction	6
Number of Future Trains in one Direction	6
Existing Number of Day Trains (7 am to 10 p.m.)	4.5
Future Number of Day Trains (7 am to 10 p.m.)	4.5
Existing Number of Night Trains (10 p.m. to 7 am)	1.5
Future Number of Night Trains (10 p.m. to 7 am)	1.5
Existing Average Number of Cars	31
Future Average Number of Cars	31
Existing Average Number of Locomotives	2
Future Average Number of Locomotives	2

Noise Situation	
Horns Existing and Future	1
Horns in Future Only	2
No Horns Existing and Future	3

Horn Location on Locomotive			
National Average (50% front, 50% middle)			1
All Front Mounted			2
All Middle Mounted			3
User Defined	80	% front mounted horns	4

Non Train Noise Environment			
Urban			1
Suburban			2
Rural			3
User Defined Ldn =	50	dBA	4

Shielding	
Dense Urban	1
Light Urban	2
Dense Suburban	3
Light Suburban	4
Rural	5
No Shielding	6

Length of Impact Area	
1/4 mile	1
20 seconds	2
15 seconds	3

Ldn 65 Contours Numeric Output (in feet)	
Existing 65 Ldn Contour at X-ing	212
Future 65 Ldn Contour at X-ing	212
Existing 65 Ldn Contour at 1/2 zone length	173
Future 65 Ldn Contour at 1/2 zone length	173
Zone Length	1320
1/2 Zone Length	660

Impact Zones Numeric Output (in feet)	
Impact Distance at X-ing	0
Severe Impact Distance at X-ing	0
Impact Distance at 1/2 zone length	0
Severe Impact Distance at 1/2 zone length	0
Zone Length	1320
1/2 Zone Length	660

