



**Appendix C**  
Noise Data

### Noise Measurement Field Data

<b>Project:</b>	Bell Gardens TOC	<b>Job Number:</b>	199068001
<b>Site No.:</b>	LT-1	<b>Date:</b>	10/9/2025
<b>Analyst:</b>	Daniel Karz & Ciara Anderson	<b>Time:</b>	12:27 PM
<b>Location:</b>	Median between Toler Avenue, Florence Avenue, and Florence Place		
<b>Noise Sources:</b>	Car traffic, truck traffic		
<b>Comments:</b>			
<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	69.4	42.4	105.4
			<b>Peak:</b>
			121.5

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

Weather	
<b>Temp. (degrees F):</b>	
<b>Wind (mph):</b>	
<b>Sky:</b>	
<b>Bar. Pressure:</b>	
<b>Humidity:</b>	

Photo:



# Measurement Report

## Report Summary

Meter's File Name	ST_077.s	Computer's File Name	LxTse_0005586-20251009 122717-ST_077.lbin
Meter	LxT SE 0005586	Firmware	2.404
User		Location	
Job Description			
Note			

## Measurement

Start Time	2025-10-09 12:27:17	Duration	24:00:00.0		
End Time	2025-10-10 12:27:17	Run Time	24:00:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-10-06 14:09:05	Post-Calibration	None	Calibration Deviation	0.0

## Results

### Overall Metrics

LA <sub>eq</sub>	69.4 dB		
LAE	118.8 dB	SEA	131.5 dB
EA	83.6 mPa²h		
LA <sub>peak</sub>	121.5 dB		2025-10-10 07:37:21
LAS <sub>max</sub>	105.4 dB		2025-10-10 07:37:21
LAS <sub>min</sub>	42.4 dB		2025-10-09 23:59:30
LA <sub>eq</sub>	69.4 dB		
LC <sub>eq</sub>	78.7 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	9.3 dB
LAI <sub>eq</sub>	74.2 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	4.8 dB

### Exceedances

	Count	Duration
LAS > 85.0 dB	111	0:04:21.9
LAS > 115.0 dB	0	0:00:00.0
LApk > 135.0 dB	0	0:00:00.0
LApk > 137.0 dB	0	0:00:00.0
LApk > 140.0 dB	0	0:00:00.0

### Community Noise

<b>LDN</b>	<b>LDay</b>	<b>LNight</b>		
73.6 dB	70.6 dB	66.3 dB		
<b>LDEN</b>	<b>LDay</b>	<b>LEve</b>	<b>LNight</b>	
73.9 dB	71.2 dB	67.0 dB	66.3 dB	

### Any Data

	A	Time Stamp	C	Time Stamp	Z	Time Stamp
$L_{eq}$	69.4 dB		78.7 dB		--- dB	
$LS_{(max)}$	105.4 dB	2025-10-10 07:37:21	--- dB	None	--- dB	None
$LS_{(min)}$	42.4 dB	2025-10-09 23:59:30	--- dB	None	--- dB	None
$L_{Peak(max)}$	121.5 dB	2025-10-10 07:37:21	--- dB	None	--- dB	None

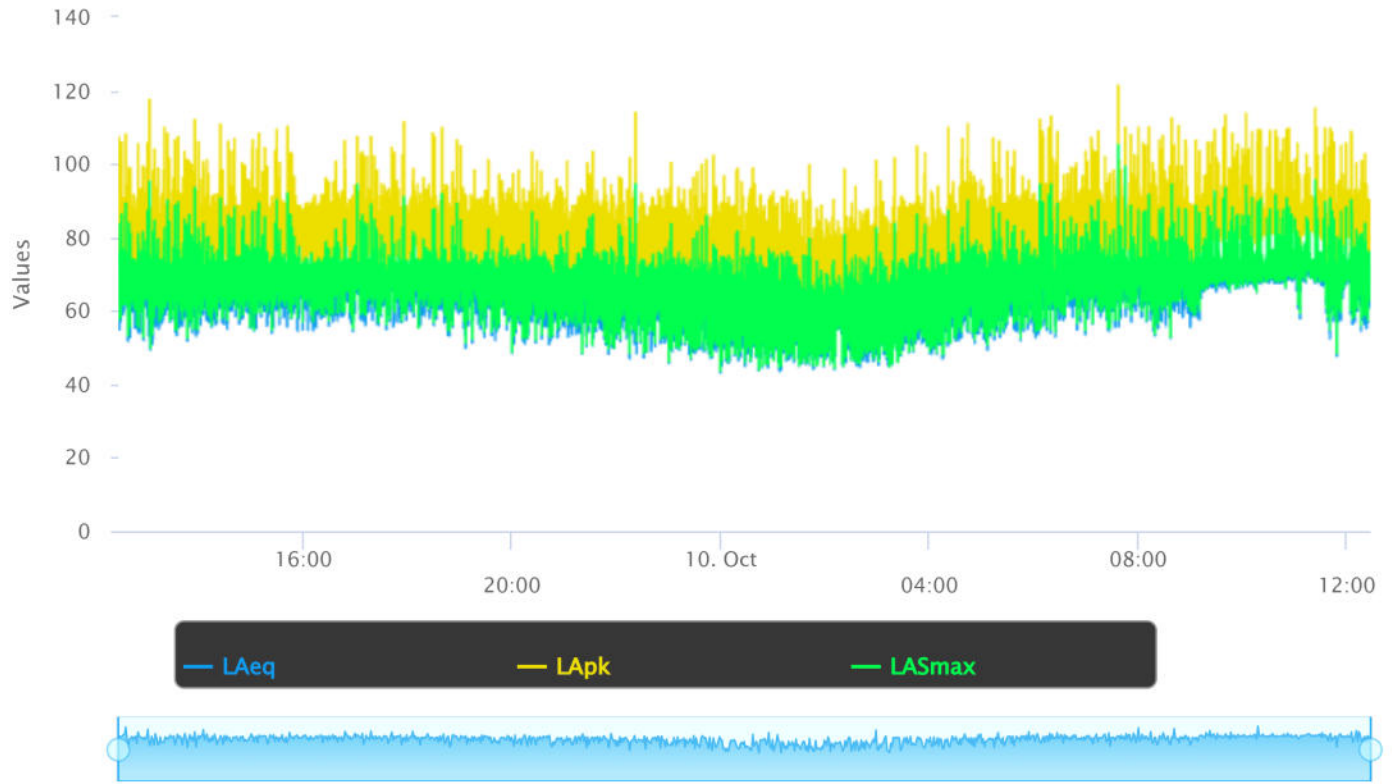
### Overloads

Count	Duration	OBA Count	OBA Duration
4	0:00:08.1	4	0:00:08.1

### Statistics

LAS 5.0	72.6 dB
LAS 10.0	71.0 dB
LAS 33.3	67.7 dB
LAS 50.0	65.6 dB
LAS 66.6	62.6 dB
LAS 90.0	54.7 dB

# Time History



*Dark  
Mode*

### Noise Measurement Field Data

<b>Project:</b>	Bell Gardens TOC	<b>Job Number:</b>	199068001
<b>Site No.:</b>	ST-1	<b>Date:</b>	10/9/2025
<b>Analyst:</b>	Daniel Karz & Ciara Anderson	<b>Time:</b>	9:42 AM
<b>Location:</b>	North of the intersection of Florence Place and Toler Avenue		
<b>Noise Sources:</b>	Traffic along street, dog barking, plane flying above		
<b>Comments:</b>			

<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	60.8	48.5	75.9
			<b>Peak:</b>
			91.4

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

Weather	
<b>Temp. (degrees F):</b>	67
<b>Wind (mph):</b>	0
<b>Sky:</b>	Partly Cloudy
<b>Bar. Pressure:</b>	29.93
<b>Humidity:</b>	70%

Photo:



# Measurement Report

## Report Summary

Meter's File Name	ST_071.s	Computer's File Name	LxTse_0005586-20251009 094557-ST_071.lbin
Meter	LxT SE 0005586	Firmware	2.404
User		Location	
Job Description			
Note			

## Measurement

Start Time	2025-10-09 09:45:57	Duration	0:15:00.0		
End Time	2025-10-09 10:00:57	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-10-06 14:09:05	Post-Calibration	None	Calibration Deviation	0.0

## Results

### Overall Metrics

LA <sub>eq</sub>	60.8 dB		
LAE	90.3 dB	SEA	--- dB
EA	120.2 µPa²h		
LA <sub>peak</sub>	91.4 dB		2025-10-09 10:00:32
LAS <sub>max</sub>	75.9 dB		2025-10-09 10:00:32
LAS <sub>min</sub>	48.5 dB		2025-10-09 10:00:18
LA <sub>eq</sub>	60.8 dB		
LC <sub>eq</sub>	71.8 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	11.0 dB
LAI <sub>eq</sub>	62.8 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	2.0 dB

### Exceedances

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

### Community Noise

<b>LDN</b>	<b>LDay</b>	<b>LNight</b>		
60.8 dB	60.8 dB	--- dB		
<b>LDEN</b>	<b>LDay</b>	<b>LEve</b>	<b>LNight</b>	
60.8 dB	60.8 dB	--- dB	--- dB	

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
$L_{eq}$	60.8 dB		71.8 dB		--- dB	
$LS_{(max)}$	75.9 dB	2025-10-09 10:00:32	--- dB	None	--- dB	None
$LS_{(min)}$	48.5 dB	2025-10-09 10:00:18	--- dB	None	--- dB	None
$L_{Peak(max)}$	91.4 dB	2025-10-09 10:00:32	--- dB	None	--- dB	None

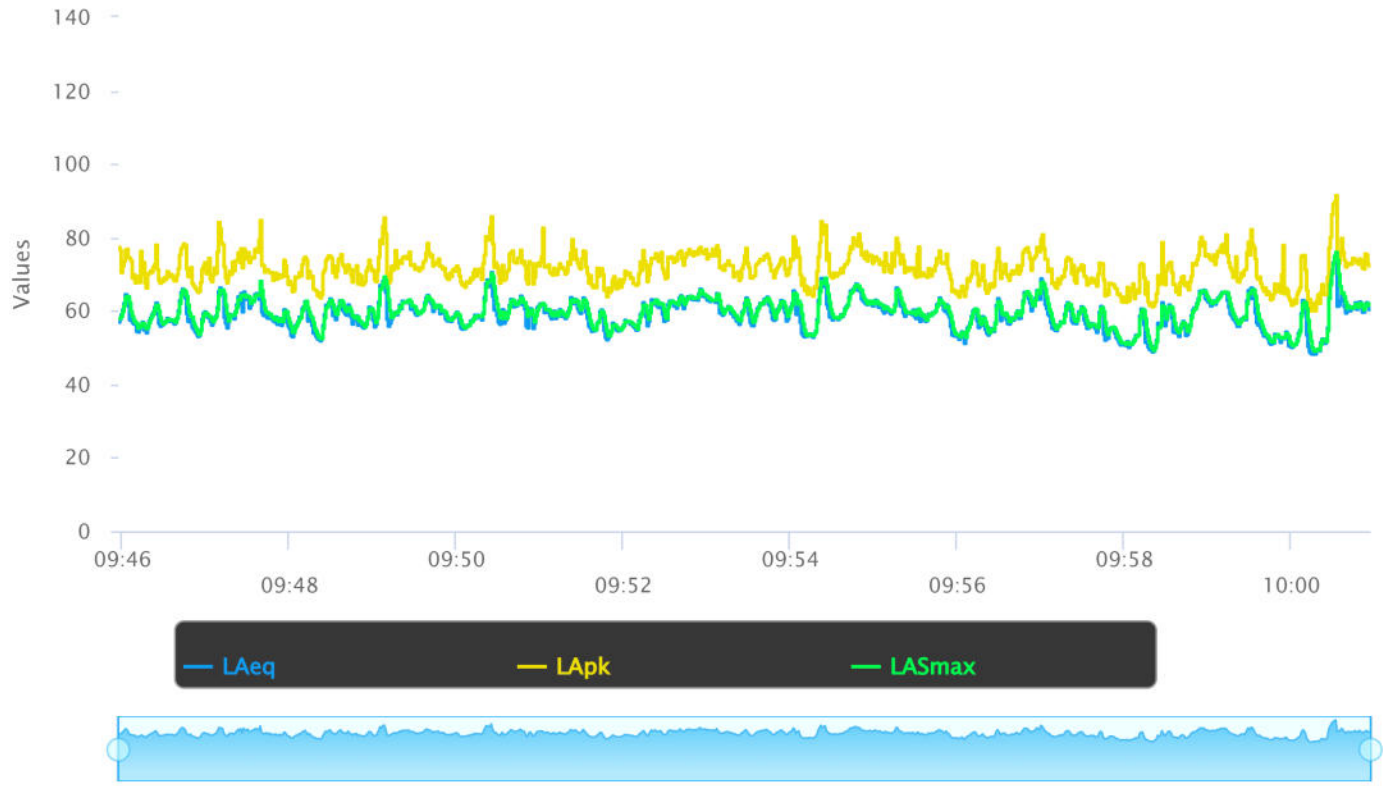
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0	65.0 dB
LAS 10.0	63.7 dB
LAS 33.3	60.8 dB
LAS 50.0	59.2 dB
LAS 66.6	57.6 dB
LAS 90.0	53.6 dB

# Time History



Dark  
Mode

### Noise Measurement Field Data

<b>Project:</b>	Bell Gardens TOC	<b>Job Number:</b>	199068001
<b>Site No.:</b>	ST-2	<b>Date:</b>	10/9/2025
<b>Analyst:</b>	Daniel Karz & Ciara Anderson	<b>Time:</b>	10:16 AM
<b>Location:</b>	Southwest corner of Florence Place and Granger Avenue		
<b>Noise Sources:</b>	Cars, pedestrians talking, dog barking, buses		
<b>Comments:</b>			
<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	61.1	43.7	79.5
			<b>Peak:</b>
			91.7

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

Weather	
<b>Temp. (degrees F):</b>	70
<b>Wind (mph):</b>	2
<b>Sky:</b>	Partly Cloudy
<b>Bar. Pressure:</b>	29.93
<b>Humidity:</b>	62%

Photo:



# Measurement Report

## Report Summary

Meter's File Name	ST_072.s	Computer's File Name	LxTse_0005586-20251009 101515-ST_072.lbin
Meter	LxT SE 0005586	Firmware	2.404
User		Location	
Job Description			
Note			

## Measurement

Start Time	2025-10-09 10:15:15	Duration	0:15:00.0		
End Time	2025-10-09 10:30:15	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-10-06 14:09:05	Post-Calibration	None	Calibration Deviation	0.0

## Results

### Overall Metrics

LA <sub>eq</sub>	61.1 dB		
LAE	90.6 dB	SEA	--- dB
EA	128.8 μPa²h		
LA <sub>peak</sub>	91.7 dB		2025-10-09 10:26:51
LAS <sub>max</sub>	79.5 dB		2025-10-09 10:26:52
LAS <sub>min</sub>	43.7 dB		2025-10-09 10:29:55
LA <sub>eq</sub>	61.1 dB		
LC <sub>eq</sub>	72.2 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	11.1 dB
LAI <sub>eq</sub>	63.4 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	2.3 dB

### Exceedances

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

### Community Noise

<b>LDN</b>	<b>LDay</b>	<b>LNight</b>		
61.1 dB	61.1 dB	--- dB		
<b>LDEN</b>	<b>LDay</b>	<b>LEve</b>	<b>LNight</b>	
61.1 dB	61.1 dB	--- dB	--- dB	

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	61.1 dB		72.2 dB		--- dB	
LS <sub>(max)</sub>	79.5 dB	2025-10-09 10:26:52	--- dB	None	--- dB	None
LS <sub>(min)</sub>	43.7 dB	2025-10-09 10:29:55	--- dB	None	--- dB	None
L <sub>Peak(max)</sub>	91.7 dB	2025-10-09 10:26:51	--- dB	None	--- dB	None

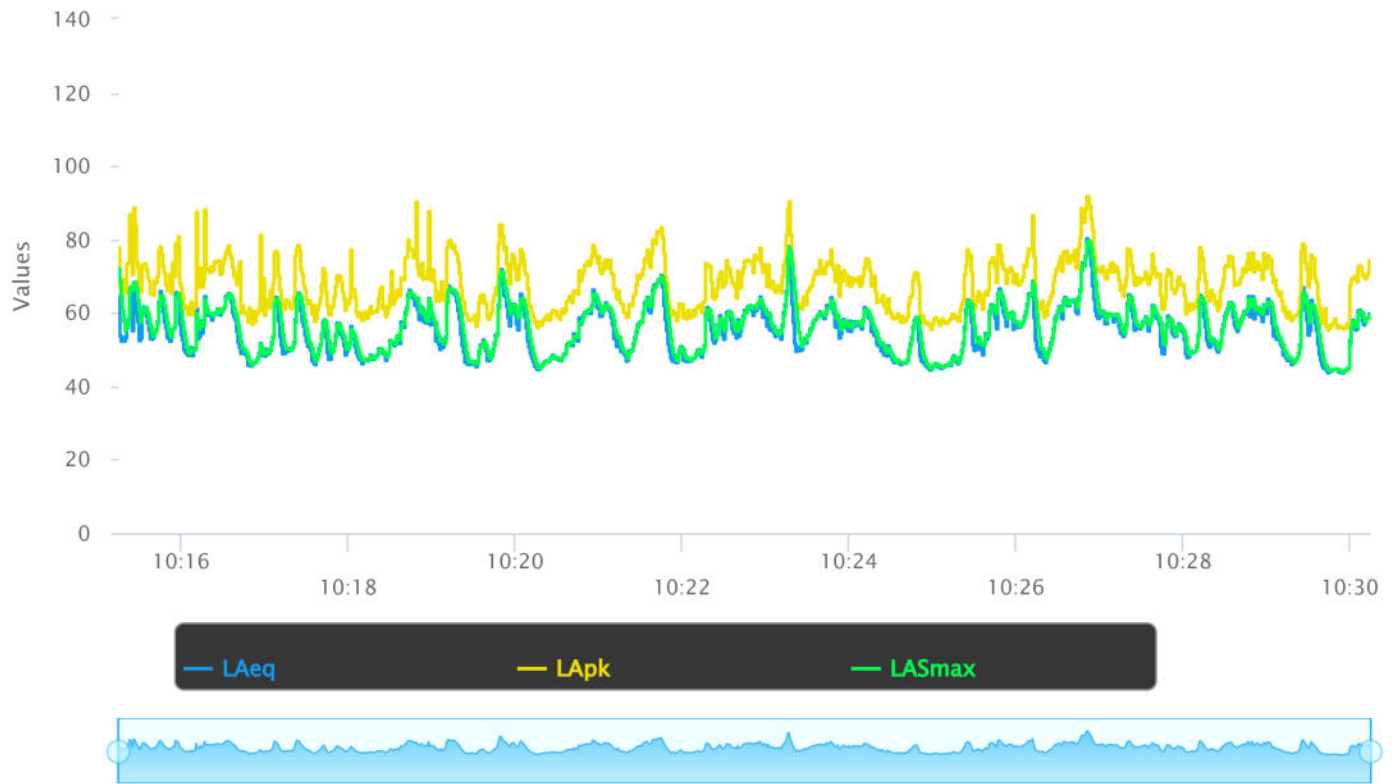
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0	65.0 dB
LAS 10.0	63.3 dB
LAS 33.3	58.9 dB
LAS 50.0	56.0 dB
LAS 66.6	51.8 dB
LAS 90.0	47.0 dB

# Time History



Dark  
Mode

### Noise Measurement Field Data

<b>Project:</b>	Bell Gardens TOC	<b>Job Number:</b>	199068001
<b>Site No.:</b>	ST-3	<b>Date:</b>	10/9/2025
<b>Analyst:</b>	Daniel Karz & Ciara Anderson	<b>Time:</b>	10:39 AM
<b>Location:</b>	Alley intersection between Florence Avenue, Garfield Avenue, Granger Avenue, and Florence Place		
<b>Noise Sources:</b>	Cars, pedestrians, trucks in distance, metal gates		
<b>Comments:</b>			
<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	57.8	48.9	66.1
			<b>Peak:</b>
			89.0

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

Weather	
<b>Temp. (degrees F):</b>	71
<b>Wind (mph):</b>	2
<b>Sky:</b>	Partly Cloudy
<b>Bar. Pressure:</b>	29.93
<b>Humidity:</b>	59%

Photo:



# Measurement Report

## Report Summary

Meter's File Name	ST_073.s	Computer's File Name	LxTse_0005586-20251009 103824-ST_073.lbin
Meter	LxT SE 0005586	Firmware	2.404
User		Location	
Job Description			
Note			

## Measurement

Start Time	2025-10-09 10:38:24	Duration	0:15:00.0		
End Time	2025-10-09 10:53:24	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-10-06 14:09:05	Post-Calibration	None	Calibration Deviation	0.0

## Results

### Overall Metrics

LA <sub>eq</sub>	57.8 dB		
LAE	87.3 dB	SEA	--- dB
EA	60.3 μPa²h		
LA <sub>peak</sub>	89.0 dB		2025-10-09 10:44:35
LAS <sub>max</sub>	66.1 dB		2025-10-09 10:49:13
LAS <sub>min</sub>	48.9 dB		2025-10-09 10:42:04
LA <sub>eq</sub>	57.8 dB		
LC <sub>eq</sub>	71.7 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	13.9 dB
LAI <sub>eq</sub>	59.2 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	1.4 dB

### Exceedances

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

### Community Noise

<b>LDN</b>	<b>LDay</b>	<b>LNight</b>		
57.8 dB	57.8 dB	--- dB		
<b>LDEN</b>	<b>LDay</b>	<b>LEve</b>	<b>LNight</b>	
57.8 dB	57.8 dB	--- dB	--- dB	

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
$L_{eq}$	57.8 dB		71.7 dB		--- dB	
$LS_{(max)}$	66.1 dB	2025-10-09 10:49:13	--- dB	None	--- dB	None
$LS_{(min)}$	48.9 dB	2025-10-09 10:42:04	--- dB	None	--- dB	None
$L_{Peak(max)}$	89.0 dB	2025-10-09 10:44:35	--- dB	None	--- dB	None

### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0	61.1 dB
LAS 10.0	60.4 dB
LAS 33.3	58.4 dB
LAS 50.0	57.0 dB
LAS 66.6	55.9 dB
LAS 90.0	52.9 dB

# Time History



Dark  
Mode

### Noise Measurement Field Data

<b>Project:</b>	Bell Gardens TOC	<b>Job Number:</b>	199068001
<b>Site No.:</b>	ST-4	<b>Date:</b>	10/9/2025
<b>Analyst:</b>	Daniel Karz & Ciara Anderson	<b>Time:</b>	11:03 AM
<b>Location:</b>	Corner of alley and Perry Avenue south of Florence Avenue		
<b>Noise Sources:</b>	Cars idling and driving, dog barking, pedestrians talking		
<b>Comments:</b>			
<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	58.6	45.9	76.3
			<b>Peak:</b>
			91.3

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

Weather	
<b>Temp. (degrees F):</b>	72
<b>Wind (mph):</b>	2
<b>Sky:</b>	Partly Cloudy
<b>Bar. Pressure:</b>	29.92
<b>Humidity:</b>	56%

Photo:



# Measurement Report

## Report Summary

Meter's File Name	ST_074.s	Computer's File Name	LxTse_0005586-20251009 110217-ST_074.lbin
Meter	LxT SE 0005586	Firmware	2.404
User		Location	
Job Description			
Note			

## Measurement

Start Time	2025-10-09 11:02:17	Duration	0:15:00.0		
End Time	2025-10-09 11:17:17	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-10-06 14:09:05	Post-Calibration	None	Calibration Deviation	0.0

## Results

### Overall Metrics

LA <sub>eq</sub>	58.6 dB		
LAE	88.1 dB	SEA	--- dB
EA	72.4 µPa²h		
LA <sub>peak</sub>	91.3 dB		2025-10-09 11:14:39
LAS <sub>max</sub>	76.3 dB		2025-10-09 11:14:39
LAS <sub>min</sub>	45.9 dB		2025-10-09 11:06:41
LA <sub>eq</sub>	58.6 dB		
LC <sub>eq</sub>	72.2 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	13.6 dB
LAI <sub>eq</sub>	61.8 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	3.2 dB

### Exceedances

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

### Community Noise

<b>LDN</b>	<b>LDay</b>	<b>LNight</b>		
58.6 dB	58.6 dB	---		
<b>LDEN</b>	<b>LDay</b>	<b>LEve</b>	<b>LNight</b>	
58.6 dB	58.6 dB	---	---	

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	58.6 dB		72.2 dB		--- dB	
LS <sub>(max)</sub>	76.3 dB	2025-10-09 11:14:39	--- dB	None	--- dB	None
LS <sub>(min)</sub>	45.9 dB	2025-10-09 11:06:41	--- dB	None	--- dB	None
L <sub>Peak(max)</sub>	91.3 dB	2025-10-09 11:14:39	--- dB	None	--- dB	None

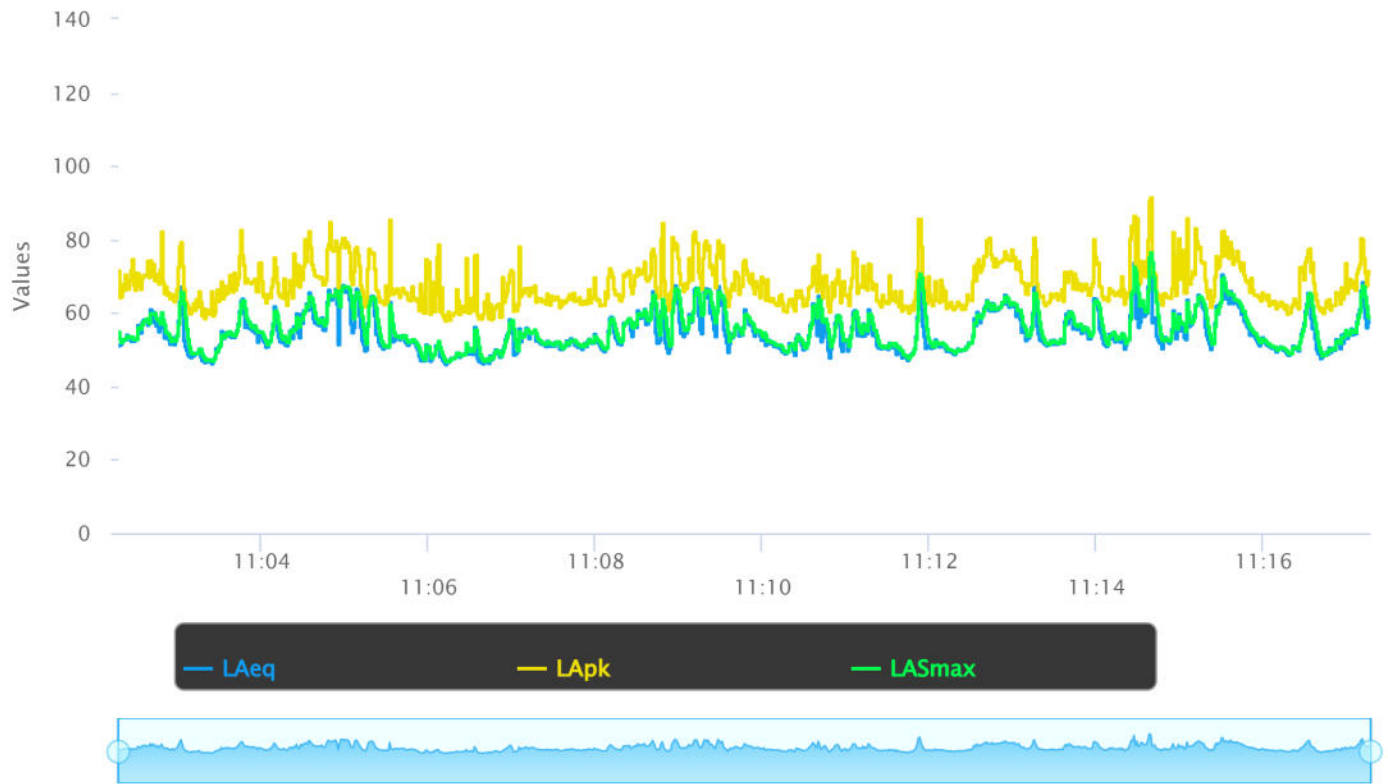
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0	64.5 dB
LAS 10.0	62.6 dB
LAS 33.3	56.7 dB
LAS 50.0	53.8 dB
LAS 66.6	51.9 dB
LAS 90.0	49.3 dB

# Time History



*Dark  
Mode*

### Noise Measurement Field Data

<b>Project:</b>	Bell Gardens TOC	<b>Job Number:</b>	199068001
<b>Site No.:</b>	ST-5	<b>Date:</b>	10/9/2025
<b>Analyst:</b>	Daniel Karz & Ciara Anderson	<b>Time:</b>	11:26 AM
<b>Location:</b>	Alley south of Toler Avenue and Florence Avenue		
<b>Noise Sources:</b>	Cars, pedestrians, birds chirping		
<b>Comments:</b>			
<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	56.1	44.2	68.0
			<b>Peak:</b>
			82.2

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

Weather	
<b>Temp. (degrees F):</b>	75
<b>Wind (mph):</b>	2
<b>Sky:</b>	Clear
<b>Bar. Pressure:</b>	29.92
<b>Humidity:</b>	51%

Photo:



# Measurement Report

## Report Summary

Meter's File Name	ST_075.s	Computer's File Name	LxTse_0005586-20251009 112519-ST_075.lbin
Meter	LxT SE 0005586	Firmware	2.404
User		Location	
Job Description			
Note			

## Measurement

Start Time	2025-10-09 11:25:19	Duration	0:15:00.0		
End Time	2025-10-09 11:40:19	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-10-06 14:09:05	Post-Calibration	None	Calibration Deviation	0.0

## Results

### Overall Metrics

LA <sub>eq</sub>	56.1 dB		
LAE	85.6 dB	SEA	--- dB
EA	40.7 µPa²h		
LA <sub>peak</sub>	82.2 dB		2025-10-09 11:26:09
LAS <sub>max</sub>	68.0 dB		2025-10-09 11:26:56
LAS <sub>min</sub>	44.2 dB		2025-10-09 11:33:59
LA <sub>eq</sub>	56.1 dB		
LC <sub>eq</sub>	68.4 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	12.3 dB
LAI <sub>eq</sub>	58.0 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	1.9 dB

### Exceedances

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

### Community Noise

<b>LDN</b>	<b>LDay</b>	<b>LNight</b>		
56.1 dB	56.1 dB	---		
<b>LDEN</b>	<b>LDay</b>	<b>LEve</b>	<b>LNight</b>	
56.1 dB	56.1 dB	---	---	

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	56.1 dB		68.4 dB		--- dB	
LS <sub>(max)</sub>	68.0 dB	2025-10-09 11:26:56	--- dB	None	--- dB	None
LS <sub>(min)</sub>	44.2 dB	2025-10-09 11:33:59	--- dB	None	--- dB	None
L <sub>Peak(max)</sub>	82.2 dB	2025-10-09 11:26:09	--- dB	None	--- dB	None

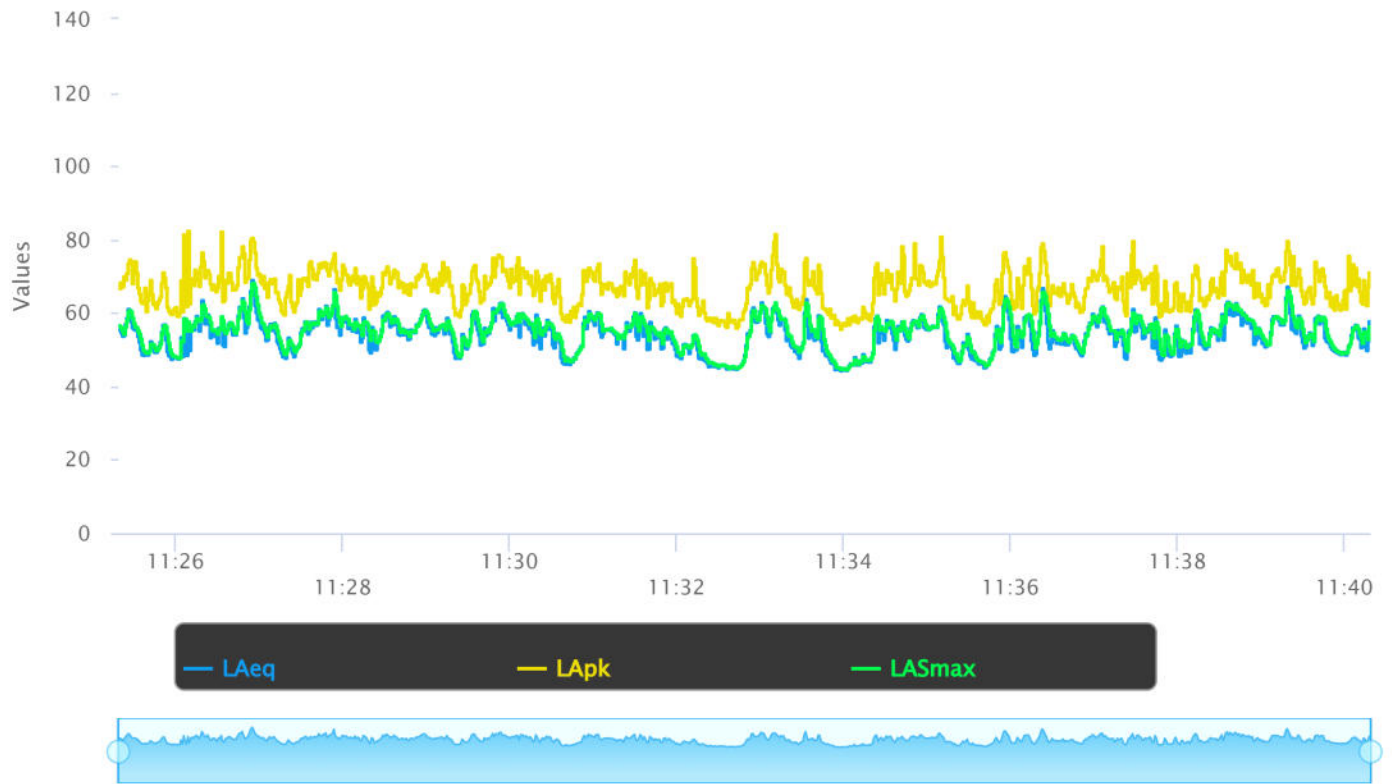
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0	60.5 dB
LAS 10.0	59.2 dB
LAS 33.3	56.3 dB
LAS 50.0	54.7 dB
LAS 66.6	52.5 dB
LAS 90.0	47.8 dB

# Time History



*Dark  
Mode*

### Noise Measurement Field Data

<b>Project:</b>	Bell Gardens TOC	<b>Job Number:</b>	199068001
<b>Site No.:</b>	ST-6	<b>Date:</b>	10/9/2025
<b>Analyst:</b>	Daniel Karz & Ciara Anderson	<b>Time:</b>	11:50 AM
<b>Location:</b>	Alley near southwest corner of Ira Avenue and Florence Avenue		
<b>Noise Sources:</b>	Cars, pedestrians, industrial equipment		
<b>Comments:</b>			
<b>Results (dBA):</b>			
	<b>Leq:</b>	<b>Lmin:</b>	<b>Lmax:</b>
	58.4	44.5	80.3
			<b>Peak:</b>
			94.2

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

Weather	
<b>Temp. (degrees F):</b>	76
<b>Wind (mph):</b>	3
<b>Sky:</b>	Clear
<b>Bar. Pressure:</b>	29.91
<b>Humidity:</b>	49%

Photo:



# Measurement Report

## Report Summary

Meter's File Name	ST_076.s	Computer's File Name	LxTse_0005586-20251009 114929-ST_076.lbin
Meter	LxT SE 0005586	Firmware	2.404
User		Location	
Job Description			
Note			

## Measurement

Start Time	2025-10-09 11:49:29	Duration	0:15:00.0		
End Time	2025-10-09 12:04:29	Run Time	0:15:00.0	Pause Time	0:00:00.0
Pre-Calibration	2025-10-06 14:09:05	Post-Calibration	None	Calibration Deviation	0.0

## Results

### Overall Metrics

LA <sub>eq</sub>	58.4 dB		
LAE	87.9 dB	SEA	--- dB
EA	69.2 µPa²h		
LA <sub>peak</sub>	94.2 dB		2025-10-09 12:02:28
LAS <sub>max</sub>	80.3 dB		2025-10-09 12:02:28
LAS <sub>min</sub>	44.5 dB		2025-10-09 11:54:24
LA <sub>eq</sub>	58.4 dB		
LC <sub>eq</sub>	69.5 dB	LC <sub>eq</sub> - LA <sub>eq</sub>	11.1 dB
LAI <sub>eq</sub>	62.1 dB	LAI <sub>eq</sub> - LA <sub>eq</sub>	3.7 dB

### Exceedances

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

### Community Noise

<b>LDN</b>	<b>LDay</b>	<b>LNight</b>		
58.4 dB	58.4 dB	---		
<b>LDEN</b>	<b>LDay</b>	<b>LEve</b>	<b>LNight</b>	
58.4 dB	58.4 dB	---	---	

### Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L <sub>eq</sub>	58.4 dB		69.5 dB		--- dB	
LS <sub>(max)</sub>	80.3 dB	2025-10-09 12:02:28	--- dB	None	--- dB	None
LS <sub>(min)</sub>	44.5 dB	2025-10-09 11:54:24	--- dB	None	--- dB	None
L <sub>Peak(max)</sub>	94.2 dB	2025-10-09 12:02:28	--- dB	None	--- dB	None

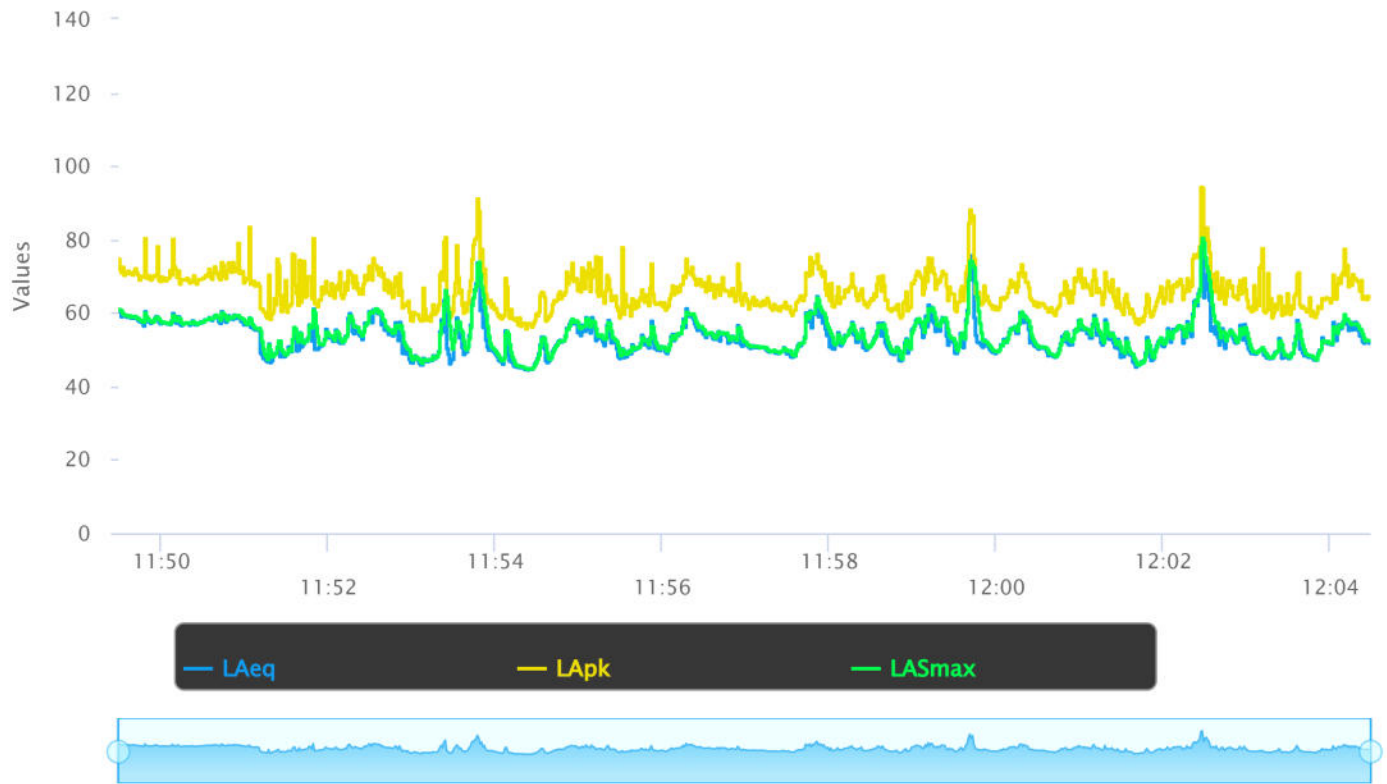
### Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

### Statistics

LAS 5.0	60.1 dB
LAS 10.0	58.7 dB
LAS 33.3	55.4 dB
LAS 50.0	53.2 dB
LAS 66.6	51.3 dB
LAS 90.0	48.2 dB

# Time History



Dark  
Mode

## Construction Noise Data

Equipment	Calculated Distance (feet)	Typical Noise Level (dBA)	Calculated Distance (feet)
	<b>25</b>	<b>50 ft</b>	<b>100</b>
Air Compressor	86	80	74
Backhoe	86	80	74
Compactor	88	82	76
Concrete Mixer	91	85	79
Concrete Pump	88	82	76
Concrete Vibrator	82	76	70
Crane, Mobile	89	83	77
Dozer	91	85	79
Generator	88	82	76
Grader	91	85	79
Impact Wrench	91	85	79
Jack Hammer	94	88	82
Loader	86	80	74
Paver	91	85	79
Pneumatic Tool	91	85	79
Pump	83	77	71
Roller	91	85	79
Saw	82	76	70
Scraper	91	85	79
Shovel	88	82	76
Truck	90	84	78

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, September 2018.  
FTA Report No. 0123

Table 7-1 Construction Equipment Noise Emission Levels  
Page 176 (pdf page 190)

3a. Use the metric  $Leq(t)$  to assess construction noise. This unit is appropriate because  $Leq(t)$  can be used to describe:

Noise level from operation of each piece of equipment separately, and levels can be combined to represent the noise level from all equipment operating during a given period.

Noise level during an entire phase.

Average noise over all phases of the construction.

## Construction Vibration Data

<b>Equipment</b>	<b>PPV at 25 feet (in/sec)</b>	<b>Calculated distance (feet)</b>
		<b>50</b>
Large bulldozer	0.089	0.031
Loaded trucks	0.076	0.027
Small bulldozer	0.003	0.001
Auger/Drill Rigs	0.089	0.031
Jackhammer	0.035	0.012
Pile Driver	0.644	0.228
Vibratory Hammer	0.035	0.012

Notes:

1. Calculated using the following formula:

$$PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$$

where: PPV (equip) = the peak particle velocity in in/sec of the equipment adjusted for the distance

PPV (ref) = the reference vibration level in in/sec from Table 12-2 of the FTA Transit Noise and Vibration Impact Assessment Guidelines

D = the distance from the equipment to the receiver

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** Bell Gardens TOC  
**Project Number:**  
**Scenario:** Existing  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 50 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Garfield Avenue	Florence Ave & Florence Pl	4	10	20,638	35	0	2.0%	1.0%	67.3	-	85	270	852
2	Florence Avenue	Toler Ave & Garfield	6	10	29,326	40	0	2.0%	1.0%	71.1	64	202	640	2,022
3	Florence Place	Toler Ave & Garfield	4	0	8,844	30	0	2.0%	1.0%	62.6	-	-	90	284
4	Florence Avenue	Darwell and Toler Ave	6	10	37,721	40	0	2.0%	1.0%	72.2	82	260	823	2,601

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.  
 "-" = contour is located within the roadway right-of-way.

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** Bell Gardens TOC  
**Project Number:**  
**Scenario:** Opening Year  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 50 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Garfield Avenue	Florence Ave & Florence Pl	4	10	22,034	35	0	2.0%	1.0%	67.6	-	91	288	910
2	Florence Avenue	Toler Ave & Garfield	6	10	31,009	40	0	2.0%	1.0%	71.3	68	214	676	2,138
3	Florence Place	Toler Ave & Garfield	4	0	9,593	30	0	2.0%	1.0%	62.9	-	-	98	309
4	Florence Avenue	Darwell and Toler Ave	6	10	40,018	40	0	2.0%	1.0%	72.4	87	276	873	2,760

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** Bell Gardens TOC  
**Project Number:**  
**Scenario:** Opening Year Plus Project  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 50 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Garfield Avenue	Florence Ave & Florence Pl	4	10	19,300	35	0	2.0%	1.0%	67.0	-	80	252	797
2	Florence Avenue	Toler Ave & Garfield	6	10	29,300	40	0	2.0%	1.0%	71.1	64	202	639	2,020
3	Florence Place	Toler Ave & Garfield	4	0	7,000	30	0	2.0%	1.0%	61.5	-	-	71	225
4	Florence Avenue	Darwell and Toler Ave	6	10	36,900	40	0	2.0%	1.0%	72.1	80	254	805	2,545

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** Bell Gardens TOC  
**Project Number:**  
**Scenario:** Horizon Year  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 50 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Garfield Avenue	Florence Ave & Florence Pl	4	10	26,834	35	0	2.0%	1.0%	68.5	-	111	350	1,108
2	Florence Avenue	Toler Ave & Garfield	6	10	37,809	40	0	2.0%	1.0%	72.2	82	261	824	2,607
3	Florence Place	Toler Ave & Garfield	4	0	11,593	30	0	2.0%	1.0%	63.7	-	-	118	373
4	Florence Avenue	Darwell and Toler Ave	6	10	48,818	40	0	2.0%	1.0%	73.3	106	337	1,065	3,366

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

**FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels**

**Project Name:** Bell Gardens TOC  
**Project Number:**  
**Scenario:** Horizon Year Plus Project  
**Ldn/CNEL:** CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

#	Roadway	Segment	Lanes	Median Width	ADT Volume	Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
								Medium Trucks	Heavy Trucks	CNEL at 50 Feet	Distance to Contour			
										70 CNEL	65 CNEL	60 CNEL	55 CNEL	
1	Garfield Avenue	Florence Ave & Florence Pl	4	10	24,100	35	0	2.0%	1.0%	68.0	-	100	315	995
2	Florence Avenue	Toler Ave & Garfield	6	10	36,100	40	0	2.0%	1.0%	72.0	79	249	787	2,489
3	Florence Place	Toler Ave & Garfield	4	0	9,000	30	0	2.0%	1.0%	62.6	-	-	92	289
4	Florence Avenue	Darwell and Toler Ave	6	10	45,700	40	0	2.0%	1.0%	73.0	100	315	997	3,151

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.