August 2025

City of Lakewood
5050 Clark Avenue
Lakewood, CA 90712

Subject: Lakewood Corner Lot Project Noise Memorandum

PURPOSE

This memorandum documents the potential noise levels associated with the Lakewood Corner Lot Project (Project) in the City of Lakewood (City). The analysis focuses on noise exposure at nearby noise-sensitive receptors during events held on the Project Site, as predicted by the SoundPLAN 3D noise model. SoundPLAN simulates noise propagation based on the location, sound level, and frequency spectra of the sources, as well as the geometry and reflective characteristics of the surrounding terrain, buildings, and barriers. The model generates noise contour maps using reference noise levels, topography, noise sources, and intervening structures. Modeled noise levels for this analysis are based on the Project Site Plan and reference noise measurements collected during the City's Concert in the Park on July 10, 2025.

Existing Ambient Noise Environment

In order to quantify existing ambient noise levels in the Project Area, ECORP Consulting, Inc. (ECORP) conducted four short-term (15-minutes) noise measurements on the morning of December 17, 2024. The 15-minute measurements were taken between 10:10 a.m. and 11:20 a.m. These short-term noise measurements are representative of typical existing noise exposure within and immediately adjacent to the Project Area during the daytime. The average noise levels at each location are listed in Table 1.

Table 1. Existing (Baseline) Noise Measurements

Location Number	Location	L_{eq} dBA	L_{min} dBA	L_{max} dBA	Time
1	Southern corner of Clark Road and Del Amo Boulevard.	68.8	53.0	85.3	10:10 a.m. – 10:25 a.m.
2	Intersection south of Del Amo Boulevard and west of Fidler Avenue.	69.8	56.8	82.0	10:28 a.m. -10:43 a.m.
3	East of Civic Center Way and approximately 180 feet north of Del Amo Boulevard.	59.8	46.9	74.5	10:47 a.m. – 11:02 a.m.

Table 1. Existing (Baseline) Noise Measurements					
Location Number	**Location**	**L_{eq} dBA**	**L_{min} dBA**	**L_{max} dBA**	**Time**
4	East of Civic Center Way approximately 100 feet north of Del Amo Boulevard.	61.1	43.6	78.4	11:05 a.m. – 11:20 a.m.

Source: Measurements were taken by ECORP with a Larson Davis SoundExpert LxT precision sound level meter, which satisfies the American National Standards Institute for general environmental noise measurement instrumentation. Prior to the measurements, the SoundExpert LxT sound level meter was calibrated according to manufacturer specifications with a Larson Davis CAL200 Class I Calibrator. See Attachment A for noise measurement outputs.

Notes: L_{eq} is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. L_{min} is the minimum noise level during the measurement period and L_{max} is the maximum noise level during the measurement period

As shown, the ambient recorded noise levels range from 59.8 to 69.8 dBA L_{eq} over the course of the four short-term noise measurements taken in the Project vicinity. The most common noise in the Project vicinity is produced by automotive vehicles (e.g., cars, trucks, buses, motorcycles) on area roadways such as Civic Center Way and Del Amo Boulevard.

Methodology

The Project proposes to develop the Site for community gatherings, farmers markets, special events, and similar public uses. To evaluate the potential noise levels associated with these activities, the SoundPLAN 3D noise model was used to simulate noise propagation across the surrounding area. SoundPLAN predicts noise levels based on the location, sound level, and frequency spectra of the noise sources, as well as the geometry and reflective characteristics of local terrain, buildings, and barriers. For this analysis, two area sources were modeled over the area encompassing the stage and concert seating using reference noise measurements collected during the City's Concert in the Park on July 10, 2025. The event featured a stage with amplified music and approximately 1,000 attendees. Three staggered, seven-foot-tall masonry walls were modeled along the eastern and southern boundaries of the Project Site, consistent with the Site Plan, to account for noise attenuation at the adjacent residential properties. Additionally, the existing seven-foot-tall masonry wall located east of the Project Site boundary was included in the model.

Noise Impact Discussion

Table 2 presents the predicted Project-related noise levels modeled using the methodology described above. In addition, a noise contour graphic (see Figure 1, Attachment B) has been prepared to visually depict the predicted noise levels throughout the Project area resulting from events held on the Project Site.

Table 2. Modeled Noise Levels	
Location	**Calculated Noise Levels (dBA)**
#1: Residence East of Project Site	58.7
#2: Residence East of Project Site	57.4
#3: Residence East of Project Site	57.2
#4: Residence East of Project Site	55.1
#5: Residence Southeast of Project Site	50.0
#6: Residence Southeast of Project Site	57.2
#7: High School Baseball Field	59.4
#8: Residence Southwest of Project Site	57.3
#9: Residence Southwest of Project Site	53.7

Source: SoundPLAN v 9.1. Refer to Attachment B for Model Data Outputs.
Notes: A seven-foot-tall masonry wall was modeled traversing the eastern residential property line. A reference noise level of 84.0 dBA was used in this analysis.

As shown in Table 2, modeled noise levels at the nearest receptors in the Project Area range from 50.0 dBA to 59.4 dBA. These results reflect a conservative, worst-case scenario modeled in SoundPLAN using reference noise levels measured during the City's Concert in the Park, which included amplified music and an audience of approximately 1,000 attendees. It should be noted that not all events held on the Project Site are expected to include amplified music or attract crowds of that size. Furthermore, as shown in Table 1, existing ambient noise levels in the Project Area (59.8 to 69.8 dBA L_{eq}) exceed those predicted under the modeled scenario, indicating that the Project is not anticipated to substantially increase noise levels relative to existing conditions.

ATTACHMENT A

Baseline Noise Measurements

Site Number: 1			
Recorded By: Lindsay Buck			
Job Number: 2024-189			
Date: 12/17/2024			
Time: 10:10 a.m. – 10:25 a.m.			
Location: Southern corner of Clark Road and Del Amo Boulevard.			
Source of Peak Noise: Vehicles on Clark Road and Del Amo Boulevard.			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
68.8	53.0	85.3	98.

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min.	**Sky:** Clear	
	Note: dBA Offset = 0.03	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	2	59	30.14

Photo of Measurement Location

LARSON DAVIS
A PCB DIVISION

Spartan 821 Summary: 2025-01-07 10:08:57

User:

Location:

Job Description:

Notes: Could not parse section, making sure you have the latest G4 installed may resolve this issue.

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:67614E18:00000740	

Overall Measurement

Start Date & Time	2024-12-17 10:10:32		
Stop Date & Time	2024-12-17 10:25:32		
Run Time	00:15:00		
Pre-Calibration			
Date/Time	2024-12-17 10:09:15		
Calibrator Level	94.0 dB		
Meter Sensitivity	-26.11 dB re 1V/Pa		
Post-Calibration			
Date/Time	---		
Calibrator Level	---		
Meter Sensitivity	---		
Sensitivity Delta	---		
LAIeq	71.8 dB		
	A	**C**	**Z**
Lweq	68.8	77.2	78.0
Lwpk	98.4 dB	102.2 dB	101.7 dB
	2024-12-17 10:11:44	2024-12-17 10:19:11	2024-12-17 10:23:05
LwSmin	53.0 dB	65.3 dB	67.5 dB
	2024-12-17 10:23:54	2024-12-17 10:23:42	2024-12-17 10:23:42
LwSmax	85.3 dB	91.9 dB	92.2 dB
	2024-12-17 10:22:25	2024-12-17 10:23:06	2024-12-17 10:23:06
LwFmin	50.6 dB	63.7 dB	65.6 dB
	2024-12-17 10:23:53	2024-12-17 10:23:42	2024-12-17 10:23:42
LwFmax	88.2 dB	94.4 dB	94.7 dB
	2024-12-17 10:22:25	2024-12-17 10:23:06	2024-12-17 10:23:06
LwImin	54.4 dB	67.7 dB	70.0 dB
	2024-12-17 10:23:41	2024-12-17 10:23:42	2024-12-17 10:23:43
LwImax	89.4 dB	95.2 dB	95.3 dB
	2024-12-17 10:22:25	2024-12-17 10:19:11	2024-12-17 10:19:11
w = frequency weighting (A, C or Z)			
Overload Count	0		
Overload Duration	00:00:00		
	A	**C**	**Z**
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 2.0	76.5 dB
LAS 8.0	72.6 dB
LAS 25.0	69.3 dB
LAS 50.0	64.8 dB
LAS 90.0	59.3 dB
LAS 90.0	59.3 dB

Virtual Dosimeters

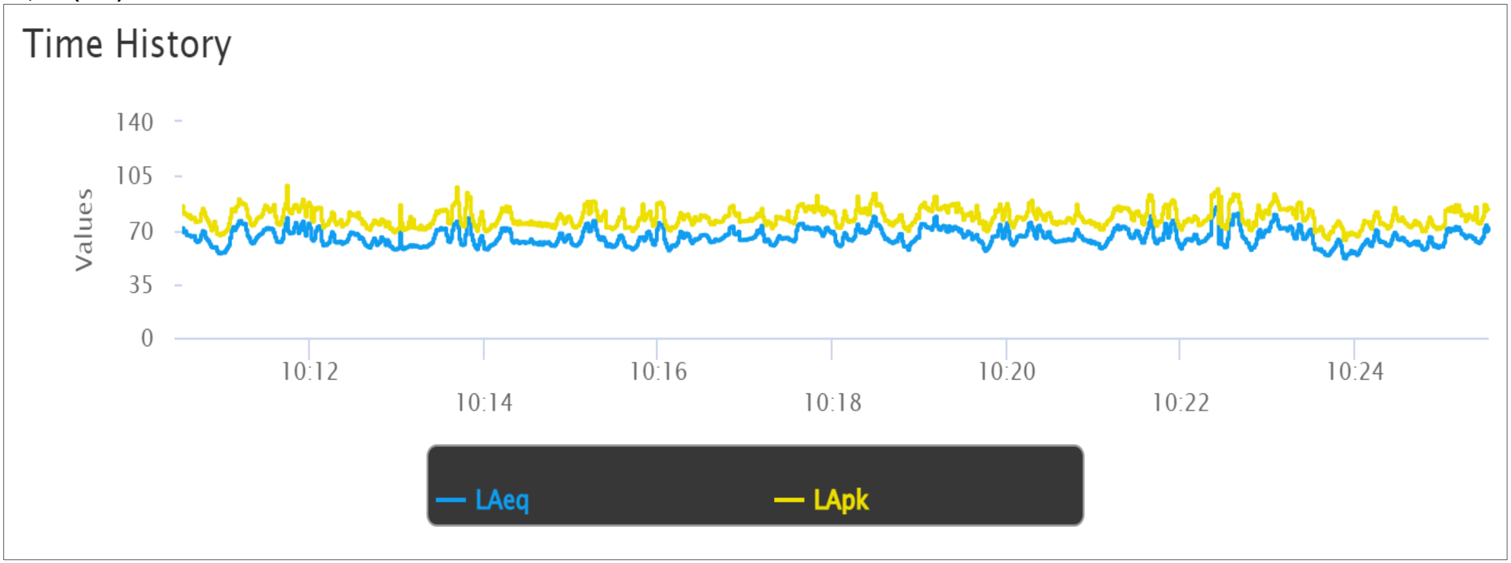
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.2%	0.3%	0.3%
Lavg	--- dB	43.7 dB	59.3 dB	59.3 dB
TWA(8)	--- dB	18.7 dB	44.2 dB	44.2 dB
Projected TWA(8)	--- dB	43.7 dB	59.3 dB	59.3 dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	53.8 dB	53.8 dB	53.8 dB	53.8 dB
Projected LEP'd/Lex,8h	68.8 dB	68.8 dB	68.8 dB	68.8 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	**Duration**
LAS > 85 dB	1	1
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

Sound Exposure

SELA	98.4 dB
EA (Pa²s)	2.7 Pa²s
EA,8 h (Pa²s)	87.6 Pa²s
EA,40 h (Pa²s)	438.0 Pa²s
EA (Pa²h)	0.0 Pa²h
EA,8 h (Pa²h)	0.0 Pa²h
EA,40 h (Pa²h)	0.1 Pa²h



Powered by Larson Davis

Site Number: 2
Recorded By: Lindsay Buck
Job Number: 2024-189
Date: 12/17/2024
Time: 10:28 a.m. -10:43 a.m.
Location: Intersection south of Del Amo Boulevard and west of Fidler Avenue.
Source of Peak Noise: Vehicles along Del Amo Boulevard.

Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
69.8	56.8	82.0	95.8

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min.	**Sky:** Clear	
	Note: dBA Offset = 0.03	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	2	59	30.14

Photo of Measurement Location

Spartan 821 Summary: 2025-01-07 10:09:18

User:

Location:

Job Description:

Notes: Could not parse section, making sure you have the latest G4 installed may resolve this issue.

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:67615238:00000746	

Overall Measurement

Start Date & Time	2024-12-17 10:28:08		
Stop Date & Time	2024-12-17 10:43:38		
Run Time	00:15:30		
Pre-Calibration			
Date/Time	2024-12-17 10:09:15		
Calibrator Level	94.0 dB		
Meter Sensitivity	-26.11 dB re 1V/Pa		
Post-Calibration			
Date/Time	---		
Calibrator Level	---		
Meter Sensitivity	---		
Sensitivity Delta	---		
LAIeq	71.8 dB		
	A	**C**	**Z**
Lweq	69.8	77.7	78.4
Lwpk	95.8 dB	104.1 dB	104.6 dB
	2024-12-17 10:28:45	2024-12-17 10:28:44	2024-12-17 10:28:44
LwSmin	56.8 dB	66.5 dB	68.4 dB
	2024-12-17 10:33:12	2024-12-17 10:43:13	2024-12-17 10:33:12
LwSmax	82.0 dB	95.2 dB	95.3 dB
	2024-12-17 10:28:45	2024-12-17 10:38:46	2024-12-17 10:38:46
LwFmin	56.2 dB	65.1 dB	66.7 dB
	2024-12-17 10:33:12	2024-12-17 10:39:35	2024-12-17 10:39:35
LwFmax	85.6 dB	98.0 dB	98.1 dB
	2024-12-17 10:28:45	2024-12-17 10:38:46	2024-12-17 10:38:46
LwImin	57.4 dB	68.6 dB	70.3 dB
	2024-12-17 10:33:12	2024-12-17 10:43:12	2024-12-17 10:33:32
LwImax	86.8 dB	98.9 dB	99.0 dB
	2024-12-17 10:28:45	2024-12-17 10:38:46	2024-12-17 10:38:46
w = frequency weighting (A, C or Z)			
Overload Count	0		
Overload Duration	00:00:00		
	A	**C**	**Z**
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 2.0	75.5 dB
LAS 8.0	73.2 dB
LAS 25.0	71.0 dB
LAS 50.0	68.1 dB
LAS 90.0	62.2 dB
LAS 90.0	62.2 dB

Virtual Dosimeters

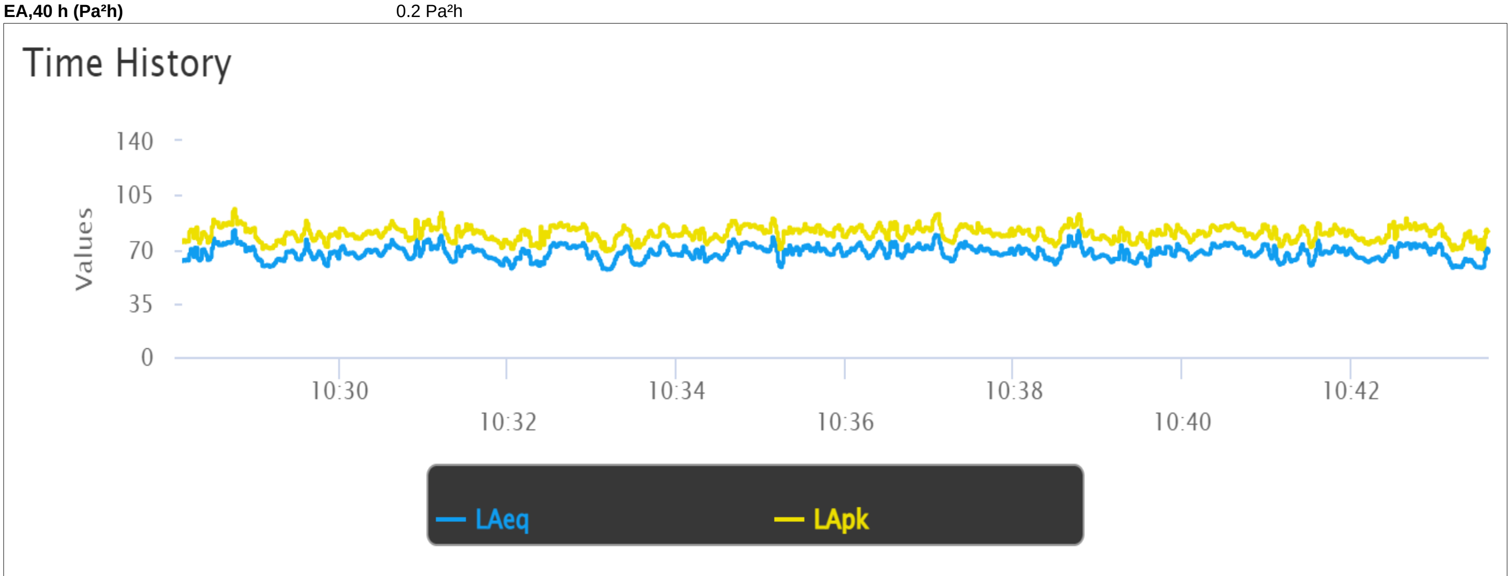
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.1%	0.1%	0.1%
Lavg	--- dB	37.5 dB	54.8 dB	54.8 dB
TWA(8)	--- dB	12.7 dB	39.9 dB	39.9 dB
Projected TWA(8)	--- dB	37.5 dB	54.8 dB	54.8 dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	54.9 dB	54.9 dB	54.9 dB	54.9 dB
Projected LEP'd/Lex,8h	69.8 dB	69.8 dB	69.8 dB	69.8 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	Duration
LAS > 85 dB	0	0
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

Sound Exposure

SELA	99.5 dB
EA (Pa²s)	3.5 Pa²s
EA,8 h (Pa²s)	109.5 Pa²s
EA,40 h (Pa²s)	547.5 Pa²s
EA (Pa²h)	0.0 Pa²h
EA,8 h (Pa²h)	0.0 Pa²h
EA,40 h (Pa²h)	0.2 Pa²h



Site Number: 3
Recorded By: Lindsay Buck
Job Number: 2024-189
Date: 12/17/2024
Time: 10:47 a.m. – 11:02 a.m.
Location: East of Civic Center Way and approximately 180 feet north of Del Amo Boulevard.
Source of Peak Noise: Vehicles along Del Amo Boulevard.

Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
59.8	46.9	74.5	97.3

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min.	**Sky:** Clear	
	Note: dBA Offset = 0.03	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	2	59	30.14

<u>Photo of Measurement Location</u>

Spartan 821 Summary: 2025-01-07 10:09:28

User:

Location:

Job Description:

Notes: Could not parse section, making sure you have the latest G4 installed may resolve this issue.

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:676156C6:0000074C	

Overall Measurement

Start Date & Time	2024-12-17 10:47:34		
Stop Date & Time	2024-12-17 11:02:34		
Run Time	00:15:00		
Pre-Calibration			
Date/Time	2024-12-17 10:09:15		
Calibrator Level	94.0 dB		
Meter Sensitivity	-26.11 dB re 1V/Pa		
Post-Calibration			
Date/Time	---		
Calibrator Level	---		
Meter Sensitivity	---		
Sensitivity Delta	---		
LAIeq	63.1 dB		
	A	**C**	**Z**
Lweq	59.8	69.1	72.9
Lwpk	97.3 dB	98.1 dB	101.5 dB
	2024-12-17 11:01:04	2024-12-17 10:57:44	2024-12-17 10:52:50
LwSmin	46.9 dB	62.5 dB	65.3 dB
	2024-12-17 10:48:07	2024-12-17 11:01:15	2024-12-17 10:55:16
LwSmax	74.5 dB	85.8 dB	91.8 dB
	2024-12-17 10:52:51	2024-12-17 10:57:44	2024-12-17 10:52:51
LwFmin	46.1 dB	60.1 dB	63.6 dB
	2024-12-17 11:01:14	2024-12-17 11:01:14	2024-12-17 10:55:16
LwFmax	77.8 dB	90.2 dB	96.2 dB
	2024-12-17 10:52:51	2024-12-17 10:57:44	2024-12-17 10:52:51
LwImin	47.7 dB	65.0 dB	68.0 dB
	2024-12-17 10:48:07	2024-12-17 11:01:15	2024-12-17 10:55:16
LwImax	78.5 dB	91.6 dB	98.0 dB
	2024-12-17 11:01:04	2024-12-17 10:57:44	2024-12-17 10:52:51
w = frequency weighting (A, C or Z)			
Overload Count	0		
Overload Duration	00:00:00		
	A	**C**	**Z**
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 2.0	69.1 dB
LAS 8.0	63.0 dB
LAS 25.0	58.4 dB
LAS 50.0	55.8 dB
LAS 90.0	52.0 dB
LAS 90.0	52.0 dB

Virtual Dosimeters

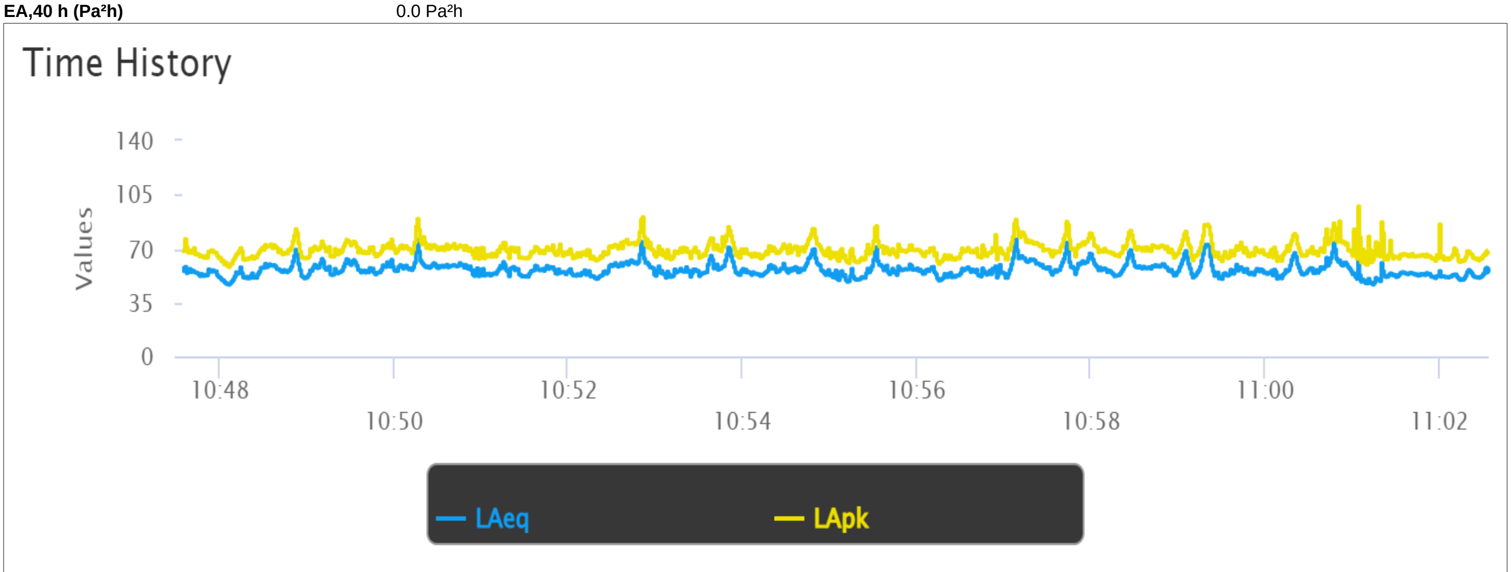
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.0%	0.0%	0.0%
Lavg	--- dB	--- dB	--- dB	--- dB
TWA(8)	--- dB	--- dB	--- dB	--- dB
Projected TWA(8)	--- dB	--- dB	--- dB	--- dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	44.8 dB	44.8 dB	44.8 dB	44.8 dB
Projected LEP'd/Lex,8h	59.8 dB	59.8 dB	59.8 dB	59.8 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	Duration
LAS > 85 dB	0	0
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

Sound Exposure

SELA	89.4 dB
EA (Pa²s)	0.3 Pa²s
EA,8 h (Pa²s)	11.1 Pa²s
EA,40 h (Pa²s)	55.4 Pa²s
EA (Pa²h)	0.0 Pa²h
EA,8 h (Pa²h)	0.0 Pa²h
EA,40 h (Pa²h)	0.0 Pa²h



Powered by Larson Davis

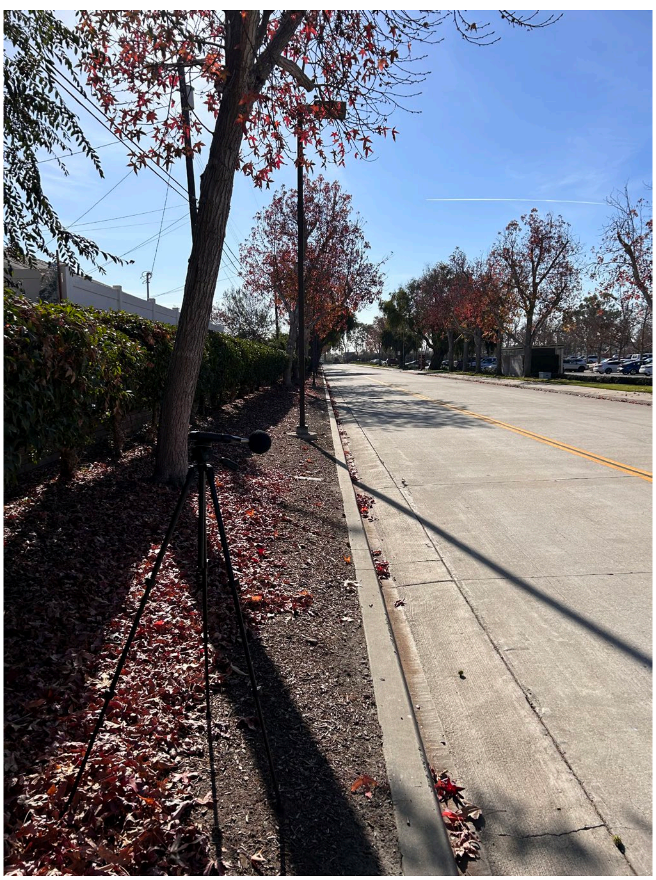
Site Number: 4
Recorded By: Lindsay Buck
Job Number: 2024-189
Date: 12/17/2024
Time: 11:05 a.m. – 11:20 a.m.
Location: East of Civic Center Way approximately 100 feet north of Del Amo Boulevard.
Source of Peak Noise: Vehicles along Civic Center Wat and leaf blowers.

Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
61.1	43.6	78.4	94.8

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min.	**Sky:** Clear	
	Note: dBA Offset = 0.03	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	2	59	30.14

Photo of Measurement Location



Spartan 821 Summary: 2025-01-07 10:08:25

User:

Location:

Job Description:

Notes: Could not parse section, making sure you have the latest G4 installed may resolve this issue.

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:67615B0A:00000753	

Overall Measurement

Start Date & Time	2024-12-17 11:05:46		
Stop Date & Time	2024-12-17 11:20:47		
Run Time	00:15:01		
Pre-Calibration			
Date/Time	2024-12-17 10:09:15		
Calibrator Level	94.0 dB		
Meter Sensitivity	-26.11 dB re 1V/Pa		
Post-Calibration			
Date/Time	---		
Calibrator Level	---		
Meter Sensitivity	---		
Sensitivity Delta	---		
LAIeq	65.0 dB		
	A	**C**	**Z**
Lweq	61.1	68.1	75.3
Lwpk	94.8 dB	101.1 dB	107.3 dB
	2024-12-17 11:17:39	2024-12-17 11:14:15	2024-12-17 11:17:39
LwSmin	43.6 dB	61.3 dB	65.0 dB
	2024-12-17 11:18:20	2024-12-17 11:19:32	2024-12-17 11:18:56
LwSmax	78.4 dB	89.1 dB	98.8 dB
	2024-12-17 11:14:15	2024-12-17 11:14:15	2024-12-17 11:17:39
LwFmin	43.0 dB	58.7 dB	62.1 dB
	2024-12-17 11:18:15	2024-12-17 11:18:19	2024-12-17 11:07:21
LwFmax	82.0 dB	92.6 dB	103.7 dB
	2024-12-17 11:17:39	2024-12-17 11:14:15	2024-12-17 11:17:39
LwImin	44.4 dB	63.7 dB	68.0 dB
	2024-12-17 11:18:20	2024-12-17 11:19:28	2024-12-17 11:14:49
LwImax	83.1 dB	93.6 dB	105.5 dB
	2024-12-17 11:17:39	2024-12-17 11:14:15	2024-12-17 11:17:39
w = frequency weighting (A, C or Z)			
Overload Count	0		
Overload Duration	00:00:00		
	A	**C**	**Z**
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 2.0	71.6 dB
LAS 8.0	65.2 dB
LAS 25.0	56.6 dB
LAS 50.0	49.0 dB
LAS 90.0	45.5 dB
LAS 90.0	45.5 dB

Virtual Dosimeters

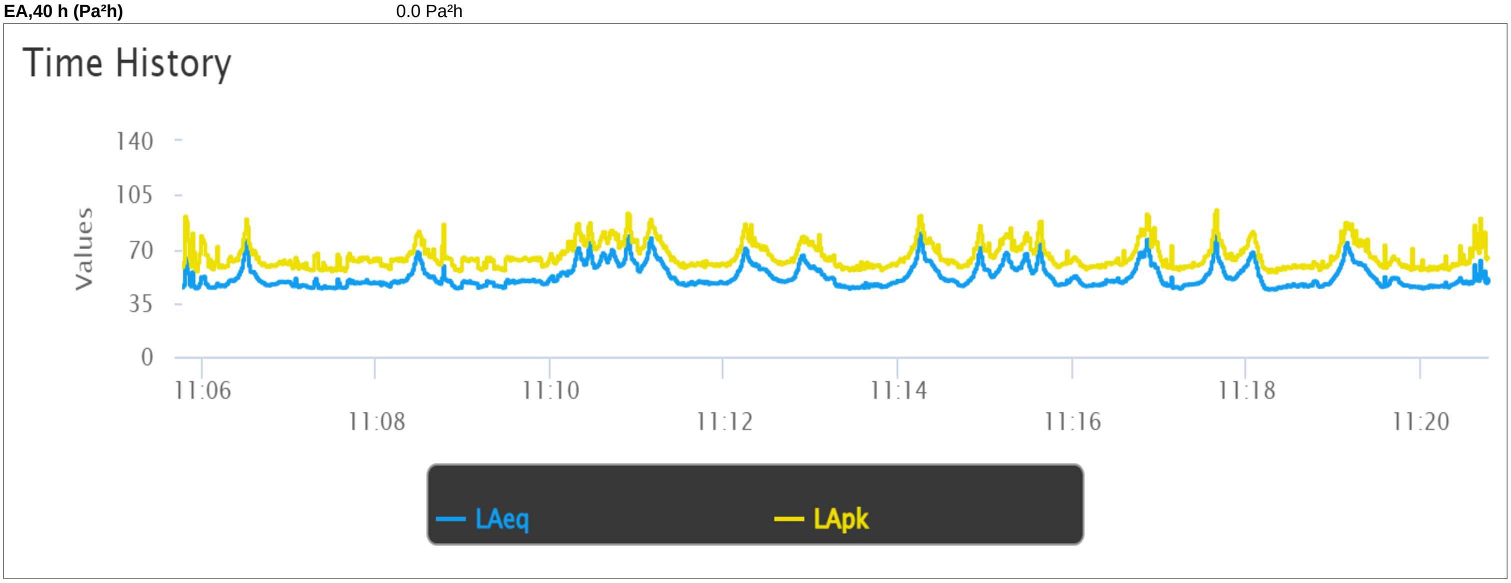
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.0%	0.0%	0.0%
Lavg	--- dB	--- dB	--- dB	--- dB
TWA(8)	--- dB	--- dB	--- dB	--- dB
Projected TWA(8)	--- dB	--- dB	--- dB	--- dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	46.0 dB	46.0 dB	46.0 dB	46.0 dB
Projected LEP'd/Lex,8h	61.1 dB	61.1 dB	61.1 dB	61.1 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	Duration
LAS > 85 dB	0	0
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

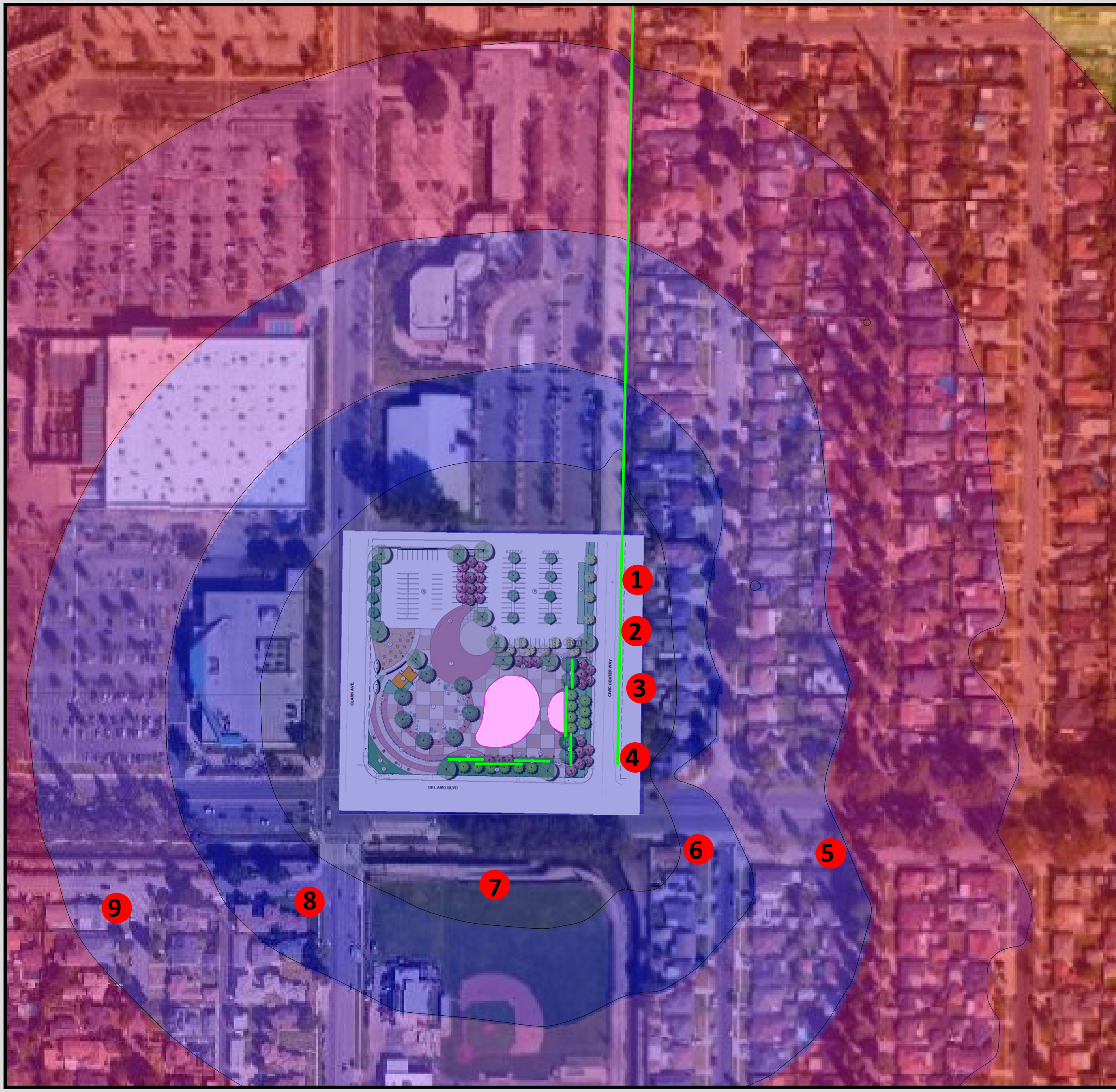
Sound Exposure

SELA	90.6 dB
EA (Pa²s)	0.5 Pa²s
EA,8 h (Pa²s)	14.8 Pa²s
EA,40 h (Pa²s)	74.1 Pa²s
EA (Pa²h)	0.0 Pa²h
EA,8 h (Pa²h)	0.0 Pa²h
EA,40 h (Pa²h)	0.0 Pa²h



ATTACHMENT B

SoundPLAN Output Modeling and Data



Lakewood Corner Lot
Project Noise Levels

Signs and symbols
- Noise Receptors
- Sound Wall
- Area source

Level scale in dB(A)
Leq

<=	35
35 -	38
38 -	41
41 -	44
44 -	47
47 -	50
50 -	53
53 -	56
56 -	59
>	59

N

Scale 1:267
0 50 100 200 300 400 feet

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

Map Date: 8/20/2025
2024-189 Lakewood Corner Lot Project

Sound PLAN

SoundPLAN
Output Source Information

Lakewood Corner Lot SoundPLAN Outputs

Number	Reciever Name	Floor	Level at Receiver
1	Residence East of Project Site	Ground Floor	58.7 dBA
2	Residence East of Project Site	Ground Floor	57.4 dBA
3	Residence East of Project Site	Ground Floor	57.2 dBA
4	Residence East of Project Site	Ground Floor	55.1 dBA
5	Residence Southeast of Project Site	Ground Floor	50.0 dBA
6	Residence Southeast of Project Site	Ground Floor	57.2 dBA
7	High School Baseball Field	Ground Floor	59.4 dBA
8	Residence Southwest of Project Site	Ground Floor	57.3 dBA
9	Residence Southwest of Project Site	Ground Floor	53.7 dBA

Number	Noise Source Information	Citation	Level at Source
1	Reference Noise Measurment (Concert in the Park)	ECORP Consulting Reference Measurement	84.0 dBA