

APPENDIX G:
NOISE MONITORING DATA AND CALCULATIONS WORKSHEETS

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Summary

File Name on Meter 831_Data.046.s
Serial Number 0010304
Model SoundAdvisor™ Model 831C
Firmware Version 04.5.1R0
User Adrianna Gjonaj
Job Description 11905 Wilshire Boulevard Project
Location A: On the west side of Westgate Avenue, adjacent to the Project Site
Noise Sources: Vehicle traffic, pedestrian traffic, trash truck, delivery trucks


Measurement

Description
Latitude GPS Not Synchronized
Longitude GPS Not Synchronized
Elevation GPS Not Synchronized
Start 2022-04-06 10:57:50
Stop 2022-04-06 11:12:50
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0

Pre-Calibration 2022-04-06 10:40:29
Post-Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamplifier PRM831
Microphone Correction Off
Integration Method Linear
Gain 0.0 dB
Overload 144.9 dB

	A	C	Z
Under Range Peak	66.6	67.6	69.6 dB
Under Range Limit	25.8	26.6	37.6 dB
Noise Floor	16.6	17.3	25.1 dB

Results

LAeq	65.7		
LAE	95.2		
EA	369.198 $\mu\text{Pa}^2\text{h}$		
LApeak (max)	2022-04-06 11:06:21	102.2 dB	
LASmax	2022-04-06 11:06:22	87.0 dB	
LASmin	2022-04-06 11:10:54	48.5 dB	
SEA	-99.94 dB		
LAFTM5	72.2 dB		

LAS > 65.0 dB (Exceedance Counts / Duration)	42	220.2 s	
LAS > 85.0 dB (Exceedance Counts / Duration)	1	1.7 s	
LApeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LApeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LApeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s	

Community Noise	Ldn	LDay 07:00-22:00	Lden	LDay 07:00-19:00
	65.7	65.7	65.7	65.7

LCeq	72.7 dB
LAeq	65.7 dB
LCeq - LAeq	7.0 dB
LAleq	68.9 dB
LAeq	65.7 dB
LAleq - LAeq	3.3 dB



Leq
 LS(max)
 LF(max)
 LI(max)
 LS(min)
 LF(min)
 LI(min)
 LPeak(max)

A		
	dB	Time Stamp
	65.7	
	87.0	2022/04/06 11:06:22
	90.2	2022/04/06 11:06:22
	90.8	2022/04/06 11:06:22
	48.5	2022/04/06 11:10:54
	46.1	2022/04/06 11:10:58
	47.7	2022/04/06 11:10:53
	102.2	2022/04/06 11:06:21

Overload Count 0
 Overload Duration 0.0 s

Statistics

LAI5.00	70.0 dB
LAI10.00	67.9 dB
LAI33.30	62.6 dB
LAI50.00	60.6 dB
LAI66.60	58.9 dB
LAI90.00	55.0 dB

Summary

File Name on Meter 831_Data.045.s
Serial Number 0010304
Model SoundAdvisor™ Model 831C
Firmware Version 04.5.1R0
User Adrianna Gjonaj
Job Description 11905 Wilshire Boulevard Project
Location B: On the west side of Westgate Avenue, north of Goshen Avenue
Noise Sources: Light vehicle traffic, light pedestrian traffic


Measurement

Description
Latitude GPS Not Synchronized
Longitude GPS Not Synchronized
Elevation GPS Not Synchronized
Start 2022-04-06 10:40:54
Stop 2022-04-06 10:55:54
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0

Pre-Calibration 2022-04-06 10:40:29
Post-Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamplifier PRM831
Microphone Correction Off
Integration Method Linear
Gain 0.0 dB
Overload 144.9 dB

	A	C	Z
Under Range Peak	66.6	67.6	69.6 dB
Under Range Limit	25.8	26.6	37.6 dB
Noise Floor	16.6	17.3	25.1 dB

Results

LAeq 61.1
LAE 90.7
EA 129.625 $\mu\text{Pa}^2\text{h}$
LApeak (max) 2022-04-06 10:51:36 103.7 dB
LASmax 2022-04-06 10:52:29 78.4 dB
LASmin 2022-04-06 10:48:37 42.4 dB
SEA -99.94 dB
LAFTM5 68.5 dB

LAS > 65.0 dB (Exceedance Counts / Duration)	29	103.6 s
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	Lden	LDay 07:00-19:00
	61.1	61.1	61.1	61.1
LCeq	68.0 dB			
LAeq	61.1 dB			
LCeq - LAeq	6.9 dB			
LAleq	65.8 dB			
LAeq	61.1 dB			
LAleq - LAeq	4.6 dB			



Leq
 LS(max)
 LF(max)
 LI(max)
 LS(min)
 LF(min)
 LI(min)
 LPeak(max)

A	
dB	Time Stamp
61.1	
78.4	2022/04/06 10:52:29
82.1	2022/04/06 10:41:51
83.8	2022/04/06 10:41:51
42.4	2022/04/06 10:48:37
41.1	2022/04/06 10:49:44
42.3	2022/04/06 10:48:38
103.7	2022/04/06 10:51:36

Overload Count 0
 Overload Duration 0.0 s

Statistics

LAI5.00	67.4 dB
LAI10.00	64.5 dB
LAI33.30	55.3 dB
LAI50.00	51.5 dB
LAI66.60	49.1 dB
LAI90.00	45.4 dB

Summary

File Name on Meter 831_Data.047.s
Serial Number 0010304
Model SoundAdvisor™ Model 831C
Firmware Version 04.5.1R0
User Adrianna Gjonaj
Job Description 11905 Wilshire Boulevard Project
Location C: On the east side of Armacost Avenue, south of Wilshire Boulevard
Noise Sources: Vehicle traffic, light pedestrian traffic, delivery trucks


Measurement

Description
Latitude GPS Not Synchronized
Longitude GPS Not Synchronized
Elevation GPS Not Synchronized
Start 2022-04-06 11:15:19
Stop 2022-04-06 11:30:19
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0

Pre-Calibration 2022-04-06 10:40:29
Post-Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamplifier PRM831
Microphone Correction Off
Integration Method Linear
Gain 0.0 dB
Overload 144.9 dB

	A	C	Z
Under Range Peak	66.6	67.6	69.6 dB
Under Range Limit	25.8	26.6	37.6 dB
Noise Floor	16.6	17.3	25.1 dB

Results

LAeq	60.6		
LAE	90.1		
EA	114.481 $\mu\text{Pa}^2\text{h}$		
LApeak (max)	2022-04-06 11:27:05	95.6 dB	
LASmax	2022-04-06 11:27:05	78.6 dB	
LASmin	2022-04-06 11:16:53	45.5 dB	
SEA	-99.94 dB		
LAFTM5	68.0 dB		
LAS > 65.0 dB (Exceedance Counts / Duration)	21	92.0 s	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LApeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LApeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LApeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s	

Community Noise	Ldn	LDay 07:00-22:00	Lden	LDay 07:00-19:00
	60.6	60.6	60.6	60.6
LCeq	68.2 dB			
LAeq	60.6 dB			
LCeq - LAeq	7.6 dB			
LAleq	64.4 dB			
LAeq	60.6 dB			
LAleq - LAeq	3.9 dB			



Leq
 LS(max)
 LF(max)
 LI(max)
 LS(min)
 LF(min)
 LI(min)
 LPeak(max)

A	
dB	Time Stamp
60.6	
78.6	2022/04/06 11:27:05
82.4	2022/04/06 11:27:05
84.0	2022/04/06 11:27:04
45.5	2022/04/06 11:16:53
44.6	2022/04/06 11:16:53
45.2	2022/04/06 11:16:53
95.6	2022/04/06 11:27:05

Overload Count 0
 Overload Duration 0.0 s

Statistics

LAI5.00	67.9 dB
LAI10.00	63.7 dB
LAI33.30	52.5 dB
LAI50.00	50.3 dB
LAI66.60	49.2 dB
LAI90.00	48.0 dB

Summary

File Name on Meter 831_Data.048.s
Serial Number 0010304
Model SoundAdvisor™ Model 831C
Firmware Version 04.5.1R0
User Adrianna Gjonaj
Job Description 11905 Wilshire Boulevard Project
Location D: On the west side of Westgate Avenue, south of Wilshire Boulevard
Noise Sources: Vehicle traffic, light pedestrian traffic


Measurement

Description
Latitude GPS Not Synchronized
Longitude GPS Not Synchronized
Elevation GPS Not Synchronized
Start 2022-04-06 11:32:51
Stop 2022-04-06 11:47:51
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0

Pre-Calibration 2022-04-06 10:40:29
Post-Calibration None
Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
Peak Weight A Weighting
Detector Slow
Preamplifier PRM831
Microphone Correction Off
Integration Method Linear
Gain 0.0 dB
Overload 144.9 dB

	A	C	Z
Under Range Peak	66.6	67.6	69.6 dB
Under Range Limit	25.8	26.6	37.6 dB
Noise Floor	16.6	17.3	25.1 dB

Results

LAeq 60.8
LAE 90.4
EA 121.155 $\mu\text{Pa}^2\text{h}$
LApeak (max) 2022-04-06 11:46:28 98.5 dB
LASmax 2022-04-06 11:46:28 76.0 dB
LASmin 2022-04-06 11:33:07 50.1 dB
SEA -99.94 dB
LAFTM5 67.5 dB

LAS > 65.0 dB (Exceedance Counts / Duration)	26	98.7 s
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LApeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LApeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LApeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

Community Noise	Ldn	LDay 07:00-22:00	Lden	LDay 07:00-19:00
	60.8	60.8	60.8	60.8
LCeq	70.5 dB			
LAeq	60.8 dB			
LCeq - LAeq	9.7 dB			
LAleq	64.4 dB			
LAeq	60.8 dB			
LAleq - LAeq	3.5 dB			



Leq
 LS(max)
 LF(max)
 LI(max)
 LS(min)
 LF(min)
 LI(min)
 LPeak(max)

A		
	dB	Time Stamp
	60.8	
	76.0	2022/04/06 11:46:28
	81.8	2022/04/06 11:46:28
	85.1	2022/04/06 11:46:28
	50.1	2022/04/06 11:33:07
	49.3	2022/04/06 11:33:06
	49.5	2022/04/06 11:33:06
	98.5	2022/04/06 11:46:28

Overload Count 0
 Overload Duration 0.0 s

Statistics

LAI5.00	67.6 dB
LAI10.00	64.1 dB
LAI33.30	57.6 dB
LAI50.00	56.2 dB
LAI66.60	55.1 dB
LAI90.00	53.3 dB

Report date: 9/13/22
 Project: 11905 Wilshire Boulevard
 Phase: Demolition/Site Clearing

RECEPTOR #1												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential immediately north of the Project Site, south of Goshen Avenue		Residential	65.7									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation		With Mitigation			
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Concrete/Industrial Saw	No	20	90	90	15	90	0	84.9	77.9	15	69.9	62.9
Rubber Tired Dozer	No	40	85	82	15	90	0	76.9	72.9	15	64.9	60.9
							Construction Noise Level (dBA Leq)			Results		
							79.1			65.0		
							Noise Level Above Ambient			Noise Level Above Ambient		
							13.4			-0.7		

RECEPTOR #2												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential northeast of the Project Site, south of Goshen Avenue and east of Westgate Avenue		Residential	65.7									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation		With Mitigation			
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Concrete/Industrial Saw	No	20	90	90	65	170	0	79.4	72.4	15	64.4	57.4
Rubber Tired Dozer	No	40	85	82	65	170	0	71.4	67.4	15	59.4	55.4
							Construction Noise Level (dBA Leq)			Results		
							73.6			59.5		
							Noise Level Above Ambient			Noise Level Above Ambient		
							7.9			-6.2		

RECEPTOR #3												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential further north of the Project Site, north of Goshen Avenue		Residential	61.1									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation		With Mitigation			
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Concrete/Industrial Saw	No	20	90	90	225	300	5	69.4	62.4	15	59.4	52.4
Rubber Tired Dozer	No	40	85	82	225	300	5	61.4	57.5	15	54.4	50.5
							Construction Noise Level (dBA Leq)			Results		
							63.6			54.6		
							Noise Level Above Ambient			Noise Level Above Ambient		
							2.5			-6.5		

RECEPTOR #4												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Brockton Avenue and Armacost Avenue		Residential	60.9									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation		With Mitigation			
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Concrete/Industrial Saw	No	20	90	90	255	340	5	68.3	61.4	15	58.3	51.4
Rubber Tired Dozer	No	40	85	82	255	340	5	60.3	56.4	15	53.3	49.4
							Construction Noise Level (dBA Leq)			Results		
							62.6			53.5		
							Noise Level Above Ambient			Noise Level Above Ambient		
							1.7			-7.4		

RECEPTOR #5												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Westgate Avenue and Granville Avenue		Residential	60.8									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation		With Mitigation			
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Concrete/Industrial Saw	No	20	90	90	235	310	5	69.2	62.2	15	59.2	52.2
Rubber Tired Dozer	No	40	85	82	235	310	5	61.2	57.2	15	54.2	50.2
							Construction Noise Level (dBA Leq)			Results		
							63.4			54.3		
							Noise Level Above Ambient			Noise Level Above Ambient		
							2.6			-6.5		

- Notes:**
- Daytime noise levels are based on presumed ambient noise levels per LAMC 111.03.
 - An attenuation factor of 5 dBA was applied for sensitive receptors where buildings separate the Project Site and the associated sensitive receptor.
 - Calculations based on the loudest two pieces of heavy construction equipment specific to each phase.

Source: Roadway Construction Noise Model (RCNM), Version 1.1



Report date: 9/13/22
 Project: 11905 Wilshire Boulevard
 Phase: Grading

RECEPTOR #1												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential immediately north of the Project Site, south of Goshen Avenue		Residential	65.7									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Grader	No	40	85	85	15	90	0	79.9	75.9	15	64.9	60.9
Rubber Tired Dozer	No	40	85	82	15	90	0	76.9	72.9	15	64.9	60.9
							Construction Noise Level (dBA Leq)			Results		
							Noise Level Above Ambient			Noise Level Above Ambient		
							77.7			63.9		
							12.0			-1.8		

RECEPTOR #2												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential northeast of the Project Site, south of Goshen Avenue and east of Westgate Avenue		Residential	65.7									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Grader	No	40	85	85	65	170	0	74.4	70.4	15	59.4	55.4
Rubber Tired Dozer	No	40	85	82	65	170	0	71.4	67.4	15	59.4	55.4
							Construction Noise Level (dBA Leq)			Results		
							Noise Level Above Ambient			Noise Level Above Ambient		
							72.2			58.4		
							6.5			-7.3		

RECEPTOR #3												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential further north of the Project Site, north of Goshen Avenue		Residential	61.1									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Grader	No	40	85	85	225	300	5	64.4	60.5	15	54.4	50.5
Rubber Tired Dozer	No	40	85	82	225	300	5	61.4	57.5	15	54.4	50.5
							Construction Noise Level (dBA Leq)			Results		
							Noise Level Above Ambient			Noise Level Above Ambient		
							62.2			53.5		
							1.1			-7.6		

RECEPTOR #4												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Brockton Avenue and Armacost Avenue		Residential	60.9									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Grader	No	40	85	85	265	340	5	63.3	59.4	15	53.3	49.4
Rubber Tired Dozer	No	40	85	82	265	340	5	60.3	56.4	15	53.3	49.4
							Construction Noise Level (dBA Leq)			Results		
							Noise Level Above Ambient			Noise Level Above Ambient		
							61.1			52.4		
							0.2			-8.5		

RECEPTOR #5												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Westgate Avenue and Granville Avenue		Residential	60.8									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
							Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Grader	No	40	85	85	235	310	5	64.2	60.2	15	54.2	50.2
Rubber Tired Dozer	No	40	85	82	235	310	5	61.2	57.2	15	54.2	50.2
							Construction Noise Level (dBA Leq)			Results		
							Noise Level Above Ambient			Noise Level Above Ambient		
							61.9			53.2		
							1.1			-7.6		

- Notes:**
- Daytime noise levels are based on presumed ambient noise levels per LAMC 111.03.
 - An attenuation factor of 5 dBA was applied for sensitive receptors where buildings separate the Project Site and the associated sensitive receptor.
 - Calculations based on the loudest two pieces of heavy construction equipment specific to each phase.

Source: Roadway Construction Noise Model (RCNM), Version 1.1



Report date: 9/13/22
 Project: 11905 Wilshire Boulevard
 Phase: Building Construction

RECEPTOR #1												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential immediately north of the Project Site, south of Goshen Avenue		Residential	65.7									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
Crane	No	16	85	81	15	90	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Generator	No	50	82	81	15	90	(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
							0	75.9	67.9	15	64.9	56.9
							0	75.9	72.9	15	61.9	58.9
							Construction Noise Level (dBA Leq)			Results		
							74.1			61.0		
							Noise Level Above Ambient			Noise Level Above Ambient		
							8.4			-4.7		

RECEPTOR #2												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential northeast of the Project Site, south of Goshen Avenue and east of Westgate Avenue		Residential	65.7									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
Crane	No	16	85	81	65	170	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Generator	No	50	82	81	65	170	(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
							0	70.4	62.4	15	59.4	51.4
							0	70.4	67.4	15	56.4	53.4
							Construction Noise Level (dBA Leq)			Results		
							68.6			55.5		
							Noise Level Above Ambient			Noise Level Above Ambient		
							2.9			-10.2		

RECEPTOR #3												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential further north of the Project Site, north of Goshen Avenue		Residential	61.1									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
Crane	No	16	85	81	225	300	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Generator	No	50	82	81	225	300	(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
							5	60.4	52.5	15	54.4	46.5
							5	60.4	57.4	15	51.4	48.4
							Construction Noise Level (dBA Leq)			Results		
							58.6			50.6		
							Noise Level Above Ambient			Noise Level Above Ambient		
							-2.5			-10.5		

RECEPTOR #4												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Brockton Avenue and Armacost Avenue		Residential	60.9									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
Crane	No	16	85	81	265	340	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Generator	No	50	82	81	265	340	(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
							5	59.3	51.4	15	53.3	45.4
							5	59.3	56.3	15	50.3	47.3
							Construction Noise Level (dBA Leq)			Results		
							57.5			49.5		
							Noise Level Above Ambient			Noise Level Above Ambient		
							-3.4			-11.4		

RECEPTOR #5												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Westgate Avenue and Granville Avenue		Residential	60.8									
Equipment												
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Without Mitigation			With Mitigation		
Crane	No	16	85	81	235	310	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Generator	No	50	82	81	235	310	(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
							5	60.2	52.2	15	54.2	46.2
							5	60.2	57.1	15	51.2	48.1
							Construction Noise Level (dBA Leq)			Results		
							58.3			50.3		
							Noise Level Above Ambient			Noise Level Above Ambient		
							-2.5			-10.5		

- Notes:**
- Daytime noise levels are based on presumed ambient noise levels per LAMC 111.03.
 - An attenuation factor of 5 dBA was applied for sensitive receptors where buildings separate the Project Site and the associated sensitive receptor.
 - Calculations based on the loudest two pieces of heavy construction equipment specific to each phase.



Report date: 9/13/22
 Project: 11905 Wilshire Boulevard
 Phase: Architectural Coatings

RECEPTOR #1												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential immediately north of the Project Site, south of Goshen Avenue		Residential	65.7									
Equipment							Without Mitigation			With Mitigation		
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Air Compressor	No	40	80	78	15	90	0	*Lmax	Leq	15	*Lmax	Leq
Air Compressor	No	40	80	78	15	90	0	72.9	68.9	15	59.9	55.9
							Construction Noise Level (dBA Leq)			Results		
							71.9			58.9		
							Noise Level Above Ambient			Noise Level Above Ambient		
							6.2			-6.8		

RECEPTOR #2												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential northeast of the Project Site, south of Goshen Avenue and east of Westgate Avenue		Residential	65.7									
Equipment							Without Mitigation			With Mitigation		
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Air Compressor	No	40	80	78	65	170	0	*Lmax	Leq	15	*Lmax	Leq
Air Compressor	No	40	80	78	65	170	0	67.4	63.4	15	54.4	50.4
							Construction Noise Level (dBA Leq)			Results		
							66.4			53.4		
							Noise Level Above Ambient			Noise Level Above Ambient		
							0.7			-12.3		

RECEPTOR #3												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential further north of the Project Site, north of Goshen Avenue		Residential	61.1									
Equipment							Without Mitigation			With Mitigation		
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Air Compressor	No	40	80	78	225	300	5	*Lmax	Leq	15	*Lmax	Leq
Air Compressor	No	40	80	78	225	300	5	57.4	53.5	15	49.4	45.5
							Construction Noise Level (dBA Leq)			Results		
							56.5			48.5		
							Noise Level Above Ambient			Noise Level Above Ambient		
							-4.6			-12.6		

RECEPTOR #4												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Brockton Avenue and Armacost Avenue		Residential	60.9									
Equipment							Without Mitigation			With Mitigation		
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Air Compressor	No	40	80	78	225	340	5	*Lmax	Leq	15	*Lmax	Leq
Air Compressor	No	40	80	78	225	340	5	56.3	52.4	15	48.3	44.4
							Construction Noise Level (dBA Leq)			Results		
							55.4			47.4		
							Noise Level Above Ambient			Noise Level Above Ambient		
							-5.5			-13.5		

RECEPTOR #5												
Description		Ambient/Baseline (dBA)										
		Land Use	Daytime									
Multi-family residential south of Wilshire Boulevard, fronting Westgate Avenue and Granville Avenue		Residential	60.8									
Equipment							Without Mitigation			With Mitigation		
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project Site (Feet)	Receptor Distance to Centerline of Project Site (Feet)	Estimated Shielding (dBA)	Calculated (dBA)		Estimated Shielding (dBA)	Calculated (dBA)	
Air Compressor	No	40	80	78	235	310	5	*Lmax	Leq	15	*Lmax	Leq
Air Compressor	No	40	80	78	235	310	5	57.2	53.2	15	49.2	45.2
							Construction Noise Level (dBA Leq)			Results		
							56.2			48.2		
							Noise Level Above Ambient			Noise Level Above Ambient		
							-4.6			-12.6		

- Notes:**
- Daytime noise levels are based on presumed ambient noise levels per LAMC 111.03.
 - An attenuation factor of 5 dBA was applied for sensitive receptors where buildings separate the Project Site and the associated sensitive receptor.
 - Calculations based on the loudest two pieces of heavy construction equipment specific to each phase.

Source: Roadway Construction Noise Model (RCNM), Version 1.1



Construction Noise Impact Summary Without Mitigation

Address	Ambient Noise (dBA Leq)	Noise Level Impact (dBA Leq) by Phase				Construction Noise Threshold (dBA Leq)**	Noise Impact Above Threshold
		Demo	Grading	Building	Architectural Coating		
RECEPTOR #1	65.7	79.1	77.7	74.1	71.9	70.7	8.4
RECEPTOR #2	65.7	73.6	72.2	68.6	66.4	70.7	2.9
RECEPTOR #3	61.1	63.6	62.2	58.6	56.5	66.1	-2.5
RECEPTOR #4	60.9	62.6	61.1	57.5	55.4	65.9	-3.3
RECEPTOR #5	60.8	63.4	61.9	58.3	56.2	65.8	-2.4

** Significance criteria is based on a 5- dBA noise increase above ambient threshold.

Construction Noise Impact Summary With Mitigation

Address	Ambient Noise (dBA Leq)	Noise Level Impact (dBA Leq) by Phase				Construction Noise Threshold (dBA Leq)**	Noise Impact Above Threshold
		Demo	Grading	Building	Architectural Coating		
RECEPTOR #1	65.7	65.0	63.9	61.0	58.9	70.7	0.0
RECEPTOR #2	65.7	59.5	58.4	55.5	53.4	70.7	0.0
RECEPTOR #3	61.1	54.6	53.5	50.6	48.5	66.1	0.0
RECEPTOR #4	60.9	53.5	52.4	49.5	47.4	65.9	0.0
RECEPTOR #5	60.8	54.3	53.2	50.3	48.2	65.8	0.0

** Significance criteria is based on a 5- dBA noise increase above ambient threshold.