

APPENDIX H: NOISE MONITORING DATA AND CALCULATION WORKSHEETS

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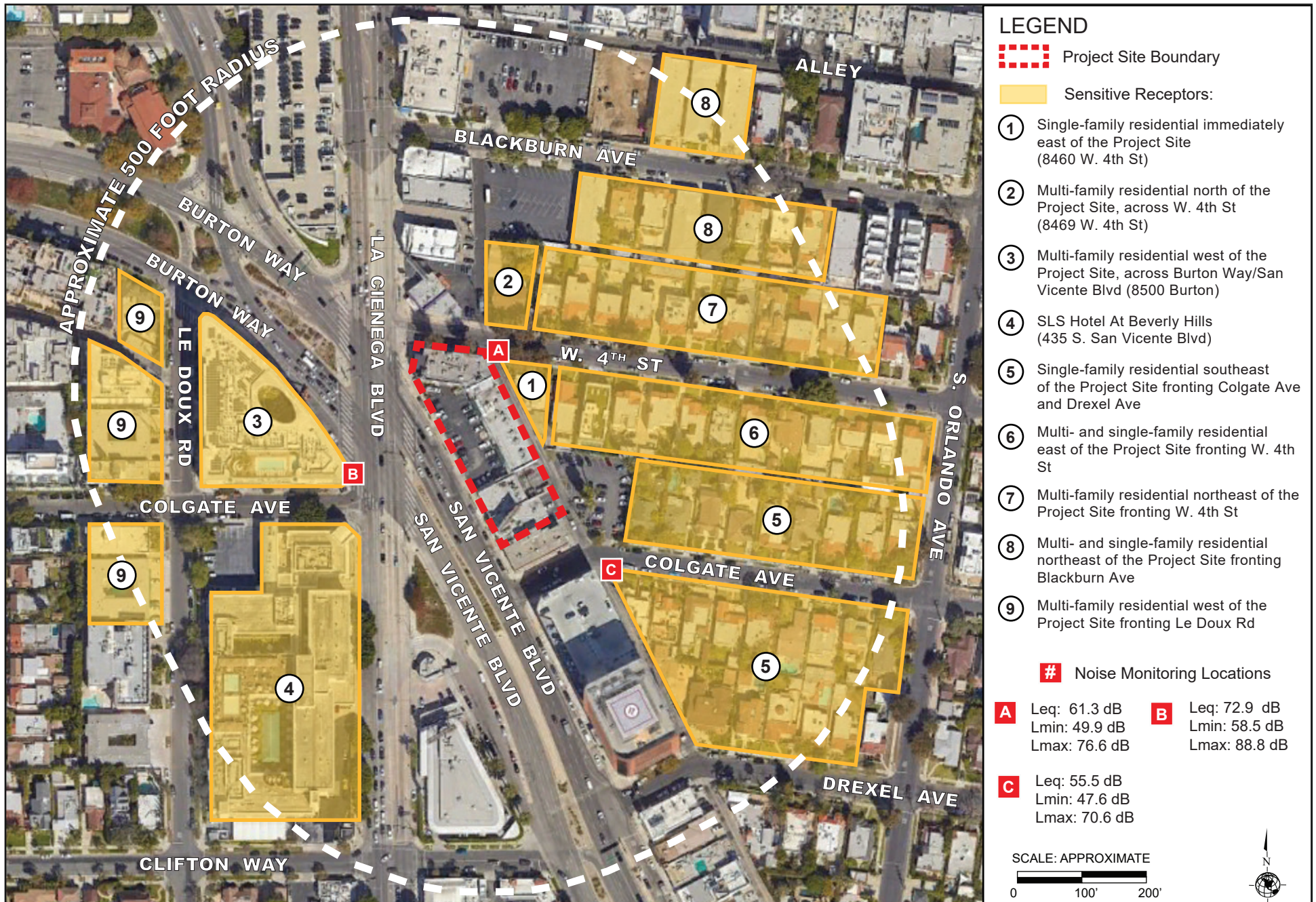


Figure 6.2
Noise Monitoring and Sensitive Receptor Location Map

Measurement Report

Report Summary

Meter's File Name	831_Data.100.s	Computer's File Name	831C_10304-20220811 113222-831_Data.100.ldbin
Meter	831C	10304	
Firmware	04.5.1R0		
User	Rachel Mills-Coyne	Location	Location A: On the south side of W. 4th Street, along the northern border of the Project Site.
Job Description	400 S. San Vicente		
Note	Quiet residential, some vehicle traffic (cars, trucks, delivery trucks); noise spillover from San Vicente		
Start Time	2022-08-11 11:32:22	Duration	0:15:00.0
End Time	2022-08-11 11:47:22	Run Time	0:15:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA _{eq}	61.3 dB		
LAE	90.8 dB	SEA	--- dB
EA	134.2 µPa²h	LAFTM5	70.3 dB
LZ _{peak}	106.2 dB	2022-08-11 11:46:46	
LAS _{max}	76.6 dB	2022-08-11 11:46:46	
LAS _{min}	49.9 dB	2022-08-11 11:39:11	
LA _{eq}	61.3 dB		
LC _{eq}	71.5 dB	LC _{eq} - LA _{eq}	10.2 dB
LAI _{eq}	68.9 dB	LAI _{eq} - LA _{eq}	7.6 dB

Exceedances

	Count	Duration
LAS > 65.0 dB	30	0:01:41.5
LAS > 85.0 dB	0	0:00:00.0
LZ _{peak} > 135.0 dB	0	0:00:00.0
LZ _{peak} > 137.0 dB	0	0:00:00.0
LZ _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
61.3 dB	61.3 dB	0.0 dB	
LDEN	LDay	LEve	LNight
61.3 dB	61.3 dB	--- dB	--- dB

Any Data

Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	61.3 dB		71.5 dB		75.2 dB	
L _{S(max)}	76.6 dB	2022-08-11 11:46:46	90.5 dB	2022-08-11 11:42:54	90.8 dB	2022-08-11 11:42:54
L _{F(max)}	84.3 dB	2022-08-11 11:46:46	93.3 dB	2022-08-11 11:42:54	96.5 dB	2022-08-11 11:42:58
L _{I(max)}	88.6 dB	2022-08-11 11:46:46	94.2 dB	2022-08-11 11:42:58	100.4 dB	2022-08-11 11:42:58
L _{S(min)}	49.9 dB	2022-08-11 11:39:11	63.9 dB	2022-08-11 11:39:22	67.1 dB	2022-08-11 11:42:17
L _{F(min)}	48.6 dB	2022-08-11 11:44:16	61.2 dB	2022-08-11 11:39:21	64.4 dB	2022-08-11 11:39:21
L _{I(min)}	49.7 dB	2022-08-11 11:39:10	65.4 dB	2022-08-11 11:39:21	68.0 dB	2022-08-11 11:42:16
L _{Peak(max)}	100.8 dB	2022-08-11 11:46:38	105.5 dB	2022-08-11 11:46:46	106.2 dB	2022-08-11 11:46:46

Overloads

Count	Duration
0	0:00:00.0

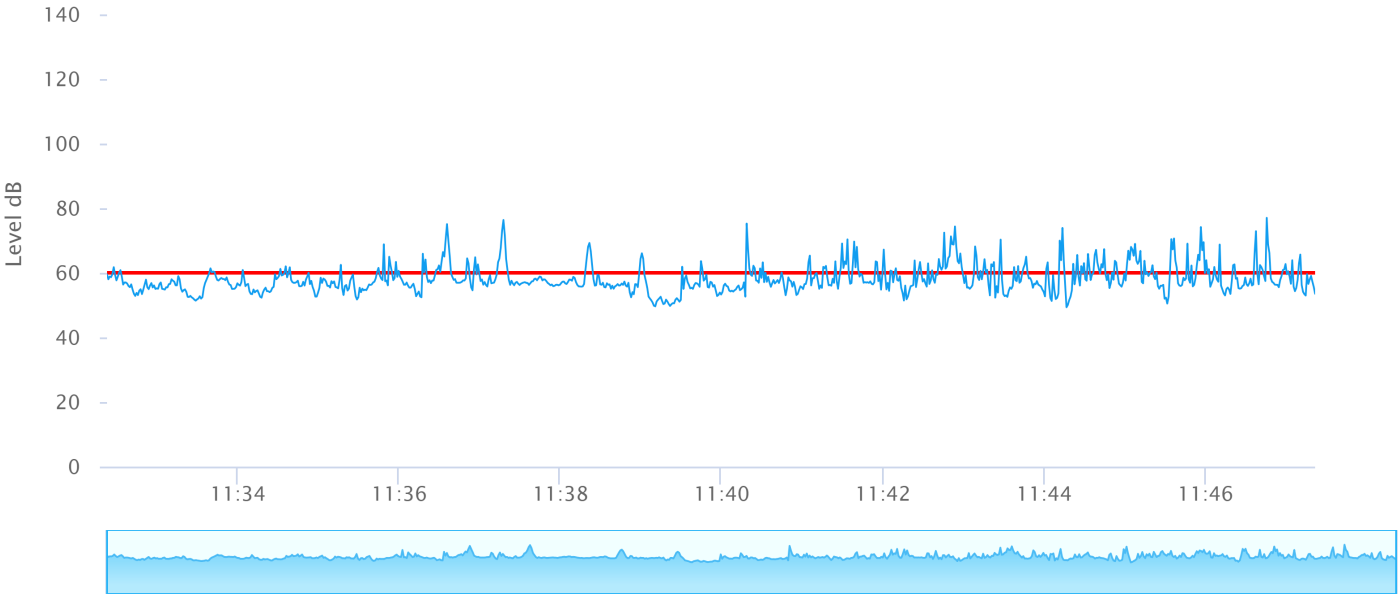
Statistics

LAS 5.0	66.9 dB
LAS 10.0	64.2 dB
LAS 33.3	59.4 dB
LAS 50.0	57.7 dB
LAS 66.6	56.6 dB
LAS 90.0	54.4 dB



Time History

Zoomed



Measurement Report

Report Summary

Meter's File Name	831_Data.102.s	Computer's File Name	831C_10304-20220811 121838-831_Data.102.ldbin
Meter	831C	10304	
Firmware	04.5.1R0		
User	Rachel Mills-Coyne	Location	Location B: At the intersection of La Cienega Boulevard and San Vicente Boulevard / Burton Way, across from the Project Site
Job Description	400 San Vicente		
Note	Major vehicle traffic (cars, trucks, delivery trucks, buses, motorcycles)		
Start Time	2022-08-11 12:18:38	Duration	0:15:00.0
End Time	2022-08-11 12:33:38	Run Time	0:15:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA _{eq}	72.9 dB		
LAE	102.5 dB	SEA	--- dB
EA	2.0 mPa²h	LAFTM5	77.0 dB
LZ _{peak}	106.5 dB	2022-08-11 12:20:29	
LAS _{max}	88.8 dB	2022-08-11 12:32:26	
LAS _{min}	58.5 dB	2022-08-11 12:24:17	
LA _{eq}	72.9 dB		
LC _{eq}	81.2 dB	LC _{eq} - LA _{eq}	8.3 dB
LAI _{eq}	74.6 dB	LAI _{eq} - LA _{eq}	1.7 dB

Exceedances

	Count	Duration
LAS > 65.0 dB	17	0:13:04.4
LAS > 85.0 dB	1	0:00:02.4
LZ _{peak} > 135.0 dB	0	0:00:00.0
LZ _{peak} > 137.0 dB	0	0:00:00.0
LZ _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
72.9 dB	72.9 dB	0.0 dB
LDEN	LDay	LEve
72.9 dB	72.9 dB	--- dB
		LNight
		--- dB

Any Data

A	C	Z
Level	Time Stamp	Level
L _{eq}		Level
72.9 dB		Time Stamp
LS _(max)	2022-08-11 12:32:26	82.8 dB
88.8 dB	2022-08-11 12:27:09	95.2 dB
LF _(max)	2022-08-11 12:32:26	97.2 dB
91.7 dB	2022-08-11 12:20:29	98.8 dB
LI _(max)	2022-08-11 12:32:25	98.8 dB
92.5 dB	2022-08-11 12:27:09	98.8 dB
LS _(min)	2022-08-11 12:24:17	72.6 dB
58.5 dB	2022-08-11 12:24:16	72.6 dB
LF _(min)	2022-08-11 12:24:17	71.4 dB
57.6 dB	2022-08-11 12:24:15	71.4 dB
LI _(min)	2022-08-11 12:24:15	73.7 dB
58.7 dB	2022-08-11 12:24:14	73.7 dB
L _{Peak(max)}	2022-08-11 12:32:26	106.5 dB
102.2 dB	2022-08-11 12:20:29	106.5 dB

Overloads

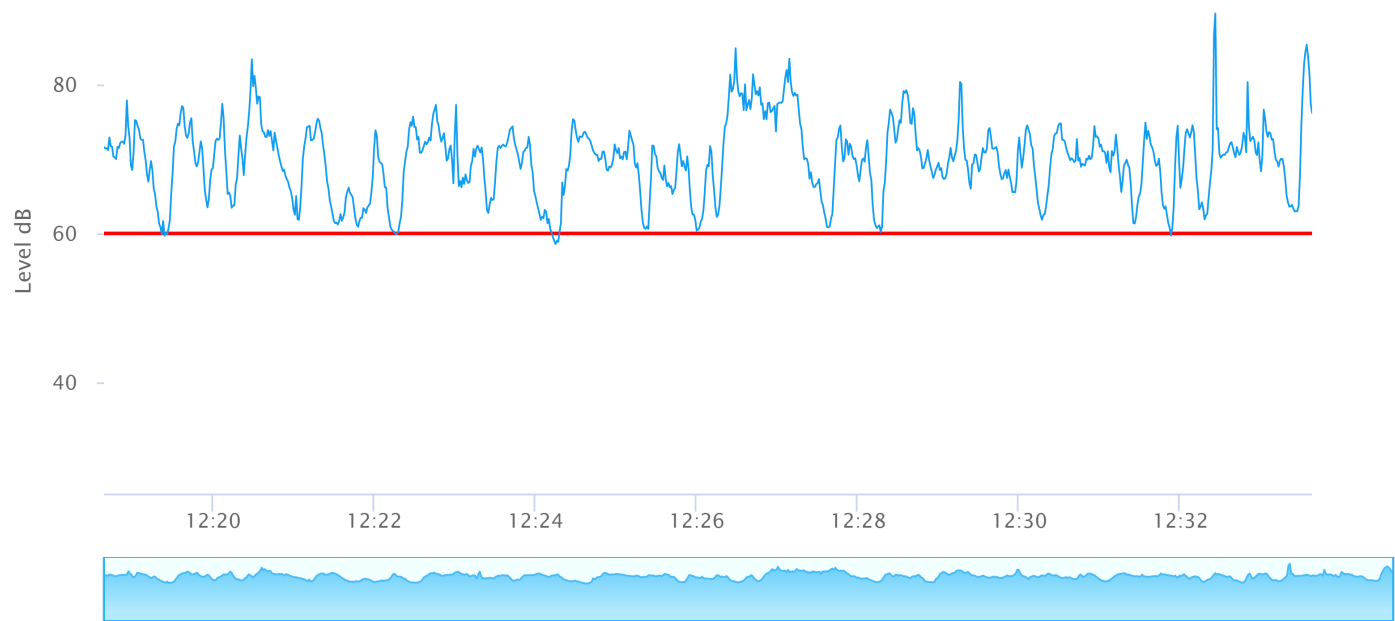
Count	Duration
0	0:00:00.0

Statistics

LAS 5.0	78.5 dB
LAS 10.0	76.1 dB
LAS 33.3	71.9 dB
LAS 50.0	70.4 dB
LAS 66.6	68.5 dB
LAS 90.0	62.9 dB



Time History



Measurement Report

Report Summary

Meter's File Name	831_Data.101.s	Computer's File Name	831C_10304-20220811 115116-831_Data.101.ldbin
Meter	831C 10304		
Firmware	04.5.1R0		
User	Rachel Mills-Coyne	Location	Location C: On the south side of Colgate Avenue, near the southern border of the Project Site
Job Description	400 San Vicente		
Note	Quiet residential street; some car traffic (cars, trucks, delivery trucks)		
Start Time	2022-08-11 11:51:16	Duration	0:15:00.0
End Time	2022-08-11 12:06:16	Run Time	0:15:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA _{eq}	55.5 dB		
LAE	85.0 dB	SEA	--- dB
EA	35.2 µPa²h	LAFTM5	60.8 dB
LZ _{peak}	95.6 dB	2022-08-11 12:01:14	
LAS _{max}	70.6 dB	2022-08-11 11:55:27	
LAS _{min}	47.6 dB	2022-08-11 12:03:32	
LA _{eq}	55.5 dB		
LC _{eq}	68.1 dB	LC _{eq} - LA _{eq}	12.7 dB
LAI _{eq}	58.2 dB	LAI _{eq} - LA _{eq}	2.7 dB

Exceedances

	Count	Duration
LAS > 65.0 dB	5	0:00:11.4
LAS > 85.0 dB	0	0:00:00.0
LZ _{peak} > 135.0 dB	0	0:00:00.0
LZ _{peak} > 137.0 dB	0	0:00:00.0
LZ _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
55.5 dB	55.5 dB	0.0 dB
LDEN	LDay	LEve
55.5 dB	55.5 dB	--- dB
		LNight
		--- dB

Any Data

A			C			Z		
	Level	Time Stamp		Level	Time Stamp		Level	Time Stamp
L _{eq}	55.5 dB			68.1 dB			74.6 dB	
LS _(max)	70.6 dB	2022-08-11 11:55:27		80.9 dB	2022-08-11 11:52:40		85.3 dB	2022-08-11 11:58:08
LF _(max)	73.0 dB	2022-08-11 11:55:27		84.0 dB	2022-08-11 11:52:39		90.3 dB	2022-08-11 11:58:08
LI _(max)	74.1 dB	2022-08-11 12:01:07		84.9 dB	2022-08-11 11:52:39		92.2 dB	2022-08-11 12:01:14
LS _(min)	47.6 dB	2022-08-11 12:03:32		61.9 dB	2022-08-11 12:02:11		65.2 dB	2022-08-11 12:02:11
LF _(min)	46.9 dB	2022-08-11 12:03:31		60.4 dB	2022-08-11 12:02:13		63.3 dB	2022-08-11 12:02:11
LI _(min)	47.2 dB	2022-08-11 12:03:31		63.2 dB	2022-08-11 12:02:10		67.3 dB	2022-08-11 12:04:11
L _{Peak(max)}	88.8 dB	2022-08-11 11:51:24		90.7 dB	2022-08-11 11:52:39		95.6 dB	2022-08-11 12:01:14

Overloads

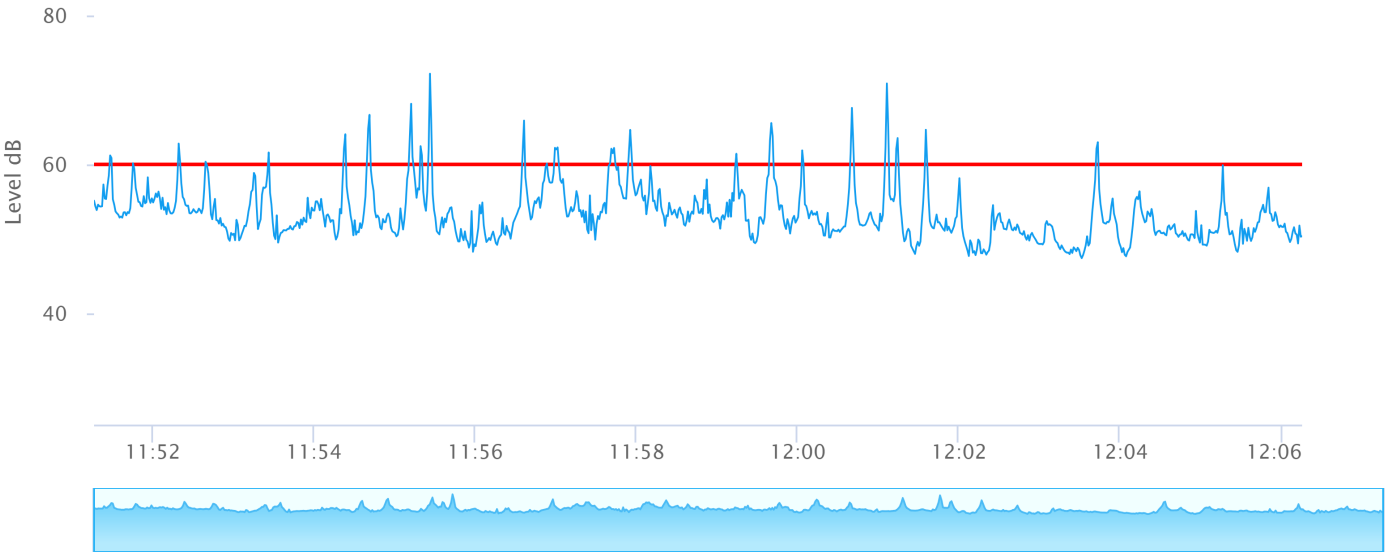
Count	Duration
0	0:00:00.0

Statistics

LAS 5.0	60.7 dB
LAS 10.0	58.3 dB
LAS 33.3	54.0 dB
LAS 50.0	52.8 dB
LAS 66.6	51.6 dB
LAS 90.0	49.9 dB



Time History



Construction Noise Calculation Worksheets

Report date: 7/7/23
Project: 400 South San Vicente
Phase: Demolition

RECEPTOR #1									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Single-family residential immediately east of the Project Site (8460 W. 4th Street)		Residential	61.3						
Equipment							Without 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)	
								*Lmax	Leq
Rubber Tired Dozers	No	40	85	82	20	80	0	77.9	73.9
Concrete/Industrial Saw	No	20	90	90	20	80	0	85.9	78.9
							Construction Noise Level (dBA Leq)		
							80.1		
							Noise Level Above Ambient		
							18.8		
							With Mitigation		
							Estimated Shielding (dBA)	Calculated (dBA)	
								*Lmax	Leq
							15	62.9	58.9
							15	70.9	63.9
							Results		
							65.1		
							Noise Level Above Ambient		
							3.8		

RECEPTOR #2									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Multi-family residential north of the Project Site, across W. 4th Street		Residential	61.3						
Equipment							Without 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)	
								*Lmax	Leq
Rubber Tired Dozers	No	40	85	82	55	180	0	70.9	66.9
Concrete/Industrial Saw	No	20	90	90	55	180	0	78.9	71.9
							Construction Noise Level (dBA Leq)		
							73.1		
							Noise Level Above Ambient		
							11.8		
							With Mitigation		
							Estimated Shielding (dBA)	Calculated (dBA)	
								*Lmax	Leq
							15	55.9	51.9
							15	63.9	56.9
							Results		
							58.1		
							Noise Level Above Ambient		
							-3.2		

RECEPTOR #3									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Multi-family residential west of the Project Site, across La Cienega Boulevard / San Vicente Boulevard / Burton Way (8500 Burton Way)		Residential	72.9						
Equipment							Without 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)	
								*Lmax	Leq
Rubber Tired Dozers	No	40	85	82	160	215	0	69.3	65.4
Concrete/Industrial Saw	No	20	90	90	160	215	0	77.3	70.3
							Construction Noise Level (dBA Leq)		
							71.5		
							Noise Level Above Ambient		
							-1.4		
							With Mitigation		
							Estimated Shielding (dBA)	Calculated (dBA)	
								*Lmax	Leq
							15	54.3	50.4
							15	62.3	55.3
							Results		
							56.5		
							Noise Level Above Ambient		
							-16.4		

RECEPTOR #4									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
SLS Hotel at Beverly Hills (435 S. San Vicente Boulevard)		Hotel	72.9						
Equipment							Without 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)	
								*Lmax	Leq
Rubber Tired Dozers	No	40	85	82	190	240	0	68.4	64.4
Concrete/Industrial Saw	No	20	90	90	190	240	0	76.4	69.4
							Construction Noise Level (dBA Leq)		
							70.6		
							Noise Level Above Ambient		
							-2.3		
							With Mitigation		
							Estimated Shielding (dBA)	Calculated (dBA)	
								*Lmax	Leq
							15	53.4	49.4
							15	61.4	54.4
							Results		
							55.6		
							Noise Level Above Ambient		
							-17.3		

RECEPTOR #5									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Single-family residential southeast of the Project Site, fronting Colgate Avenue and Drexel Avenue		Residential	61.3						
Equipment							Without 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)	
								*Lmax	Leq
Rubber Tired Dozers	No	40	85	82	120	240	10	58.4	54.4
Concrete/Industrial Saw	No	20	90	90	120	240	10	66.4	59.4
							Construction Noise Level (dBA Leq)		
							60.6		
							Noise Level Above Ambient		
							-0.7		
							With Mitigation		
							Estimated Shielding (dBA)	Calculated (dBA)	
								*Lmax	Leq
							15	43.4	39.4
							15	51.4	44.4
							Results		
							45.6		
							Noise Level Above Ambient		
							-15.7		

Construction Noise Calculation Worksheets

RECEPTOR #6												
		Ambient/Baseline (dBA)										
Description	Land Use	Daytime										
Multi- and single-family residential east of the Project Site fronting W. 4th Street	Residential	61.3										
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)	
								*Lmax	Leq		*Lmax	Leq
Rubber Tired Dozers	No	40	85	82	20	100	10	66.0	62.0	15	51.0	47.0
Concrete/Industrial Saw	No	20	90	90	20	100	10	74.0	67.0	15	59.0	52.0
							Construction Noise Level (dBA Leq)		68.2	Results		53.2
							Noise Level Above Ambient		6.9	Noise Level Above Ambient		-8.1

RECEPTOR #7													
Description	Ambient/Baseline (dBA)												
	Land Use	Daytime											
Multi-family residential northeast of the Project Site fronting W. 4th Street	Residential	61.3											
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)		
								*Lmax	Leq		*Lmax	Leq	
							Rubber Tired Dozers	No	40	85	82	75	200
Concrete/Industrial Saw	No	20	90	90	75	200	0	78.0	71.0	15	63.0	56.0	
							Construction Noise Level (dBA Leq)		72.2	Results			57.2
							Noise Level Above Ambient		10.9	Noise Level Above Ambient			-4.1

RECEPTOR #8												
	Ambient/Baseline (dBA)											
Description	Land Use	Daytime										
Multi- and single-family residential northeast of the Project Site fronting Blackburn Avenue	Residential	61.3										
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	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Rubber Tired Dozers	No	40	85	82	420	540	10	51.3	47.4	15	36.3	32.4
Concrete/Industrial Saw	No	20	90	90	420	540	10	59.3	52.3	15	44.3	37.3
							Construction Noise Level (dBA Leq)			Results		
							Noise Level Above Ambient			Noise Level Above Ambient		
							-7.8			-22.8		

RECEPTOR #9															
	Ambient/Baseline (dBA)														
Description	Land Use	Daytime													
Multi-family residential west of the Project Site fronting Le Doux Road	Residential	72.9													
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		Calculated (dBA)		Estimated Shielding		Calculated (dBA)		
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq			
							10	52.2	48.2	15	37.2	33.2			
							10	60.2	53.2	15	45.2	38.2			
Rubber Tired Dozers	No	40	85	82	390	490									
Concrete/Industrial Saw	No	20	90	90	390	490									
							Construction Noise Level (dBA Leq)		54.4	Results					39.4
							Noise Level Above Ambient		-18.5	Noise Level Above Ambient					-33.5

Notes:

1. Daytime noise levels are based on actual noise measurements taken at the Project Site vicinity.
2. An attenuation factor was applied for sensitive receptors where buildings separate the Project Site and the associated sensitive receptor.
3. 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 Calculation Worksheets

Report date: 7/7/23
 Project: 400 South San Vicente
 Phase: Grading/Excavation

RECEPTOR #1									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Single-family residential immediately east of the Project Site (8460 W. 4th Street)		Residential	61.3						
Equipment							Without Attenuation		
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)	
								*Lmax	Leq
Grader	No	40	85	85	20	80	0	80.9	76.9
Tractors/Loaders/Backhoes	No	40	80	78	20	80	0	73.9	69.9
							Construction Noise Level (dBA Leq)		
							77.7		
							Noise Level Above Ambient		
							16.4		
							Results		
							62.7		
							Noise Level Above Ambient		
							1.4		

RECEPTOR #2									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Multi-family residential north of the Project Site, across W. 4th Street		Residential	61.3						
Equipment							Without Attenuation		
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)	
								*Lmax	Leq
Grader	No	40	85	85	55	180	0	73.9	69.9
Tractors/Loaders/Backhoes	No	40	80	78	55	180	0	66.9	62.9
							Construction Noise Level (dBA Leq)		
							70.7		
							Noise Level Above Ambient		
							9.4		
							Results		
							55.7		
							Noise Level Above Ambient		
							-5.6		

RECEPTOR #3									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Multi-family residential west of the Project Site, across La Cienega Boulevard / San Vicente Boulevard / Burton Way (8500 Burton Way)		Residential	72.9						
Equipment							Without 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)	
								*Lmax	Leq
Grader	No	40	85	85	160	215	0	72.3	68.4
Tractors/Loaders/Backhoes	No	40	80	78	160	215	0	65.3	61.4
							Construction Noise Level (dBA Leq)		
							69.1		
							Noise Level Above Ambient		
							-3.8		
							Results		
							54.1		
							Noise Level Above Ambient		
							-18.8		

RECEPTOR #4									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
SLS Hotel at Beverly Hills (435 S. San Vicente Boulevard)		Hotel	72.9						
Equipment							Without 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)	
								*Lmax	Leq
Grader	No	40	85	85	190	240	0	71.4	67.4
Tractors/Loaders/Backhoes	No	40	80	78	190	240	0	64.4	60.4
							Construction Noise Level (dBA Leq)		
							68.2		
							Noise Level Above Ambient		
							-4.7		
							Results		
							53.2		
							Noise Level Above Ambient		
							-19.7		

RECEPTOR #5									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Single-family residential southeast of the Project Site, fronting Colgate Avenue and Drexel Avenue		Residential	61.3						
Equipment							Without 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)	
								*Lmax	Leq
Grader	No	40	85	85	120	240	10	61.4	57.4
Tractors/Loaders/Backhoes	No	40	80	78	120	240	10	54.4	50.4
							Construction Noise Level (dBA Leq)		
							58.2		
							Noise Level Above Ambient		
							-3.1		
							Results		
							43.2		
							Noise Level Above Ambient		
							-18.1		

Construction Noise Calculation Worksheets

RECEPTOR #6														
		Ambient/Baseline (dBA)												
Description	Land Use	Daytime												
Multi- and single-family residential east of the Project Site fronting W. 4th Street														
	Residential	61.3												
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)		
								*Lmax	Leq			*Lmax	Leq	
Grader	No	40	85	85	20	100	10	69.0	65.0		15	54.0	50.0	
Tractors/Loaders/Backhoes	No	40	80	78	20	100	10	62.0	58.0		15	47.0	43.0	
							Construction Noise Level (dBA Leq)			65.8	Results			50.8
							Noise Level Above Ambient			4.5	Noise Level Above Ambient			-10.5

RECEPTOR #7																			
	Ambient/Baseline (dBA)																		
Description	Land Use	Daytime																	
Multi-family residential northeast of the Project Site fronting W. 4th Street	Residential	61.3																	
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)								
								*Lmax	Leq		*Lmax	Leq							
							Grader	No	40	85	85	75	200	0	73.0	69.0	15	58.0	54.0
							Tractors/Loaders/Backhoes	No	40	80	78	75	200	0	66.0	62.0	15	51.0	47.0
							Construction Noise Level (dBA Leq)		69.8	Results		54.8							
							Noise Level Above Ambient		8.5	Noise Level Above Ambient		-6.5							

RECEPTOR #8													
		Ambient/Baseline (dBA)											
Description	Land Use	Daytime											
Multi- and single-family residential northeast of the Project Site fronting Blackburn Avenue	Residential	61.3											
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)		
								*Lmax	Leq		*Lmax	Leq	
Grader	No	40	85	85	420	540	10	54.3	50.4	15	39.3	35.4	
Tractors/Loaders/Backhoes	No	40	80	78	420	540	10	47.3	43.4	15	32.3	28.4	
							Construction Noise Level (dBA Leq)			51.1	Results		36.1
							Noise Level Above Ambient			-10.2	Noise Level Above Ambient		-25.2

RECEPTOR #9																			
	Ambient/Baseline (dBA)																		
Description	Land Use	Daytime																	
Multi-family residential west of the Project Site fronting Le Doux Road	Residential	72.9																	
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)								
								*Lmax	Leq		*Lmax	Leq							
							Grader	No	40	85	85	390	490	10	55.2	51.2	15	40.2	36.2
							Tractors/Loaders/Backhoes	No	40	80	78	390	490	10	48.2	44.2	15	33.2	29.2
							Construction Noise Level (dBA Leq)			52.0	Results		37.0						
							Noise Level Above Ambient			-20.9	Noise Level Above Ambient		-35.9						

Notes:

1. Daytime noise levels are based on actual noise measurements taken at the Project Site vicinity.
2. An attenuation factor was applied for sensitive receptors where buildings separate the Project Site and the associated sensitive receptor.
3. 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 Calculation Worksheets

Report date: 7/7/23
Project: 400 South San Vicente
Phase: Building Construction

RECEPTOR #1						
	Ambient/Baseline (dBA)					
Description	Land Use	Daytime				
immediately east of the Project Site (8460 W. 4th Street)	Residential	61.3				
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)
Mixer Truck	No	20	85	79	20	80
Generator	No	50	82	81	20	80
Without Mitigation						
Estimated Shielding		Calculated (dBA)				
(dBA)		*Lmax	Leq			
0		74.9	67.9			
0		76.9	73.9			
With Mitigation						
Estimated Shielding		Calculated (dBA)				
(dBA)		*Lmax	Leq			
15		59.9	52.9			
15		61.9	58.9			
					Construction Noise Level (dBA Leq)	74.9
					Noise Level Above Ambient	13.6
					Results	59.9
					Noise Level Above Ambient	-1.4

RECEPTOR #2													
	Ambient/Baseline (dBA)												
Description	Land Use	Daytime											
Multi-family residential north of the Project Site, across W. 4th Street	Residential	61.3											
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)		
								*Lmax	Leq		*Lmax	Leq	
							Mixer Truck	No	20	85	79	55	180
Generator	No	50	82	81	55	180	0	69.9	66.9	15	54.9	51.9	
							Construction Noise Level (dBA Leq)		67.8	Results			52.8
							Noise Level Above Ambient		6.5	Noise Level Above Ambient			-8.5

RECEPTOR #3											
	Ambient/Baseline (dBA)										
Description	Land Use	Daytime									
Multi-family residential west of the Project Site, across La Cienega Boulevard / San Vicente Boulevard / Burton Way (8500 Burton Way)	Residential	72.9									
Equipment											
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project	Receptor Distance to Centerline of					
Mixer Truck	No	20	85	79	160	215					
Generator	No	50	82	81	160	215					
						Construction Noise Level (dBA Leq)	66.3	Results			51.3
						Noise Level Above Ambient	-6.6	Noise Level Above Ambient			-21.6

RECEPTOR #4												
		Ambient/Baseline (dBA)										
Description	Land Use	Daytime										
SLS Hotel at Beverly Hills (435 S. San Vicente Boulevard)	Hotel	72.9										
Equipment							Without Mitigation			With Mitigation		
Description	Impact Device	Usage(%)	Spec. Max (dBA)	Actual Max (dBA)	Receptor Distance to Project	Receptor Distance to Centerline of	Estimated Shielding	Calculated (dBA)		Estimated Shielding	Calculated (dBA)	
							(dBA)	*Lmax	Leq	(dBA)	*Lmax	Leq
Mixer Truck	No	20	85	79	190	240	0	65.4	58.4	15	50.4	43.4
Generator	No	50	82	81	190	240	0	67.4	64.4	15	52.4	49.4
							Construction Noise Level (dBA Leq)			Results		
							Noise Level Above Ambient			Noise Level Above Ambient		
							65.3			50.3		
							-7.6			-22.6		

RECEPTOR #5													
		Ambient/Baseline (dBA)											
Description	Land Use		Daytime										
Single-family residential southeast of the Project Site, fronting Colgate Avenue and Drexel Avenue	Residential		61.3										
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)		
								*Lmax	Leq		*Lmax	Leq	
Mixer Truck	No	20	85	79	120	240	10	55.4	48.4	15	40.4	33.4	
Generator	No	50	82	81	120	240	10	57.4	54.4	15	42.4	39.4	
							Construction Noise Level (dBA Leq)		55.3	Results			40.3
							Noise Level Above Ambient		-6.0	Noise Level Above Ambient			-21.0

Construction Noise Calculation Worksheets

RECEPTOR #6						
		Ambient/Baseline (dBA)				
Description	Land Use	Daytime				
Multi- and single-family residential east of the Project Site fronting W. 4th Street	Residential	61.3				
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)
Mixer Truck	No	20	85	79	20	100
Generator	No	50	82	81	20	100
Without Mitigation						
Estimated Shielding		Calculated (dBA)				
(dBA)		*Lmax	Leq			
10		63.0	56.0			
10		65.0	62.0			
With Mitigation						
Estimated Shielding		Calculated (dBA)				
(dBA)		*Lmax	Leq			
15		48.0	41.0			
15		50.0	47.0			
					Construction Noise Level (dBA Leq)	62.9
					Noise Level Above Ambient	1.6
					Results	47.9
					Noise Level Above Ambient	-13.4

RECEPTOR #7												
		Ambient/Baseline (dBA)										
Description	Land Use	Daytime										
Multi-family residential northeast of the Project Site fronting W. 4th Street	Residential	61.3										
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)	
								*Lmax	Leq		*Lmax	Leq
Mixer Truck	No	20	85	79	75	200	0	67.0	60.0	15	52.0	45.0
Generator	No	50	82	81	75	200	0	69.0	65.9	15	54.0	50.9
							Construction Noise Level (dBA Leq)		66.9	Results		51.9
							Noise Level Above Ambient		5.6	Noise Level Above Ambient		-9.4

RECEPTOR #8															
		Ambient/Baseline (dBA)													
Description	Land Use	Daytime													
Multi- and single-family residential northeast of the Project Site fronting Blackburn Avenue	Residential	61.3													
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)			
								*Lmax	Leq			*Lmax	Leq		
Mixer Truck	No	20	85	79	420	540	10	48.3	41.3		15	33.3	26.3		
Generator	No	50	82	81	420	540	10	50.3	47.3		15	35.3	32.3		
							Construction Noise Level (dBA Leq)			48.3	Results			33.3	
							Noise Level Above Ambient			-13.0	Noise Level Above Ambient			-28.0	

RECEPTOR #9													
		Ambient/Baseline (dBA)											
Description	Land Use	Daytime											
Multi-family residential west of the Project Site fronting Le Doux Road	Residential	72.9											
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 (dBA)	*Lmax	Leq	Estimated Shielding (dBA)	*Lmax	Leq	
Mixer Truck	No	20	85	79	390	490	10	49.2	42.2	15	34.2	27.2	
Generator	No	50	82	81	390	490	10	51.2	48.2	15	36.2	33.2	
						Construction Noise Level (dBA Leq)			49.1	Results			34.1
						Noise Level Above Ambient			-23.8	Noise Level Above Ambient			-38.8

Notes:

- Daytime noise levels are based on actual noise measurements taken at the Project Site vicinity.
- An attenuation factor 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 Calculation Worksheets

Report date: 7/7/23
Project: 400 South San Vicente
Phase: Architectural Coating

RECEPTOR #1									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Single-family residential immediately east of the Project Site (8460 W. 4th Street)		Residential	61.3						
Equipment							Without 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)	
								*Lmax	Leq
Air Compressor	No	40	80	78	20	80	0	73.9	69.9
Air Compressor	No	40	80	78	20	80	0	73.9	69.9
							Construction Noise Level (dBA Leq)		72.9
							Noise Level Above Ambient		11.6
							Results		57.9
							Noise Level Above Ambient		-3.4

RECEPTOR #2									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Multi-family residential north of the Project Site, across W. 4th Street		Residential	61.3						
Equipment							Without 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)	
								*Lmax	Leq
Air Compressor	No	40	80	78	55	180	0	66.9	62.9
Air Compressor	No	40	80	78	55	180	0	66.9	62.9
							Construction Noise Level (dBA Leq)		65.9
							Noise Level Above Ambient		4.6
							Results		50.9
							Noise Level Above Ambient		-10.4

RECEPTOR #3									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
Project Site, across La Cienega Boulevard / San Vicente Boulevard / Burton Way		Residential	72.9						
Equipment							Without 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)	
								*Lmax	Leq
Air Compressor	No	40	80	78	160	215	0	65.3	61.4
Air Compressor	No	40	80	78	160	215	0	65.3	61.4
							Construction Noise Level (dBA Leq)		64.4
							Noise Level Above Ambient		-8.5
							Results		49.4
							Noise Level Above Ambient		-23.5

RECEPTOR #4									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
SLS Hotel at Beverly Hills (435 S. San Vicente Boulevard)		Hotel	72.9						
Equipment							Without 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)	
								*Lmax	Leq
Air Compressor	No	40	80	78	190	240	0	64.4	60.4
Air Compressor	No	40	80	78	190	240	0	64.4	60.4
							Construction Noise Level (dBA Leq)		63.4
							Noise Level Above Ambient		-9.5
							Results		48.4
							Noise Level Above Ambient		-24.5

RECEPTOR #5									
Description		Ambient/Baseline (dBA)							
		Land Use	Daytime						
of the Project Site, fronting Colgate Avenue and Drexel Avenue		Residential	61.3						
Equipment							Without 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)	
								*Lmax	Leq
Air Compressor	No	40	80	78	120	240	10	54.4	50.4
Air Compressor	No	40	80	78	120	240	10	54.4	50.4
							Construction Noise Level (dBA Leq)		53.4
							Noise Level Above Ambient		-7.9
							Results		38.4
							Noise Level Above Ambient		-22.9

Construction Noise Calculation Worksheets

RECEPTOR #6												
	Ambient/Baseline (dBA)											
Description	Land Use	Daytime										
Multi- and single-family residential east of the Project Site fronting W. 4th Street	Residential	61.3										
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)	
								*Lmax	Leq		*Lmax	Leq
Air Compressor	No	40	80	78	20	100	10	62.0	58.0	15	47.0	43.0
Air Compressor	No	40	80	78	20	100	10	62.0	58.0	15	47.0	43.0
							Construction Noise Level (dBA Leq)		61.0	Results		46.0
							Noise Level Above Ambient		-0.3	Noise Level Above Ambient		-15.3

RECEPTOR #7												
		Ambient/Baseline (dBA)										
Description	Land Use	Daytime										
Multi-family residential northeast of the Project Site fronting W. 4th Street	Residential	61.3										
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)	
								*Lmax	Leq		*Lmax	Leq
Air Compressor	No	40	80	78	75	200	0	66.0	62.0	15	51.0	47.0
Air Compressor	No	40	80	78	75	200	0	66.0	62.0	15	51.0	47.0
							Construction Noise Level (dBA Leq)		65.0	Results		50.0
							Noise Level Above Ambient		3.7	Noise Level Above Ambient		-11.3

RECEPTOR #8												
	Ambient/Baseline (dBA)											
Description	Land Use	Daytime										
Multi- and single-family residential northeast of the Project Site fronting Blackburn Avenue	Residential	61.3										
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)	
								*Lmax	Leq		*Lmax	Leq
Air Compressor	No	40	80	78	420	540	10	47.3	43.4	15	32.3	28.4
Air Compressor	No	40	80	78	420	540	10	47.3	43.4	15	32.3	28.4
							Construction Noise Level (dBA Leq)		46.4	Results		31.4
							Noise Level Above Ambient		-14.9	Noise Level Above Ambient		-29.9

RECEPTOR #9												
	Ambient/Baseline (dBA)											
Description	Land Use		Daytime									
Multi-family residential west of the Project Site fronting Le Doux Road	Residential		72.9									
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)	
								*Lmax	Leq		*Lmax	Leq
Air Compressor	No	40	80	78	390	490	10	50.2	46.2	15	33.2	29.2
Air Compressor	No	40	80	78	390	490	10	50.2	46.2	15	33.2	29.2
							Construction Noise Level (dBA Leq)		49.2	Results		32.2
							Noise Level Above Ambient		-23.7	Noise Level Above Ambient		-40.7

Notes:

1. Daytime noise levels are based on actual noise measurements taken at the Project Site vicinity.
2. An attenuation factor was applied for sensitive receptors where buildings separate the Project Site and the associated sensitive receptor.
3. 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 Measures

<u>Location</u>	<u>Ambient Noise (dBA Leq)</u>	<u>Noise Level Impact (dBA Leq) by Phase</u>				<u>Construction Noise Threshold (dBA Leq)**</u>	<u>Noise Impact Above Threshold</u>
		<u>Demolition</u>	<u>Grading</u>	<u>Excavation</u>	<u>Building</u>	<u>Architectural</u>	
1) Single-family residential immediately east of the Project Site (8460 W. 4th Street)	61.3	80.1	77.7	74.9	72.9	66.3	13.8
2) Multi-family residential north of the Project Site, across W. 4th Street	61.3	73.1	70.7	67.8	65.9	66.3	6.8
Multi-family residential west of the Project Site, across La Cienega Boulevard / San Vicente							
3) Boulevard / Burton Way	72.9	71.5	69.1	66.3	64.4	77.9	0.0
4) SLS Hotel at Beverly Hills(435 S. San Vicente Boulevard)	72.9	70.6	68.2	65.3	63.4	77.9	0.0
5) Single-family residential southeast of the Project Site, fronting Colgate Avenue and Drexel Avenue	61.3	60.6	58.2	55.3	53.4	66.3	0.0
6) Multi- and single-family residential east of the Project Site fronting W. 4th Street	61.3	68.2	65.8	62.9	61.0	66.3	1.9
7) Multi-family residential northeast of the Project Site fronting W. 4th Street	61.3	72.2	69.8	66.9	65.0	66.3	5.9
8) Multi- and single-family residential northeast of the Project Site fronting Blackburn Avenue	61.3	53.5	51.1	48.3	46.4	66.3	0.0
9) Multi-family residential west of the Project Site fronting Le Doux Road	72.9	54.4	52.0	49.1	49.2	77.9	0.0

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

Construction Noise Impact Summary With Mitigation Measures

<u>Location</u>	<u>Ambient Noise (dBA Leq)</u>	<u>Noise Level Impact (dBA Leq) by Phase</u>				<u>Construction Noise Threshold (dBA Leq)**</u>	<u>Noise Impact Above Threshold</u>
		<u>Demolition</u>	<u>Grading</u>	<u>Excavation</u>	<u>Building</u>	<u>Architectural</u>	
1) Single-family residential immediately east of the Project Site (8460 W. 4th Street)	61.3	65.1	62.7	59.9	57.9	66.3	0.0
2) Multi-family residential north of the Project Site, across W. 4th Street	61.3	58.1	55.7	52.8	50.9	66.3	0.0
Multi-family residential west of the Project Site, across La Cienega Boulevard / San Vicente							
3) Boulevard / Burton Way	72.9	56.5	54.1	51.3	49.4	77.9	0.0
4) SLS Hotel at Beverly Hills(435 S. San Vicente Boulevard)	72.9	55.6	53.2	50.3	48.4	77.9	0.0
5) Single-family residential southeast of the Project Site, fronting Colgate Avenue and Drexel Avenue	61.3	45.6	43.2	40.3	38.4	66.3	0.0
6) Multi- and single-family residential east of the Project Site fronting W. 4th Street	61.3	53.2	50.8	47.9	46.0	66.3	0.0
7) Multi-family residential northeast of the Project Site fronting W. 4th Street	61.3	57.2	54.8	51.9	50.0	66.3	0.0
8) Multi- and single-family residential northeast of the Project Site fronting Blackburn Avenue	61.3	38.5	36.1	33.3	31.4	66.3	0.0
9) Multi-family residential west of the Project Site fronting Le Doux Road	72.9	39.4	37.0	34.1	32.2	77.9	0.0

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

Construction Vibration Calculation Worksheets

Project: 400 S. San Vicente
Date: 7-21-2023

Sensitive Receptor	Construction Equipment	Distance to Construction Equipment (feet)	PPV at 25 Feet (Inches/Second)	Maximum Vibration Levels during Construction
1. Medical office building immediately bordering Project Site to southeast	Large bulldozer	3	0.089	0.92
	Caisson drilling	3	0.089	0.92
	Loaded trucks	3	0.076	0.78
2. Single-family homes to the east, across the alleyway	Large bulldozer	20	0.089	0.11
	Caisson drilling	20	0.089	0.11
	Loaded trucks	20	0.076	0.10

Source: California Department of Transportation, Transportation and Construction Vibration Guidance Manual, Sept 2020.

*It should be noted that the peak vibration levels at the nearby sensitive receptors during project construction represents the highest composite vibration level that would be generated periodically during a worst-case construction activity and does not represent continuous vibration levels occurring throughout the construction day or period.



School Day: Yes I/S CODE

	<u>N/B</u>	<u>S/B</u>	<u>E/B</u>	<u>W/B</u>
DUAL- WHEELED	132	132	164	209
BIKES	14	29	32	47
BUSES	80	46	34	21

	<u>N/B</u>	<u>TIME</u>	<u>S/B</u>	<u>TIME</u>	<u>E/B</u>	<u>TIME</u>	<u>W/B</u>	<u>TIME</u>
AM PK 15 MIN	243	9.00	429	8.15	325	9.15	617	9.00
PM PK 15 MIN	370	17.00	369	16.15	673	17.15	402	15.00
AM PK HOUR	906	9.00	1566	7.30	1157	8.45	2229	8.15
PM PK HOUR	1386	17.00	1320	15.30	2308	17.00	1470	15.00

NORTHBOUND Approach					SOUTHBOUND Approach					TOTAL		XING S/L		XING N/L	
Hours	Lt	Th	Rt	Total	Hours	Lt	Th	Rt	Total	N-S	Ped	Sch	Ped	Sch	
7-8	129	544	8	681	7-8	0	1182	190	1372	2053	6	1	13	2	
8-9	121	724	9	854	8-9	0	1311	251	1562	2416	5	0	28	0	
9-10	147	751	8	906	9-10	0	1202	208	1410	2316	7	0	22	0	
15-16	143	991	21	1155	15-16	0	1129	122	1251	2406	18	0	31	0	
16-17	148	1067	22	1237	16-17	0	1147	108	1255	2492	23	1	34	2	
17-18	180	1182	24	1386	17-18	0	1204	113	1317	2703	22	1	27	0	
TOTAL	868	5259	92	6219	TOTAL	0	7175	992	8167	14386	81	3	155	4	

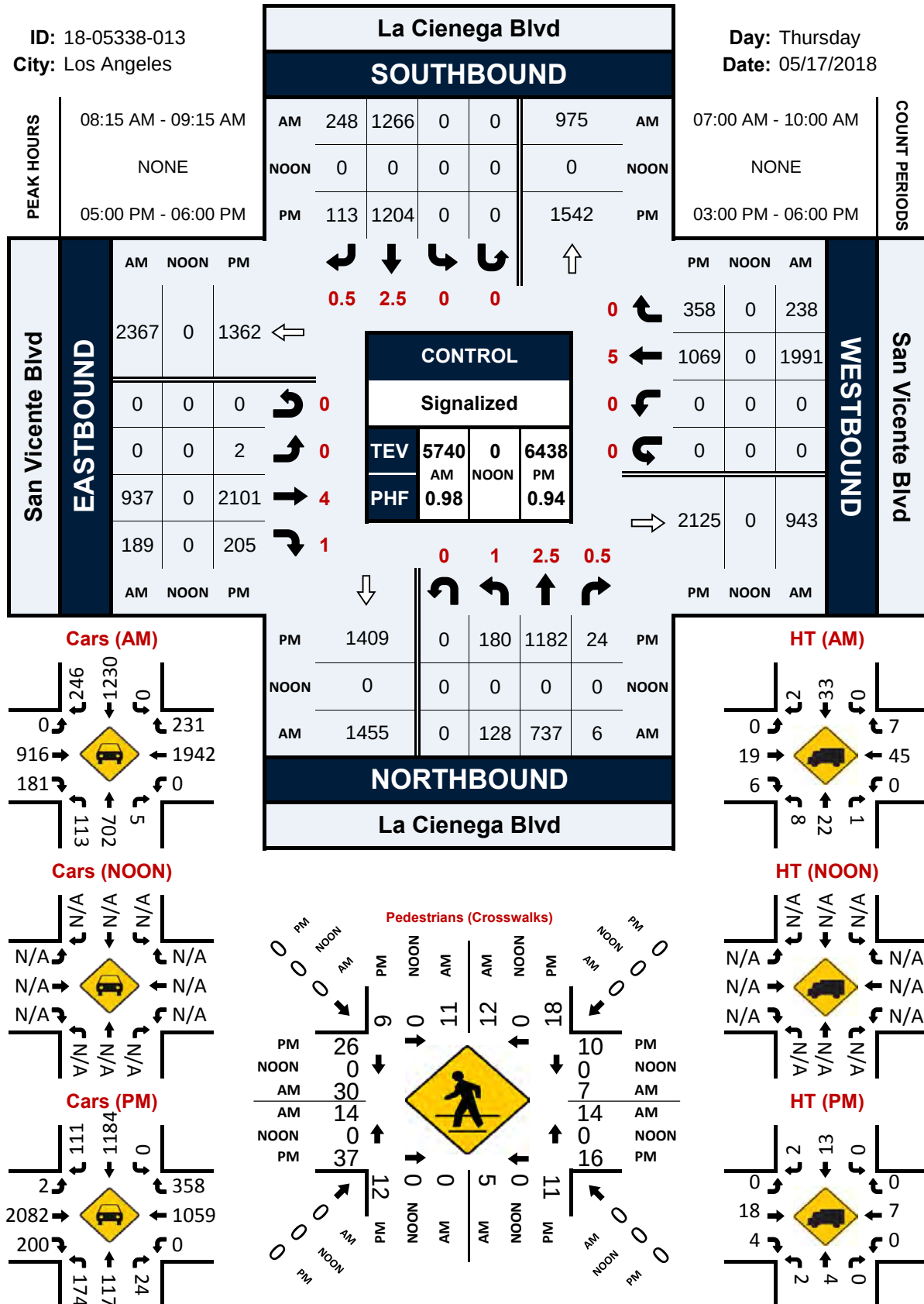
EASTBOUND Approach					WESTBOUND Approach					TOTAL	XING W/L			XING E/L		
Hours	Lt	Th	Rt	Total	Hours	Lt	Th	Rt	Total	E-W	Ped	Sch	Ped	Sch		
7-8	0	513	138	651	7-8	0	1545	228	1773	2424	49	2	4	1		
8-9	0	896	173	1069	8-9	0	1927	247	2174	3243	50	0	17	0		
9-10	0	946	189	1135	9-10	0	1744	307	2051	3186	45	1	16	1		
15-16	1	1739	223	1963	15-16	0	1063	407	1470	3433	70	0	26	3		
16-17	5	1976	194	2175	16-17	0	930	360	1290	3465	74	1	36	0		
17-18	2	2101	205	2308	17-18	0	1069	358	1427	3735	60	3	25	1		
TOTAL	8	8171	1122	9301	TOTAL	0	8278	1907	10185	19486	348	7	124	6		

La Cienega Blvd & San Vicente Blvd

Peak Hour Turning Movement Count

ID: 18-05338-013
City: Los Angeles

Day: Thursday
Date: 05/17/2018



National Data & Surveying Services

Intersection Turning Movement Count

Location: La Cienega Blvd & San Vicente Blvd
City: Los Angeles
Control: Signalized

Project ID: 18-05338-013
Date: 5/17/2018

Total

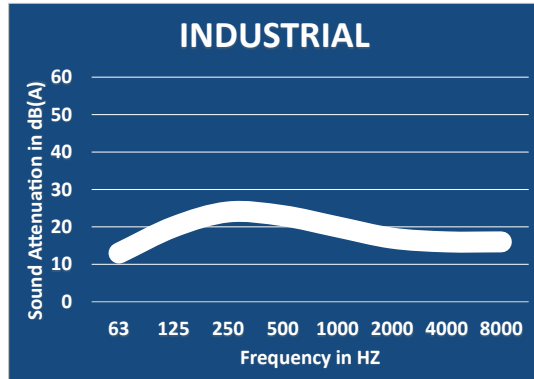
NS/EW Streets:	La Cienega Blvd				La Cienega Blvd				San Vicente Blvd				San Vicente Blvd					
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	1 NL	2.5 NT	0.5 NR	0 NU	0 SL	2.5 ST	0.5 SR	0 SU	0 EL	4 ET	1 ER	0 EU	0 WL	5 WT	0 WR	0 WU		
7:00 AM	38	116	1	0	0	273	22	0	0	85	32	0	0	361	42	0	970	
7:15 AM	35	109	3	0	0	282	47	0	0	101	25	0	0	307	38	0	947	
7:30 AM	31	151	2	0	0	283	64	0	0	122	39	0	0	446	57	0	1195	
7:45 AM	25	168	2	0	0	344	57	0	0	205	42	0	0	431	91	0	1365	
8:00 AM	28	194	4	0	0	332	57	0	0	177	31	0	0	484	78	0	1385	
8:15 AM	37	156	3	0	0	367	62	0	0	250	50	0	0	457	61	0	1443	
8:30 AM	31	199	0	0	0	275	56	0	0	204	41	0	0	528	56	0	1390	
8:45 AM	25	175	2	0	0	337	76	0	0	265	51	0	0	458	52	0	1441	
9:00 AM	35	207	1	0	0	287	54	0	0	218	47	0	0	548	69	0	1466	
9:15 AM	31	179	1	0	0	329	56	0	0	282	43	0	0	422	87	0	1430	
9:30 AM	43	176	2	0	0	280	47	0	0	209	42	0	0	425	74	0	1298	
9:45 AM	38	189	4	0	0	306	51	0	0	237	57	0	0	349	77	0	1308	
TOTAL VOLUMES :	NL 397	NT 2019	NR 25	NU 0	SL 0	ST 3695	SR 649	SU 0	EL 0	ET 2355	ER 500	EU 0	WL 0	WT 5216	WR 782	WU 0	TOTAL 15638	
APPROACH %'s :	16.26%	82.71%	1.02%	0.00%	0.00%	85.06%	14.94%	0.00%	0.00%	82.49%	17.51%	0.00%	0.00%	86.96%	13.04%	0.00%		
PEAK HR :	08:15 AM - 09:15 AM																	TOTAL
PEAK HR VOL :	128	737	6	0	0	1266	248	0	0	937	189	0	0	1991	238	0	5740	
PEAK HR FACTOR :	0.865	0.890	0.500	0.000	0.000	0.862	0.816	0.000	0.000	0.884	0.926	0.000	0.000	0.908	0.862	0.000	0.979	
	0.896				0.882				0.891				0.903					

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL	
	1 NL	2.5 NT	0.5 NR	0 NU	0 SL	2.5 ST	0.5 SR	0 SU	0 EL	4 ET	1 ER	0 EU	0 WL	5 WT	0 WR	0 WU		
3:00 PM	32	276	8	0	0	294	19	0	0	387	72	0	0	303	99	0	1490	
3:15 PM	35	217	3	0	0	258	30	0	1	460	58	0	0	228	112	0	1402	
3:30 PM	37	263	6	0	0	285	36	0	0	403	50	0	0	265	100	0	1445	
3:45 PM	39	235	4	0	0	292	37	0	0	489	43	0	0	267	96	0	1502	
4:00 PM	39	291	4	0	0	267	34	0	0	432	50	0	0	242	81	0	1440	
4:15 PM	32	252	7	0	0	343	26	0	1	525	52	0	0	202	98	0	1538	
4:30 PM	43	283	5	0	0	259	21	0	0	475	52	0	0	237	93	0	1468	
4:45 PM	34	241	6	0	0	278	27	0	4	544	40	0	0	249	88	0	1511	
5:00 PM	45	320	5	0	0	287	32	0	0	459	47	0	0	242	76	0	1513	
5:15 PM	46	287	4	0	0	316	24	0	1	619	53	0	0	276	86	0	1712	
5:30 PM	46	306	5	0	0	284	22	0	1	487	41	0	0	276	101	0	1569	
5:45 PM	43	269	10	0	0	317	35	0	0	536	64	0	0	275	95	0	1644	
TOTAL VOLUMES :	NL 471	NT 3240	NR 67	NU 0	SL 0	ST 3480	SR 343	SU 0	EL 8	ET 5816	ER 622	EU 0	WL 0	WT 3062	WR 1125	WU 0	TOTAL 18234	
APPROACH %'s :	12.47%	85.76%	1.77%	0.00%	0.00%	91.03%	8.97%	0.00%	0.12%	90.23%	9.65%	0.00%	0.00%	73.13%	26.87%	0.00%		
PEAK HR :	05:00 PM - 06:00 PM																	TOTAL
PEAK HR VOL :	180	1182	24	0	0	1204	113	0	2	2101	205	0	0	1069	358	0	6438	
PEAK HR FACTOR :	0.978	0.923	0.600	0.000	0.000	0.950	0.807	0.000	0.500	0.849	0.801	0.000	0.000	0.968	0.886	0.000	0.940	
	0.936				0.935				0.857				0.946					

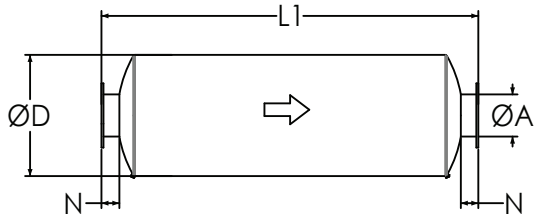
Industrial Grade Silencers

Model NTIN-C (Cylindrical), 15-20 dBA

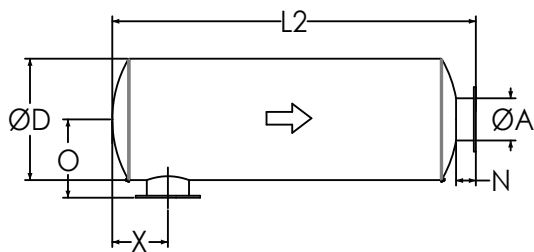
TYPICAL ATTENUATION CURVE



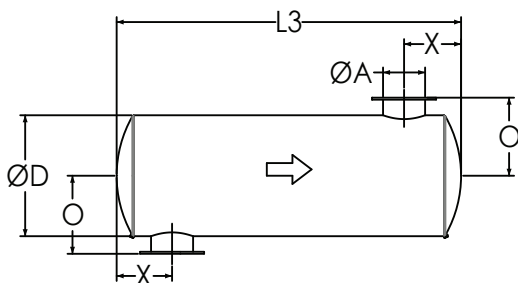
TYPICAL CONFIGURATIONS



END IN END OUT (EI-EO)



SIDE IN END OUT (SI-EO)



SIDE IN SIDE OUT (SI-SO)

Nett Technologies' Industrial Grade Silencers are designed to achieve maximum performance with the least amount of backpressure.

The silencers are Reactive Silencers and are typically used for reciprocating or positive displacement engines where noise level regulations are low.

FEATURES & BENEFITS

- Over 25 years of excellence in manufacturing noise and emission control solutions
- Compact modular designs providing ease of installations, less weight and less foot-print
- Responsive lead time for both standard and custom designs to meet your needs
- Customized engineered systems solutions to meet challenging integration and engine requirements

Contact Nett Technologies with your projects design requirements and specifications for optimized noise control solutions.

OPTIONS

- Versatile connections including ANSI pattern flanges, NPT, slip-on, engine flange, schedule 40 and others
- Aluminized Steel, Stainless Steel 304 or 316 construction
- Horizontal or vertical mounting brackets and lifting lugs

ACCESSORIES

- Hardware Kits
- Flexible connectors and expansion joints
- Elbows
- Thimbles
- Raincaps
- Thermal insulation: integrated or with thermal insulation blankets
- Please see our accessories catalog for a complete listing

PRODUCT DIMENSIONS (in)

Model*	A	D	L1	L2	L3	X**	X	N	O
	Outlet	Dia	EI-EO	SI-EO	SI-SO	Min	Max	Nipple	O
NTIN-C1	1	4	20	18	16	3	7	2	4
NTIN-C1.5	1.5	6	22	20	18	3	8	2	5
NTIN-C2	2	6	22	19	16	3	8	3	6
NTIN-C2.5	2.5	6	24	21	18	4	9	3	6
NTIN-C3	3	8	26	23	20	5	10	3	7
NTIN-C3.5	3.5	9	28	25	22	5	11	3	8
NTIN-C4	4	10	32	29	26	5	12	3	8
NTIN-C5	5	12	36	33	30	6	14	3	9
NTIN-C6	6	14	40	36	32	7	16	4	11
NTIN-C8	8	16	50	46	42	8	21	4	12
NTIN-C10	10	20	52	48	44	11	21	4	14
NTIN-C12	12	24	62	58	54	12	26	4	16
NTIN-C14	14	30	74	69	64	15	31	5	20
NTIN-C16	16	36	82	77	72	18	35	5	23
NTIN-C18	18	40	94	89	84	18	42	5	25
NTIN-C20	20	40	110	105	100	19	52	5	25
NTIN-C22	22	48	118	113	108	22	56	5	29
NTIN-C24	24	48	130	125	120	24	62	5	29

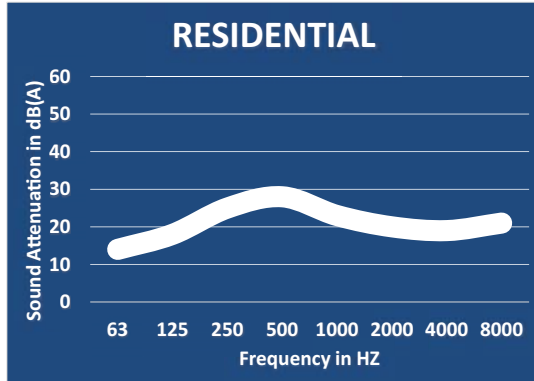
* Other models and custom designs are available upon request. Dimensions subject to change without notice. All silencers are equipped with drain ports on inlet side. The silencer is all welded construction and coated with high heat black paint for maximum durability.

** Standard inlet/outlet position.

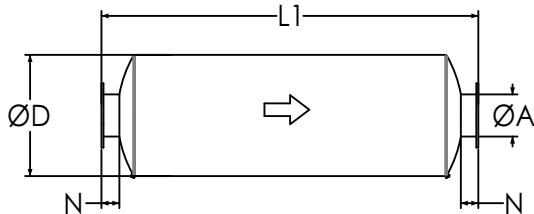
Residential Grade Silencers

Model NTRS-C (Cylindrical), 20-25 dBA

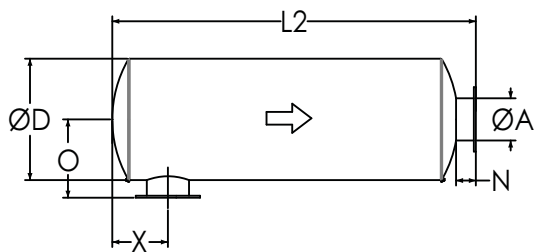
TYPICAL ATTENUATION CURVE



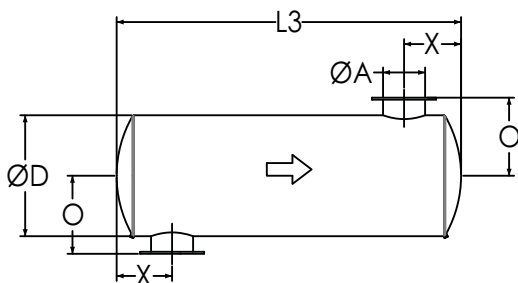
TYPICAL CONFIGURATIONS



END IN END OUT (EI-EO)



SIDE IN END OUT (SI-EO)



SIDE IN SIDE OUT (SI-SO)

Nett Technologies' Residential Grade Silencers are designed to achieve maximum performance with the least amount of backpressure. The silencers are Reactive Silencers and are typically used for reciprocating or positive displacement engines where noise level regulations are medium-low.

FEATURES & BENEFITS

- Over 25 years of excellence in manufacturing noise and emission control solutions
- Compact modular designs providing ease of installations, less weight and less foot-print
- Responsive lead time for both standard and custom designs to meet your needs
- Customized engineered systems solutions to meet challenging integration and engine requirements

Contact Nett Technologies with your projects design requirements and specifications for optimized noise control solutions.

OPTIONS

- Versatile connections including ANSI pattern flanges, NPT, slip-on, engine flange, schedule 40 and others
- Aluminized Steel, Stainless Steel 304 or 316 construction
- Horizontal or vertical mounting brackets and lifting lugs

ACCESSORIES

- Hardware Kits
- Flexible connectors and expansion joints
- Elbows
- Thimbles
- Raincaps
- Thermal insulation: integrated or with thermal insulation blankets
- Please see our accessories catalog for a complete listing

PRODUCT DIMENSIONS (in)

Model*	A	D	L1	L2	L3	X**	X	N	O
	Outlet	Dia	EI-EO	SI-EO	SI-SO	Min	Max	Nipple	O
NTRS-C1	1	4	20	18	16	3	10	2	4
NTRS-C1.5	1.5	6	28	26	24	3	12	2	5
NTRS-C2	2	6	28	25	22	4	12	3	6
NTRS-C2.5	2.5	6	32	29	26	4	14	3	6
NTRS-C3	3	6	34	31	28	5	15	3	6
NTRS-C3.5	3.5	9	36	33	30	5	16	3	8
NTRS-C4	4	10	40	37	34	5	17	3	8
NTRS-C5	5	12	42	39	36	6	18	3	9
NTRS-C6	6	14	44	40	36	7	19	4	11
NTRS-C8	8	16	56	52	48	9	24	4	12
NTRS-C10	10	20	58	54	50	11	24	4	14
NTRS-C12	12	24	70	66	62	13	31	4	16
NTRS-C14	14	30	80	75	70	17	35	5	20
NTRS-C16	16	36	90	85	80	17	40	5	23
NTRS-C18	18	40	102	97	92	18	47	5	25
NTRS-C20	20	42	108	103	98	21	50	5	26
NTRS-C22	22	48	116	111	106	23	54	5	29
NTRS-C24	24	48	130	125	120	26	61	5	29

* Other models and custom designs are available upon request. Dimensions subject to change without notice. All silencers are equipped with drain ports on inlet side. The silencer is all welded construction and coated with high heat black paint for maximum durability.

** Standard inlet/outlet position.



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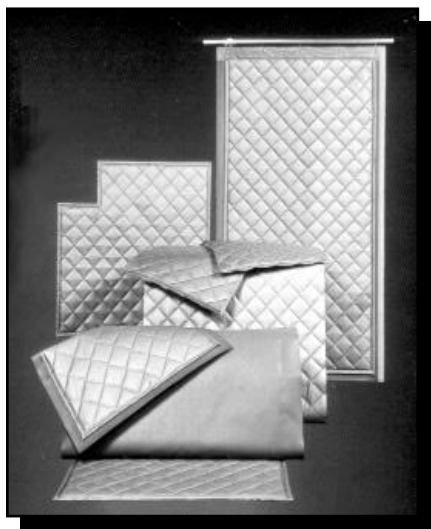
123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com

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We Identify and S.T.O.P. Your Noise Problems



QUILTED CURTAIN S.T.O.P.

Absorptive/Noise Barrier Quilted Curtains

- **For Unusual Conditions**
- **Cost Effective**
- **Water & Chemical Resistant**
- **Exterior Applications**

MATERIAL: Foam or fiberglass core, faced with quilted aluminized fabric.

PATTERN: Quilted pattern.

FEATURES: Effective and durable absorber with mass loaded vinyl barrier option.

APPLICATIONS: Effective solution to a wide range of noise control problems. Machinery and work area enclosures.

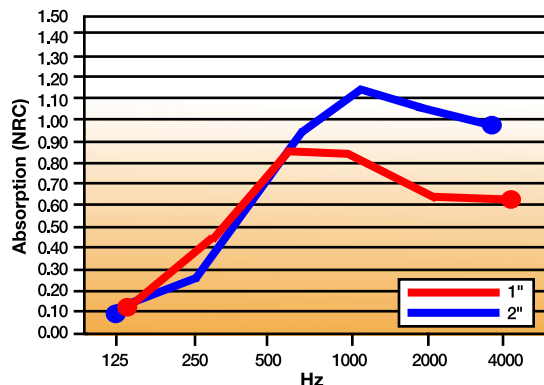
THICKNESS: 1" & 2".

NOM SIZES: BSC-25 Curtain (Quilting on both sides) standard: 48" wide and Lengths up to 25'.
BBC-13 Curtain (Quilting on one side) standard: 54" wide and Lengths up to 25'. Custom sizes also available.

COLOR: Silver (Other colors available upon request).

FLAMMABILITY: ASTM E-84, Class A. Flame Spread: 23, Smoke Developed: 30.

INSTALLATION: Hook and loop fasteners, grommet hangers, curtain support hardware.



CURTAIN S.T.O.P. Sound Transmission Loss - ASTM E90							
Frequency	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	STC
BSC-25 w/ 1 lb. Barrier	12	10	27	40	44	43	29
BSC-25 w/ 2 lb. Barrier	19	22	28	40	56	61	33
BBC-13 w/ 1 lb. Barrier	11	10	24	30	35	35	27
BBC-13 w/ 2 lb. Barrier	19	22	28	40	56	61	33

/a/
/b/

CURTAIN S.T.O.P. Sound Absorption Coefficients							
Frequency	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
1" Fiberglass	.12	.47	.85	.84	.64	.62	.70
2" Fiberglass	.19	.99	.96	.80	.57	.33	.85

/a/ Sound transmission loss is the decibel reduction achieved at different frequencies. Construction noise occurs throughout the frequency spectrum. An example of high frequency noise is the whining sound from a concrete saw or jackhammering, low frequency noise can be usually attributed to equipment such as the humming of a generator.

/b/ Sound Transmission Class (STC) is the integer rating of how well a material attenuates airborne sound. It is however a rough idea of sound reduction versus the transmission loss calculated at different frequencies.

- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
- Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
- OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted



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Echo Barrier™

**The Industry's First Reusable, Indoor/
Outdoor Noise Barrier/Absorber**

- Superior acoustic performance
- Industrial durability
- Simple and quick installation system
- Lightweight for easy handling
- Unique roll-up design for compact storage and transportation
- Double or triple up for noise 'hot spots'
- Ability to add branding or messages
- Range of accessories available
- Weatherproof – absorbs sound but not water
- Fire retardant
- 1 person can do the job of 2 or 3 people



Why is it all too often we see construction sites with fencing but no regard for sound issues created from the construction that is taking place? This is due to the fact that there has not been an efficient means of treating this type of noise that was cost effective **until now**.

Echo Barrier temporary fencing is a reusable, outdoor noise barrier. Designed to fit on all types of temporary fencing. Echo Barrier absorbs sound while remaining quick to install, light to carry and tough to last.

BENEFITS: Echo Barrier can help reduce noise complaints, enhance your company reputation, extend site operating hours, reduce project timescales & costs, and improve working conditions.

APPLICATIONS: Echo Barrier works great for construction & demolition sites; rail maintenance & replacement; music, sports and other public events; road construction; utility/maintenance sites; loading and unloading areas; outdoor gun ranges.

DIMENSIONS: 6.56' × 4.49'.

WEIGHT: 13 lbs.

ACOUSTIC PERFORMANCE: 10-20dB noise reduction (greater if barrier is doubled up).

INSTALLATION: The Echo Barrier is easily installed using our quick hook system and specially designed elastic ties.

Echo Barrier Transmission Loss Field Data							
	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Single Layer	6	12	16	23	28	30	30
Double Layer	7	19	24	28	32	31	32

• Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
 • Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
 • Sound Absorbers • Noise Barriers • Fabric Wrapped Wall Panels • Acoustical Foam (Egg Crate) • Acoustical Sealants & Adhesives • Outdoor Noise Control • Assistive Listening Devices
 • OSHA, FDA, ADA Compliance • On-Site Acoustical Analysis • Acoustical Design & Consulting • Large Inventory • Fast Shipment • No Project too Large or Small • Major Credit Cards Accepted