

Noise Measurement Field Data

Project:	Cerritos Starbucks	Job Number:	194242002	
Site No.:	ST-1	Date:	10/27/2021	
Analyst:	Serena Lin and Jacqueline Tran	Time:	8:48 - 8:58 AM	
Location:	Along Bloomfield Ave, across the street from Target, near residential			
Noise Sources:	cars, pedestrians, trucks			
Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	66.8	54.9	77.0	90.5

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

Weather	
Temp. (degrees F):	55
Wind (mph):	sw 5 mph
Sky:	Clear
Bar. Pressure:	30.15 inHg
Humidity:	74%

Photo:



Measurement Report

Report Summary

Meter's File Name	FSBC.006	Computer's File Name	ST-1 Data.ldbin
Meter	LxT SE		
Firmware	2.404		
User		Location	
Description			
Note			
Start Time	2021-10-27 08:33:33	Duration	0:10:00.0
End Time	2021-10-27 08:43:33	Run Time	0:10:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA _{eq}	69.5 dB		
LAE	97.3 dB	SEA	--- dB
EA	594.5 µPa²h		
LA _{peak}	96.2 dB	2021-10-27 08:43:29	
LAS _{max}	82.9 dB	2021-10-27 08:43:30	
LAS _{min}	53.8 dB	2021-10-27 08:33:45	
LA _{eq}	69.5 dB		
LC _{eq}	77.9 dB	LC _{eq} - LA _{eq}	8.4 dB
LAI _{eq}	71.1 dB	LAI _{eq} - LA _{eq}	1.6 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LA _{peak} > 135.0 dB	0	0:00:00.0
LA _{peak} > 137.0 dB	0	0:00:00.0
LA _{peak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
69.5 dB	69.5 dB	0.0 dB	
LDEN	LDay	LEve	LNight
69.5 dB	69.5 dB	--- dB	--- dB

Any Data

A		C		Z	
Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	69.5 dB	77.9 dB		--- dB	
LS _(max)	82.9 dB 2021-10-27 08:43:30	--- dB		--- dB	
LS _(min)	53.8 dB 2021-10-27 08:33:45	--- dB		--- dB	
L _{Peak(max)}	96.2 dB 2021-10-27 08:43:29	--- dB		--- dB	

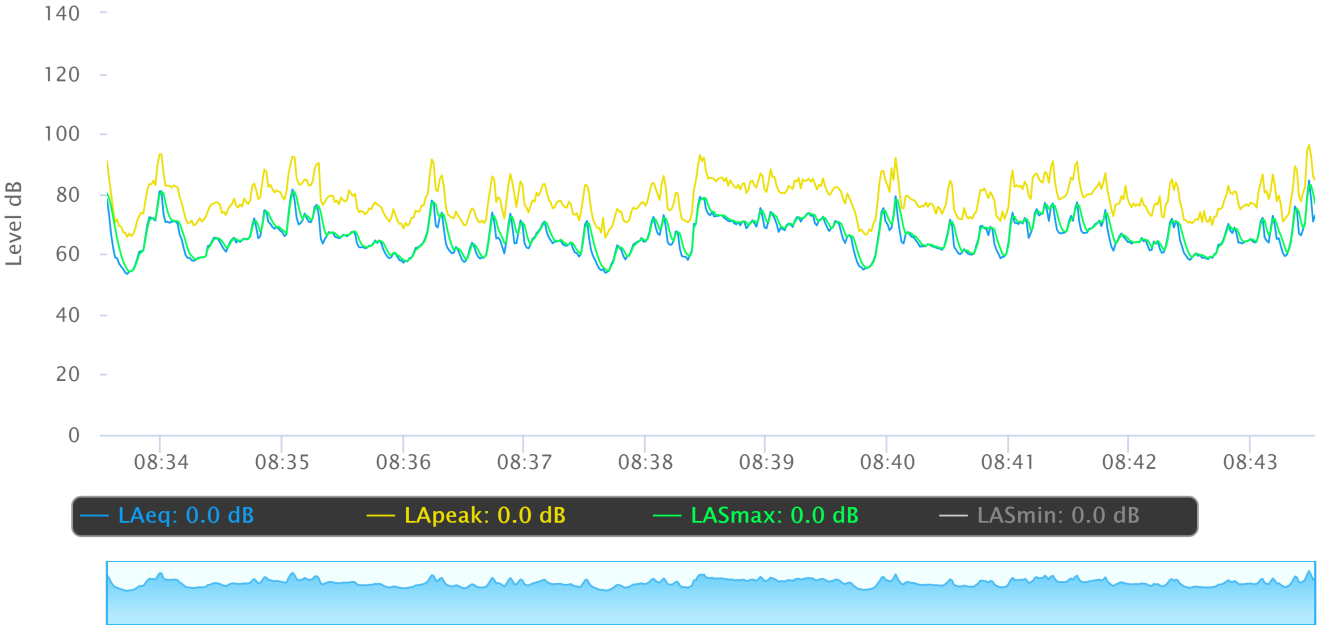
Overloads

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

Statistics

LAS 5.0	74.8 dB
LAS 10.0	72.9 dB
LAS 33.3	69.1 dB
LAS 50.0	66.1 dB
LAS 66.6	63.7 dB
LAS 90.0	59.2 dB

Time History



Noise Measurement Field Data

Project:	Cerritos Starbucks	Job Number:	194242002	
Site No.:	ST-2	Date:	10/27/2021	
Analyst:	Serena Lin and Jacqueline Tran	Time:	8:33 - 8:43 AM	
Location:	Near the Liquor Store across the street from the Target garden center			
Noise Sources:	cars, trucks, birds, liquor store employee sweeping the street, buses			
Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	69.5	53.8	82.9	96.2

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

Weather	
Temp. (degrees F):	54
Wind (mph):	sw 5 mph
Sky:	Clear
Bar. Pressure:	30.15 inHg
Humidity:	78%

Photo:



Measurement Report

Report Summary

Meter's File Name	FSBC.007.s	Computer's File Name	LxTse_0005586-20211027 084844-FSBC.007.ldbin
Meter	LxT SE	0005586	
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2021-10-27 08:48:44	Duration	0:10:00.0
End Time	2021-10-27 08:58:44	Run Time	0:10:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

L _{Aeq}	66.8 dB		
L _{AE}	94.6 dB	SEA	--- dB
EA	320.8 μ Pa ² h		
L _{Apeak}	90.5 dB	2021-10-27 08:55:58	
L _{ASmax}	77.0 dB	2021-10-27 08:52:14	
L _{ASmin}	54.9 dB	2021-10-27 08:51:33	
L _{Aeq}	66.8 dB		
L _{Ceq}	75.7 dB	L _{Ceq} - L _{Aeq}	8.9 dB
L _{AIeq}	67.9 dB	L _{AIeq} - L _{Aeq}	1.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
L _{Apeak} > 135.0 dB	0	0:00:00.0
L _{Apeak} > 137.0 dB	0	0:00:00.0
L _{Apeak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
66.8 dB	66.8 dB	0.0 dB	
LDEN	LDay	LEve	LNight
66.8 dB	66.8 dB	--- dB	--- dB

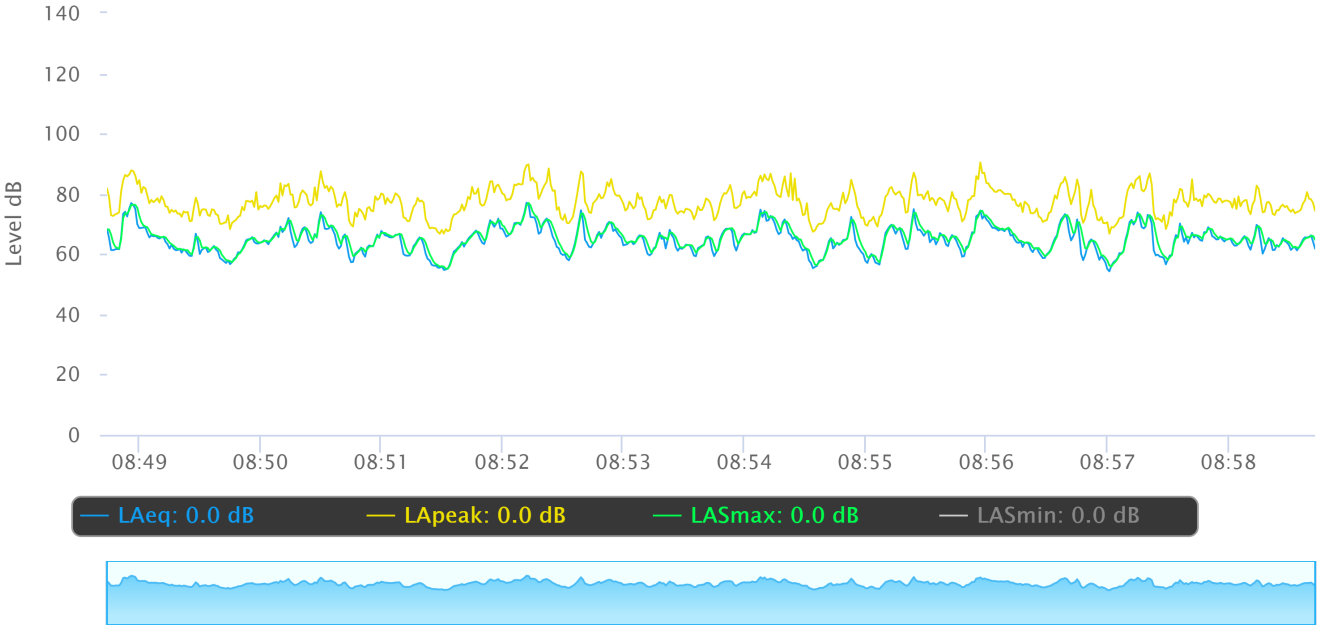
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	66.8 dB		75.7 dB		--- dB	
L _{S(max)}	77.0 dB	2021-10-27 08:52:14	--- dB		--- dB	
L _{S(min)}	54.9 dB	2021-10-27 08:51:33	--- dB		--- dB	
L _{Peak(max)}	90.5 dB	2021-10-27 08:55:58	--- dB		--- dB	

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

Statistics

LAS 5.0	72.1 dB
LAS 10.0	70.4 dB
LAS 33.3	66.4 dB
LAS 50.0	64.8 dB
LAS 66.6	63.2 dB
LAS 90.0	59.6 dB

Time History



Noise Measurement Field Data

Project:	Cerritos Starbucks	Job Number:	194242002	
Site No.:	ST-3	Date:	10/27/2021	
Analyst:	Serena Lin and Jacqueline Tran	Time:	9:21 - 9:31 AM	
Location:	Next to the Cerritos Sports complex parking lot north of Target			
Noise Sources:	cars, someone drumming, runners, birds, lawn mower, plane			
Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	62.7	49.7	79.8	102.0

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

Weather	
Temp. (degrees F):	59
Wind (mph):	sw 5 mph
Sky:	Clear
Bar. Pressure:	30.16 in
Humidity:	67%

Photo:



Measurement Report

Report Summary

Meter's File Name	FSBC.008.s	Computer's File Name	LxTse_0005586-20211027 092119-FSBC.008.ldbin
Meter	LxT SE	0005586	
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2021-10-27 09:21:19	Duration	0:10:00.0
End Time	2021-10-27 09:31:19	Run Time	0:10:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

L _{Aeq}	62.7 dB		
L _{AE}	90.4 dB	SEA	--- dB
EA	122.8 µPa²h		
L _{Apeak}	102.0 dB	2021-10-27 09:23:40	
L _{ASmax}	79.8 dB	2021-10-27 09:23:40	
L _{ASmin}	49.7 dB	2021-10-27 09:30:11	
L _{Aeq}	62.7 dB		
L _{Ceq}	72.1 dB	L _{Ceq} - L _{Aeq}	9.5 dB
L _{AIeq}	66.3 dB	L _{AIeq} - L _{Aeq}	3.7 dB

Exceedances

	Count	Duration
--	-------	----------

LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
L _{Apeak} > 135.0 dB	0	0:00:00.0
L _{Apeak} > 137.0 dB	0	0:00:00.0
L _{Apeak} > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
-----	------	--------

62.7 dB	62.7 dB	0.0 dB
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LDEN	LDay	LEve	LNight
------	------	------	--------

62.7 dB	62.7 dB	--- dB	--- dB
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Any Data

A	C	Z
---	---	---

	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	62.7 dB		72.1 dB		--- dB	
L _{S(max)}	79.8 dB	2021-10-27 09:23:40	--- dB		--- dB	
L _{S(min)}	49.7 dB	2021-10-27 09:30:11	--- dB		--- dB	
L _{Peak(max)}	102.0 dB	2021-10-27 09:23:40	--- dB		--- dB	

Overloads

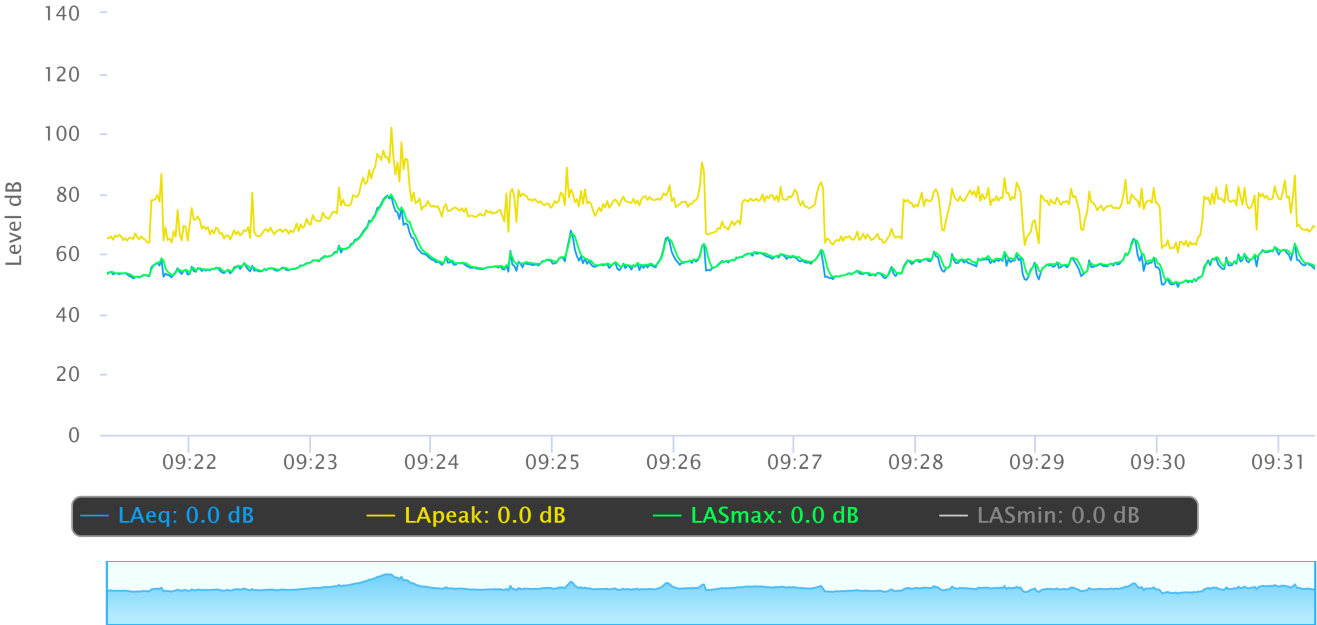
Count	Duration	OBA Count	OBA Duration
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0	0:00:00.0	0	0:00:00.0
---	-----------	---	-----------

Statistics

LAS 5.0	65.1 dB
LAS 10.0	61.2 dB
LAS 33.3	57.8 dB
LAS 50.0	56.8 dB
LAS 66.6	55.8 dB
LAS 90.0	53.4 dB

Time History



Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/05/2022
Case Description: Demolition

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Single Family Residences - W	Residential	1.0	1.0	1.0

Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	230.0	0.0
Dozer	No	40		81.7	230.0	0.0
Backhoe	No	40		77.6	230.0	0.0

Results

Noise Limit Exceedance (dBA)					Noise Limits (dBA)				

Night		Day	Calculated (dBA)		Day	Night	Evening		
			Evening						
			-----	-----	-----	-----	-----	-----	-----
Equipment			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			

-----	-----	-----	-----	-----	-----	-----			
Concrete	Saw		76.3	69.3	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Dozer			68.4	64.4	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Backhoe			64.3	60.3	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Total			76.3	70.9	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

**** Receptor #2 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
-----	-----	-----	-----	-----
Commercial - S	Residential	1.0	1.0	1.0

Equipment

	Impact	Usage	Spec	Actual	Receptor	Estimated
Description	Device	(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
-----	-----	-----	-----	-----	-----	-----
Concrete Saw	No	20		89.6	180.0	0.0
Dozer	No	40		81.7	180.0	0.0
Backhoe	No	40		77.6	180.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Night		Day	Calculated (dBA)		Day		Evening		Lmax
			Evening	Night	Night	Evening			
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	N/A	N/A	N/A	78.5	71.5	N/A	N/A	N/A	N/A
Dozer	N/A	N/A	N/A	70.5	66.6	N/A	N/A	N/A	N/A
Backhoe	N/A	N/A	N/A	66.4	62.5	N/A	N/A	N/A	N/A
Total				78.5	73.1	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/05/2022
Case Description: Site Prep

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Single Family Residences - W	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85.0		230.0	0.0
Scraper	No	40		83.6	230.0	0.0
Tractor	No	40	84.0		230.0	0.0
Backhoe	No	40		77.6	230.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Night		Day	Calculated (dBA)		Day		Evening		
			Evening			Night			
Equipment Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader N/A	N/A	N/A	71.7 N/A	67.8 N/A	N/A	N/A	N/A	N/A	N/A
Scraper N/A	N/A	N/A	70.3 N/A	66.3 N/A	N/A	N/A	N/A	N/A	N/A
Tractor N/A	N/A	N/A	70.7 N/A	66.8 N/A	N/A	N/A	N/A	N/A	N/A
Backhoe N/A	N/A	N/A	64.3 N/A	60.3 N/A	N/A	N/A	N/A	N/A	N/A
Total N/A			71.7 N/A	72.1 N/A	N/A	N/A	N/A	N/A	N/A

**** Receptor #2 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Commercial - S	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85.0		180.0	0.0
Scraper	No	40		83.6	180.0	0.0
Tractor	No	40	84.0		180.0	0.0
Backhoe	No	40		77.6	180.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Noise Level Data									
Night		Calculated (dBA)			Day		Evening		
		Day	Evening		Night				
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	N/A	N/A	73.9	69.9	N/A	N/A	N/A	N/A	N/A
Scrapper	N/A	N/A	72.5	68.5	N/A	N/A	N/A	N/A	N/A
Tractor	N/A	N/A	72.9	68.9	N/A	N/A	N/A	N/A	N/A
Backhoe	N/A	N/A	66.4	62.5	N/A	N/A	N/A	N/A	N/A
Total			73.9	74.2	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/05/2022
Case Description: Grading

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Single Family Residences - W	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85.0		230.0	0.0
Dozer	No	40		81.7	230.0	0.0
Tractor	No	40	84.0		230.0	0.0
Backhoe	No	40		77.6	230.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Night		Calculated (dBA)			Day		Evening		
		Day	Evening		Night				
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	N/A	N/A	71.7	67.8	N/A	N/A	N/A	N/A	N/A
Dozer	N/A	N/A	68.4	64.4	N/A	N/A	N/A	N/A	N/A
Tractor	N/A	N/A	70.7	66.8	N/A	N/A	N/A	N/A	N/A
Backhoe	N/A	N/A	64.3	60.3	N/A	N/A	N/A	N/A	N/A
Total			71.7	71.6	N/A	N/A	N/A	N/A	N/A

**** Receptor #2 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Commercial - S	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Grader	No	40	85.0		75.0	5.0
Dozer	No	40		81.7	75.0	5.0
Tractor	No	40	84.0		75.0	5.0
Backhoe	No	40		77.6	75.0	5.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

	Night	Day	Calculated (dBA)		Day Night			Evening	
				Evening					
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Equipment Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader N/A	N/A	N/A	76.5 N/A	72.5 N/A	N/A	N/A	N/A	N/A	N/A
Dozer N/A	N/A	N/A	73.1 N/A	69.2 N/A	N/A	N/A	N/A	N/A	N/A
Tractor N/A	N/A	N/A	75.5 N/A	71.5 N/A	N/A	N/A	N/A	N/A	N/A
Backhoe N/A	N/A	N/A	69.0 N/A	65.1 N/A	N/A	N/A	N/A	N/A	N/A
Total N/A			76.5 N/A	76.4 N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/05/2022
Case Description: Building Construction

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Single Family Residences - W	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	230.0	0.0
Generator	No	50		80.6	230.0	0.0
Backhoe	No	40		77.6	230.0	0.0
Tractor	No	40	84.0		230.0	0.0
Welder / Torch	No	40		74.0	230.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Night	Day	Calculated (dBA)		Day Night	Evening		Lmax
			Lmax	Leq		Lmax	Leq	
Man Lift	N/A	N/A	61.4	54.5	N/A	N/A	N/A	N/A
Generator	N/A	N/A	67.4	64.4	N/A	N/A	N/A	N/A
Backhoe	N/A	N/A	64.3	60.3	N/A	N/A	N/A	N/A
Tractor	N/A	N/A	70.7	66.8	N/A	N/A	N/A	N/A
Welder / Torch	N/A	N/A	60.7	56.8	N/A	N/A	N/A	N/A

		Total	70.7	69.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

**** Receptor #2 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Commercial - S	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	180.0	0.0
Generator	No	50		80.6	180.0	0.0
Backhoe	No	40		77.6	180.0	0.0
Tractor	No	40	84.0		180.0	0.0
Welder / Torch	No	40		74.0	180.0	0.0

Results

Noise Limit Exceedance (dBA)

Noise Limits (dBA)

Night		Day		Calculated (dBA)		Day		Evening	
				Evening		Night			
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift	N/A	N/A	N/A	63.6	56.6	N/A	N/A	N/A	N/A
Generator	N/A	N/A	N/A	69.5	66.5	N/A	N/A	N/A	N/A
Backhoe	N/A	N/A	N/A	66.4	62.5	N/A	N/A	N/A	N/A
Tractor	N/A	N/A	N/A	72.9	68.9	N/A	N/A	N/A	N/A
Welder / Torch	N/A	N/A	N/A	62.9	58.9	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	72.9	71.8	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/05/2022
Case Description: Paving

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Single Family Residences - W	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Concrete Mixer Truck	No	40		78.8	230.0	0.0
Paver	No	50		77.2	230.0	0.0
Roller	No	20		80.0	230.0	0.0
Tractor	No	40	84.0		230.0	0.0
Backhoe	No	40		77.6	230.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

		Calculated (dBA)			Day		Evening		
Night		Day	Evening		Night				
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Equipment									
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Concrete Mixer Truck	N/A	N/A	65.5	61.6	N/A	N/A	N/A	N/A	N/A
Paver	N/A	N/A	64.0	61.0	N/A	N/A	N/A	N/A	N/A
Roller	N/A	N/A	66.7	59.8	N/A	N/A	N/A	N/A	N/A
Tractor	N/A	N/A	70.7	66.8	N/A	N/A	N/A	N/A	N/A
Backhoe	N/A	N/A	64.3	60.3	N/A	N/A	N/A	N/A	N/A

		Total	70.7	69.8	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

**** Receptor #2 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Commercial - S	Commercial	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	180.0	0.0
Paver	No	50		77.2	180.0	0.0
Roller	No	20		80.0	180.0	0.0
Tractor	No	40	84.0		180.0	0.0
Backhoe	No	40		77.6	180.0	0.0

Results

Noise Limit Exceedance (dBA)

Noise Limits (dBA)

Night		Day		Calculated (dBA)		Day		Evening	
				Evening		Night			
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	N/A	N/A	N/A	67.7	63.7	N/A	N/A	N/A	N/A
Paver	N/A	N/A	N/A	66.1	63.1	N/A	N/A	N/A	N/A
Roller	N/A	N/A	N/A	68.9	61.9	N/A	N/A	N/A	N/A
Tractor	N/A	N/A	N/A	72.9	68.9	N/A	N/A	N/A	N/A
Backhoe	N/A	N/A	N/A	66.4	62.5	N/A	N/A	N/A	N/A
Total		N/A	N/A	72.9	71.9	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 01/05/2022
Case Description: Arch Coating

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Single Family Residences - W	Residential	1.0	1.0	1.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	230.0	0.0

Results

Noise Limit Exceedance (dBA)					Noise Limits (dBA)				

Night		Day	Calculated (dBA)		Day	Night		Evening	
			Evening						

Equipment			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			

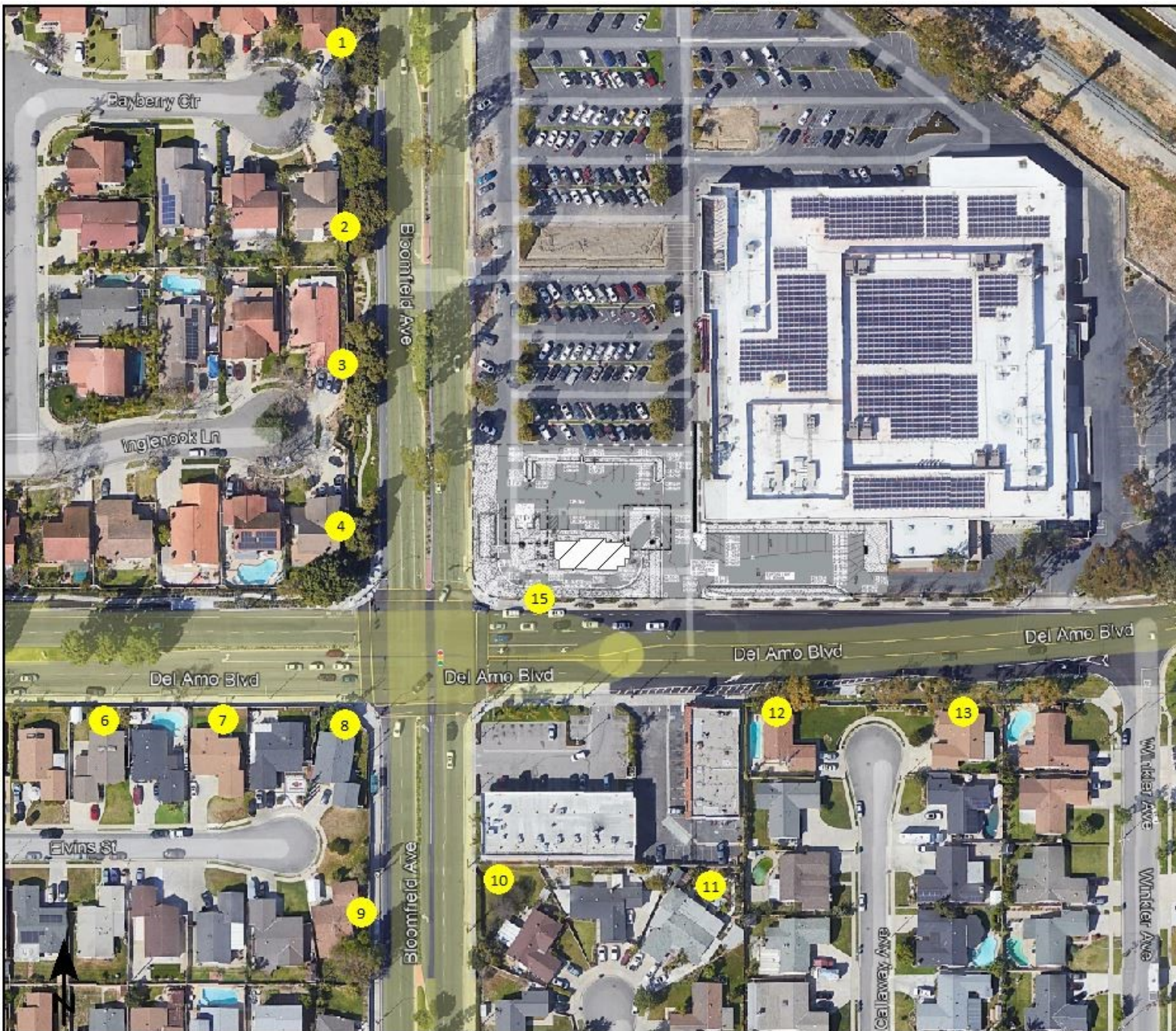
Compressor (air)			64.4	60.4	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Total			64.4	60.4	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	180.0	0.0

Results

Noise Limit Exceedance (dBA) Noise Limits (dBA)

Night		Day		Calculated (dBA)		Day		Evening	
						Night			
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Compressor (air)	N/A	N/A	66.5	62.6	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	66.5	62.6	N/A	N/A	N/A	N/A	N/A



Cerritos Starbucks Drive-Thru

Signs and symbols

-  Proposed Starbucks Restaurant
-  Receiver

1 : 1639

0 10 20 40 60 80 m

Receiver list

No.	Receiver name	Buildir side	Floor	Limit			Level w/o NP			Level w NP			Difference			Conflict		
				Day	Night	Ldn	Day	Night	Ldn	Day	Night	Ldn	Day	Night	Ldn	Day	Night	Ldn
				dB(A)			dB(A)			dB(A)			dB			dB		
1	1	-	1.FI	-	-	-	40.8	40.4	46.8	0.0	0.0	0.0	-40.8	-40.4	-46.8	-	-	-
			2.FI	-	-	-	43.3	42.7	49.2	0.0	0.0	0.0	-43.3	-42.7	-49.2	-	-	-
2	2	-	1.FI	-	-	-	43.2	42.7	49.2	0.0	0.0	0.0	-43.2	-42.7	-49.2	-	-	-
			2.FI	-	-	-	46.9	46.3	52.8	0.0	0.0	0.0	-46.9	-46.3	-52.8	-	-	-
3	3	-	1.FI	-	-	-	46.0	45.5	52.0	0.0	0.0	0.0	-46.0	-45.5	-52.0	-	-	-
			2.FI	-	-	-	49.6	49.1	55.6	0.0	0.0	0.0	-49.6	-49.1	-55.6	-	-	-
4	4	-	1.FI	-	-	-	49.4	49.2	55.6	0.0	0.0	0.0	-49.4	-49.2	-55.6	-	-	-
			2.FI	-	-	-	51.6	51.2	57.7	0.0	0.0	0.0	-51.6	-51.2	-57.7	-	-	-
5	5	-	1.FI	-	-	-	41.3	41.2	47.6	0.0	0.0	0.0	-41.3	-41.2	-47.6	-	-	-
6	6	-	1.FI	-	-	-	42.8	42.6	49.1	0.0	0.0	0.0	-42.8	-42.6	-49.1	-	-	-
7	7	-	1.FI	-	-	-	44.6	44.4	50.9	0.0	0.0	0.0	-44.6	-44.4	-50.9	-	-	-
8	8	-	1.FI	-	-	-	46.7	46.5	53.0	0.0	0.0	0.0	-46.7	-46.5	-53.0	-	-	-
9	9	-	1.FI	-	-	-	43.0	42.9	49.3	0.0	0.0	0.0	-43.0	-42.9	-49.3	-	-	-
10	10	-	1.FI	-	-	-	32.4	32.0	38.5	0.0	0.0	0.0	-32.4	-32.0	-38.5	-	-	-
11	11	-	1.FI	-	-	-	42.2	42.1	48.5	0.0	0.0	0.0	-42.2	-42.1	-48.5	-	-	-
12	12	-	1.FI	-	-	-	48.0	47.3	53.8	0.0	0.0	0.0	-48.0	-47.3	-53.8	-	-	-
13	13	-	1.FI	-	-	-	44.7	44.0	50.5	0.0	0.0	0.0	-44.7	-44.0	-50.5	-	-	-
14	14	-	1.FI	-	-	-	42.4	41.6	48.2	0.0	0.0	0.0	-42.4	-41.6	-48.2	-	-	-
15	15	-	1.FI	-	-	-	63.9	63.8	70.2	0.0	0.0	0.0	-63.9	-63.8	-70.2	-	-	-