

APPENDIX G

NOISE DATA

Norwalk Shapell Apartments

Noise Measurement Locations



Alondra Blvd

Alondra Blvd

Alondra Blvd

on Products

ments

se

Google Earth

College Dr

Matelstone Ave

Pc Repair

Wienerschnitzel

ST-4

ST-3

Alondra Square Shopping Center

S K Embroidery

ST-2

Baylor Dr

LT-1

ST-1

College Dr

400 ft



Noise Measurement Field Data

Project:	Norwalk Shapell Apartments	Job Number:	94896004
Site No.:	ST-1	Date:	7/13/2022
Analyst:	Serena Lin and Steven Yu	Time:	3:19 - 3:29 PM
Location:	Northern end of Flallon Avenue, southeast of Project site		
Noise Sources:	Birds, distant traffic, child talking		

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	48.2	43.2	62.2	87.5

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

Weather	
Temp. (degrees F):	78
Wind (mph):	9
Sky:	Clear
Bar. Pressure:	29.88 inHg
Humidity:	49%

Photo:



Measurement Report

Report Summary

Meter's File Name	NOR.001.s	Computer's File Name	LxTse_0007061-20220713 151908-NOR.001.ldbin		
Meter	LxT SE 0007061	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2022-07-13 15:19:08	Duration	0:10:00.0		
End Time	2022-07-13 15:29:08	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-07-13 14:24:03	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	48.2 dB		
LAE	76.0 dB	SEA	--- dB
EA	4.4 μPa ² h		
LA _{peak}	87.5 dB		2022-07-13 15:25:17
LAS _{max}	62.2 dB		2022-07-13 15:25:17
LAS _{min}	43.2 dB		2022-07-13 15:20:50
LA _{eq}	48.2 dB		
LC _{eq}	61.2 dB	LC _{eq} - LA _{eq}	13.0 dB
LAI _{eq}	52.6 dB	LAI _{eq} - LA _{eq}	4.4 dB

Exceedances

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

Community Noise

LDN	LDay	LNight	
48.2 dB	48.2 dB	0.0 dB	
LDEN	LDay	LEve	LNight
48.2 dB	48.2 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	48.2 dB		61.2 dB		--- dB	
LS _(max)	62.2 dB	2022-07-13 15:25:17	--- dB	None	--- dB	None
LS _(min)	43.2 dB	2022-07-13 15:20:50	--- dB	None	--- dB	None
L _{Peak(max)}	87.5 dB	2022-07-13 15:25:17	--- dB	None	--- dB	None

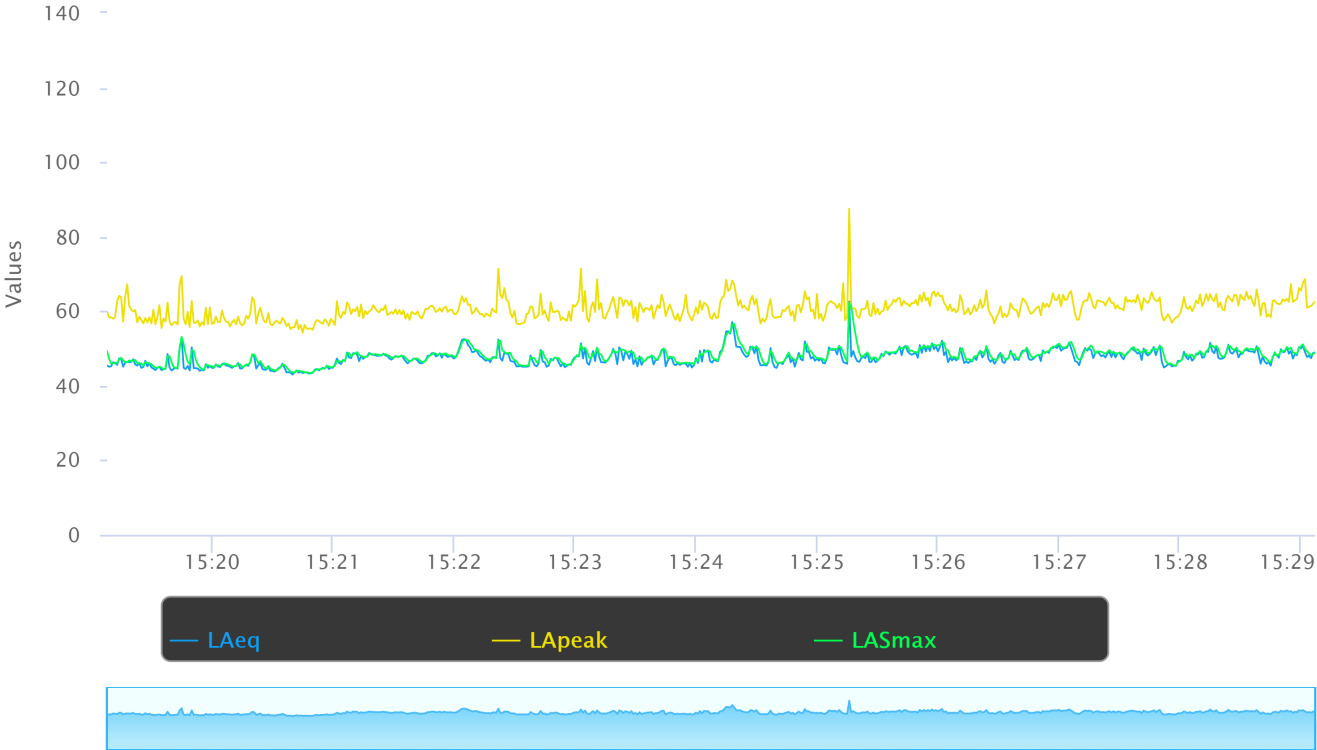
Overloads

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

Statistics

LAS 5.0	50.4 dB
LAS 10.0	49.8 dB
LAS 33.3	48.4 dB
LAS 50.0	47.6 dB
LAS 66.6	46.7 dB
LAS 90.0	45.1 dB

Time History



Noise Measurement Field Data

Project:	Norwalk Shapell Apartments	Job Number:	94896004
Site No.:	ST-2	Date:	7/13/2022
Analyst:	Serena Lin and Steven Yu	Time:	3:37 - 3:47 PM
Location:	Northern side of Baylor Drive, west of Project site		
Noise Sources:	Distant traffic, trees rustling in wind, distant police sirens, airplane, cars		

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	47.4	41.3	57.5	82.3

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

Weather	
Temp. (degrees F):	78
Wind (mph):	10
Sky:	Clear
Bar. Pressure:	29.88 inHg
Humidity:	49%

Photo:



Measurement Report

Report Summary

Meter's File Name	NOR.002	Computer's File Name	ST-2.ldbin
Meter	LxT SE		
Firmware	2.404		
User			Location
Description			
Note			
Start Time	2022-07-13 15:37:00	Duration	0:10:00.0
End Time	2022-07-13 15:47:00	Run Time	0:10:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA _{eq}	47.4 dB		
LAE	75.1 dB	SEA	--- dB
EA	3.6 μPa²h		
LA _{peak}	82.3 dB		2022-07-13 15:45:23
LAS _{max}	57.5 dB		2022-07-13 15:46:15
LAS _{min}	41.3 dB		2022-07-13 15:46:58
LA _{eq}	47.4 dB		
LC _{eq}	63.7 dB	LC _{eq} - LA _{eq}	16.4 dB
LAI _{eq}	50.5 dB	LAI _{eq} - LA _{eq}	3.2 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	
47.4 dB	47.4 dB	0.0 dB	
LDEN	LDay	LEve	LNight
47.4 dB	47.4 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	47.4 dB		63.7 dB		--- dB	
LS _(max)	57.5 dB	2022-07-13 15:46:15	--- dB		--- dB	
LS _(min)	41.3 dB	2022-07-13 15:46:58	--- dB		--- dB	
L _{Peak(max)}	82.3 dB	2022-07-13 15:45:23	--- dB		--- dB	

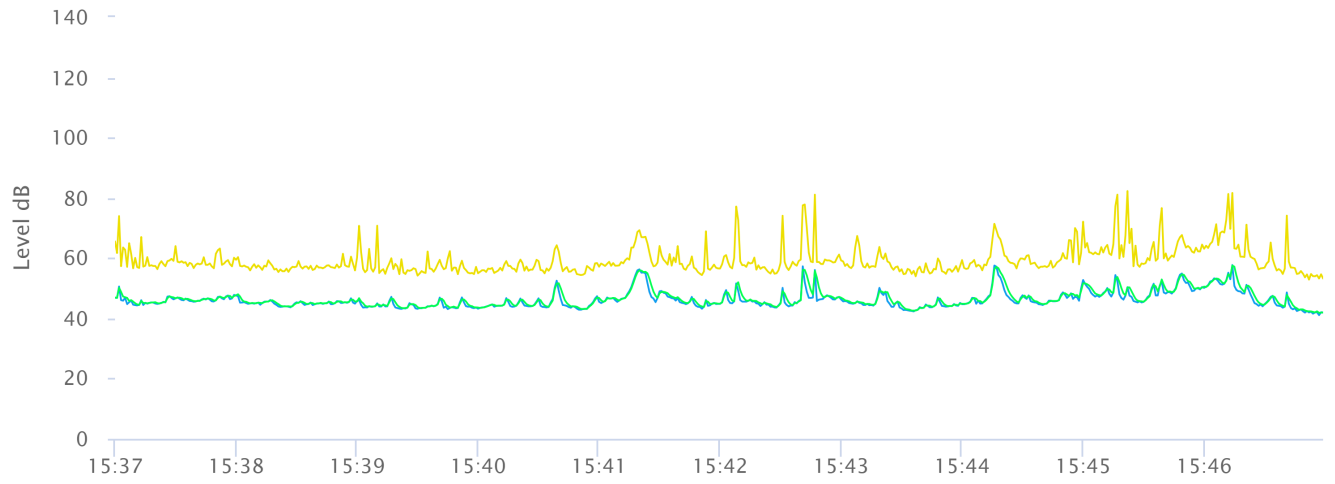
Overloads

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

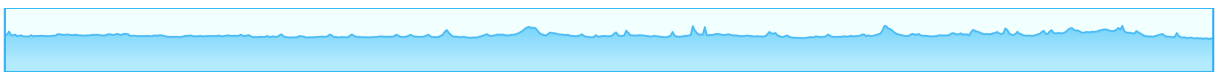
Statistics

LAS 5.0	52.2 dB
LAS 10.0	50.1 dB
LAS 33.3	46.5 dB
LAS 50.0	45.5 dB
LAS 66.6	44.8 dB
LAS 90.0	43.7 dB

Time History



— LAeq: 0.0 dB — LApeak: 0.0 dB — LASmax: 0.0 dB — LASmin: 0.0 dB



Noise Measurement Field Data

Project:	Norwalk Shapell Apartments	Job Number:	94896004
Site No.:	ST-3	Date:	7/13/2022
Analyst:	Serena Lin and Steven Yu	Time:	3:58 - 4:11 PM
Location:	Near the center of the project site.		
Noise Sources:	Birds, distant traffic, loud wind		

Results (dBA):				
	Leq:	Lmin:	Lmax:	Peak:
	50.2	46.0	56.3	74.1

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

Weather	
Temp. (degrees F):	78
Wind (mph):	10
Sky:	Clear
Bar. Pressure:	29.88
Humidity:	49%

Photo:



Measurement Report

Report Summary

Meter's File Name	NOR.003.s	Computer's File Name	LxTse_0007061-20220713 155845-NOR.003.ldbin		
Meter	LxT SE 0007061	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2022-07-13 15:58:45	Duration	0:10:05.4		
End Time	2022-07-13 16:11:18	Run Time	0:10:03.5	Pause Time	0:00:01.9
Pre-Calibration	None	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	50.2 dB		
LAE	78.0 dB	SEA	--- dB
EA	7.0 μPa²h		
LA _{peak}	74.1 dB		2022-07-13 15:59:23
LAS _{max}	56.3 dB		2022-07-13 16:11:13
LAS _{min}	46.0 dB		2022-07-13 16:04:05
LA _{eq}	50.2 dB		
LC _{eq}	64.8 dB	LC _{eq} - LA _{eq}	14.6 dB
LAI _{eq}	51.4 dB	LAI _{eq} - LA _{eq}	1.2 dB

Exceedances

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

Community Noise

LDN	LDay	LNight	
50.2 dB	50.2 dB	0.0 dB	
LDEN	LDay	LEve	LNight
50.2 dB	50.2 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	50.2 dB		64.8 dB		--- dB	
LS _(max)	56.3 dB	2022-07-13 16:11:13	--- dB	None	--- dB	None
LS _(min)	46.0 dB	2022-07-13 16:04:05	--- dB	None	--- dB	None
L _{Peak(max)}	74.1 dB	2022-07-13 15:59:23	--- dB	None	--- dB	None

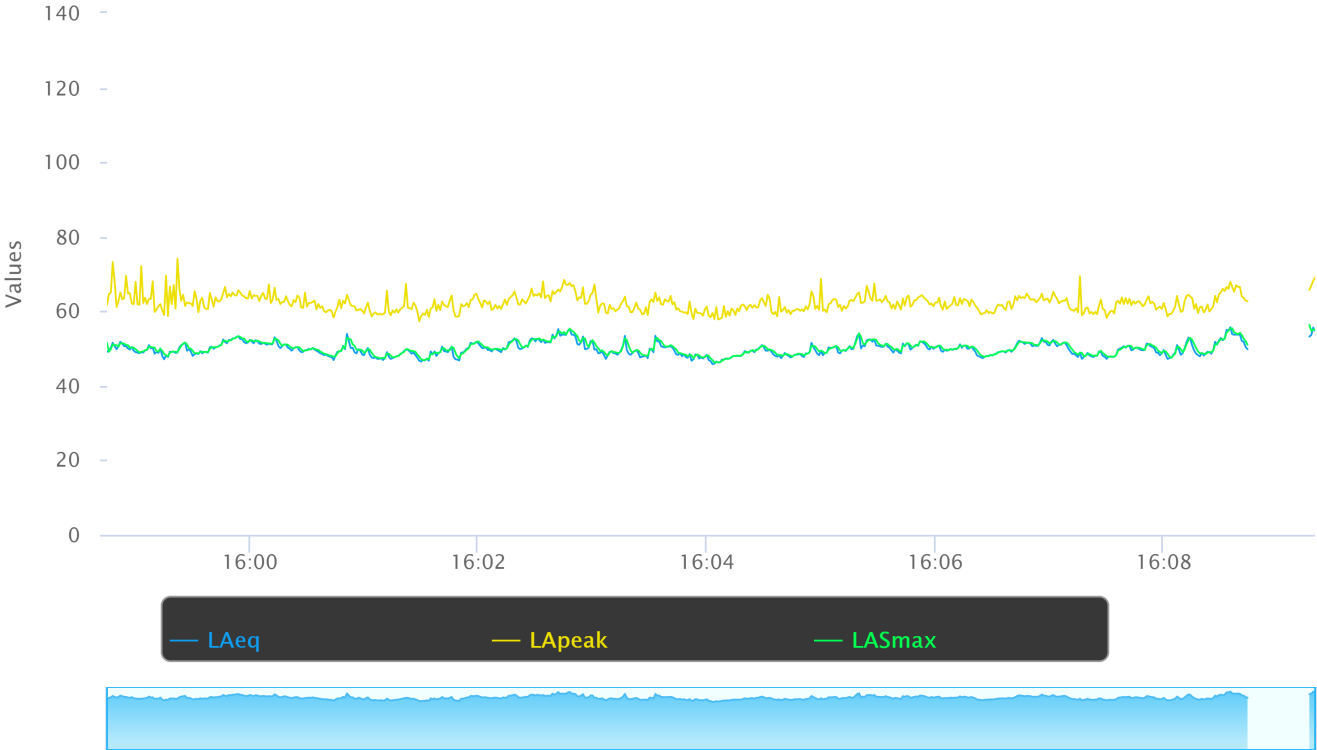
Overloads

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

Statistics

LAS 5.0	52.7 dB
LAS 10.0	52.1 dB
LAS 33.3	50.5 dB
LAS 50.0	49.7 dB
LAS 66.6	49.0 dB
LAS 90.0	47.8 dB

Time History



Noise Measurement Field Data

Project:	Norwalk Shapell Apartments	Job Number:	94896004
Site No.:	ST-4	Date:	7/13/2022
Analyst:	Serena Lin and Steven Yu	Time:	4:13 - 4:23 PM
Location:	Northern portion of project site along Alondra Boulevard		
Noise Sources:	Trucks, loud wind, car traffic, pedestrians talking		
Results (dBA):			
	Leq:	Lmin:	Lmax:
	59.0	47.1	68.5
			Peak:
			81.4

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

Weather	
Temp. (degrees F):	78
Wind (mph):	10
Sky:	Clear
Bar. Pressure:	29.87 inHg
Humidity:	49%

Photo:



Measurement Report

Report Summary

Meter's File Name	NOR.005	Computer's File Name	ST-4.ldbin
Meter	LxT SE		
Firmware	2.404		
User		Location	
Description			
Note			
Start Time	2022-07-13 16:13:41	Duration	0:10:00.0
End Time	2022-07-13 16:23:41	Run Time	0:10:00.0
		Pause Time	0:00:00.0

Results

Overall Metrics

LA _{eq}	59.0 dB		
LAE	86.7 dB	SEA	--- dB
EA	52.4 μPa²h		
LA _{peak}	81.4 dB	2022-07-13 16:15:21	
LAS _{max}	68.5 dB	2022-07-13 16:13:41	
LAS _{min}	47.1 dB	2022-07-13 16:17:16	
LA _{eq}	59.0 dB		
LC _{eq}	69.2 dB	LC _{eq} - LA _{eq}	10.2 dB
LAI _{eq}	59.8 dB	LAI _{eq} - LA _{eq}	0.8 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	
59.0 dB	59.0 dB	0.0 dB	
LDEN	LDay	LEve	LNight
59.0 dB	59.0 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	59.0 dB		69.2 dB		--- dB	
LS _(max)	68.5 dB	2022-07-13 16:13:41	--- dB		--- dB	
LS _(min)	47.1 dB	2022-07-13 16:17:16	--- dB		--- dB	
L _{Peak(max)}	81.4 dB	2022-07-13 16:15:21	--- dB		--- dB	

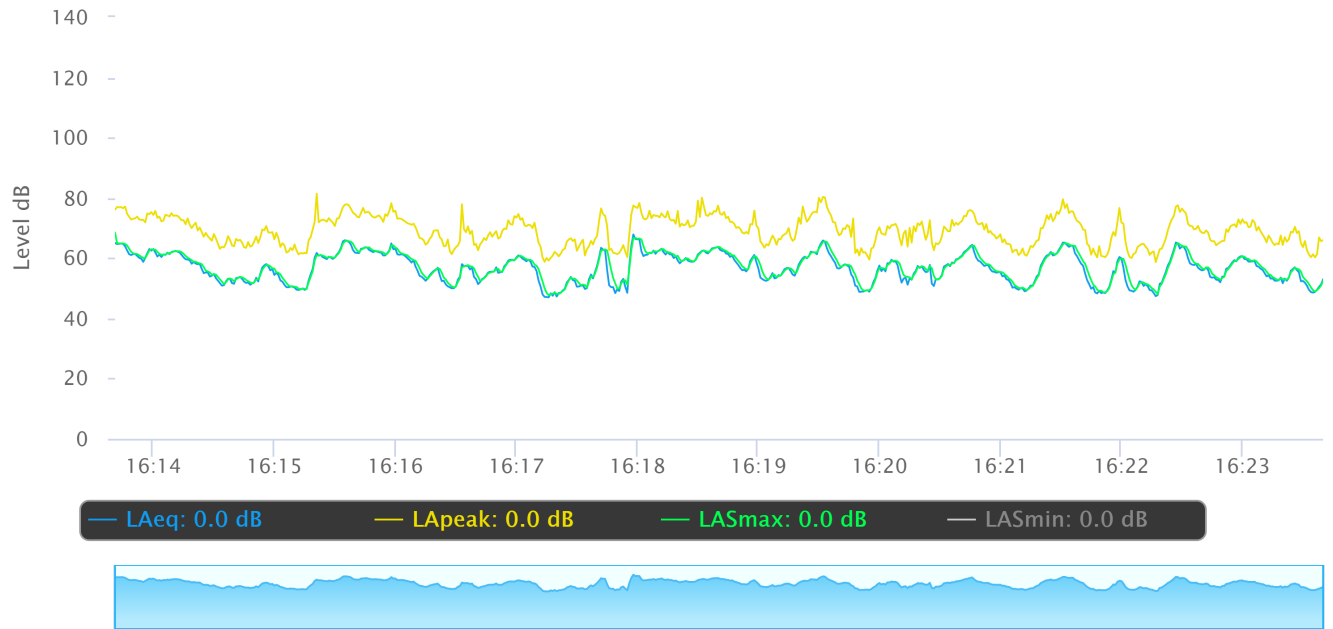
Overloads

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

Statistics

LAS 5.0	63.9 dB
LAS 10.0	62.6 dB
LAS 33.3	59.5 dB
LAS 50.0	56.8 dB
LAS 66.6	54.2 dB
LAS 90.0	50.3 dB

Time History



Noise Measurement Field Data

Project:	Norwalk Shapell Apartments	Job Number:	094896004
Site No.:	LT-1	Date:	10/4/2022 - 10/5/2022
Analyst:	Kiana Graham and Sarah Miller	Time:	1:57 pm (10/4/22) - 1:57 pm (10/5/22)
Location:	11600 Alondra Boulevard at southeast corner of Project Site		
Noise Sources:	N/A - long-term measurement		
Results (dBA):			
	Leq:	Lmin:	Lmax:
	50.0	37.3	76.5
			Peak:
			104.1

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

Weather	
Temp. (degrees F):	85°
Wind (mph):	< 5
Sky:	Clear
Bar. Pressure:	28.89"
Humidity:	53%

Photo:



Measurement Report

Report Summary

Meter's File Name	LT_.007.s	Computer's File Name	LxTse_0007061-20221004 135542-LT_.007.lbin		
Meter	LxT SE 0007061	Firmware	2.404		
User		Location			
Job Description					
Note					
Start Time	2022-10-04 13:55:42	Duration	25:06:02.3		
End Time	2022-10-05 15:01:45	Run Time	25:06:02.3	Pause Time	0:00:00.0
Pre-Calibration	2022-10-04 07:54:40	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA _{eq}	50.0 dB		
LAE	99.6 dB	SEA	--- dB
EA	1.0 mPa²h		
LA _{peak}	104.1 dB		2022-10-04 13:55:57
LAS _{max}	76.5 dB		2022-10-05 05:42:45
LAS _{min}	37.3 dB		2022-10-05 03:58:19
LA _{eq}	50.0 dB		
LC _{eq}	65.7 dB	LC _{eq} - LA _{eq}	15.7 dB
LAI _{eq}	52.1 dB	LAI _{eq} - LA _{eq}	2.1 dB

Exceedances

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

Community Noise

LDN	LDay	LNight	
54.7 dB	50.9 dB	0.0 dB	
LDEN	LDay	LEve	LNight
55.2 dB	50.9 dB	50.7 dB	47.7 dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	50.0 dB		65.7 dB		--- dB	
LS _(max)	76.5 dB	2022-10-05 05:42:45	--- dB	None	--- dB	None
LS _(min)	37.3 dB	2022-10-05 03:58:19	--- dB	None	--- dB	None
L _{Peak(max)}	104.1 dB	2022-10-04 13:55:57	--- dB	None	--- dB	None

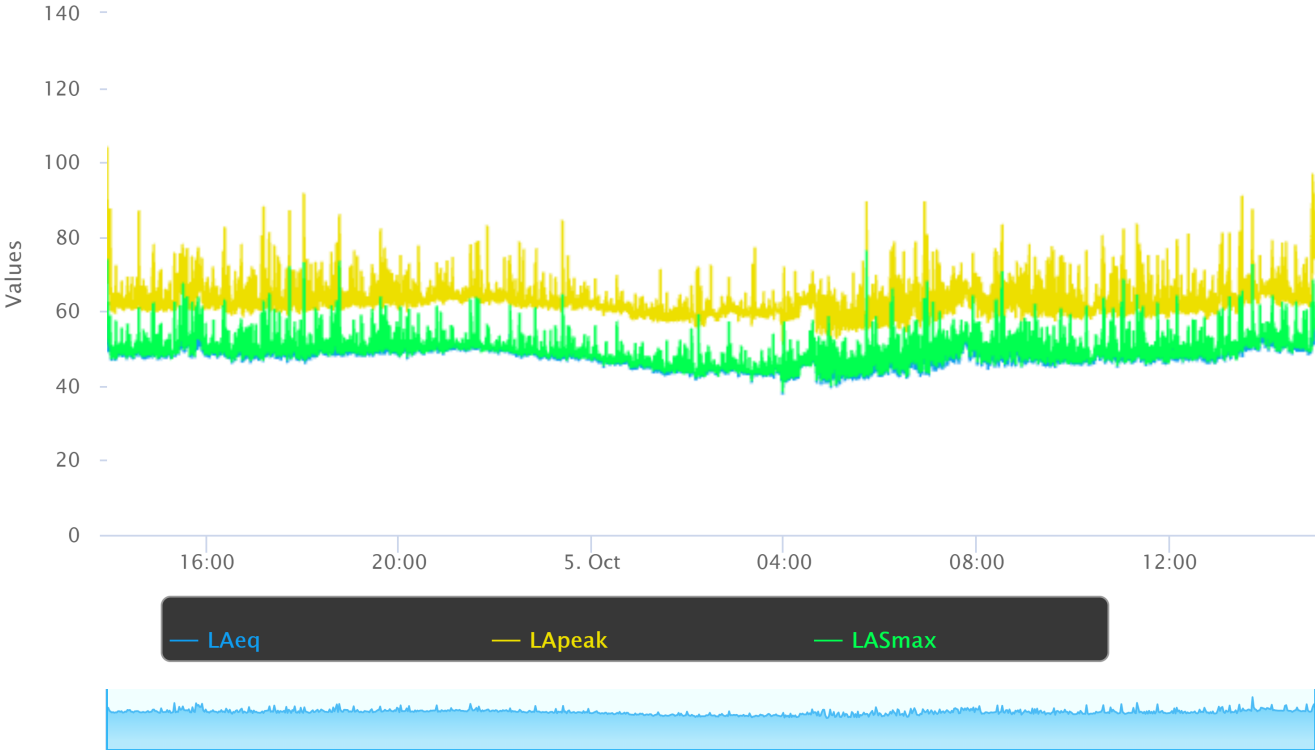
Overloads

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

Statistics

LAS 5.0	53.4 dB
LAS 10.0	51.6 dB
LAS 33.3	49.2 dB
LAS 50.0	48.2 dB
LAS 66.6	47.1 dB
LAS 90.0	43.9 dB

Time History



Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 10/31/2022
 Case Description: 01 Site Prep

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
South	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84	84	330	0
Tractor	No	40	84	84	330	0
Tractor	No	40	84	84	330	0
Tractor	No	40	84	84	330	0
Dozer	No	40		81.7	330	0
Dozer	No	40		81.7	330	0
Dozer	No	40		81.7	330	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	67.6	N/A	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	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	65.3	61.3	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	65.3	61.3	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	65.3	61.3	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	67.6	71.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
West	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84	84	340	0
Tractor	No	40	84	84	340	0
Tractor	No	40	84	84	340	0
Tractor	No	40	84	84	340	0
Dozer	No	40		81.7	340	0
Dozer	No	40		81.7	340	0
Dozer	No	40		81.7	340	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	65	61	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	65	61	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	65	61	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	67.3	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
North (High School)	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84	84	500	0
Tractor	No	40	84	84	500	0
Tractor	No	40	84	84	500	0
Tractor	No	40	84	84	500	0
Dozer	No	40		81.7	500	0
Dozer	No	40		81.7	500	0

Dozer No 40 81.7 500 0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)					Noise Limit Exceedance (dBA)						
	*Lmax	Leq	Lmax	Day		Evening		Night		Day		Evening		Night	
				Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	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	61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
East	Residential	55	50	45

Equipment

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84		430	0
Tractor	No	40	84		430	0
Tractor	No	40	84		430	0
Tractor	No	40	84		430	0
Dozer	No	40		81.7	430	0
Dozer	No	40		81.7	430	0
Dozer	No	40		81.7	430	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)					Noise Limit Exceedance (dBA)						
	*Lmax	Leq	Lmax	Day		Evening		Night		Day		Evening		Night	
				Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	63	59	N/A	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	63	59	N/A	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	63	59	N/A	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	65.3	68.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 10/31/2022
Case Descriptio 02 Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
South	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)	
			Spec Lmax (dBA)	Actual Lmax (dBA)			
Excavator	No	40			80.7	330	0
Grader	No	40	85			330	0
Tractor	No	40	84			330	0
Dozer	No	40		81.7		330	0
Tractor	No	40	84			330	0
Tractor	No	40	84			330	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Excavator	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
Grader	68.6	64.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	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	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	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	68.6	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

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
West	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)	
			Spec Lmax (dBA)	Actual Lmax (dBA)			
Excavator	No	40			80.7	340	0
Grader	No	40	85			340	0
Tractor	No	40	84			340	0
Dozer	No	40		81.7		340	0
Tractor	No	40	84			340	0
Tractor	No	40	84			340	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Excavator	64.1	60.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	68.3	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
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	65	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	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	68.3	70.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
North (High Scf	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)	
			Spec Lmax (dBA)	Actual Lmax (dBA)			
Excavator	No	40			80.7	500	0
Grader	No	40	85			500	0
Tractor	No	40	84			500	0
Dozer	No	40		81.7		500	0
Tractor	No	40	84			500	0
Tractor	No	40	84			500	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	65	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	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	61.7	57.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	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	65	67.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
East	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
			Excavator	No	40	80.7
Grader	No	40	85	430	0	
Tractor	No	40	84	430	0	
Dozer	No	40	81.7	430	0	
Tractor	No	40	84	430	0	
Tractor	No	40	84	430	0	

Equipment	Calculated (dBA)			Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	62	58	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	66.3	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	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	63	59	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	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	66.3	68.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 10/31/2022
 Case Description: 03 Building Construction

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
South	Residential	55	50	45

		Equipment					
Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)	
Crane	No	16			80.6	330	0
All Other Equipment > 5 HP	No	50	85			330	0
All Other Equipment > 5 HP	No	50	85			330	0
All Other Equipment > 5 HP	No	50	85			330	0
Generator	No	50			80.6	330	0
Tractor	No	40	84			330	0
Tractor	No	40	84			330	0
Tractor	No	40	84			330	0
Welder / Torch	No	40			74	330	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	64.2	56.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	68.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	68.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	68.6	65.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	64.2	61.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.6	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	57.6	53.6	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	68.6	73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
West	Residential	55	50	45

		Equipment					
Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)	
Crane	No	16			80.6	340	0
All Other Equipment > 5 HP	No	50	85			340	0
All Other Equipment > 5 HP	No	50	85			340	0
All Other Equipment > 5 HP	No	50	85			340	0
Generator	No	50			80.6	340	0
Tractor	No	40	84			340	0
Tractor	No	40	84			340	0
Tractor	No	40	84			340	0
Welder / Torch	No	40			74	340	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	63.9	55.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	68.3	65.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	68.3	65.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	68.3	65.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	64	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.3	63.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	57.3	53.4	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	68.3	72.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
North (High School)	Residential	55	50	45

		Equipment					
Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)	
Crane	No	16			80.6	340	0
All Other Equipment > 5 HP	No	50	85			340	0
All Other Equipment > 5 HP	No	50	85			340	0
All Other Equipment > 5 HP	No	50	85			340	0
Generator	No	50			80.6	340	0
Tractor	No	40	84			340	0
Tractor	No	40	84			340	0
Tractor	No	40	84			340	0
Welder / Torch	No	40			74	340	0

Description	Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Crane	No	16			80.6	500	0
All Other Equipment > 5 HP	No	50	85			500	0
All Other Equipment > 5 HP	No	50	85			500	0
All Other Equipment > 5 HP	No	50	85			500	0
Generator	No	50			80.6	500	0
Tractor	No	40	84			500	0
Tractor	No	40	84			500	0
Tractor	No	40	84			500	0
Welder / Torch	No	40			74	500	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	60.6	52.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	60.6	57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	54	50	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	65	69.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
East	Residential	55	50	45

Equipment

Description	Impact Device	Usage(%)	Spec		Receptor Distance (feet)	Estimated Shielding (dBA)	
			Lmax (dBA)	Lmax (dBA)		Lmax	Leq
Crane	No	16			80.6	430	0
All Other Equipment > 5 HP	No	50	85			430	0
All Other Equipment > 5 HP	No	50	85			430	0
All Other Equipment > 5 HP	No	50	85			430	0
Generator	No	50			80.6	430	0
Tractor	No	40	84			430	0
Tractor	No	40	84			430	0
Tractor	No	40	84			430	0
Welder / Torch	No	40			74	430	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
Crane	61.9	53.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	66.3	63.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	66.3	63.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP	66.3	63.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	61.9	58.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	65.3	61.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	55.3	51.3	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	66.3	70.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 10/31/2022
 Case Description: 04 Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
South	Residential	55	50	45

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	330	0
Paver	No	50		77.2	330	0
Pavement Scarafier	No	20		89.5	330	0
Pavement Scarafier	No	20		89.5	330	0
Roller	No	20		80	330	0
Roller	No	20		80	330	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Paver	60.8	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	60.8	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	73.1	66.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	73.1	66.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	63.6	56.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	63.6	56.6	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	73.1	70.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
West	Residential	55	50	45

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	340	0
Paver	No	50		77.2	340	0
Pavement Scarafier	No	20		89.5	340	0
Pavement Scarafier	No	20		89.5	340	0
Roller	No	20		80	340	0
Roller	No	20		80	340	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Paver	60.6	57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	60.6	57.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	72.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	72.8	65.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	63.3	56.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	63.3	56.4	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	72.8	69.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
North (High School)	Residential	55	50	45

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	500	0
Paver	No	50		77.2	500	0
Pavement Scarafier	No	20		89.5	500	0
Pavement Scarafier	No	20		89.5	500	0
Roller	No	20		80	500	0
Roller	No	20		80	500	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			Noise Limit Exceedance (dBA)		
	Day	Evening	Day	Evening	Night	Day	Evening	Night

Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	57.2	54.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	57.2	54.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	69.5	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	69.5	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60	53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60	53	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	69.5	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
East	Commercial	55	50	45

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Paver	No	50		77.2	430	0
Paver	No	50		77.2	430	0
Pavement Scarafier	No	20		89.5	430	0
Pavement Scarafier	No	20		89.5	430	0
Roller	No	20		80	430	0
Roller	No	20		80	430	0

Results

Equipment	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day	Evening		Night		
			Lmax	Leq	Lmax	Leq	Lmax	Leq		Lmax	Leq	Lmax	Leq	
Paver	58.5	55.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	58.5	55.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	70.8	63.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	70.8	63.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	61.3	54.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	61.3	54.3	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	70.8	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 10/31/2022
 Case Description: 05 AC

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
South	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment			
			Spec (dBA)	Actual (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	330	0

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)				
	*Lmax	Leq	Day	Leq	Evening	Night	Day	Leq	Evening	Night	Leq
Compressor (air)	61.3	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	61.3	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
West	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment			
			Spec (dBA)	Actual (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	340	0

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)				
	*Lmax	Leq	Day	Leq	Evening	Night	Day	Leq	Evening	Night	Leq
Compressor (air)	61	57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	61	57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
North (High School)	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment			
			Spec (dBA)	Actual (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	500	0

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)				
	*Lmax	Leq	Day	Leq	Evening	Night	Day	Leq	Evening	Night	Leq
Compressor (air)	57.7	53.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	57.7	53.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
East	Residential	55	50	45

Description	Impact Device	Usage(%)	Equipment			
			Spec (dBA)	Actual (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	430	0

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)				
	*Lmax	Leq	Day	Leq	Evening	Night	Day	Leq	Evening	Night	Leq
Compressor (air)	59	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	59	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.