Noise Measurement Field Data

Project:	Maverik Manteca	**Job Number:**	197344008
Site No.:	1	**Date:**	1/26/2022
Analyst:	Sophie La Herran	**Time:**	11:49 AM
Location:	S. Airport Way		
Noise Sources:	Traffic on Airport Way, Trucks idling		
Comments:			

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	67.9	52.7	83.1	94.6

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

Weather	
Temp. (degrees F):	61°
Wind (mph):	< 6
Sky:	Clear
Bar. Pressure:	30.15"
Humidity:	27%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.105.s	Computer's File Name	LxTse_0006073-20220126 114920-LxT_Data.105.ldbin
Meter	LxT SE 0006073		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-01-26 11:49:20	Duration	0:10:03.4
End Time	2022-01-26 11:59:23	Run Time	0:10:03.4
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	67.9 dB		
LAE	95.7 dB	SEA	--- dB
EA	412.7 µPa²h		
LA_{peak}	94.6 dB	2022-01-26 11:55:02	
LAS_{max}	83.1 dB	2022-01-26 11:54:07	
LAS_{min}	52.7 dB	2022-01-26 11:51:17	
LA_{eq}	67.9 dB		
LC_{eq}	76.5 dB	LC_{eq} - LA_{eq}	8.6 dB
LAI_{eq}	69.7 dB	LAI_{eq} - LA_{eq}	1.8 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
67.9 dB	67.9 dB	0.0 dB

LDEN	LDay	LEve	LNight
67.9 dB	67.9 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	67.9 dB		76.5 dB		--- dB	
$Ls_{(max)}$	83.1 dB	2022-01-26 11:54:07	--- dB		--- dB	
$LS_{(min)}$	52.7 dB	2022-01-26 11:51:17	--- dB		--- dB	
$L_{Peak(max)}$	94.6 dB	2022-01-26 11:55:02	--- dB		--- dB	

Overloads

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

Statistics

LAS 5.0	72.3 dB
LAS 10.0	70.4 dB
LAS 33.3	67.1 dB
LAS 50.0	65.4 dB
LAS 66.6	63.3 dB
LAS 90.0	57.3 dB

Noise Measurement Field Data

Project:	Maverik Manteca	**Job Number:**	197344008
Site No.:	2	**Date:**	1/26/2022
Analyst:	Sophie La Herran	**Time:**	12:04 PM
Location:	Sage Sparrow Ave		
Noise Sources:	Traffic on W. Atherton		
Comments:			

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	63.8	51.8	76.0	99.3

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

Weather	
Temp. (degrees F):	61°
Wind (mph):	< 6
Sky:	Clear
Bar. Pressure:	30.15"
Humidity:	27%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.106.s	Computer's File Name	LxTse_0006073-20220126 120412-LxT_Data.106.ldbin
Meter	LxT SE 0006073		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-01-26 12:04:12	Duration	0:10:11.6
End Time	2022-01-26 12:14:24	Run Time	0:10:11.6
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	63.8 dB		
LAE	91.6 dB	SEA	--- dB
EA	162.4 µPa²h		
LA_{peak}	99.3 dB	2022-01-26 12:07:01	
LAS_{max}	76.0 dB	2022-01-26 12:08:11	
LAS_{min}	51.8 dB	2022-01-26 12:09:14	
LA_{eq}	63.8 dB		
LC_{eq}	72.4 dB	LC_{eq} - LA_{eq}	8.6 dB
LAI_{eq}	66.6 dB	LAI_{eq} - LA_{eq}	2.8 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
63.8 dB	63.8 dB	0.0 dB

LDEN	LDay	LEve	LNight
63.8 dB	63.8 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	63.8 dB		72.4 dB		--- dB	
$Ls_{(max)}$	76.0 dB	2022-01-26 12:08:11	--- dB		--- dB	
$LS_{(min)}$	51.8 dB	2022-01-26 12:09:14	--- dB		--- dB	
$L_{Peak(max)}$	99.3 dB	2022-01-26 12:07:01	--- dB		--- dB	

Overloads

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

Statistics

LAS 5.0	69.7 dB
LAS 10.0	68.0 dB
LAS 33.3	62.4 dB
LAS 50.0	59.3 dB
LAS 66.6	57.0 dB
LAS 90.0	54.7 dB

Noise Measurement Field Data

Project:	Maverik Manteca	**Job Number:**	197344008
Site No.:	3	**Date:**	1/26/2022
Analyst:	Sophie La Herran	**Time:**	12:21 PM
Location:	Langum Way		
Noise Sources:	Cars passing by		
Comments:			

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	48.8	43.4	64.5	83.3

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

Weather	
Temp. (degrees F):	61°
Wind (mph):	< 6
Sky:	Clear
Bar. Pressure:	30.15"
Humidity:	27%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.107.s	Computer's File Name	LxTse_0006073-20220126 122055-LxT_Data.107.ldbin
Meter	LxT SE 0006073		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-01-26 12:20:55	Duration	0:10:00.8
End Time	2022-01-26 12:30:56	Run Time	0:10:00.8
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	48.8 dB		
LAE	76.5 dB	SEA	--- dB
EA	5.0 µPa²h		
LA_{peak}	83.3 dB	2022-01-26 12:21:04	
LAS_{max}	64.5 dB	2022-01-26 12:27:35	
LAS_{min}	43.4 dB	2022-01-26 12:26:45	
LA_{eq}	48.8 dB		
LC_{eq}	63.3 dB	LC_{eq} - LA_{eq}	14.6 dB
LAI_{eq}	51.4 dB	LAI_{eq} - LA_{eq}	2.7 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
48.8 dB	48.8 dB	0.0 dB

LDEN	LDay	LEve	LNight
48.8 dB	48.8 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	48.8 dB		63.3 dB		--- dB	
$Ls_{(max)}$	64.5 dB	2022-01-26 12:27:35	--- dB		--- dB	
$LS_{(min)}$	43.4 dB	2022-01-26 12:26:45	--- dB		--- dB	
$L_{Peak(max)}$	83.3 dB	2022-01-26 12:21:04	--- dB		--- dB	

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	50.2 dB
LAS 33.3	47.2 dB
LAS 50.0	46.5 dB
LAS 66.6	46.0 dB
LAS 90.0	44.7 dB

Noise Measurement Field Data

Project:	Maverik Manteca	**Job Number:**	197344008
Site No.:	4	**Date:**	1/26/2022
Analyst:	Sophie La Herran	**Time:**	12:36 PM
Location:	W Atherton Drive		
Noise Sources:	Traffic on I-120		
Comments:			

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	69.9	41.9	87.0	111.3

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

Weather	
Temp. (degrees F):	61°
Wind (mph):	< 6
Sky:	Clear
Bar. Pressure:	30.15"
Humidity:	27%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.108.s	Computer's File Name	LxTse_0006073-20220126 123629-LxT_Data.108.ldbin
Meter	LxT SE 0006073		
Firmware	2.404		
User		Location	
Job Description			
Note			
Start Time	2022-01-26 12:36:29	Duration	0:10:03.7
End Time	2022-01-26 12:46:33	Run Time	0:10:03.7
		Pause Time	0:00:00.0

Results

Overall Metrics

LA_{eq}	69.6 dB		
LAE	97.4 dB	SEA	--- dB
EA	607.9 µPa²h		
LA_{peak}	111.3 dB	2022-01-26 12:44:18	
LAS_{max}	87.0 dB	2022-01-26 12:38:56	
LAS_{min}	41.9 dB	2022-01-26 12:46:17	
LA_{eq}	69.6 dB		
LC_{eq}	83.1 dB	LC_{eq} - LA_{eq}	13.5 dB
LAI_{eq}	74.1 dB	LAI_{eq} - LA_{eq}	4.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	1	0:00:03.8
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
69.6 dB	69.6 dB	0.0 dB

LDEN	LDay	LEve	LNight
69.6 dB	69.6 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	69.6 dB		83.1 dB		--- dB	
$Ls_{(max)}$	87.0 dB	2022-01-26 12:38:56	--- dB		--- dB	
$LS_{(min)}$	41.9 dB	2022-01-26 12:46:17	--- dB		--- dB	
$L_{Peak(max)}$	111.3 dB	2022-01-26 12:44:18	--- dB		--- dB	

Overloads

Count	Duration	OBA Count	OBA Duration
1	0:00:02.2	1	0:00:02.2

Statistics

LAS 5.0	72.4 dB
LAS 10.0	70.0 dB
LAS 33.3	67.6 dB
LAS 50.0	66.4 dB
LAS 66.6	64.9 dB
LAS 90.0	58.1 dB

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/3/2022
Case Description: Demo

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	275	5
Excavator	No	40		80.7	275	5
Dozer	No	40		81.7	275	5

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	69.8	62.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	60.9	56.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69.8	64.8	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.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residence South	Residential	48.8	48.8	48.8

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Saw	No	20		89.6	300	5
Excavator	No	40		80.7	300	5
Dozer	No	40		81.7	300	5

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	69	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
Excavator	60.1	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
Dozer	61.1	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69	64	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: 3/3/2022
Case Description: Site Prep

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		275	5
Dozer	No	40		81.7	275	5

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		61.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	64.2	62.2	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 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residence South	Residential	48.8	48.8	48.8

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		300	5
Dozer	No	40		81.7	300	5

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		63.4	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		61.1	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	63.4	61.5	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.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/3/2022
Case Description: Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	275	5
Grader	No	40	85		275	5
Scraper	No	40		83.6	275	5
Tractor	No	40	84		275	5

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Flat Bed Truck	54.4	50.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	65.2	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
Scraper	63.8	59.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.2	65.4	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 #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residence South	Residential	48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Flat Bed Truck	No	40		74.3	300	5
Grader	No	40	85		300	5
Scraper	No	40		83.6	300	5
Tractor	No	40	84		300	5

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Flat Bed Truck	53.7	49.7	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	64.4	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	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	63.4	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.4	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

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/3/2022
Case Description: Builidng Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	275	5
Crane	No	16		80.6	275	5
Generator	No	50		80.6	275	5
Tractor	No	40	84		275	5
Welder / Torch	No	40		74	275	5

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Man Lift	54.9	47.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	60.7	52.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	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
Tractor	64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	54.2	50.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.2	63	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
Residence South	Residential	48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	300	5
Crane	No	16		80.6	300	5
Generator	No	50		80.6	300	5
Tractor	No	40	84		300	5
Welder / Torch	No	40		74	300	5

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Man Lift	54.1	47.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	60	52	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	60.1	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	63.4	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	53.4	49.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	63.4	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

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/3/2022
Case Description: Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	275	5
Roller	No	20		80	275	5

Results

		Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver		57.4	54.4	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		60.2	53.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	60.2	56.9	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
Residence South	Residential	48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	300	5
Roller	No	20		80	300	5

Results

		Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver		56.7	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
Roller		59.4	52.4	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	59.4	56.1	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.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/3/2022
Case Description: Arch Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	275	5

Results

	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	57.9	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
Total	57.9	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

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Residence South	Residential	48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	300	5

Results

	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	57.1	53.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	57.1	53.1	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.