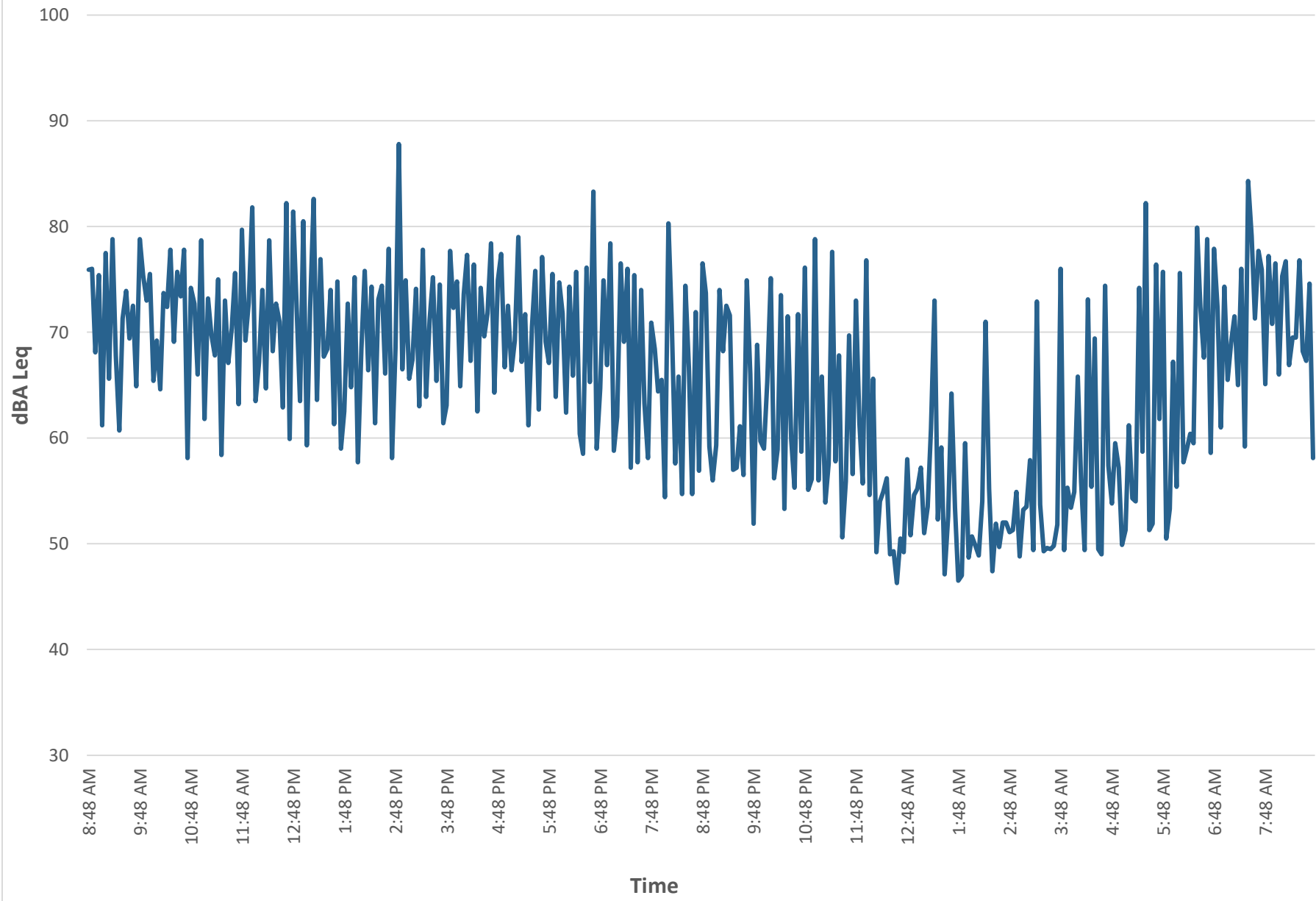


Appendix F

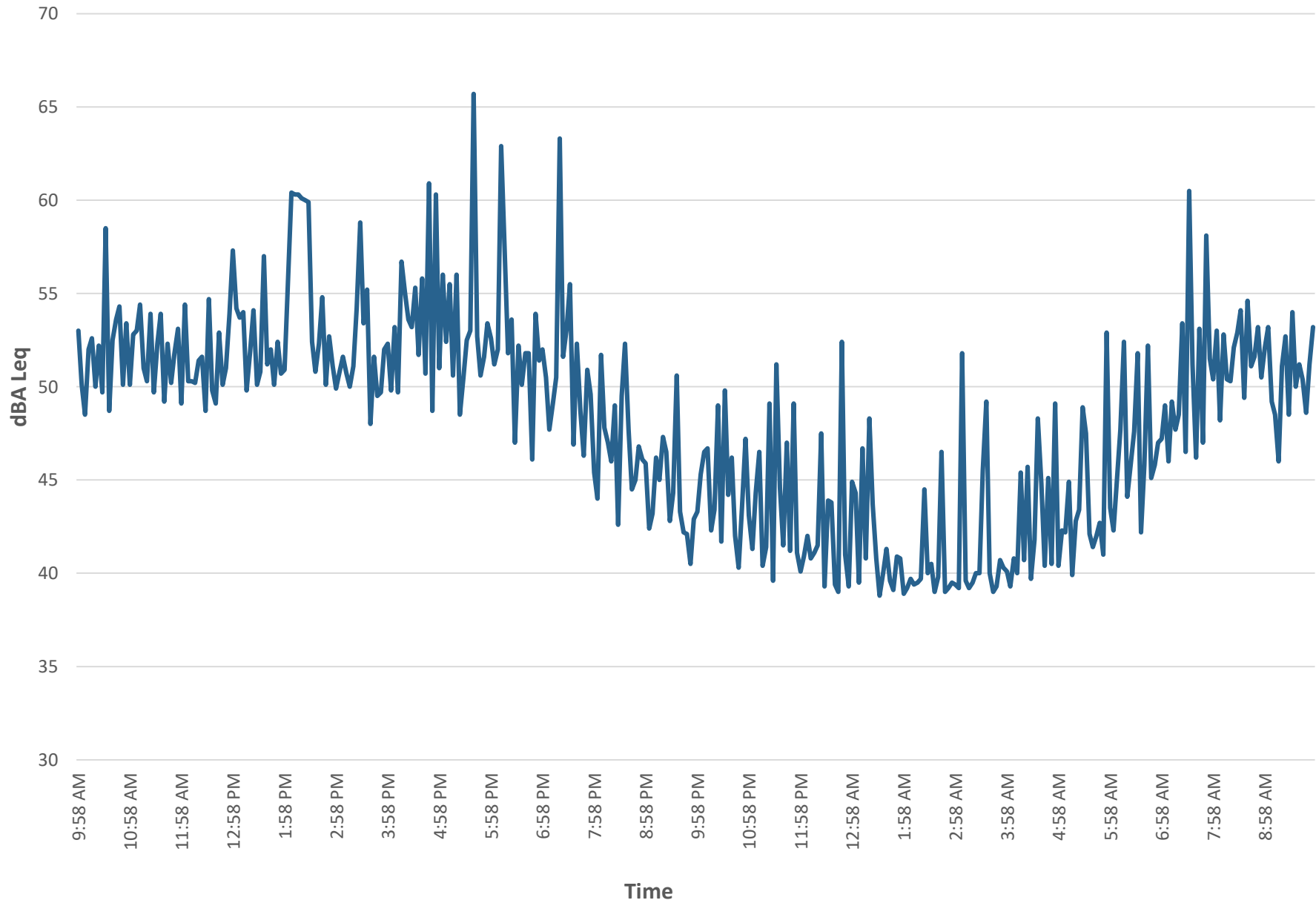
Noise Modeling

Ambient Noise Data

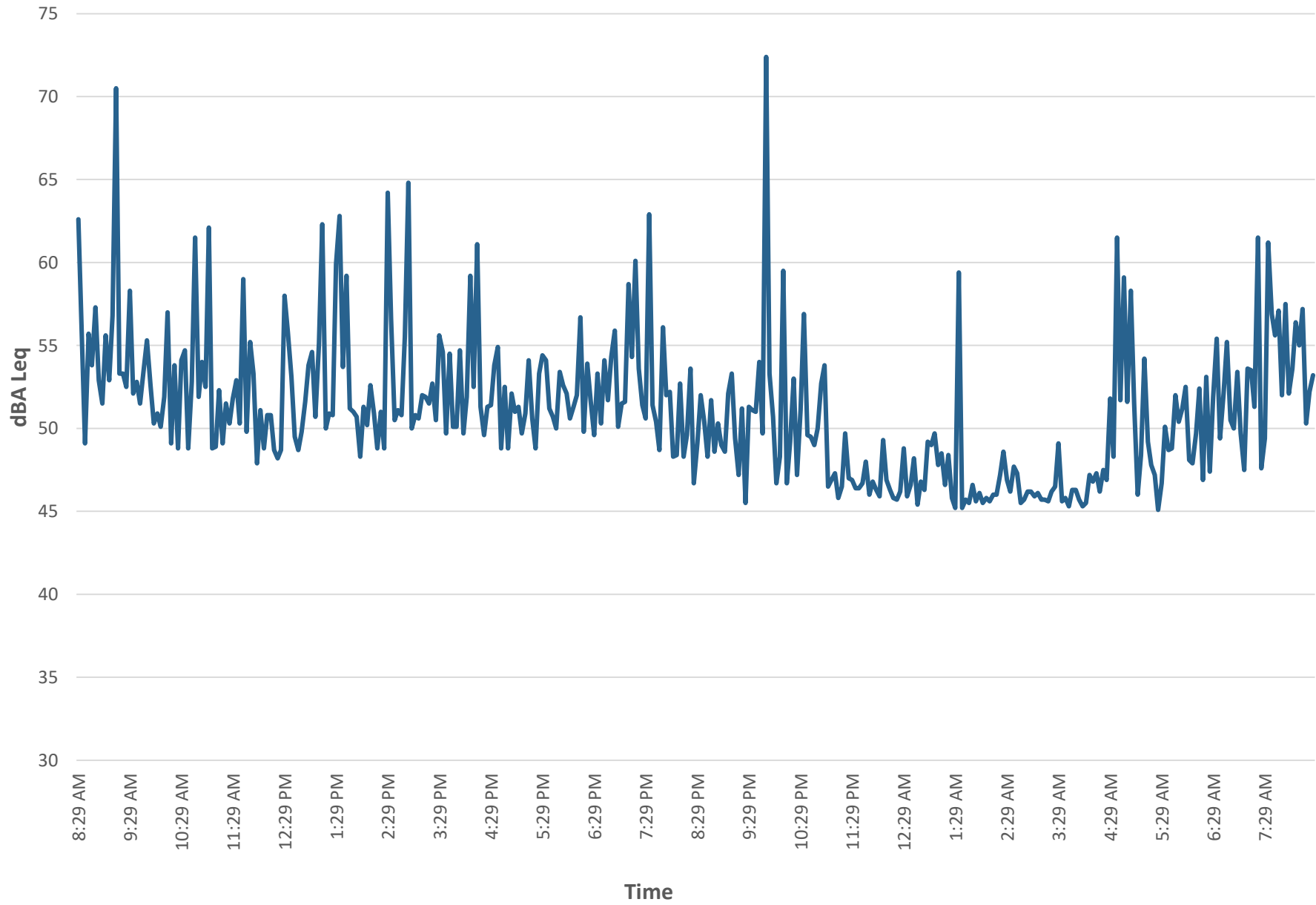
LT-1 - May 30 - 31, 2023



LT-2 - May 30-31, 2023



LT-3 - May 30 - 31, 2023



Construction Noise Modeling Outputs

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 06/19/2023
 Case Description: Building Construction

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Building Construction	Residential	55.0	45.0	45.0

Description	Equipment		Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
	Impact Device	Usage (%)				
Backhoe	No	40	80.0		50.0	0.0
Compactor (ground)	No	20	80.0		50.0	0.0
Crane	No	16	85.0		50.0	0.0
Dump Truck	No	40	84.0		50.0	0.0
Man Lift	No	20	85.0		50.0	0.0
Pumps	No	50	77.0		50.0	0.0
Slurry Trenching Machine	No	50	82.0		50.0	0.0
Welder / Torch	No	40	73.0		50.0	0.0
Man Lift	No	20	85.0		50.0	0.0

Results

Noise Limit Exceedance (dBA) Noise Limits (dBA)

Equipment	Night	Day	Calculated (dBA)		Day Night		Evening		
			Day	Evening	Day	Night	Lmax	Leq	Lmax
Backhoe			80.0	76.0	N/A	N/A	N/A	N/A	N/A
N/A			N/A	N/A	N/A	N/A			
Compactor (ground)			80.0	73.0	N/A	N/A	N/A	N/A	N/A
N/A			N/A	N/A	N/A	N/A			
Crane			85.0	77.0	N/A	N/A	N/A	N/A	N/A
N/A			N/A	N/A	N/A	N/A			

Dump Truck			84.0	80.0	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		
Man Lift			85.0	78.0	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Pumps			77.0	74.0	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Slurry Trenching Machine			82.0	79.0	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			73.0	69.0	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Man Lift			85.0	78.0	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	85.0	86.5	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 06/19/2023
 Case Description: Demo

**** Receptor #1 ****

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
Demo	Commercial	55.0	45.0	45.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40	80.0		50.0	0.0
Concrete Saw	No	20	90.0		50.0	0.0
Compressor (air)	No	40	80.0		50.0	0.0
Tractor	No	40	84.0		50.0	0.0
Compactor (ground)	No	20	80.0		50.0	0.0
Excavator	No	40	85.0		50.0	0.0
Front End Loader	No	40	80.0		50.0	0.0
Dump Truck	No	40	84.0		50.0	0.0

Results

Noise Limit Exceedance (dBA) Noise Limits (dBA)

Equipment	Night	Day	Calculated (dBA)		Day		Evening		Lmax
			Leq	Lmax	Night	Evening	Leq	Lmax	
Backhoe	N/A	N/A	80.0	76.0	N/A	N/A	N/A	N/A	N/A
Concrete Saw	N/A	N/A	90.0	83.0	N/A	N/A	N/A	N/A	N/A
Compressor (air)	N/A	N/A	80.0	76.0	N/A	N/A	N/A	N/A	N/A
Tractor	N/A	N/A	84.0	80.0	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 06/19/2023
 Case Description: Excavation

**** Receptor #1 ****

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Excavation	Residential	55.0	45.0	45.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Backhoe	No	40	80.0		50.0	0.0
Auger Drill Rig	No	20	85.0		50.0	0.0
Dozer	No	40	85.0		50.0	0.0
Excavator	No	40	85.0		50.0	0.0
Front End Loader	No	40	80.0		50.0	0.0
Front End Loader	No	40	80.0		50.0	0.0
Dump Truck	No	40	84.0		50.0	0.0
Scraper	No	40	85.0		50.0	0.0

Results

		Noise Limit Exceedance (dBA)				Noise Limits (dBA)			
Night	Day	Calculated (dBA)		Day Night	Evening				Lmax
		Lmax	Leq		Lmax	Leq	Lmax	Leq	
Equipment		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Backhoe	N/A	80.0	76.0	N/A	N/A	N/A	N/A	N/A	N/A
Auger Drill Rig	N/A	85.0	78.0	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	N/A	85.0	81.0	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	85.0	81.0	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 06/19/2023
 Case Description: Paving

**** Receptor #1 ****

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
Paving	Residential	55.0	45.0	45.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40	85.0		50.0	0.0
Paver	No	50	85.0		50.0	0.0
Pavement Scarafier	No	20	85.0		50.0	0.0
Compressor (air)	No	40	80.0		50.0	0.0
Vacuum Street Sweeper	No	10	80.0		50.0	0.0

Results

Noise Limit Exceedance (dBA) Noise Limits (dBA)

Equipment	Day		Calculated (dBA) Evening		Day Night		Evening		Night
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Concrete Mixer Truck	N/A	N/A	85.0	81.0	N/A	N/A	N/A	N/A	N/A
Paver	N/A	N/A	85.0	82.0	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	N/A	N/A	85.0	78.0	N/A	N/A	N/A	N/A	N/A
Compressor (air)	N/A	N/A	80.0	76.0	N/A	N/A	N/A	N/A	N/A
Vacuum Street Sweeper	N/A	N/A	80.0	70.0	N/A	N/A	N/A	N/A	N/A

Distance	Noise Level @ 50 ft	Residential Area to S of Neigh.		Residential Area to E along Camden Dr
		W	Residential Area to S of Neigh. E	
		175	205	195
Utility Relocation	88.8	77.919	76.544	76.979
Demolition	88.2	77.319	75.944	76.379
Excavation	88.2	77.319	75.944	76.379

Distance	Noise Level @ 50 ft	Residential Area to S of Neigh.		Residential Area to E along Camden Dr
		W	Residential Area to S of Neigh. E	
		95	95	195
Building Construction	86.5	80.925	80.925	74.679
Architectural Coating	76	70.425	70.425	64.179
Paving	86	80.425	80.425	74.179

Distance	Noise Level @ 50 ft	Residential Area to S of Neigh.		Residential Area to E along Camden Dr
		W	Residential Area to S of Neigh. E	
		95	95	195
Continuous Foundation Pour	83.8	78.225	78.225	71.979

Operational Noise Modeling

9600 Wilshire Project

Operational Noise Attenuation Calculations

Equipment	L1 (dBA)	Distance (ft)	L2 (dBA)	Distance (ft)	Noise Reduction? (Y/N)	Adjusted L2 (dBA)
<i>Residences to the South of Neighborhood West</i>						
HVAC unit	72	3	46.7	55	Y	41.7
Loading Dock	40	50	44.4	30	N	
<i>Residences to the South of Neighborhood East</i>						
HVAC unit	72	3	46.7	55	Y	41.7
Loading Dock	40	50	44.4	30		
<i>Residences to the East of Neighborhood East</i>						
HVAC unit	72	3	41.5	100	Y	36.5
Loading Dock	40	50	30.8	145	Y	20.8

Residences to the East

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 43
								Min => 37
								Max => 37
Day		10:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		11:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		12:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		13:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		14:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		15:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		16:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		17:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		18:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		19:00:00	01:00:00.0	36.5	4466.836	36.5	14125.37545	
Day		20:00:00	01:00:00.0	36.5	4466.836	36.5	14125.37545	
Day		21:00:00	01:00:00.0	36.5	4466.836	36.5	14125.37545	
Day		22:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		23:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		00:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		01:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		02:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		03:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		04:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		05:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		06:00:00	01:00:00.0	36.5	4466.836	36.5	44668.35922	
Day		07:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		08:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	
Day		09:00:00	01:00:00.0	36.5	4466.836	36.5	4466.835922	

Residences to the South

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 48
								Min => 42
								Max => 42
Day		10:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		11:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		12:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		13:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		14:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		15:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		16:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		17:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		18:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		19:00:00	01:00:00.0	41.7	14791.08	41.7	46773.51413	
Day		20:00:00	01:00:00.0	41.7	14791.08	41.7	46773.51413	
Day		21:00:00	01:00:00.0	41.7	14791.08	41.7	46773.51413	
Day		22:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		23:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		00:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		01:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		02:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		03:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		04:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		05:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		06:00:00	01:00:00.0	41.7	14791.08	41.7	147910.8388	
Day		07:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		08:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	
Day		09:00:00	01:00:00.0	41.7	14791.08	41.7	14791.08388	

Residences to the East

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 17
								Min => 0
								Max => 21
Day		10:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		11:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		12:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		13:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		14:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		15:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		16:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		17:00:00	01:00:00.0	0.0	1	0	1	
Day		18:00:00	01:00:00.0	0.0	1	0	1	
Day		19:00:00	01:00:00.0	0.0	1	0	3.16227766	
Day		20:00:00	01:00:00.0	0.0	1	0	3.16227766	
Day		21:00:00	01:00:00.0	0.0	1	0	3.16227766	
Day		22:00:00	01:00:00.0	0.0	1	0	10	
Day		23:00:00	01:00:00.0	0.0	1	0	10	
Day		00:00:00	01:00:00.0	0.0	1	0	10	
Day		01:00:00	01:00:00.0	0.0	1	0	10	
Day		02:00:00	01:00:00.0	0.0	1	0	10	
Day		03:00:00	01:00:00.0	0.0	1	0	10	
Day		04:00:00	01:00:00.0	0.0	1	0	10	
Day		05:00:00	01:00:00.0	0.0	1	0	10	
Day		06:00:00	01:00:00.0	0.0	1	0	10	
Day		07:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		08:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	
Day		09:00:00	01:00:00.0	20.8	120.2264	20.8	120.2264435	

Residences to the South

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 41
								Min => 0
								Max => 44
Day		10:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		11:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		12:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		13:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		14:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		15:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		16:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		17:00:00	01:00:00.0	0.0	1	0	1	
Day		18:00:00	01:00:00.0	0.0	1	0	1	
Day		19:00:00	01:00:00.0	0.0	1	0	3.16227766	
Day		20:00:00	01:00:00.0	0.0	1	0	3.16227766	
Day		21:00:00	01:00:00.0	0.0	1	0	3.16227766	
Day		22:00:00	01:00:00.0	0.0	1	0	10	
Day		23:00:00	01:00:00.0	0.0	1	0	10	
Day		00:00:00	01:00:00.0	0.0	1	0	10	
Day		01:00:00	01:00:00.0	0.0	1	0	10	
Day		02:00:00	01:00:00.0	0.0	1	0	10	
Day		03:00:00	01:00:00.0	0.0	1	0	10	
Day		04:00:00	01:00:00.0	0.0	1	0	10	
Day		05:00:00	01:00:00.0	0.0	1	0	10	
Day		06:00:00	01:00:00.0	0.0	1	0	10	
Day		07:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		08:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	
Day		09:00:00	01:00:00.0	44.4	27542.29	44.4	27542.28703	

	Source A	Source B	Source C	Total
Residences South	48	41		49
Residences East	43	17		43

Rooftop Terrace

Source	Number of Sources (same level)	Total	Distance	L2	Distance (ft)
24 feet	48		70	24	57 100

Residences Southeast of 9570 bldg

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 60
								Min => 41
								Max => 62
		10:00:00	01:00:00.0	53.0	199526.2	53	199526.2315	
		11:00:00	01:00:00.0	52.0	158489.3	52	158489.3192	
		12:00:00	01:00:00.0	52.0	158489.3	52	158489.3192	
		13:00:00	01:00:00.0	53.0	199526.2	53	199526.2315	
		14:00:00	01:00:00.0	57.0	501187.2	57	501187.2336	
		15:00:00	01:00:00.0	53.0	199526.2	53	199526.2315	
		16:00:00	01:00:00.0	55.0	316227.8	55	316227.766	
		17:00:00	01:00:00.0	62.0	1584893	62	1584893.192	
		18:00:00	01:00:00.0	62.0	1584893	62	1584893.192	
		19:00:00	01:00:00.0	62.0	1584893	62	5011872.336	
		20:00:00	01:00:00.0	62.0	1584893	62	5011872.336	
		21:00:00	01:00:00.0	62.0	1584893	62	5011872.336	
		22:00:00	01:00:00.0	46.0	39810.72	46	398107.1706	
		23:00:00	01:00:00.0	46.0	39810.72	46	398107.1706	
		00:00:00	01:00:00.0	44.0	25118.86	44	251188.6432	
		01:00:00	01:00:00.0	43.0	19952.62	43	199526.2315	
		02:00:00	01:00:00.0	41.0	12589.25	41	125892.5412	
		03:00:00	01:00:00.0	44.0	25118.86	44	251188.6432	
		04:00:00	01:00:00.0	44.0	25118.86	44	251188.6432	
		05:00:00	01:00:00.0	45.0	31622.78	45	316227.766	
		06:00:00	01:00:00.0	48.0	63095.73	48	630957.3445	
		07:00:00	01:00:00.0	53.0	199526.2	53	199526.2315	
		08:00:00	01:00:00.0	52.0	158489.3	52	158489.3192	
		09:00:00	01:00:00.0	51.0	125892.5	51	125892.5412	

Outdoor Dining Noise Calculations

Rooftop Terrace

Source	Number of Sources (same level)	Total	Distance	L2	Distance (ft)
24 feet 48	40	64	24	52.5	90

Residences Southwest on Peck

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 56
								Min => 41
								Max => 53
		10:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		11:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		12:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		13:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		14:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		15:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		16:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		17:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		18:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		19:00:00	01:00:00.0	52.5	177827.9	52.5	562341.3252	
		20:00:00	01:00:00.0	52.5	177827.9	52.5	562341.3252	
		21:00:00	01:00:00.0	52.5	177827.9	52.5	562341.3252	
		22:00:00	01:00:00.0	52.5	177827.9	52.5	1778279.41	
		23:00:00	01:00:00.0	52.5	177827.9	52.5	1778279.41	
		00:00:00	01:00:00.0	44.0	25118.86	44	251188.6432	
		01:00:00	01:00:00.0	43.0	19952.62	43	199526.2315	
		02:00:00	01:00:00.0	41.0	12589.25	41	125892.5412	
		03:00:00	01:00:00.0	44.0	25118.86	44	251188.6432	
		04:00:00	01:00:00.0	44.0	25118.86	44	251188.6432	
		05:00:00	01:00:00.0	45.0	31622.78	45	316227.766	
		06:00:00	01:00:00.0	52.5	177827.9	52.5	1778279.41	
		07:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		08:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	
		09:00:00	01:00:00.0	52.5	177827.9	52.5	177827.941	