

APPENDIX G NOISE DATA

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/07/2025

Case Description: Project No. 1 and 2 - Distance 117 (MM NOI-1)

**** Receptor #1 ****

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

Description	Equipment					
	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Backhoe	No	40	77.6	65.0	0.0	
Front End Loader	No	40	79.1	65.0	0.0	
Dump Truck	No	40	76.5	65.0	0.0	
Drum Mixer	No	50	80.0	65.0	0.0	
Vacuum Street Sweeper	No	10	81.6	65.0	0.0	
Paver	No	50	77.2	65.0	0.0	
Roller	No	20	80.0	65.0	0.0	
Concrete Mixer Truck	No	40	78.8	65.0	0.0	
Pneumatic Tools	No	50	85.2	65.0	0.0	
All Other Equipment > 5 HP	No	50	85.0	65.0	0.0	

Equipment Lmax Leq	Results						Noise Limits (dBA)						Noise Limit Exceedance (dBA)			
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night			
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
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Backhoe N/A	75.3	71.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Front End Loader N/A N/A	76.8	72.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dump Truck N/A N/A	74.2	70.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Drum Mixer N/A N/A	77.7	74.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Vacuum Street Sweeper N/A N/A	79.3	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		
Paver N/A	74.9	71.9	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 N/A	77.7	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		
Concrete Mixer Truck	76.5	72.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

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N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/22/2025
Case Description: Scenario 1

**** Receptor #1 ****

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

Description	Equipment					
	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Backhoe	No	40	77.6	117.0	0.0	
Front End Loader	No	40	79.1	117.0	0.0	
Dump Truck	No	40	76.5	117.0	0.0	
Drum Mixer	No	50	80.0	117.0	0.0	
Vacuum Street Sweeper	No	10	81.6	117.0	0.0	
Paver	No	50	77.2	117.0	0.0	
Roller	No	20	80.0	117.0	0.0	
Concrete Mixer Truck	No	40	78.8	117.0	0.0	
Pneumatic Tools	No	50	85.2	117.0	0.0	
All Other Equipment > 5 HP	No	50	85.0	117.0	0.0	

Equipment Lmax Leq	Results						Noise Limits (dBA)						Noise Limit Exceedance (dBA)			
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night			
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Backhoe N/A	70.2	66.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Front End Loader N/A N/A	71.7	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dump Truck N/A N/A	69.1	65.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Drum Mixer N/A N/A	72.6	69.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Vacuum Street Sweeper N/A N/A	74.2	64.2	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 N/A	69.8	66.8	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 N/A	72.6	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		
Concrete Mixer Truck	71.4	67.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

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Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/22/2025

Case Description: Project No. 1 and 2 - Distance 117 - Less than Significant with Mitigation Measures Incorporated

**** Receptor #1 ****

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

Description	Equipment					
	Impact	Spec Usage	Actual Lmax	Receptor Lmax	Estimated Distance	Shielding
	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
Backhoe	No	40	77.6	205.0	0.0	
Front End Loader	No	40	79.1	205.0	0.0	
Dump Truck	No	40	76.5	205.0	0.0	
Drum Mixer	No	50	80.0	205.0	0.0	
Vacuum Street Sweeper	No	10	81.6	205.0	0.0	
Paver	No	50	77.2	205.0	0.0	
Roller	No	20	80.0	205.0	0.0	
Concrete Mixer Truck	No	40	78.8	205.0	0.0	
Pneumatic Tools	No	50	85.2	205.0	0.0	
All Other Equipment > 5 HP	No	50	85.0	205.0	0.0	

Equipment Lmax Leq	Results						Noise Limits (dBA)						Noise Limit Exceedance (dBA)			
	Calculated (dBA)		Day		Evening		Night		Day		Evening		Night			
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Backhoe N/A	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		
Front End Loader N/A N/A	66.9	62.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dump Truck N/A N/A	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		
Drum Mixer N/A N/A	67.7	64.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Vacuum Street Sweeper N/A N/A	69.3	59.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Paver N/A	65.0	62.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Roller N/A	67.7	60.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Concrete Mixer Truck	66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

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Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 10/07/2025

Case Description: Project No. 3 - Distance 66.5 - Significant and Unavoidable

**** Receptor #1 ****

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

Description	Equipment					
	Impact Device	Spec Usage	Actual Lmax	Receptor Lmax	Estimated Distance	Shielding
		(%)	(dBA)	(dBA)	(feet)	(dBA)
Backhoe	No	40	77.6	66.5	0.0	
Front End Loader	No	40	79.1	66.5	0.0	
Dump Truck	No	40	76.5	66.5	0.0	
Excavator	No	40	80.7	66.5	0.0	
All Other Equipment > 5 HP	No	50	85.0	66.5	0.0	
Vacuum Street Sweeper	No	10	81.6	66.5	0.0	
Paver	No	50	77.2	66.5	0.0	
Roller	No	20	80.0	66.5	0.0	
Concrete Mixer Truck	No	40	78.8	66.5	0.0	
Paver	No	50	77.2	66.5	0.0	
Pneumatic Tools	No	50	85.2	66.5	0.0	

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Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 10/07/2025

Case Description: Project No. 3 - Distance 120 - Less than Significant with Mitigation Measures Incorporated

**** Receptor #1 ****

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

Description	Equipment					
	Impact	Spec Usage	Actual Lmax	Receptor Lmax	Estimated Distance	Shielding
	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
Backhoe	No	40	77.6	120.0	0.0	
Front End Loader	No	40	79.1	120.0	0.0	
Dump Truck	No	40	76.5	120.0	0.0	
Excavator	No	40	80.7	120.0	0.0	
All Other Equipment > 5 HP	No	50	85.0	120.0	0.0	
Vacuum Street Sweeper	No	10	81.6	120.0	0.0	
Paver	No	50	77.2	120.0	0.0	
Roller	No	20	80.0	120.0	0.0	
Concrete Mixer Truck	No	40	78.8	120.0	0.0	
Paver	No	50	77.2	120.0	0.0	
Pneumatic Tools	No	50	85.2	120.0	0.0	

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Report date: 10/07/2025
Case Description: Project No. 3 - Distance 210 - Less than Significant

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

Description	Impact Device	Spec Usage	Actual Lmax	Receptor Lmax	Estimated Distance	Shielding
		(%)	(dBA)	(dBA)	(feet)	(dBA)
Backhoe	No	40	77.6	210.0	0.0	
Front End Loader	No	40	79.1	210.0	0.0	
Dump Truck	No	40	76.5	210.0	0.0	
Excavator	No	40	80.7	210.0	0.0	
All Other Equipment > 5 HP	No	50	85.0	210.0	0.0	
Vacuum Street Sweeper	No	10	81.6	210.0	0.0	
Paver	No	50	77.2	210.0	0.0	
Roller	No	20	80.0	210.0	0.0	
Concrete Mixer Truck	No	40	78.8	210.0	0.0	
Paver	No	50	77.2	210.0	0.0	
Pneumatic Tools	No	50	85.2	210.0	0.0	

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Report date: 10/07/2025
Case Description: Shores Park - Scenario - Threshold

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

Description	Impact Device	Spec Usage	Actual Lmax	Receptor Lmax	Estimated Distance	Shielding
		(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40	81.7	260.0	0.0	
Excavator	No	40	80.7	260.0	0.0	
Backhoe	No	40	77.6	260.0	0.0	
Front End Loader	No	40	79.1	260.0	0.0	
Paver	No	50	77.2	260.0	0.0	
Roller	No	20	80.0	260.0	0.0	
Vacuum Street Sweeper	No	10	81.6	260.0	0.0	
Dump Truck	No	40	76.5	260.0	0.0	
Concrete Mixer Truck	No	40	78.8	260.0	0.0	

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