

## Appendix D

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### Construction Noise Modeling Results

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/8/2021

Case Description:

---- Receptor #1 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
1	Residential	40	40	40

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Excavator	No	40		80.7	50	0
Front End Loader	No	40		79.1	50	0
Scraper	No	40		83.6	50	0
Compactor (ground)	No	20		83.2	50	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening		
			Lmax		Lmax	Leq	
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	
Scraper	83.6	79.6	N/A	N/A	N/A	N/A	
Compactor (ground)	83.2	76.2	N/A	N/A	N/A	N/A	
Total	83.6	83.3	N/A	N/A	N/A	N/A	

\*Calculated Lmax is the Loudest value.