

# Appendix NOI

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Road Construction Noise Model Output

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 2/4/2021

Case Descr 2600 Moraga Road

---- Receptor #1 ----

		Baselines (dBA)		
Descriptor Land Use	Daytime	Evening	Night	
Nearest Dis Residential	75	75	75	

		Equipment				
		Spec	Actual	Receptor	Estimated	
Description	Impact Device	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Dozer	No	40	81.7	50	0	
Front End Loader	No	40	79.1	50	0	

Results

		Calculated (dBA)		Noise Limits (dBA)				
				Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	
Total	81.7	79.6	N/A	N/A	N/A	N/A	N/A	

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Descriptor Land Use	Daytime	Evening	Night	
Average Dis Residential	75	75	75	

		Equipment				
		Spec	Actual	Receptor	Estimated	
Description	Impact Device	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Dozer	No	40	81.7	235	0	
Front End Loader	No	40	79.1	235	0	

Results

		Calculated (dBA)		Noise Limits (dBA)				
				Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Dozer	68.2	64.2	N/A	N/A	N/A	N/A	N/A	
Front End Loader	65.7	61.7	N/A	N/A	N/A	N/A	N/A	
Total	68.2	66.2	N/A	N/A	N/A	N/A	N/A	

\*Calculated Lmax is the Loudest value.

Noise Limit Exceedance (dBA)

	Day		Evening		Night	
	Leq	Lmax	Leq	Lmax	Leq	Lmax
	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	N/A	N/A	N/A	N/A	N/A

Noise Limit Exceedance (dBA)

	Day		Evening		Night	
	Leq	Lmax	Leq	Lmax	Leq	Lmax
	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	N/A	N/A	N/A	N/A	N/A