

Appendix H. Noise Data

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Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 02/26/2025
Case Description: OC River Walk

**** Receptor #1 ****

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
Hotel	Residential	55.0	50.0	45.0

Equipment

	Impact	Usage	Spec	Actual	Receptor	Estimated
Description	Device	(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
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Tractor	No	40	84.0		50.0	0.0
Excavator	No	40		80.7	50.0	0.0
Grader	No	40	85.0		50.0	0.0
Scraper	No	40		83.6	50.0	0.0
Compactor (ground)	No	20		83.2	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Night		Day	Calculated (dBA)		Day Night	Evening			
			Evening						
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Lmax
Tractor	N/A	N/A	N/A	84.0	80.0	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	N/A	80.7	76.7	N/A	N/A	N/A	N/A
Grader	N/A	N/A	N/A	85.0	81.0	N/A	N/A	N/A	N/A
Scraper	N/A	N/A	N/A	83.6	79.6	N/A	N/A	N/A	N/A
Compactor (ground)	N/A	N/A	N/A	83.2	76.2	N/A	N/A	N/A	N/A

	Total	85.0	86.1	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: 03/03/2025
Case Description: OC River Walk - Pile Driving

**** Receptor #1 ****

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
Hotel	Residential	65.0	60.0	55.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Impact Pile Driver	Yes	20		101.3	50.0	0.0
Crane	No	16		80.6	50.0	0.0
Tractor	No	40	84.0		50.0	0.0
Front End Loader	No	40		79.1	50.0	0.0
Tractor	No	40	84.0		50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

[illegible]

	Total	101.3	94.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A			