

APPENDIX H - NOISE

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/4/2022
 Case Description: **Bellota Weir Modifications Project**

Description Construction
 Affected Land Use Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Backhoe	No	40		77.6	750	0
Backhoe	No	40		77.6	750	0
Backhoe	No	40		77.6	750	0
Excavator	No	40		80.7	750	0
Excavator	No	40		80.7	750	0
Grader	No	40	85		750	0
Crane	No	16		80.6	750	0
Generator	No	50		80.6	750	0
Roller	No	20		80	750	0
Compactor (ground)	No	20		83.2	750	0
Impact Pile Driver	Yes	20		101.3	750	0
Impact Pile Driver	Yes	20		101.3	750	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Backhoe	54	50.1
Backhoe	54	50.1
Backhoe	54	50.1
Excavator	57.2	53.2
Excavator	57.2	53.2
Grader	61.5	57.5
Crane	57	49.1
Generator	57.1	54.1
Roller	56.5	49.5
Compactor (ground)	59.7	52.7
Impact Pile Driver	77.7	70.8
Impact Pile Driver	77.7	70.8
Total	77.7	74.1

*Calculated Lmax is the Loudest value.