

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/29/2018

Case Descrip: Tujunga Bridge - Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Northwest	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	1320	0
Dozer	No	40		81.7	1320	0
Backhoe	No	40		77.6	1320	0
Backhoe	No	40		77.6	1320	0
Backhoe	No	40		77.6	1320	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax
Concrete Saw	61.1	54.2	N/A	N/A	N/A	N/A	N/A
Dozer	53.2	49.3	N/A	N/A	N/A	N/A	N/A
Backhoe	49.1	45.1	N/A	N/A	N/A	N/A	N/A
Backhoe	49.1	45.1	N/A	N/A	N/A	N/A	N/A
Backhoe	49.1	45.1	N/A	N/A	N/A	N/A	N/A
Total	61.1	56.5	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

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Case Descrip Tujunga Bridge - Grading_Earthwork

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Northwest	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		1320	0
Dozer	No	40		81.7	1320	0
Backhoe	No	40		77.6	1320	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax
Grader	56.6	52.6	N/A	N/A	N/A	N/A	N/A
Dozer	53.2	49.3	N/A	N/A	N/A	N/A	N/A
Backhoe	49.1	45.1	N/A	N/A	N/A	N/A	N/A
Total	56.6	54.7	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/29/2018

Case Descrip Tujunga Bridge - Grading_Soil Export

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Northwest	Residential	1	1	1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		1320	0
Dozer	No	40		81.7	1320	0
Backhoe	No	40		77.6	1320	0

Equipment	Calculated (dBA)		Noise Limits (dBA)				
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax
Grader	56.6	52.6	N/A	N/A	N/A	N/A	N/A
Dozer	53.2	49.3	N/A	N/A	N/A	N/A	N/A
Backhoe	49.1	45.1	N/A	N/A	N/A	N/A	N/A
Total	56.6	54.7	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

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Case Descript Tujunga Bridge - Building Construction

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Northwest	Residential	1	1	1

		Equipment				
Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	1320	0
Generator	No	50		80.6	1320	0
All Other Equipment > 5 HI	No	50	85		1320	0
Backhoe	No	40		77.6	1320	0
Welder / Torch	No	40		74	1320	0
Welder / Torch	No	40		74	1320	0
Welder / Torch	No	40		74	1320	0

		Results						
		Calculated (dBA)			Noise Limits (dBA)			
Equipment	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	
Crane	52.1	44.2	N/A	N/A	N/A	N/A	N/A	
Generator	52.2	49.2	N/A	N/A	N/A	N/A	N/A	
All Other Equipment > 5 HI	56.6	53.6	N/A	N/A	N/A	N/A	N/A	
Backhoe	49.1	45.1	N/A	N/A	N/A	N/A	N/A	
Welder / Torch	45.6	41.6	N/A	N/A	N/A	N/A	N/A	
Welder / Torch	45.6	41.6	N/A	N/A	N/A	N/A	N/A	
Welder / Torch	45.6	41.6	N/A	N/A	N/A	N/A	N/A	
Total	56.6	56.1	N/A	N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

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Case Descrip: Tujung Bridge - Paving

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Northwest	Residential	1	1	1

		Equipment				
		Spec	Actual	Receptor	Estimated	
		Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Concrete Mixer Truck	No	40		78.8	1320	0
Paver	No	50		77.2	1320	0
All Other Equipment > 5 ft	No	50	85		1320	0
Roller	No	20		80	1320	0
Backhoe	No	40		77.6	1320	0

		Results						
		Calculated (dBA)			Noise Limits (dBA)			
				Day				Night
Equipment		*Lmax	Leq	Lmax	Leq	Evening	Leq	Lmax
Concrete Mixer Truck		50.4	46.4	N/A	N/A	N/A	N/A	N/A
Paver		48.8	45.8	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 ft		56.6	53.6	N/A	N/A	N/A	N/A	N/A
Roller		51.6	44.6	N/A	N/A	N/A	N/A	N/A
Backhoe		49.1	45.1	N/A	N/A	N/A	N/A	N/A
	Total	56.6	55.7	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.