

## **APPENDIX J – ROADWAY CONSTRUCTION NOISE MODEL PRINTOUTS**



## Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 11/21/2019  
 Case Description: Otay Lakes Campground - Demolition

### ---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Offsite Worker	Industrial	50	50	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Concrete Saw	No	20		89.6	900	0
Tractor	No	40		84	950	0

Equipment	Calculated (dBA)		Results			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Concrete Saw	64.5	57.5	N/A	N/A	N/A	N/A
Tractor	58.4	54.4	N/A	N/A	N/A	N/A
<b>Total</b>	<b>64.5</b>	<b>59.2</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total - Leq 12 hour</b>		<b>57</b>				

\*Calculated Lmax is the Loudest value.

**Roadway Construction Noise Model (RCNM), Version 1.1**

Report date: 11/21/2019  
 Case Description: Otay Lakes Campground - Site Preparation

**---- Receptor #1 ----**

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Offsite Worker	Industrial	50	50	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Tractor	No	40	84	84	300	0
Tractor	No	40	84	84	350	0
Tractor	No	40	84	84	400	0
Tractor	No	40	84	84	450	0

Equipment	Calculated (dBA)		Results			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Tractor	68.4	64.5	N/A	N/A	N/A	N/A
Tractor	67.1	63.1	N/A	N/A	N/A	N/A
Tractor	65.9	62.0	N/A	N/A	N/A	N/A
Tractor	64.9	61	N/A	N/A	N/A	N/A
Total	68.4	68.8	N/A	N/A	N/A	N/A
<b>Total - Leq 12 hour</b>		<b>67</b>				

\*Calculated Lmax is the Loudest value.

**Roadway Construction Noise Model (RCNM), Version 1.1**

Report date: 11/21/2019  
 Case Description: Otay Lakes Campground - Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Offsite Worker	Industrial	50	50	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	300	0
Gradall	No	40		83.4	350	0
Gradall	No	40		83.4	400	0
Gradall	No	40		83.4	450	0
Tractor	No	40	84		500	0
Tractor	No	40	84		550	0
Tractor	No	40	84		600	0
Generator	No	50.0		80.6	650	0
Welder / Torch	No	40.0		74	700	0
Compressor (air)	No	40.0		77.7	750	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Crane	65.0	57.0	N/A	N/A	N/A	N/A
Gradall	66.5	62.5	N/A	N/A	N/A	N/A
Gradall	65.3	61.4	N/A	N/A	N/A	N/A
Gradall	64.3	60.3	N/A	N/A	N/A	N/A
Tractor	64.0	60.0	N/A	N/A	N/A	N/A
Tractor	63.2	59.2	N/A	N/A	N/A	N/A
Tractor	62.4	58.4	N/A	N/A	N/A	N/A
Generator	58.4	55.3	N/A	N/A	N/A	N/A
Welder / Torch	51.1	47.1	N/A	N/A	N/A	N/A
Compressor (air)	54.1	50.2	N/A	N/A	N/A	N/A
Total	66.5	68.9	N/A	N/A	N/A	N/A
<b>Total - Leq 12 hour</b>		<b>67</b>				

\*Calculated Lmax is the Loudest value.