

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/17/2020

Case Description: Site Preparation

---- Receptor #1 ----

**Description**      **Land Use**  
 Residence            Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)
			Spec Lmax (dBA)	Actual Lmax (dBA)	
Flat Bed Truck	No	40		74.3	85
Grader	No	40	85		85
Backhoe	No	40		77.6	85

**Calculated (dBA)**

Equipment	*Lmax	Leq
Flat Bed Truck	69.6	65.7
Grader	80.4	76.4
Backhoe	73	69
<b>Total</b>	<b>80.4</b>	<b>77.4</b>

\*Calculated Lmax is the Loudest value.

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Case Description: Grading

---- Receptor #1 ----

**Description**      **Land Use**  
 Residence          Residential

Description	Equipment		Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
	Impact Device	Usage(%)			
Concrete Saw	No	20		89.6	85
Dozer	No	40		81.7	85
Backhoe	No	40		77.6	85
Backhoe	No	40		77.6	85

**Calculated (dBA)**

Equipment	*Lmax	Leq
Concrete Saw	85	78
Dozer	77.1	73.1
Backhoe	73	69
Backhoe	73	69
<b>Total</b>	<b>85</b>	<b>80</b>

\*Calculated Lmax is the Loudest value.