

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 2/21/2024
Case Description: Site Preparation

Description **Land Use**
 Site Preparation Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)
			Spec Lmax (dBA)	Actual Lmax (dBA)	
Dozer	No	40		81.7	380
Dozer	No	40		81.7	380
Dozer	No	40		81.7	380
Tractor	No	40	84		380
Tractor	No	40	84		380
Tractor	No	40	84		380
Tractor	No	40	84		380

Calculated (dBA)

Equipment	*Lmax	Leq
Dozer	64.1	60.1
Dozer	64.1	60.1
Dozer	64.1	60.1
Tractor	66.4	62.4
Tractor	66.4	62.4
Tractor	66.4	62.4
Tractor	66.4	62.4
Total	66.4	70

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 2/21/2024
Case Description: Grading

Description **Land Use**
 Grading Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)
			Spec Lmax (dBA)	Actual Lmax (dBA)	
Grader	No	40	85		380
Excavator	No	40		80.7	380
Dozer	No	40		81.7	380
Tractor	No	40	84		380
Tractor	No	40	84		380
Tractor	No	40	84		380
Dozer	No	40		81.7	380

Calculated (dBA)

Equipment	*Lmax	Leq
Grader	67.4	63.4
Excavator	63.1	59.1
Dozer	64.1	60.1
Tractor	66.4	62.4
Tractor	66.4	62.4
Tractor	66.4	62.4
Dozer	64.1	60.1
Total	67.4	70.1

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 2/21/2024
Case Description: Paving and Painting

Description **Land Use**
Paving and Painting Residential

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)
			Spec Lmax (dBA)	Actual Lmax (dBA)	
Paver	No	50		77.2	380
Paver	No	50		77.2	380
Pavement Scarafier	No	20		89.5	380
Pavement Scarafier	No	20		89.5	380
Roller	No	20		80	380
Roller	No	20		80	380
Compressor (air)	No	40		77.7	380

Calculated (dBA)

Equipment	*Lmax	Leq
Paver	59.6	56.6
Paver	59.6	56.6
Pavement Scarafier	71.9	64.9
Pavement Scarafier	71.9	64.9
Roller	62.4	55.4
Roller	62.4	55.4
Compressor (air)	60.1	56.1
Total	71.9	69.1

*Calculated Lmax is the Loudest value.