

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 11/05/2020  
 Case Description: 1953 Concourse Dr

\*\*\*\* Receptor #1 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residence	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	1900.0	0.0
Excavator	No	40		80.7	1900.0	0.0
Dozer	No	40		81.7	1900.0	0.0

Results

Noise Limit Exceedance (dBA)										Noise Limits (dBA)	
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Night	Day		Calculated (dBA)		Day		Evening		Lmax		
	L10	Lmax	Lmax	L10	Lmax	L10	Lmax	L10			
Concrete Saw	N/A	N/A	58.0	54.0	N/A	N/A	N/A	N/A	N/A		
Excavator	N/A	N/A	49.1	48.1	N/A	N/A	N/A	N/A	N/A		
Dozer	N/A	N/A	50.1	49.1	N/A	N/A	N/A	N/A	N/A		
		Total	58.0	56.0	N/A	N/A	N/A	N/A	N/A		

\*\*\*\* Receptor #2 \*\*\*\*

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Industrial	Industrial	60.0	60.0	60.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	190.0	0.0
Excavator	No	40		80.7	190.0	0.0
Dozer	No	40		81.7	190.0	0.0

Results

Noise Limit Exceedance (dBA) Noise Limits (dBA)

Equipment	Night	Day	Calculated (dBA)		Day		Evening		Lmax
			Lmax	L10	Day	Night	Lmax	L10	
Concrete Saw	N/A	N/A	78.0	74.0	N/A	N/A	N/A	N/A	N/A
Excavator	N/A	N/A	69.1	68.1	N/A	N/A	N/A	N/A	N/A
Dozer	N/A	N/A	70.1	69.1	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	N/A	N/A	<b>78.0</b>	<b>76.0</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>