

APPENDIX D

Noise Modeling

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 4/17/2018
 Case Description: Bluebird Canyon_Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 30'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	30	0
Man Lift	No	20		74.7	50	0

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Evening Lmax	Night Lmax	Leq	Leq	Leq
Compressor (air)	82.1	78.1	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	74.7	67.7	N/A	N/A	N/A	N/A	N/A	N/A
Total	82.1	78.5	N/A	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: 4/17/2018
 Case Description: Bluebird Canyon_Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 30'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	30	0
Dump Truck	No	40		76.5	40	0
Tractor	No	40	84		50	0

Equipment	Results							
	Calculated (dBA)				Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Evening Lmax	Night Lmax	Leq	Leq	Leq
Excavator	84	78.1	N/A	N/A	N/A	N/A	N/A	N/A
Dump Truck	76.5	67.7	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84	78.5	N/A	N/A	N/A	N/A	N/A	N/A

Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Excavator	85.1	81.2	N/A	N/A	N/A	N/A	N/A
Dump Truck	78.4	74.4	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Total	85.1	84.1	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 4/17/2018
Case Description: Bluebird Canyon_Facility Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 30'	Residential	65	60	55

Description	Device	Impact	Usage(%)	Equipment			
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No		40		78.8	30	0
Pumps	No		50		80.9	50	0
Man Lift	No		20		74.7	40	0

Results

Equipment	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Lmax	Day Leq	Evening Leq	Night Lmax	
Concrete Mixer Truck	83.2	79.3	N/A	N/A	N/A	N/A	N/A
Pumps	80.9	77.9	N/A	N/A	N/A	N/A	N/A
Man Lift	76.6	69.6	N/A	N/A	N/A	N/A	N/A
Total	83.2	81.9	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: 4/17/2018
Case Description: Bluebird Canyon_Site Prep

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 30'	Residential	65	60	55

Equipment			
Spec	Actual	Receptor	Estimated

Description	Impact Device	Usage(%)	Lmax	Lmax	Distance	Shielding
			(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	30	0
Tractor	No	40	84		50	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening	Leq	Night
			Lmax		Lmax		Lmax
Excavator	85.1	81.2	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Total	85.1	83.6	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: 4/17/2018
Case Description: Bluebird Canyon_Trenching

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receiver 30'	Residential	65	60	55

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	30	0
Tractor	No	40	84		50	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day	Leq	Evening	Leq	Night
			Lmax		Lmax		Lmax
Excavator	85.1	81.2	N/A	N/A	N/A	N/A	N/A
Tractor	84	80	N/A	N/A	N/A	N/A	N/A
Total	85.1	83.6	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

