

APPENDIX C

NOISE DATA

ON-SITE TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Name: Snowcreek Master Plan EIR

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Source of Traffic Volumes: LSA, 2007
 Community Noise Descriptor: L_{dn}: X CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Analysis Condition				Design		Vehicle Mix		Distance from Centerline of Roadway			
Roadway Name		Median	ADT	Speed	Alpha	Medium	Heavy	Ldn at	Distance to Contour		
Roadway Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 Ldn	65 Ldn	60 Ldn

Existing (Winter 2005) Conditions

Minaret Road											
South of Old Mammoth R	2	0	1,885	35	0.5	0.5%	1.0%	50.5	-	-	23
Old Mammoth Road											
West of Minaret Road	2	0	4,234	35	0.5	0.5%	1.0%	54.0	-	18	40
East of Minaret Road	2	0	5,000	35	0.5	0.5%	1.0%	54.7	-	21	44

Cumulative (Existing Plus Approved Projects) Conditions

Minaret Road											
South of Meridian	2	0	1,846	35	0.5	0.5%	1.0%	50.4	-	-	23
Old Mammoth Road											
West of Minaret Road	2	0	5,466	35	0.5	0.5%	1.0%	55.1	-	22	47
Minaret to Meridian	2	0	5,979	35	0.5	0.5%	1.0%	55.5	-	23	50

Cumulative Plus Project Conditions

Minaret Road											
South of Meridian	2	0	9,550	35	0.5	0.5%	1.0%	57.5	15	32	68
Old Mammoth Road											
West of Minaret Road	2	0	5,929	35	0.5	0.5%	1.0%	55.4	-	23	50
Minaret to Meridian	2	0	11,080	35	0.5	0.5%	1.0%	58.2	16	35	75

¹ Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway lanes.

OFF-SITE TRAFFIC NOISE LEVELS

Project Name: 2006 Revised Snowcreek Master Plan

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Analysis Scenario(s): Existing and Future Traffic Noise Levels
 Source of Traffic Volumes: LSA,2007
 Community Noise Descriptor: L_{dn}: X CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition					Peak		Design	Dist. from		Barrier	Vehicle Mix ²		Peak Hou	24-Hour
Roadway Name				Median	Hour	ADT	Speed	Center to	Alpha	Attn.	Medium	Heavy	dB(A)	dB(A)
Roadway Segment	Land Use	Lanes	Width	Volume	Volume	Volume	(mph)	Receptor ¹	Factor	dB(A)	Trucks	Trucks	L _{eq}	L _{dn}
Existing (Winter 2005) Conditions														
Minaret Road														
Meridian to Main Street	SFR	2	12	0		6,983	35	190	0.5	0	0.5%	1.0%	0.0	54.0
South of Meridian Blvd.	SFR	2	12	0		4,049	35	60	0.5	0	0.5%	1.0%	0.0	59.3
North of Old Mammoth Rd.	Residential	2	12	0		4,829	35	40	0.5	0	0.5%	1.0%	0.0	62.9
Old Mammoth Road														
North of Meridian	Residential	2	12	0		12,489	35	50	0.5	0	0.5%	2.0%	0.0	66.3
South of Meridian Blvd.	Residential	2	0	0		7,381	35	210	0.5	0	0.5%	2.0%	0.0	54.4
East of Minaret Rd.	Residential	2	0	0		5,000	35	200	0.5	0	0.5%	2.0%	0.0	53.1
West of Minaret Rd.	Residential	2	0	0		4,234	35	40	0.5	0	0.5%	2.0%	0.0	62.9
Existing (Winter 2005) Plus Project Conditions														
Minaret Road														
Meridian to Main Street	SFR	2	12	0		10,850	35	190	0.5	0	0.5%	1.0%	0.0	55.9
South of Meridian Blvd.	SFR	2	12	0		9,599	35	60	0.5	0	0.5%	1.0%	0.0	63.0
North of Old Mammoth Rd.	Residential	2	12	0		10,379	35	40	0.5	0	0.5%	1.0%	0.0	66.2
Old Mammoth Road														
North of Meridian	Residential	2	12	0		15,558	35	50	0.5	0	0.5%	2.0%	0.0	67.2
South of Meridian Blvd.	Residential	2	0	0		11,361	35	210	0.5	0	0.5%	2.0%	0.0	56.3
East of Minaret Rd.	Residential	2	0	0		10,101	35	200	0.5	0	0.5%	2.0%	0.0	56.1
West of Minaret Rd.	Residential	2	0	0		4,697	35	40	0.5	0	0.5%	2.0%	0.0	63.4
Cumulative Baseline Conditions														
Minaret Road														
Meridian to Main Street	SFR	2	0	0		7,963	35	190	0.5	0	0.5%	1.0%	0.0	54.6
South of Meridian Blvd.	SFR	2	0	0		5,901	35	60	0.5	0	0.5%	1.0%	0.0	60.8
North of Old Mammoth Rd.	Residential	2	0	0		5,888	35	40	0.5	0	0.5%	1.0%	0.0	63.5
Old Mammoth Road														
North of Meridian	Residential	2	0	0		18,178	35	50	0.5	0	0.5%	2.0%	0.0	67.8
South of Meridian Blvd.	Residential	2	0	0		9,411	35	210	0.5	0	0.5%	2.0%	0.0	55.5
East of Minaret Rd.	Residential	2	0	0		5,979	35	200	0.5	0	0.5%	2.0%	0.0	53.8
West of Minaret Rd.	Residential	2	0	0		5,466	35	40	0.5	0	0.5%	2.0%	0.0	64.0
Cumulative Plus Project Conditions														