

Mammoth Lake Zoning Code

Draft EIR

Appendix D, Noise Data Worksheets

D.1 Ambient Noise Data

D.2 Traffic Noise Calculation

Appendix D.1
Ambient Noise Data

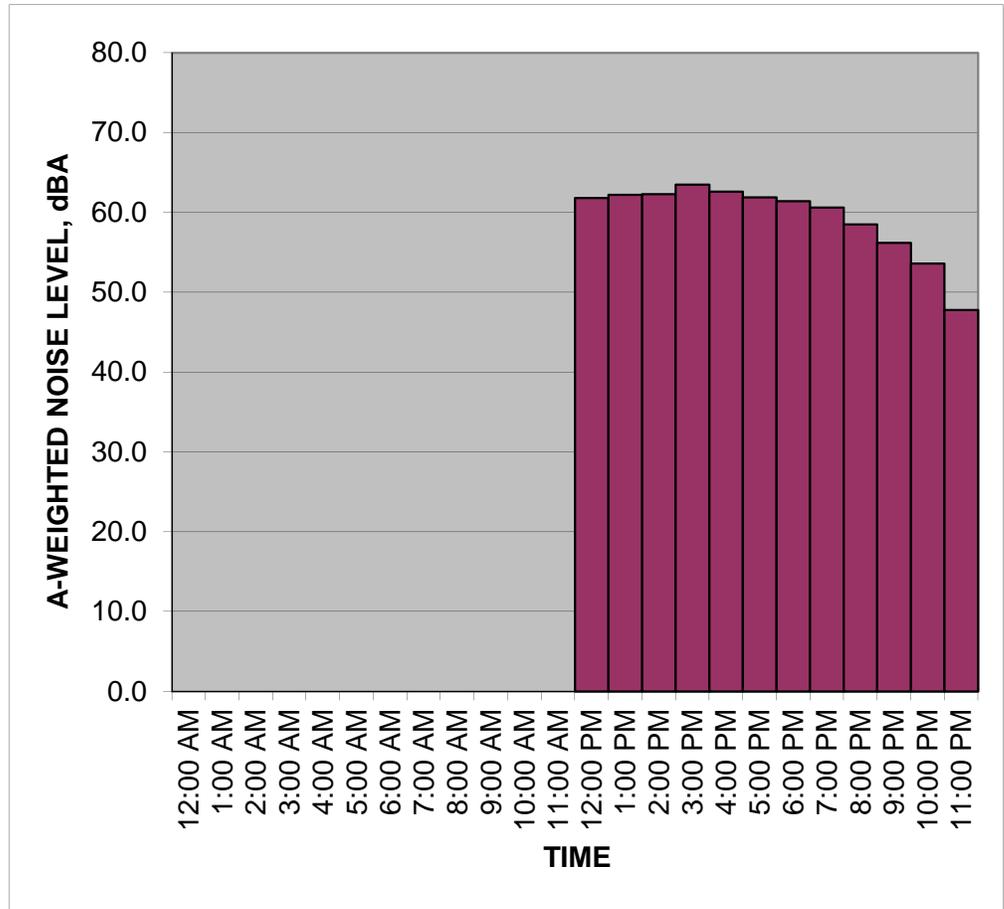
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L1
 Sources: Ambient

Date: August 20, 2015

TIME	HNL, dB(A)
12:00 AM	0.0
1:00 AM	0.0
2:00 AM	0.0
3:00 AM	0.0
4:00 AM	0.0
5:00 AM	0.0
6:00 AM	0.0
7:00 AM	0.0
8:00 AM	0.0
9:00 AM	0.0
10:00 AM	0.0
11:00 AM	0.0
12:00 PM	61.8
1:00 PM	62.2
2:00 PM	62.3
3:00 PM	63.5
4:00 PM	62.6
5:00 PM	61.9
6:00 PM	61.4
7:00 PM	60.6
8:00 PM	58.5
9:00 PM	56.2
10:00 PM	53.6
11:00 PM	47.8
CNEL, dB(A):	62.6



NOTES:

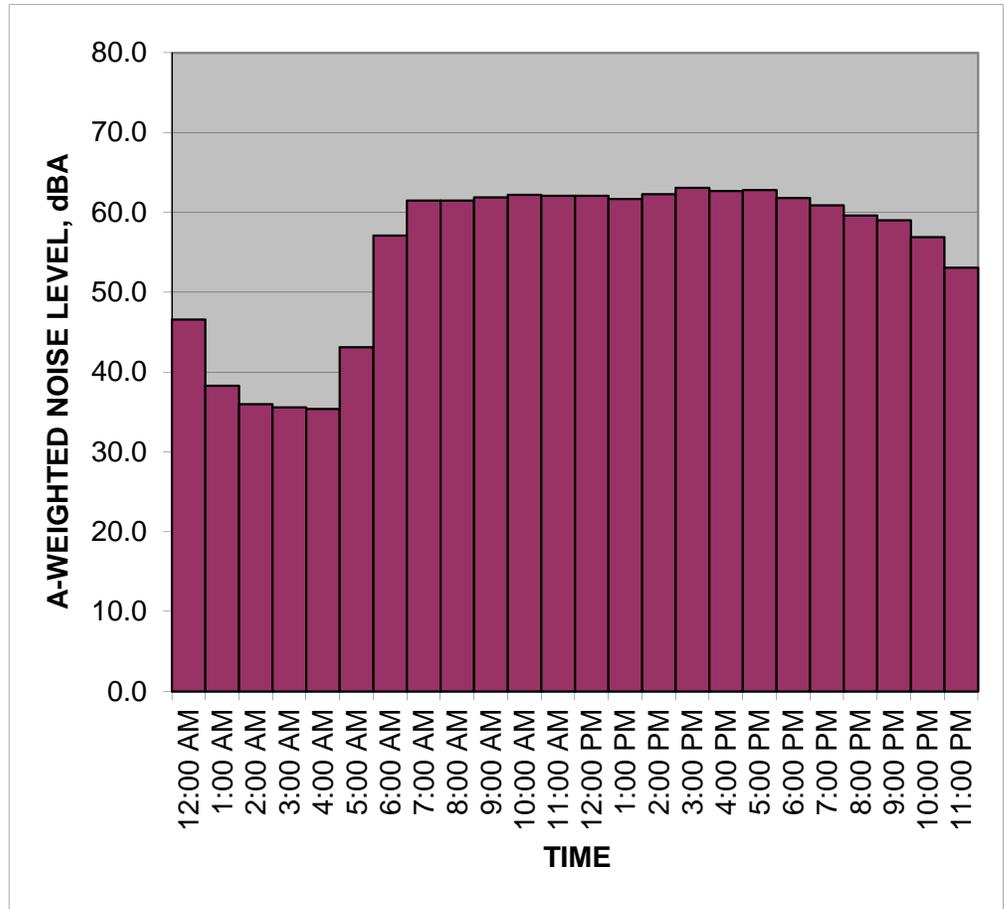
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L1
 Sources: Ambient

Date: August 21, 2015

TIME	HNL, dB(A)
12:00 AM	46.6
1:00 AM	38.3
2:00 AM	36.0
3:00 AM	35.6
4:00 AM	35.4
5:00 AM	43.1
6:00 AM	57.1
7:00 AM	61.5
8:00 AM	61.5
9:00 AM	61.9
10:00 AM	62.2
11:00 AM	62.1
12:00 PM	62.1
1:00 PM	61.7
2:00 PM	62.3
3:00 PM	63.1
4:00 PM	62.7
5:00 PM	62.8
6:00 PM	61.8
7:00 PM	60.9
8:00 PM	59.6
9:00 PM	59.0
10:00 PM	56.9
11:00 PM	53.1
CNEL, dB(A):	62.4



NOTES:

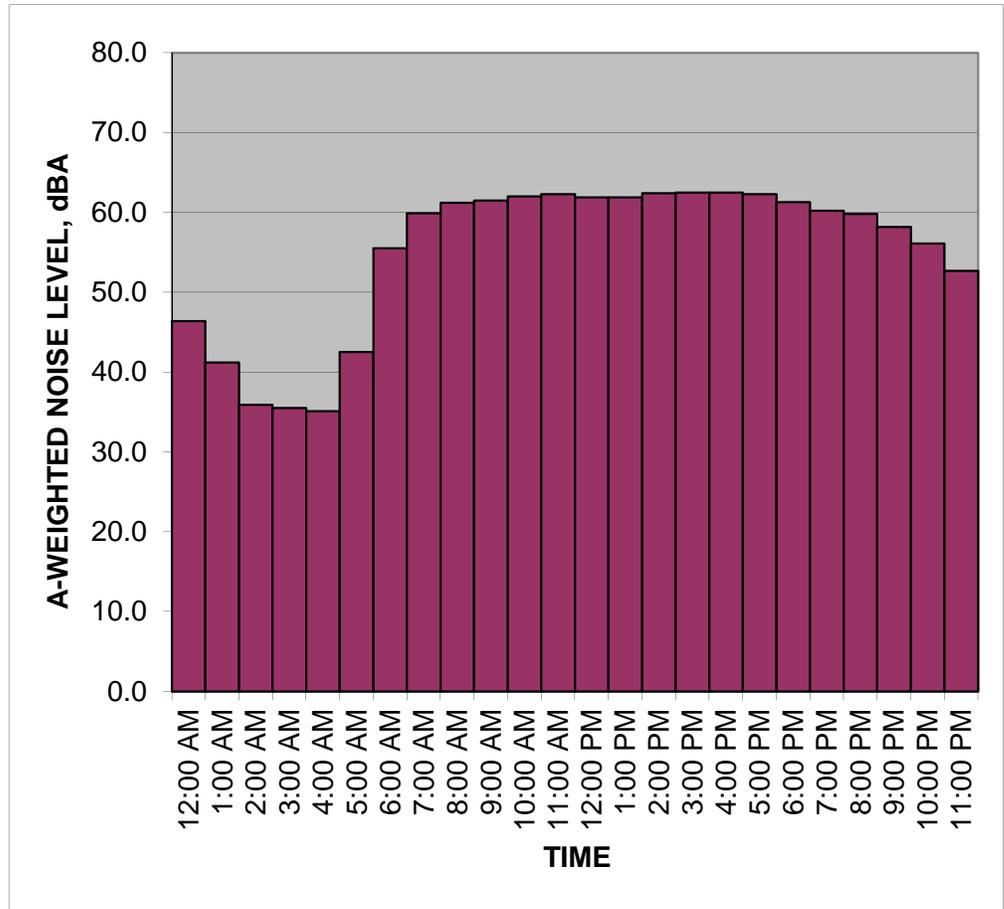
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L1
 Sources: Ambient

Date: August 22, 2015

TIME	HNL, dB(A)
12:00 AM	46.4
1:00 AM	41.2
2:00 AM	35.9
3:00 AM	35.5
4:00 AM	35.1
5:00 AM	42.5
6:00 AM	55.5
7:00 AM	59.9
8:00 AM	61.2
9:00 AM	61.5
10:00 AM	62.0
11:00 AM	62.3
12:00 PM	61.9
1:00 PM	61.9
2:00 PM	62.4
3:00 PM	62.5
4:00 PM	62.5
5:00 PM	62.3
6:00 PM	61.3
7:00 PM	60.2
8:00 PM	59.8
9:00 PM	58.2
10:00 PM	56.1
11:00 PM	52.7
CNEL, dB(A):	61.9



NOTES:

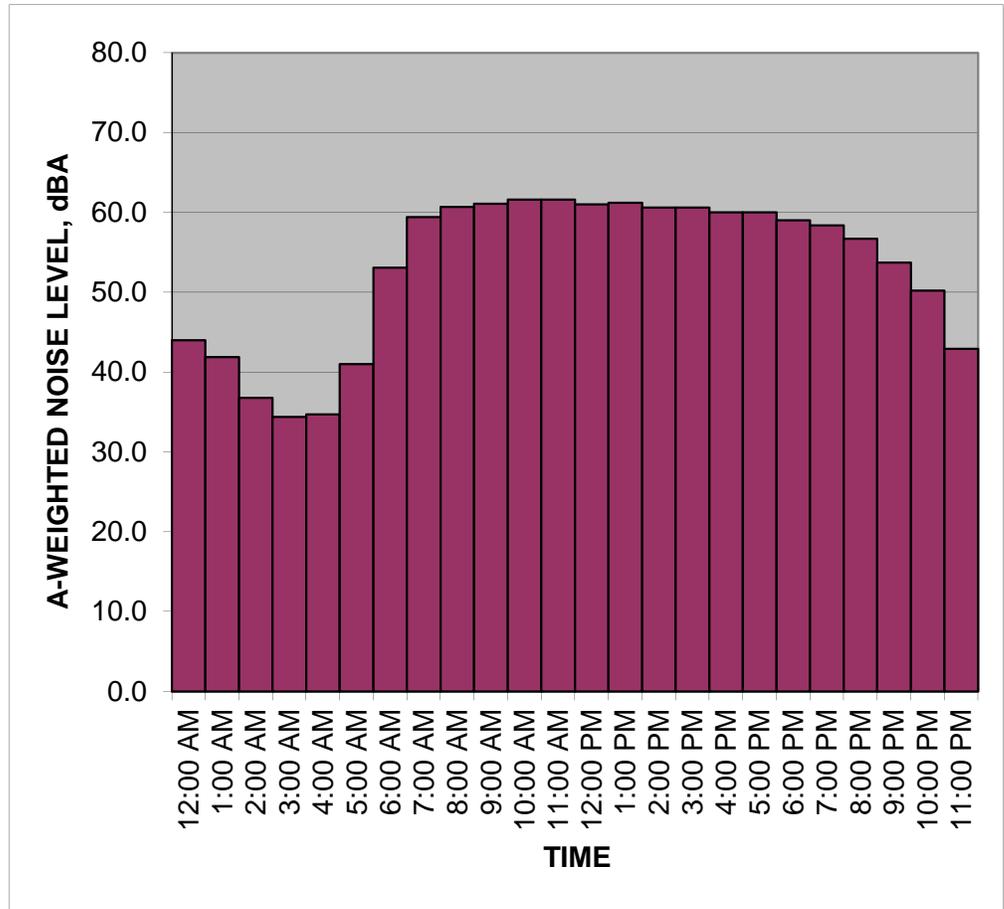
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L1
 Sources: Ambient

Date: August 23, 2015

TIME	HNL, dB(A)
12:00 AM	44.0
1:00 AM	41.9
2:00 AM	36.8
3:00 AM	34.4
4:00 AM	34.7
5:00 AM	41.0
6:00 AM	53.1
7:00 AM	59.4
8:00 AM	60.7
9:00 AM	61.1
10:00 AM	61.6
11:00 AM	61.6
12:00 PM	61.0
1:00 PM	61.2
2:00 PM	60.6
3:00 PM	60.6
4:00 PM	60.0
5:00 PM	60.0
6:00 PM	59.0
7:00 PM	58.4
8:00 PM	56.7
9:00 PM	53.7
10:00 PM	50.2
11:00 PM	42.9
CNEL, dB(A):	59.7



NOTES:

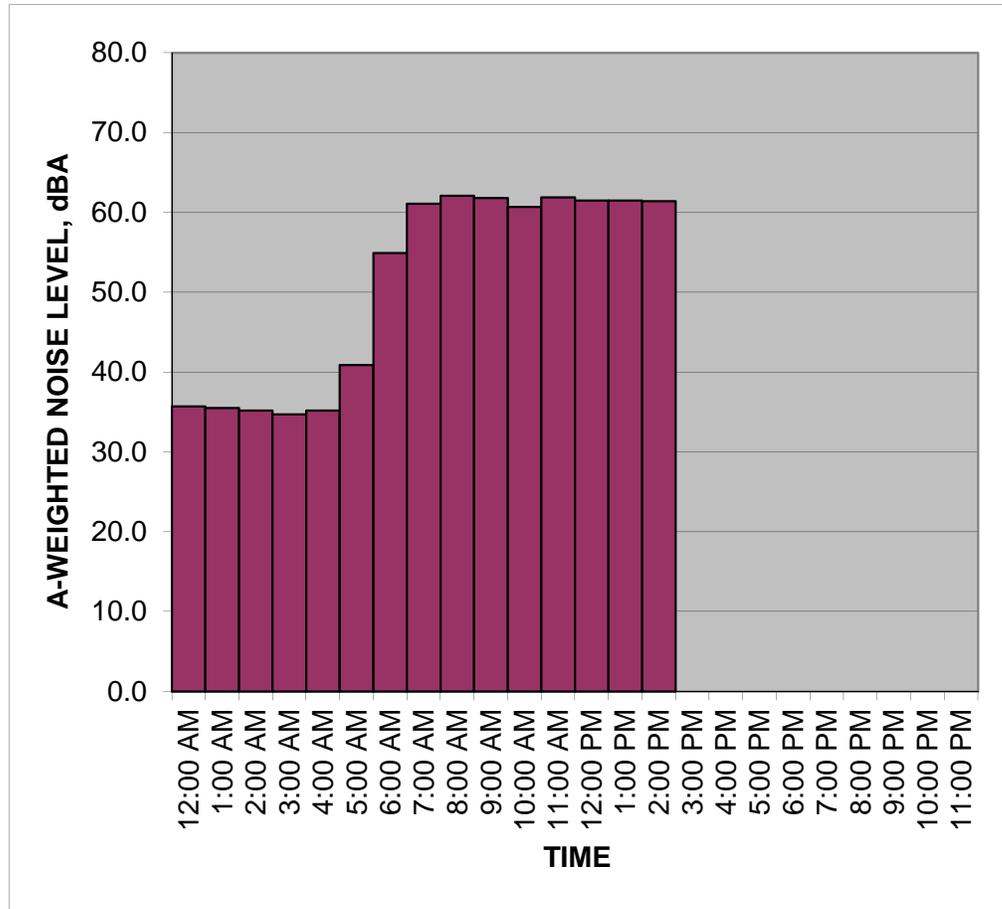
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L1
 Sources: Ambient

Date: August 24, 2015

TIME	HNL, dB(A)
12:00 AM	35.7
1:00 AM	35.5
2:00 AM	35.2
3:00 AM	34.7
4:00 AM	35.2
5:00 AM	40.9
6:00 AM	54.9
7:00 AM	61.1
8:00 AM	62.1
9:00 AM	61.8
10:00 AM	60.7
11:00 AM	61.9
12:00 PM	61.5
1:00 PM	61.5
2:00 PM	61.4
3:00 PM	0.0
4:00 PM	0.0
5:00 PM	0.0
6:00 PM	0.0
7:00 PM	0.0
8:00 PM	0.0
9:00 PM	0.0
10:00 PM	0.0
11:00 PM	0.0
CNEL, dB(A):	59.9



NOTES:

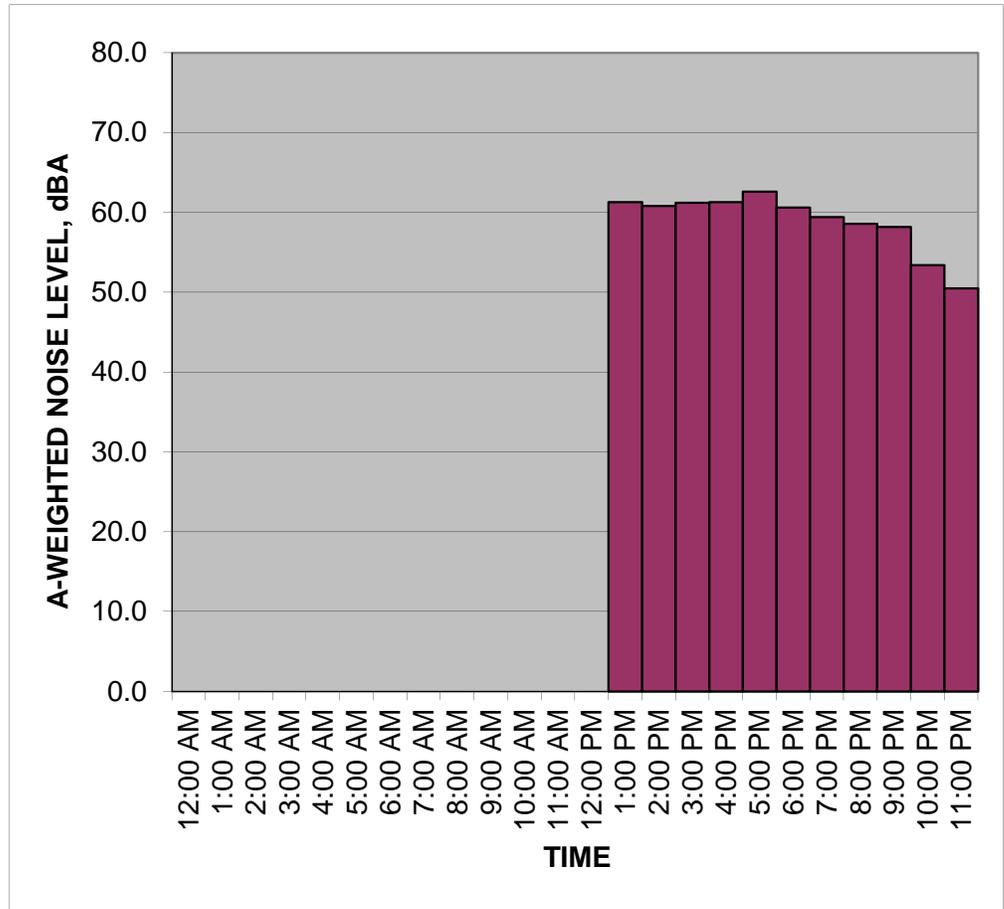
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L2
 Sources: Ambient

Date: August 20, 2015

TIME	HNL, dB(A)
12:00 AM	0.0
1:00 AM	0.0
2:00 AM	0.0
3:00 AM	0.0
4:00 AM	0.0
5:00 AM	0.0
6:00 AM	0.0
7:00 AM	0.0
8:00 AM	0.0
9:00 AM	0.0
10:00 AM	0.0
11:00 AM	0.0
12:00 PM	0.0
1:00 PM	61.3
2:00 PM	60.8
3:00 PM	61.2
4:00 PM	61.3
5:00 PM	62.6
6:00 PM	60.6
7:00 PM	59.4
8:00 PM	58.6
9:00 PM	58.2
10:00 PM	53.4
11:00 PM	50.5
CNEL, dB(A):	62.3



NOTES:

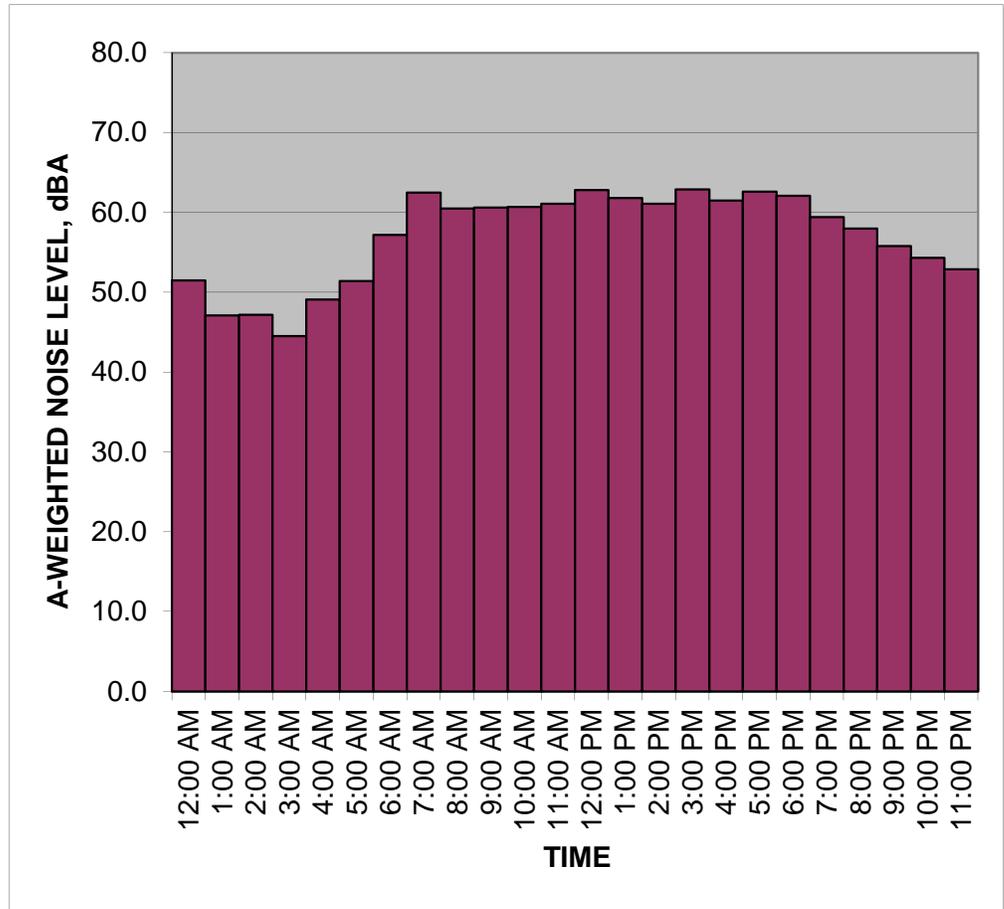
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L2
 Sources: Ambient

Date: August 21, 2015

TIME	HNL, dB(A)
12:00 AM	51.5
1:00 AM	47.1
2:00 AM	47.2
3:00 AM	44.5
4:00 AM	49.1
5:00 AM	51.4
6:00 AM	57.2
7:00 AM	62.5
8:00 AM	60.5
9:00 AM	60.6
10:00 AM	60.7
11:00 AM	61.1
12:00 PM	62.8
1:00 PM	61.8
2:00 PM	61.1
3:00 PM	62.9
4:00 PM	61.5
5:00 PM	62.6
6:00 PM	62.1
7:00 PM	59.4
8:00 PM	58.0
9:00 PM	55.8
10:00 PM	54.3
11:00 PM	52.9
CNEL, dB(A):	62.1



NOTES:

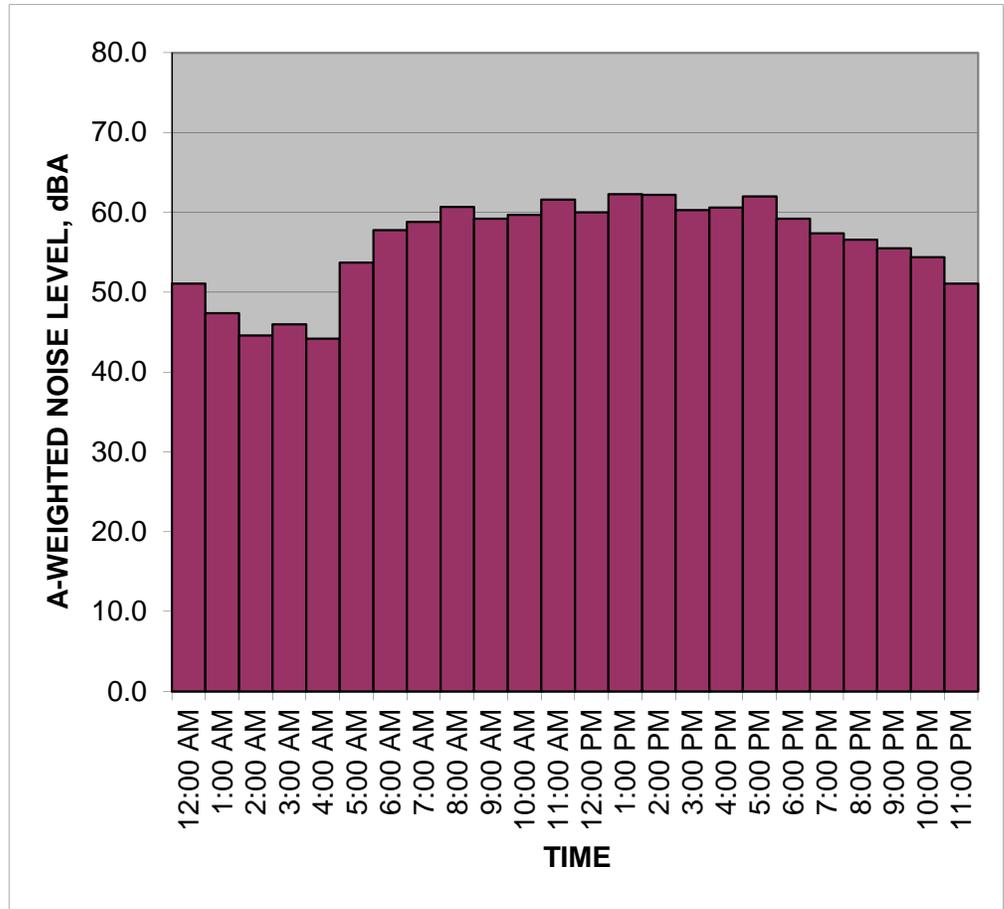
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L2
 Sources: Ambient

Date: August 22, 2015

TIME	HNL, dB(A)
12:00 AM	51.1
1:00 AM	47.4
2:00 AM	44.6
3:00 AM	46.0
4:00 AM	44.2
5:00 AM	53.7
6:00 AM	57.8
7:00 AM	58.8
8:00 AM	60.7
9:00 AM	59.2
10:00 AM	59.7
11:00 AM	61.6
12:00 PM	60.0
1:00 PM	62.3
2:00 PM	62.2
3:00 PM	60.3
4:00 PM	60.6
5:00 PM	62.0
6:00 PM	59.2
7:00 PM	57.4
8:00 PM	56.6
9:00 PM	55.5
10:00 PM	54.4
11:00 PM	51.1
CNEL, dB(A):	61.5



NOTES:

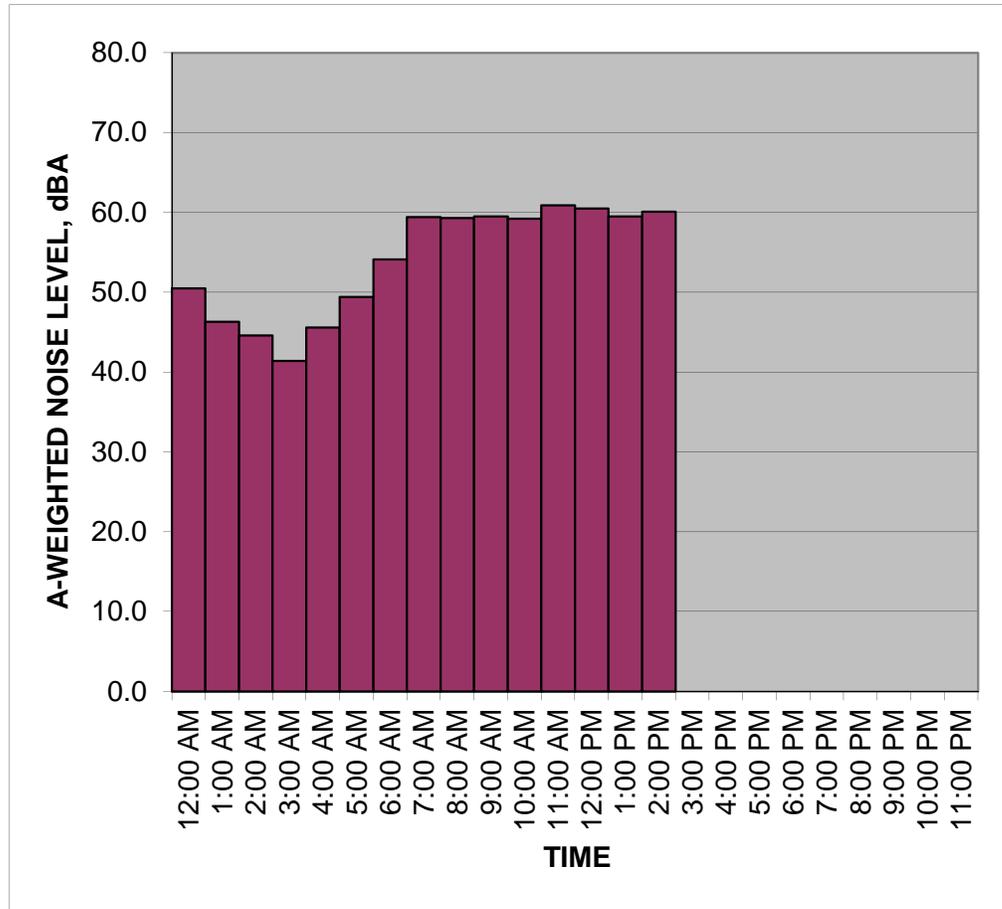
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L2
 Sources: Ambient

Date: August 23, 2015

TIME	HNL, dB(A)
12:00 AM	50.5
1:00 AM	46.3
2:00 AM	44.6
3:00 AM	41.4
4:00 AM	45.6
5:00 AM	49.4
6:00 AM	54.1
7:00 AM	59.4
8:00 AM	59.3
9:00 AM	59.5
10:00 AM	59.2
11:00 AM	60.9
12:00 PM	60.5
1:00 PM	59.5
2:00 PM	60.1
3:00 PM	0.0
4:00 PM	0.0
5:00 PM	0.0
6:00 PM	0.0
7:00 PM	0.0
8:00 PM	0.0
9:00 PM	0.0
10:00 PM	0.0
11:00 PM	0.0
CNEL, dB(A):	59.5



NOTES:

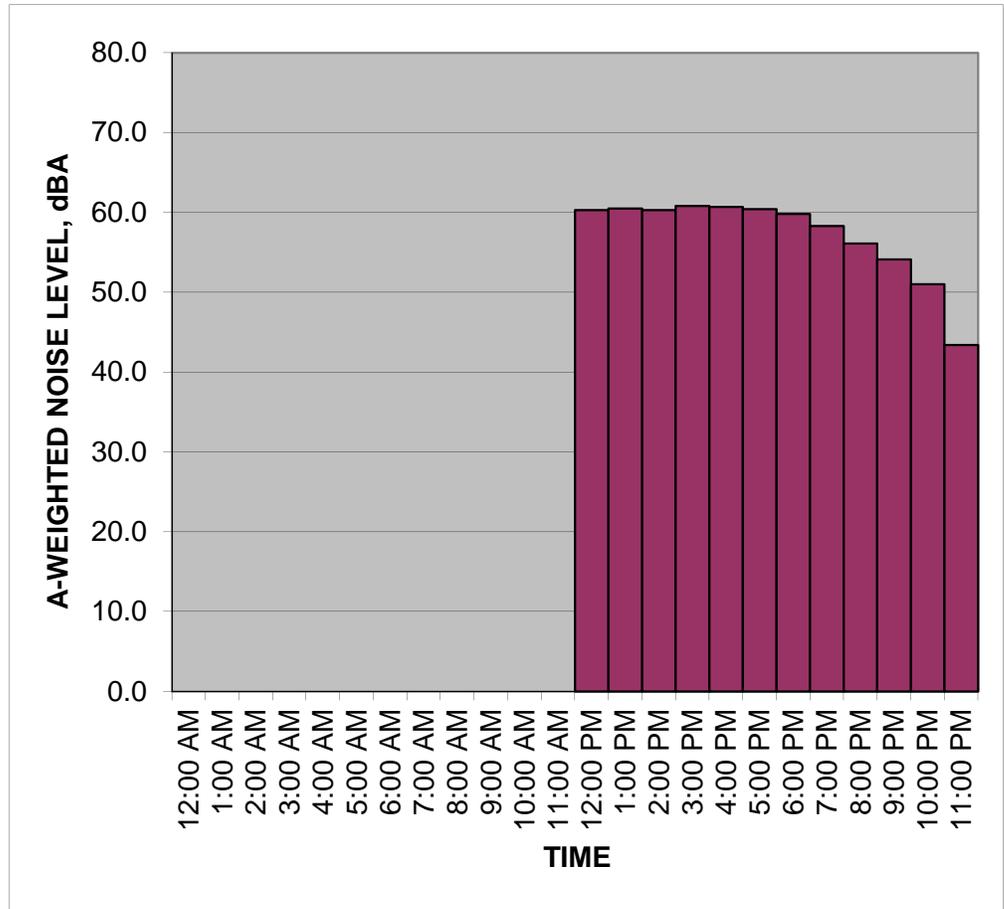
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L3
 Sources: Ambient

Date: August 26, 2015

TIME	HNL, dB(A)
12:00 AM	0.0
1:00 AM	0.0
2:00 AM	0.0
3:00 AM	0.0
4:00 AM	0.0
5:00 AM	0.0
6:00 AM	0.0
7:00 AM	0.0
8:00 AM	0.0
9:00 AM	0.0
10:00 AM	0.0
11:00 AM	0.0
12:00 PM	60.3
1:00 PM	60.5
2:00 PM	60.3
3:00 PM	60.8
4:00 PM	60.7
5:00 PM	60.4
6:00 PM	59.8
7:00 PM	58.3
8:00 PM	56.1
9:00 PM	54.1
10:00 PM	51.0
11:00 PM	43.4
CNEL, dB(A):	60.5



NOTES:

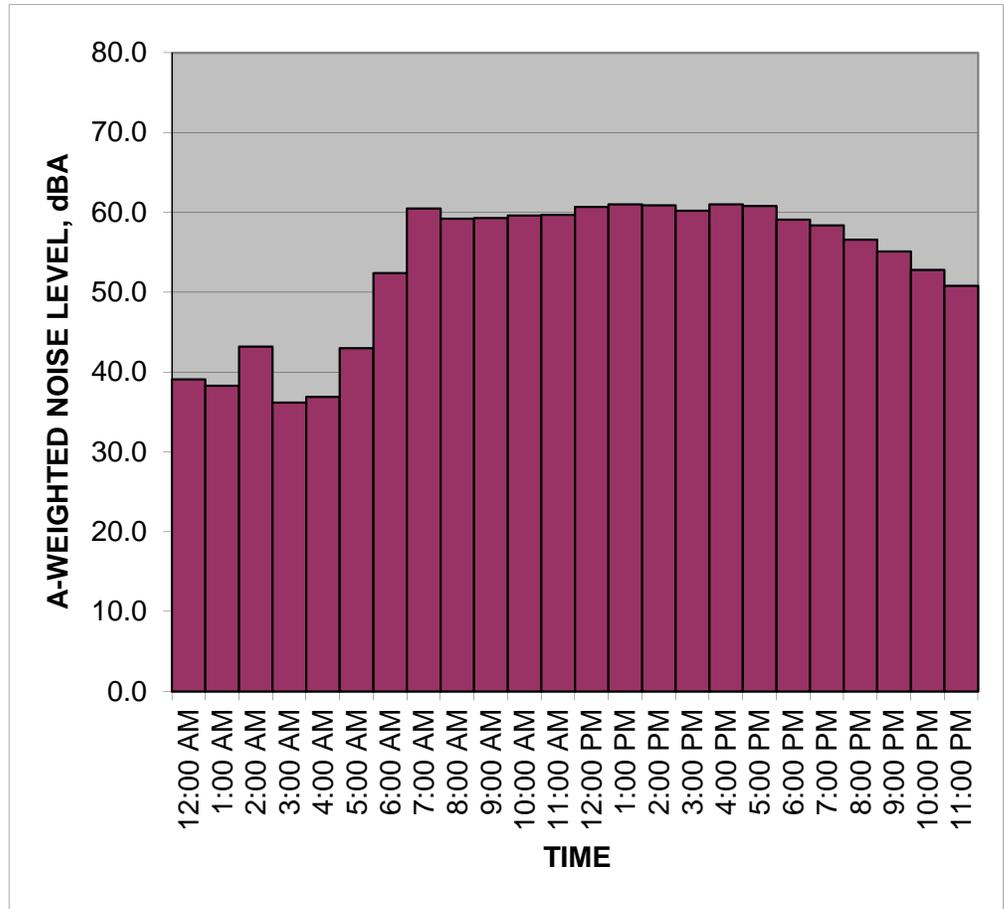
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L3
 Sources: Ambient

Date: August 27, 2015

TIME	HNL, dB(A)
12:00 AM	39.1
1:00 AM	38.3
2:00 AM	43.2
3:00 AM	36.2
4:00 AM	36.9
5:00 AM	43.0
6:00 AM	52.4
7:00 AM	60.5
8:00 AM	59.2
9:00 AM	59.3
10:00 AM	59.6
11:00 AM	59.7
12:00 PM	60.7
1:00 PM	61.0
2:00 PM	60.9
3:00 PM	60.2
4:00 PM	61.0
5:00 PM	60.8
6:00 PM	59.1
7:00 PM	58.4
8:00 PM	56.6
9:00 PM	55.1
10:00 PM	52.8
11:00 PM	50.8
CNEL, dB(A):	59.8



NOTES:

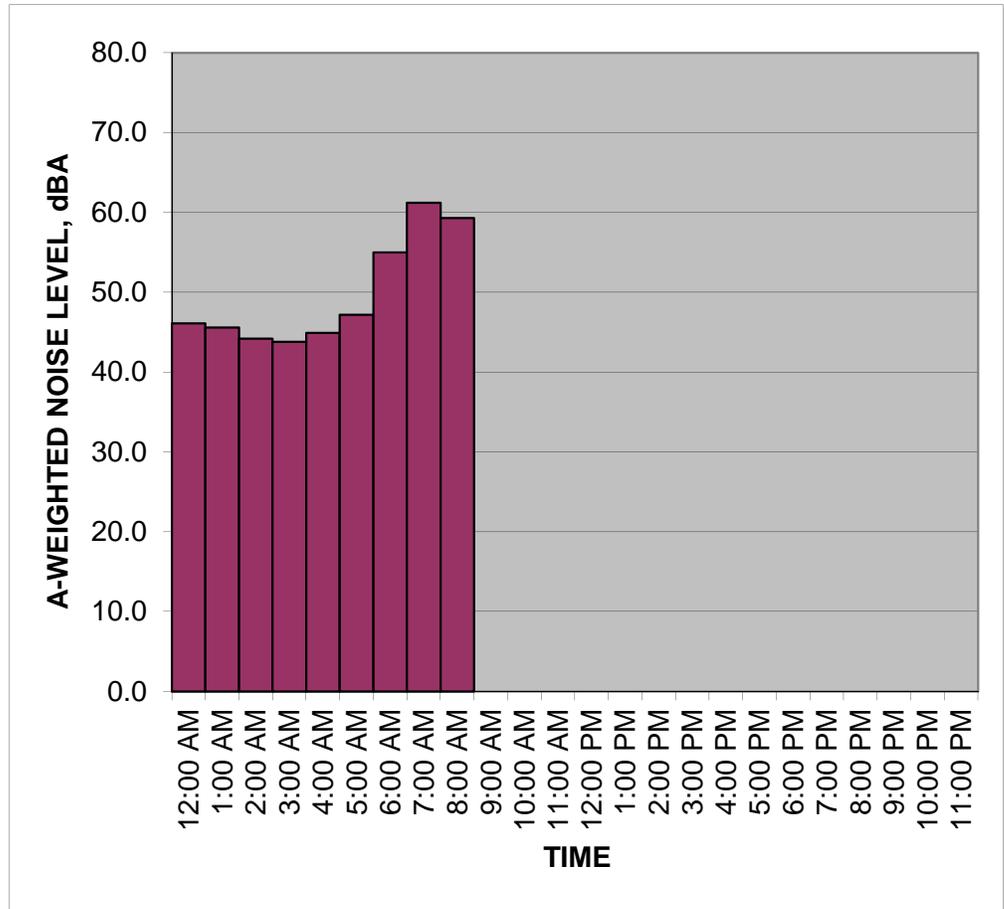
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L3
 Sources: Ambient

Date: August 28, 2015

TIME	HNL, dB(A)
12:00 AM	46.1
1:00 AM	45.6
2:00 AM	44.2
3:00 AM	43.8
4:00 AM	44.9
5:00 AM	47.2
6:00 AM	55.0
7:00 AM	61.2
8:00 AM	59.3
9:00 AM	0.0
10:00 AM	0.0
11:00 AM	0.0
12:00 PM	0.0
1:00 PM	0.0
2:00 PM	0.0
3:00 PM	0.0
4:00 PM	0.0
5:00 PM	0.0
6:00 PM	0.0
7:00 PM	0.0
8:00 PM	0.0
9:00 PM	0.0
10:00 PM	0.0
11:00 PM	0.0
CNEL, dB(A):	59.2



NOTES:

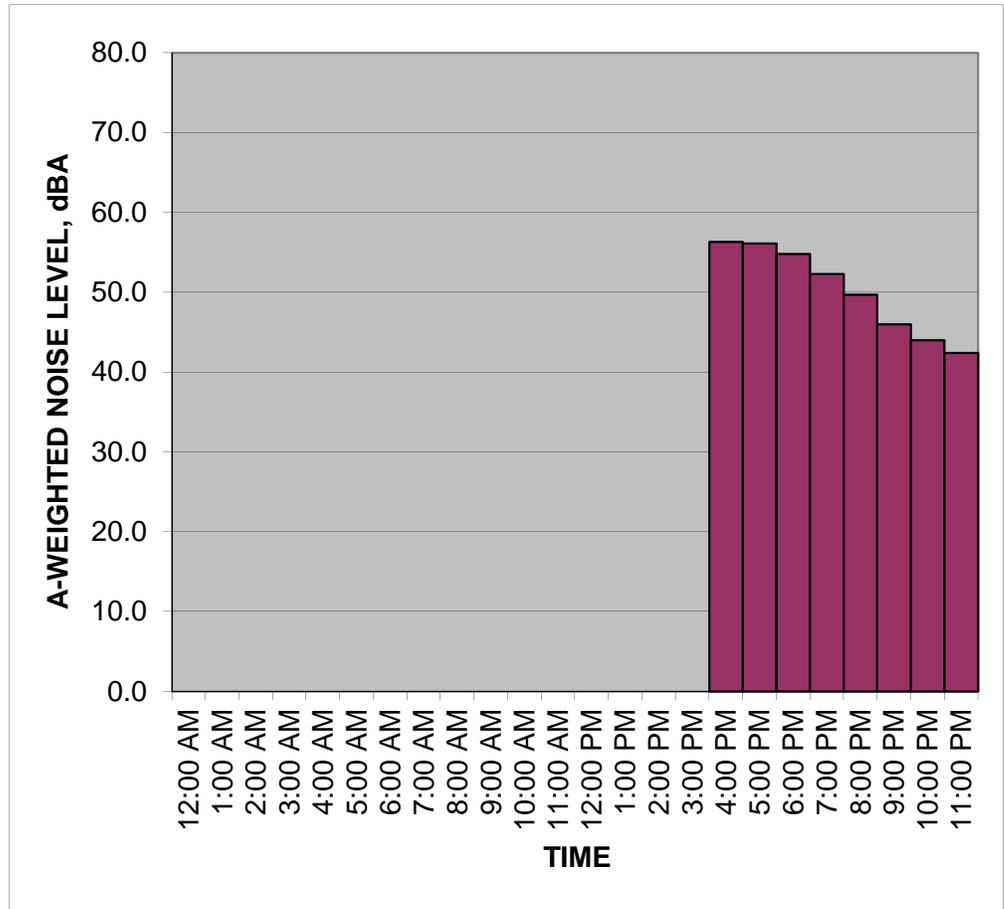
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L4
 Sources: Ambient

Date: August 24, 2015

TIME	HNL, dB(A)
12:00 AM	0.0
1:00 AM	0.0
2:00 AM	0.0
3:00 AM	0.0
4:00 AM	0.0
5:00 AM	0.0
6:00 AM	0.0
7:00 AM	0.0
8:00 AM	0.0
9:00 AM	0.0
10:00 AM	0.0
11:00 AM	0.0
12:00 PM	0.0
1:00 PM	0.0
2:00 PM	0.0
3:00 PM	0.0
4:00 PM	56.3
5:00 PM	56.1
6:00 PM	54.8
7:00 PM	52.3
8:00 PM	49.7
9:00 PM	46.0
10:00 PM	44.0
11:00 PM	42.4
CNEL, dB(A):	55.0



NOTES:

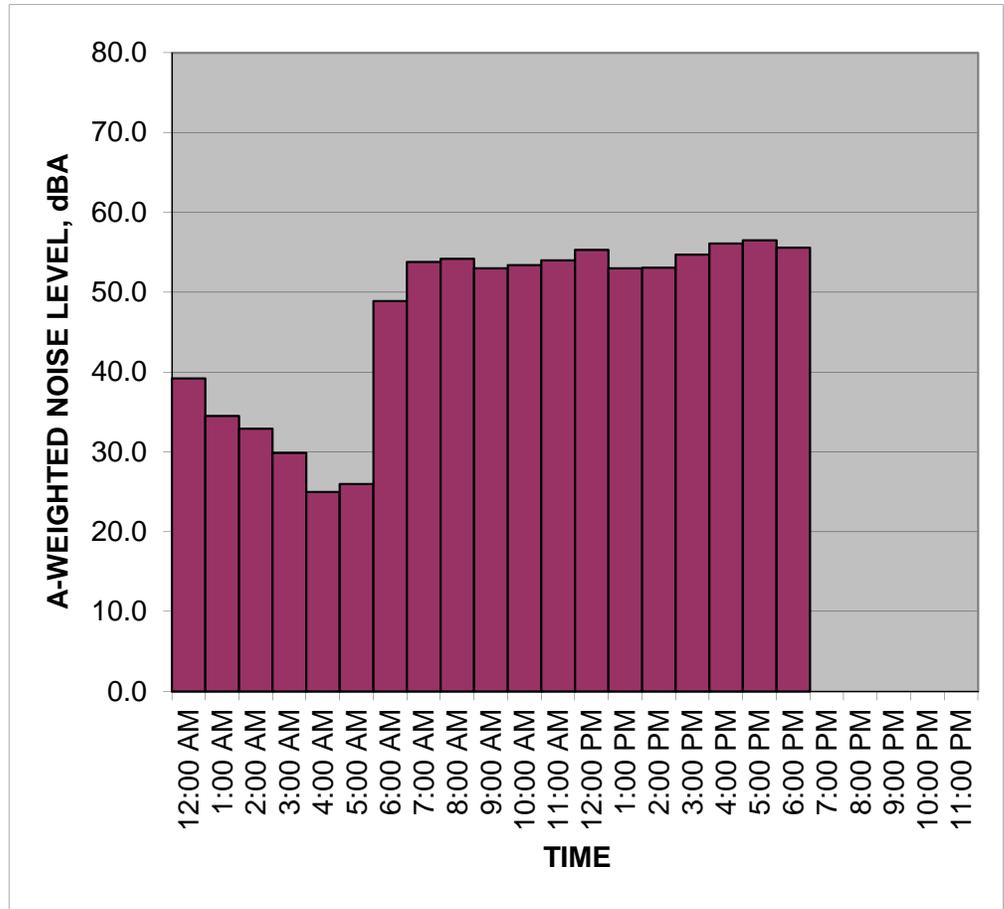
Measured Ambient Noise Levels



Project: Town of Mammoth Lakes
 Land Use Element and Zoning Code Amendments/Mobility Element Update
 Location: L4
 Sources: Ambient

Date: August 25, 2015

TIME	HNL, dB(A)
12:00 AM	39.2
1:00 AM	34.5
2:00 AM	32.9
3:00 AM	29.9
4:00 AM	25.0
5:00 AM	26.0
6:00 AM	48.9
7:00 AM	53.8
8:00 AM	54.2
9:00 AM	53.0
10:00 AM	53.4
11:00 AM	54.0
12:00 PM	55.3
1:00 PM	53.0
2:00 PM	53.1
3:00 PM	54.7
4:00 PM	56.1
5:00 PM	56.5
6:00 PM	55.6
7:00 PM	0.0
8:00 PM	0.0
9:00 PM	0.0
10:00 PM	0.0
11:00 PM	0.0
CNEL, dB(A):	53.6



NOTES:

Appendix D.2
Traffic Noise Calculation

Roadway Traffic Noise Calculations
1 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 3: General Plan Buildout with Existing Roadway Network

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40			0	-	-	-	-	-	-
Main Street between Mountain Blvd and Post Office	40			0	-	-	-	-	-	-
Main Street between Post Office and Center Street	40			0	-	-	-	-	-	-
Main Street between Center Street and Forest Trail	40			0	-	-	-	-	-	-
Main Street between Forest Trail and Laurel Mountain Road	40			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	1331	1331	0	70.3	67.1	65.3	71.6	68.3	66.5
Main Street between Mountain Blvd and Post Office	40	1535	1535	0	71.0	67.7	65.9	72.2	68.9	67.1
Main Street between Post Office and Center Street	40	1616	1616	0	70.7	67.7	66.0	71.9	68.9	67.2
Main Street between Center Street and Forest Trail	40	1597	1597	0	70.7	67.7	65.9	71.9	68.9	67.1
Main Street between Forest Trail and Laurel Mountain Road	40	1755	1755	0	71.1	68.1	66.3	72.3	69.3	67.5
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	1878	1878	0	71.8	68.6	66.8	73.1	69.8	68.0
Main Street between Mountain Blvd and Post Office	40	1778	1778	0	71.6	68.4	66.5	72.8	69.6	67.7
Main Street between Post Office and Center Street	40	1780	1780	0	71.1	68.1	66.4	72.3	69.4	67.6
Main Street between Center Street and Forest Trail	40	1765	1765	0	71.1	68.1	66.3	72.3	69.3	67.6
Main Street between Forest Trail and Laurel Mountain Road	40	1955	1955	0	71.5	68.5	66.8	72.7	69.8	68.0

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Main Street between Minaret Rd and Mountain Blvd	1.5	-	1.5	-
Main Street between Mountain Blvd and Post Office	0.7	-	0.6	-
Main Street between Post Office and Center Street	0.5	-	0.4	-
Main Street between Center Street and Forest Trail	0.4	-	0.4	-
Main Street between Forest Trail and Laurel Mountain Road	0.5	-	0.4	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
2 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 3: General Plan Buildout with Existing Roadway Network

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Road	40			0	-	-	-	-	-	-
Main Street between Old Mammoth Road and Sierra Park Blvd	40			0	-	-	-	-	-	-
Main Street between Sierra Park Blvd and Thompson Way	40			0	-	-	-	-	-	-
Old Mammoth Road between Main Street and Tavern Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Tavern Road and Sierra Nevada Road	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Road	40	1530	1530	0	70.5	67.5	65.7	71.7	68.7	66.9
Main Street between Old Mammoth Road and Sierra Park Blvd	40	768	768	0	67.5	64.5	62.7	68.7	65.7	63.9
Main Street between Sierra Park Blvd and Thompson Way	40	737	737	0	67.3	64.3	62.6	68.5	65.5	63.8
Old Mammoth Road between Main Street and Tavern Road	35	1137	1137	0	68.9	65.3	63.4	70.1	66.6	64.6
Old Mammoth Road between Tavern Road and Sierra Nevada Road	35	1156	1156	0	69.0	65.4	63.5	70.2	66.6	64.7
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Road	40	1695	1695	0	70.9	67.9	66.2	72.1	69.1	67.4
Main Street between Old Mammoth Road and Sierra Park Blvd	40	850	850	0	67.9	64.9	63.2	69.1	66.1	64.4
Main Street between Sierra Park Blvd and Thompson Way	40	800	800	0	67.7	64.7	62.9	68.9	65.9	64.1
Old Mammoth Road between Main Street and Tavern Road	35	1268	1268	0	69.4	65.8	63.9	70.6	67.0	65.1
Old Mammoth Road between Tavern Road and Sierra Nevada Road	35	1340	1340	0	69.6	66.1	64.1	70.8	67.3	65.3

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Main Street between Laurel Mountain Road and Old Mammoth Road	0.4	-	0.4	-
Main Street between Old Mammoth Road and Sierra Park Blvd	0.4	-	0.4	-
Main Street between Sierra Park Blvd and Thompson Way	0.4	-	0.4	-
Old Mammoth Road between Main Street and Tavern Road	0.4	-	0.5	-
Old Mammoth Road between Tavern Road and Sierra Nevada Road	0.7	-	0.6	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
3 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 3: General Plan Buildout with Existing Roadway Network

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35			0	-	-	-	-	-	-
Old Mammoth Road between Meridian Blvd and Chateau Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Chateau Road and Minaret Road	35			0	-	-	-	-	-	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40			0	-	-	-	-	-	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	40			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1066	1066	0	69.5	65.4	63.4	70.7	66.6	64.6
Old Mammoth Road between Meridian Blvd and Chateau Road	35	817	817	0	68.3	64.3	62.2	69.6	65.5	63.4
Old Mammoth Road between Chateau Road and Minaret Road	35	499	499	0	65.3	61.8	59.8	66.6	63.0	61.1
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1140	1140	0	69.7	66.4	64.6	70.9	67.6	65.8
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1181	1181	0	69.8	66.6	64.8	71.0	67.8	66.0
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1233	1233	0	70.1	66.1	64.0	71.3	67.3	65.2
Old Mammoth Road between Meridian Blvd and Chateau Road	35	1070	1070	0	69.5	65.4	63.4	70.7	66.7	64.6
Old Mammoth Road between Chateau Road and Minaret Road	35	815	815	0	67.5	63.9	62.0	68.7	65.1	63.2
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1363	1363	0	70.4	67.2	65.4	71.7	68.4	66.6
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1293	1293	0	70.2	67.0	65.1	71.4	68.2	66.4

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Old Mammoth Road between Sierra Nevada Road and Meridian B	0.7	-	0.6	-
Old Mammoth Road between Meridian Blvd and Chateau Road	1.2	-	1.1	-
Old Mammoth Road between Chateau Road and Minaret Road	2.1	-	2.1	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	0.8	-	0.8	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	0.4	-	0.4	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 3: General Plan Buildout with Existing Roadway Network

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35			0	-	-	-	-	-	-
Minaret Road between Lake Mary Road and Meridian Blvd	35			0	-	-	-	-	-	-
Minaret Road between Meridian Blvd and Old Mammoth Road	35			0	-	-	-	-	-	-
Lake Mary Road w/o Minaret Road	40			0	-	-	-	-	-	-
Fairway Drive s/o Old Mammoth Road	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35	1068	1068	0	66.9	64.2	62.6	68.1	65.4	63.8
Minaret Road between Lake Mary Road and Meridian Blvd	35	874	874	0	68.6	64.6	62.5	69.9	65.8	63.7
Minaret Road between Meridian Blvd and Old Mammoth Road	35	456	456	0	65.8	61.7	59.7	67.0	63.0	60.9
Lake Mary Road w/o Minaret Road	40	890	890	0	68.6	65.4	63.5	69.8	66.6	64.7
Fairway Drive s/o Old Mammoth Road	35	122	122	0	60.1	56.0	54.0	61.3	57.2	55.2
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35	1305	1305	0	67.7	65.1	63.4	69.0	66.3	64.7
Minaret Road between Lake Mary Road and Meridian Blvd	35	1348	1348	0	70.5	66.4	64.4	71.7	67.7	65.6
Minaret Road between Meridian Blvd and Old Mammoth Road	35	870	870	0	68.6	64.5	62.5	69.8	65.8	63.7
Lake Mary Road w/o Minaret Road	40	1795	1795	0	71.6	68.4	66.6	72.9	69.6	67.8
Fairway Drive s/o Old Mammoth Road	35	655	655	0	67.4	63.3	61.2	68.6	64.5	62.5

Summary	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Minaret Road between Fores Trail and Lake Mary Road	0.9	-	0.9	-
Minaret Road between Lake Mary Road and Meridian Blvd	1.9	-	1.8	-
Minaret Road between Meridian Blvd and Old Mammoth Road	2.8	-	2.8	-
Lake Mary Road w/o Minaret Road	3.0	-	3.1	-
Fairway Drive s/o Old Mammoth Road	7.3	-	7.3	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 3: General Plan Buildout with Existing Roadway Network

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35			0	-	-	-	-	-	-
Mountain Boulevard s/o Main Street	35			0	-	-	-	-	-	-
Tavern Road w/o Olad Mammoth Road	35			0	-	-	-	-	-	-
Tavern Road e/o Olad Mammoth Road	35			0	-	-	-	-	-	-
Sierra Park Road between Main Street and Meridian Blvd	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35	107	107	0	59.5	55.4	53.4	60.7	56.7	54.6
Mountain Boulevard s/o Main Street	35	79	79	0	58.2	54.1	52.1	59.4	55.3	53.3
Tavern Road w/o Olad Mammoth Road	35	107	107	0	57.5	54.6	52.8	58.7	55.8	54.0
Tavern Road e/o Olad Mammoth Road	35	69	69	0	55.6	52.7	50.9	56.8	53.9	52.1
Sierra Park Road between Main Street and Meridian Blvd	35	211	211	0	62.5	58.4	56.3	63.7	59.6	57.5
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35	245	245	0	63.1	59.0	57.0	64.3	60.3	58.2
Mountain Boulevard s/o Main Street	35	150	150	0	61.0	56.9	54.8	62.2	58.1	56.1
Tavern Road w/o Olad Mammoth Road	35	155	155	0	59.1	56.2	54.4	60.4	57.4	55.6
Tavern Road e/o Olad Mammoth Road	35	65	65	0	55.4	52.4	50.6	56.6	53.6	51.9
Sierra Park Road between Main Street and Meridian Blvd	35	273	273	0	63.6	59.5	57.4	64.8	60.7	58.7

Summary	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Mountain Boulevard north of Main Street	3.6	-	3.6	-
Mountain Boulevard s/o Main Street	2.8	-	2.8	-
Tavern Road w/o Olad Mammoth Road	1.6	-	1.7	-
Tavern Road e/o Olad Mammoth Road	-0.3	-	-0.2	-
Sierra Park Road between Main Street and Meridian Blvd	1.1	-	1.1	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
6 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 3: General Plan Buildout with Existing Roadway Network

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Sierra Nevada Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Thompson Way s/o Main Street	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Sierra Nevada Road w/o Old Mammoth Road	35	207	207	0	60.4	57.4	55.7	61.6	58.6	56.9
Chateau Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Chateau Road w/o Old Mammoth Road	35	160	160	0	61.3	57.2	55.1	62.5	58.4	56.3
Thompson Way s/o Main Street	35	16	16	0	51.3	47.2	45.1	52.5	48.4	46.3
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	145	145	0	60.8	56.8	54.7	62.1	58.0	55.9
Sierra Nevada Road w/o Old Mammoth Road	35	265	265	0	61.5	58.5	56.7	62.7	59.7	58.0
Chateau Road e/o Old Mammoth Road	35	245	245	0	63.1	59.0	57.0	64.3	60.3	58.2
Chateau Road w/o Old Mammoth Road	35	220	220	0	62.6	58.6	56.5	63.9	59.8	57.7
Thompson Way s/o Main Street	35	10	10	0	49.2	45.2	43.1	50.4	46.4	44.3

CNEL

Summary	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Sierra Nevada Road e/o Old Mammoth Road	1.1	-	1.2	-
Sierra Nevada Road w/o Old Mammoth Road	1.1	-	1.1	-
Chateau Road e/o Old Mammoth Road	3.4	-	3.4	-
Chateau Road w/o Old Mammoth Road	1.4	-	1.4	-
Thompson Way s/o Main Street	-2.0	-	-2.1	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
7 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 4: General Plan Buildout with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40			0	-	-	-	-	-	-
Main Street between Mountain Blvd and Post Office	40			0	-	-	-	-	-	-
Main Street between Post Office and Center Street	40			0	-	-	-	-	-	-
Main Street between Center Street and Forest Trail	40			0	-	-	-	-	-	-
Main Street between Forest Trail and Laurel Mountain Road	40			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	1331	1331	0	70.3	67.1	65.3	71.6	68.3	66.5
Main Street between Mountain Blvd and Post Office	40	1535	1535	0	71.0	67.7	65.9	72.2	68.9	67.1
Main Street between Post Office and Center Street	40	1616	1616	0	70.7	67.7	66.0	71.9	68.9	67.2
Main Street between Center Street and Forest Trail	40	1597	1597	0	70.7	67.7	65.9	71.9	68.9	67.1
Main Street between Forest Trail and Laurel Mountain Road	40	1755	1755	0	71.1	68.1	66.3	72.3	69.3	67.5
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	1955	1955	0	72.0	68.8	66.9	73.2	70.0	68.2
Main Street between Mountain Blvd and Post Office	40	1990	1990	0	72.1	68.9	67.0	73.3	70.1	68.2
Main Street between Post Office and Center Street	40	2055	2055	0	71.7	68.8	67.0	73.0	70.0	68.2
Main Street between Center Street and Forest Trail	40	1990	1990	0	71.6	68.6	66.9	72.8	69.8	68.1
Main Street between Forest Trail and Laurel Mountain Road	40	2130	2130	0	71.9	68.9	67.2	73.1	70.1	68.4

Summary	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Main Street between Minaret Rd and Mountain Blvd	1.7	-	1.6	-
Main Street between Mountain Blvd and Post Office	1.2	-	1.1	-
Main Street between Post Office and Center Street	1.1	-	1.1	-
Main Street between Center Street and Forest Trail	0.9	-	0.9	-
Main Street between Forest Trail and Laurel Mountain Road	0.8	-	0.8	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
8 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 4: General Plan Buildout with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Road	40			0	-	-	-	-	-	-
Main Street between Old Mammoth Road and Sierra Park Blvd	40			0	-	-	-	-	-	-
Main Street between Sierra Park Blvd and Thompson Way	40			0	-	-	-	-	-	-
Old Mammoth Road between Main Street and Tavern Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Tavern Road and Sierra Nevada Road	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Road	40	1530	1530	0	70.5	67.5	65.7	71.7	68.7	66.9
Main Street between Old Mammoth Road and Sierra Park Blvd	40	768	768	0	67.5	64.5	62.7	68.7	65.7	63.9
Main Street between Sierra Park Blvd and Thompson Way	40	737	737	0	67.3	64.3	62.6	68.5	65.5	63.8
Old Mammoth Road between Main Street and Tavern Road	35	1137	1137	0	68.9	65.3	63.4	70.1	66.6	64.6
Old Mammoth Road between Tavern Road and Sierra Nevada Road	35	1156	1156	0	69.0	65.4	63.5	70.2	66.6	64.7
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Road	40	1860	1860	0	71.3	68.3	66.6	72.5	69.5	67.8
Main Street between Old Mammoth Road and Sierra Park Blvd	40	855	855	0	67.9	65.0	63.2	69.2	66.2	64.4
Main Street between Sierra Park Blvd and Thompson Way	40	795	795	0	67.6	64.6	62.9	68.8	65.9	64.1
Old Mammoth Road between Main Street and Tavern Road	35	1323	1323	0	69.6	66.0	64.1	70.8	67.2	65.3
Old Mammoth Road between Tavern Road and Sierra Nevada Road	35	1293	1293	0	69.5	65.9	64.0	70.7	67.1	65.2

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Main Street between Laurel Mountain Road and Old Mammoth Road	0.8	-	0.8	-
Main Street between Old Mammoth Road and Sierra Park Blvd	0.5	-	0.5	-
Main Street between Sierra Park Blvd and Thompson Way	0.4	-	0.3	-
Old Mammoth Road between Main Street and Tavern Road	0.6	-	0.7	-
Old Mammoth Road between Tavern Road and Sierra Nevada Road	0.5	-	0.5	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
9 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 4: General Plan Buildout with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35			0	-	-	-	-	-	-
Old Mammoth Road between Meridian Blvd and Chateau Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Chateau Road and Minaret Road	35			0	-	-	-	-	-	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40			0	-	-	-	-	-	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	40			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1066	1066	0	69.5	65.4	63.4	70.7	66.6	64.6
Old Mammoth Road between Meridian Blvd and Chateau Road	35	817	817	0	68.3	64.3	62.2	69.6	65.5	63.4
Old Mammoth Road between Chateau Road and Minaret Road	35	499	499	0	65.3	61.8	59.8	66.6	63.0	61.1
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1140	1140	0	69.7	66.4	64.6	70.9	67.6	65.8
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1181	1181	0	69.8	66.6	64.8	71.0	67.8	66.0
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1138	1138	0	69.8	65.7	63.6	71.0	66.9	64.9
Old Mammoth Road between Meridian Blvd and Chateau Road	35	930	930	0	68.9	64.8	62.8	70.1	66.1	64.0
Old Mammoth Road between Chateau Road and Minaret Road	35	693	693	0	66.8	63.2	61.3	68.0	64.4	62.5
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1273	1273	0	70.1	66.9	65.1	71.4	68.1	66.3
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1233	1233	0	70.0	66.8	64.9	71.2	68.0	66.2

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Old Mammoth Road between Sierra Nevada Road and Meridian B	0.3	-	0.3	-
Old Mammoth Road between Meridian Blvd and Chateau Road	0.6	-	0.5	-
Old Mammoth Road between Chateau Road and Minaret Road	1.4	-	1.4	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	0.5	-	0.5	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	0.2	-	0.2	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
10 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 4: General Plan Buildout with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35			0	-	-	-	-	-	-
Minaret Road between Lake Mary Road and Meridian Blvd	35			0	-	-	-	-	-	-
Minaret Road between Meridian Blvd and Old Mammoth Road	35			0	-	-	-	-	-	-
Lake Mary Road w/o Minaret Road	40			0	-	-	-	-	-	-
Fairway Drive s/o Old Mammoth Road	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35	1068	1068	0	66.9	64.2	62.6	68.1	65.4	63.8
Minaret Road between Lake Mary Road and Meridian Blvd	35	874	874	0	68.6	64.6	62.5	69.9	65.8	63.7
Minaret Road between Meridian Blvd and Old Mammoth Road	35	456	456	0	65.8	61.7	59.7	67.0	63.0	60.9
Lake Mary Road w/o Minaret Road	40	890	890	0	68.6	65.4	63.5	69.8	66.6	64.7
Fairway Drive s/o Old Mammoth Road	35	122	122	0	60.1	56.0	54.0	61.3	57.2	55.2
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35	1315	1315	0	67.8	65.1	63.5	69.0	66.3	64.7
Minaret Road between Lake Mary Road and Meridian Blvd	35	1208	1208	0	70.0	66.0	63.9	71.3	67.2	65.1
Minaret Road between Meridian Blvd and Old Mammoth Road	35	773	773	0	68.1	64.0	62.0	69.3	65.2	63.2
Lake Mary Road w/o Minaret Road	40	1720	1720	0	71.5	68.2	66.4	72.7	69.4	67.6
Fairway Drive s/o Old Mammoth Road	35	510	510	0	66.3	62.2	60.2	67.5	63.4	61.4

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Minaret Road between Fores Trail and Lake Mary Road	0.9	-	0.9	-
Minaret Road between Lake Mary Road and Meridian Blvd	1.4	-	1.4	-
Minaret Road between Meridian Blvd and Old Mammoth Road	2.2	-	2.3	-
Lake Mary Road w/o Minaret Road	2.8	-	2.9	-
Fairway Drive s/o Old Mammoth Road	6.2	-	6.2	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 4: General Plan Buildout with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35			0	-	-	-	-	-	-
Mountain Boulevard s/o Main Street	35			0	-	-	-	-	-	-
Tavern Road w/o Olad Mammoth Road	35			0	-	-	-	-	-	-
Tavern Road e/o Olad Mammoth Road	35			0	-	-	-	-	-	-
Sierra Park Road between Main Street and Meridian Blvd	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35	107	107	0	59.5	55.4	53.4	60.7	56.7	54.6
Mountain Boulevard s/o Main Street	35	79	79	0	58.2	54.1	52.1	59.4	55.3	53.3
Tavern Road w/o Olad Mammoth Road	35	107	107	0	57.5	54.6	52.8	58.7	55.8	54.0
Tavern Road e/o Olad Mammoth Road	35	69	69	0	55.6	52.7	50.9	56.8	53.9	52.1
Sierra Park Road between Main Street and Meridian Blvd	35	211	211	0	62.5	58.4	56.3	63.7	59.6	57.5
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35	260	260	0	63.4	59.3	57.2	64.6	60.5	58.5
Mountain Boulevard s/o Main Street	35	150	150	0	61.0	56.9	54.8	62.2	58.1	56.1
Tavern Road w/o Olad Mammoth Road	35	120	120	0	58.0	55.1	53.3	59.2	56.3	54.5
Tavern Road e/o Olad Mammoth Road	35	75	75	0	56.0	53.0	51.3	57.2	54.2	52.5
Sierra Park Road between Main Street and Meridian Blvd	35	263	263	0	63.4	59.3	57.3	64.6	60.6	58.5

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Mountain Boulevard north of Main Street	3.8	-	3.9	-
Mountain Boulevard s/o Main Street	2.8	-	2.8	-
Tavern Road w/o Olad Mammoth Road	0.5	-	0.5	-
Tavern Road e/o Olad Mammoth Road	0.3	-	0.4	-
Sierra Park Road between Main Street and Meridian Blvd	1.0	-	0.9	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
12 of 24



Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 4: General Plan Buildout with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Sierra Nevada Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Thompson Way s/o Main Street	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Sierra Nevada Road w/o Old Mammoth Road	35	207	207	0	60.4	57.4	55.7	61.6	58.6	56.9
Chateau Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Chateau Road w/o Old Mammoth Road	35	160	160	0	61.3	57.2	55.1	62.5	58.4	56.3
Thompson Way s/o Main Street	35	16	16	0	51.3	47.2	45.1	52.5	48.4	46.3
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	140	140	0	60.7	56.6	54.5	61.9	57.8	55.8
Sierra Nevada Road w/o Old Mammoth Road	35	255	255	0	61.3	58.3	56.6	62.5	59.5	57.8
Chateau Road e/o Old Mammoth Road	35	230	230	0	62.8	58.8	56.7	64.1	60.0	57.9
Chateau Road w/o Old Mammoth Road	35	190	190	0	62.0	57.9	55.9	63.2	59.2	57.1
Thompson Way s/o Main Street	35	25	25	0	53.2	49.1	47.1	54.4	50.3	48.3

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Sierra Nevada Road e/o Old Mammoth Road	0.9	-	1.0	-
Sierra Nevada Road w/o Old Mammoth Road	0.9	-	0.9	-
Chateau Road e/o Old Mammoth Road	3.1	-	3.2	-
Chateau Road w/o Old Mammoth Road	0.8	-	0.7	-
Thompson Way s/o Main Street	1.9	-	1.9	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Mammoth Lakes Zoning Code Update

Scenario 5

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40			0	-	-	-	-	-	-
Main Street between Mountain Blvd and Post Office	40			0	-	-	-	-	-	-
Main Street between Post Office and Center Street	40			0	-	-	-	-	-	-
Main Street between Center Street and Forest Trail	40			0	-	-	-	-	-	-
Main Street between Forest Trail and Laurel Mountain Road	40			0	-	-	-	-	-	-

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	1331	1331	0	70.3	67.1	65.3	71.6	68.3	66.5
Main Street between Mountain Blvd and Post Office	40	1535	1535	0	71.0	67.7	65.9	72.2	68.9	67.1
Main Street between Post Office and Center Street	40	1616	1616	0	70.7	67.7	66.0	71.9	68.9	67.2
Main Street between Center Street and Forest Trail	40	1597	1597	0	70.7	67.7	65.9	71.9	68.9	67.1
Main Street between Forest Trail and Laurel Mountain Road	40	1755	1755	0	71.1	68.1	66.3	72.3	69.3	67.5

Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	1955	1955	0	72.0	68.8	66.9	73.2	70.0	68.2
Main Street between Mountain Blvd and Post Office	40	1928	1928	0	72.0	68.7	66.9	73.2	69.9	68.1
Main Street between Post Office and Center Street	40	1950	1950	0	71.5	68.5	66.8	72.7	69.7	68.0
Main Street between Center Street and Forest Trail	40	1910	1910	0	71.4	68.4	66.7	72.6	69.7	67.9
Main Street between Forest Trail and Laurel Mountain Road	40	2140	2140	0	71.9	68.9	67.2	73.1	70.2	68.4

CNEL

Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Main Street between Minaret Rd and Mountain Blvd	1.7	-	1.6	-
Main Street between Mountain Blvd and Post Office	1.0	-	1.0	-
Main Street between Post Office and Center Street	0.8	-	0.8	-
Main Street between Center Street and Forest Trail	0.8	-	0.7	-
Main Street between Forest Trail and Laurel Mountain Road	0.9	-	0.8	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Mammoth Lakes Zoning Code Update

Scenario 5

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Ro	40			0	-	-	-	-	-	-
Main Street between Old Mammoth Road and Sierra Park Blvd	40			0	-	-	-	-	-	-
Main Street between Sierra Park Blvd and Thompson Way	40			0	-	-	-	-	-	-
Old Mammoth Road between Main Street and Tavern Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Ro	40	1530	1530	0	70.5	67.5	65.7	71.7	68.7	66.9
Main Street between Old Mammoth Road and Sierra Park Blvd	40	768	768	0	67.5	64.5	62.7	68.7	65.7	63.9
Main Street between Sierra Park Blvd and Thompson Way	40	737	737	0	67.3	64.3	62.6	68.5	65.5	63.8
Old Mammoth Road between Main Street and Tavern Road	35	1137	1137	0	68.9	65.3	63.4	70.1	66.6	64.6
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	35	1156	1156	0	69.0	65.4	63.5	70.2	66.6	64.7
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Ro	40	1785	1785	0	71.1	68.1	66.4	72.4	69.4	67.6
Main Street between Old Mammoth Road and Sierra Park Blvd	40	838	838	0	67.9	64.9	63.1	69.1	66.1	64.3
Main Street between Sierra Park Blvd and Thompson Way	40	785	785	0	67.6	64.6	62.8	68.8	65.8	64.0
Old Mammoth Road between Main Street and Tavern Road	35	1450	1450	0	70.0	66.4	64.5	71.2	67.6	65.7
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	35	1595	1595	0	70.4	66.8	64.9	71.6	68.0	66.1

Roadway/Segment	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Main Street between Laurel Mountain Road and Old Mammoth Ro	0.7	-	0.7	-
Main Street between Old Mammoth Road and Sierra Park Blvd	0.4	-	0.4	-
Main Street between Sierra Park Blvd and Thompson Way	0.3	-	0.3	-
Old Mammoth Road between Main Street and Tavern Road	1.0	-	1.1	-
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	1.4	-	1.4	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Mammoth Lakes Zoning Code Update

Scenario 5

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35			0	-	-	-	-	-	-
Old Mammoth Road between Meridian Blvd and Chateau Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Chateau Road and Minaret Road	35			0	-	-	-	-	-	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40			0	-	-	-	-	-	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	40			0	-	-	-	-	-	-

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1066	1066	0	69.5	65.4	63.4	70.7	66.6	64.6
Old Mammoth Road between Meridian Blvd and Chateau Road	35	817	817	0	68.3	64.3	62.2	69.6	65.5	63.4
Old Mammoth Road between Chateau Road and Minaret Road	35	499	499	0	65.3	61.8	59.8	66.6	63.0	61.1
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1140	1140	0	69.7	66.4	64.6	70.9	67.6	65.8
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1181	1181	0	69.8	66.6	64.8	71.0	67.8	66.0

Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1498	1498	0	71.0	66.9	64.8	72.2	68.1	66.1
Old Mammoth Road between Meridian Blvd and Chateau Road	35	1263	1263	0	70.2	66.2	64.1	71.5	67.4	65.3
Old Mammoth Road between Chateau Road and Minaret Road	35	900	900	0	67.9	64.3	62.4	69.1	65.5	63.6
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1505	1505	0	70.9	67.6	65.8	72.1	68.9	67.0
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1465	1465	0	70.8	67.5	65.7	72.0	68.7	66.9

CNEL

Roadway/Segment	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Old Mammoth Road between Sierra Nevada Road and Meridian B	1.5	-	1.5	-
Old Mammoth Road between Meridian Blvd and Chateau Road	1.9	-	1.9	-
Old Mammoth Road between Chateau Road and Minaret Road	2.5	-	2.5	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	1.3	-	1.2	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	0.9	-	1.0	-

Vehicle Type	% of ADT			
	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Mammoth Lakes Zoning Code Update

Scenario 5

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35			0	-	-	-	-	-	-
Minaret Road between Lake Mary Road and Meridian Blvd	35			0	-	-	-	-	-	-
Minaret Road between Meridian Blvd and Old Mammoth Road	35			0	-	-	-	-	-	-
Lake Mary Road w/o Minaret Road	40			0	-	-	-	-	-	-
Fairway Drive s/o Old Mammoth Road	35			0	-	-	-	-	-	-

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35	1068	1068	0	66.9	64.2	62.6	68.1	65.4	63.8
Minaret Road between Lake Mary Road and Meridian Blvd	35	874	874	0	68.6	64.6	62.5	69.9	65.8	63.7
Minaret Road between Meridian Blvd and Old Mammoth Road	35	456	456	0	65.8	61.7	59.7	67.0	63.0	60.9
Lake Mary Road w/o Minaret Road	40	890	890	0	68.6	65.4	63.5	69.8	66.6	64.7
Fairway Drive s/o Old Mammoth Road	35	122	122	0	60.1	56.0	54.0	61.3	57.2	55.2

Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Fores Trail and Lake Mary Road	35	1333	1333	0	67.8	65.2	63.5	69.0	66.4	64.7
Minaret Road between Lake Mary Road and Meridian Blvd	35	1368	1368	0	70.6	66.5	64.4	71.8	67.7	65.7
Minaret Road between Meridian Blvd and Old Mammoth Road	35	858	858	0	68.6	64.5	62.4	69.8	65.7	63.6
Lake Mary Road w/o Minaret Road	40	1845	1845	0	71.8	68.5	66.7	73.0	69.7	67.9
Fairway Drive s/o Old Mammoth Road	35	670	670	0	67.5	63.4	61.3	68.7	64.6	62.6

Roadway/Segment	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Minaret Road between Fores Trail and Lake Mary Road	1.0	-	0.9	-
Minaret Road between Lake Mary Road and Meridian Blvd	1.9	-	1.9	-
Minaret Road between Meridian Blvd and Old Mammoth Road	2.7	-	2.8	-
Lake Mary Road w/o Minaret Road	3.1	-	3.2	-
Fairway Drive s/o Old Mammoth Road	7.4	-	7.4	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Mammoth Lakes Zoning Code Update

Scenario 5

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35			0	-	-	-	-	-	-
Mountain Boulevard s/o Main Street	35			0	-	-	-	-	-	-
Tavern Road w/o Olad Mammoth Road	35			0	-	-	-	-	-	-
Tavern Road e/o Olad Mammoth Road	35			0	-	-	-	-	-	-
Sierra Park Road between Main Street and Meridian Blvd	35			0	-	-	-	-	-	-

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35	107	107	0	59.5	55.4	53.4	60.7	56.7	54.6
Mountain Boulevard s/o Main Street	35	79	79	0	58.2	54.1	52.1	59.4	55.3	53.3
Tavern Road w/o Olad Mammoth Road	35	107	107	0	57.5	54.6	52.8	58.7	55.8	54.0
Tavern Road e/o Olad Mammoth Road	35	69	69	0	55.6	52.7	50.9	56.8	53.9	52.1
Sierra Park Road between Main Street and Meridian Blvd	35	211	211	0	62.5	58.4	56.3	63.7	59.6	57.5

Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard north of Main Street	35	155	155	0	61.1	57.1	55.0	62.3	58.3	56.2
Mountain Boulevard s/o Main Street	35	120	120	0	60.0	55.9	53.9	61.2	57.2	55.1
Tavern Road w/o Olad Mammoth Road	35	225	225	0	60.8	57.8	56.0	62.0	59.0	57.2
Tavern Road e/o Olad Mammoth Road	35	95	95	0	57.0	54.0	52.3	58.2	55.3	53.5
Sierra Park Road between Main Street and Meridian Blvd	35	290	290	0	63.8	59.8	57.7	65.1	61.0	58.9

CNEL				
Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Mountain Boulevard north of Main Street	1.6	-	1.6	-
Mountain Boulevard s/o Main Street	1.9	-	1.8	-
Tavern Road w/o Olad Mammoth Road	3.2	-	3.3	-
Tavern Road e/o Olad Mammoth Road	1.4	-	1.4	-
Sierra Park Road between Main Street and Meridian Blvd	1.4	-	1.4	-

% of ADT				
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Mammoth Lakes Zoning Code Update

Scenario 5

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Sierra Nevada Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Thompson Way s/o Main Street	35			0	-	-	-	-	-	-

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Sierra Nevada Road w/o Old Mammoth Road	35	207	207	0	60.4	57.4	55.7	61.6	58.6	56.9
Chateau Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Chateau Road w/o Old Mammoth Road	35	160	160	0	61.3	57.2	55.1	62.5	58.4	56.3
Thompson Way s/o Main Street	35	16	16	0	51.3	47.2	45.1	52.5	48.4	46.3

Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	145	145	0	60.8	56.8	54.7	62.1	58.0	55.9
Sierra Nevada Road w/o Old Mammoth Road	35	280	280	0	61.7	58.7	57.0	62.9	59.9	58.2
Chateau Road e/o Old Mammoth Road	35	235	235	0	62.9	58.9	56.8	64.1	60.1	58.0
Chateau Road w/o Old Mammoth Road	35	250	250	0	63.2	59.1	57.1	64.4	60.3	58.3
Thompson Way s/o Main Street	35	10	10	0	49.2	45.2	43.1	50.4	46.4	44.3

Summary	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Sierra Nevada Road e/o Old Mammoth Road	1.1	-	1.2	-
Sierra Nevada Road w/o Old Mammoth Road	1.3	-	1.3	-
Chateau Road e/o Old Mammoth Road	3.2	-	3.2	-
Chateau Road w/o Old Mammoth Road	1.9	-	1.9	-
Thompson Way s/o Main Street	-2.0	-	-2.1	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 6: Land Use Element/Zoning Code Amendments with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40			0	-	-	-	-	-	-
Main Street between Mountain Blvd and Post Office	40			0	-	-	-	-	-	-
Main Street between Post Office and Center Street	40			0	-	-	-	-	-	-
Main Street between Center Street and Forest Trail	40			0	-	-	-	-	-	-
Main Street between Forest Trail and Laurel Mountain Road	40			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	1331	1331	0	70.3	67.1	65.3	71.6	68.3	66.5
Main Street between Mountain Blvd and Post Office	40	1535	1535	0	71.0	67.7	65.9	72.2	68.9	67.1
Main Street between Post Office and Center Street	40	1616	1616	0	70.7	67.7	66.0	71.9	68.9	67.2
Main Street between Center Street and Forest Trail	40	1597	1597	0	70.7	67.7	65.9	71.9	68.9	67.1
Main Street between Forest Trail and Laurel Mountain Road	40	1755	1755	0	71.1	68.1	66.3	72.3	69.3	67.5
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Minaret Rd and Mountain Blvd	40	2070	2070	0	72.3	69.0	67.2	73.5	70.2	68.4
Main Street between Mountain Blvd and Post Office	40	2200	2200	0	72.5	69.3	67.5	73.7	70.5	68.7
Main Street between Post Office and Center Street	40	2390	2390	0	72.4	69.4	67.7	73.6	70.6	68.9
Main Street between Center Street and Forest Trail	40	2315	2315	0	72.3	69.3	67.5	73.5	70.5	68.7
Main Street between Forest Trail and Laurel Mountain Road	40	2465	2465	0	72.5	69.6	67.8	73.8	70.8	69.0

CNEL				
Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Main Street between Minaret Rd and Mountain Blvd	1.9	-	1.9	-
Main Street between Mountain Blvd and Post Office	1.6	-	1.5	-
Main Street between Post Office and Center Street	1.7	-	1.7	-
Main Street between Center Street and Forest Trail	1.6	-	1.6	-
Main Street between Forest Trail and Laurel Mountain Road	1.5	-	1.5	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 6: Land Use Element/Zoning Code Amendments with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Ro	40			0	-	-	-	-	-	-
Main Street between Old Mammoth Road and Sierra Park Blvd	40			0	-	-	-	-	-	-
Main Street between Sierra Park Blvd and Thompson Way	40			0	-	-	-	-	-	-
Old Mammoth Road between Main Street and Tavern Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Ro	40	1530	1530	0	70.5	67.5	65.7	71.7	68.7	66.9
Main Street between Old Mammoth Road and Sierra Park Blvd	40	768	768	0	67.5	64.5	62.7	68.7	65.7	63.9
Main Street between Sierra Park Blvd and Thompson Way	40	737	737	0	67.3	64.3	62.6	68.5	65.5	63.8
Old Mammoth Road between Main Street and Tavern Road	35	1137	1137	0	68.9	65.3	63.4	70.1	66.6	64.6
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	35	1156	1156	0	69.0	65.4	63.5	70.2	66.6	64.7
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Main Street between Laurel Mountain Road and Old Mammoth Ro	40	2035	2035	0	71.7	68.7	67.0	72.9	69.9	68.2
Main Street between Old Mammoth Road and Sierra Park Blvd	40	918	918	0	68.2	65.3	63.5	69.5	66.5	64.7
Main Street between Sierra Park Blvd and Thompson Way	40	850	850	0	67.9	64.9	63.2	69.1	66.1	64.4
Old Mammoth Road between Main Street and Tavern Road	35	1505	1505	0	70.1	66.6	64.6	71.3	67.8	65.9
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	35	1533	1533	0	70.2	66.6	64.7	71.4	67.9	65.9

CNEL				
Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Main Street between Laurel Mountain Road and Old Mammoth Ro	1.2	-	1.2	-
Main Street between Old Mammoth Road and Sierra Park Blvd	0.8	-	0.8	-
Main Street between Sierra Park Blvd and Thompson Way	0.6	-	0.6	-
Old Mammoth Road between Main Street and Tavern Road	1.2	-	1.2	-
Old Mammoth Road between Tavern Road and Sierra Nevada Ro	1.3	-	1.2	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 6: Land Use Element/Zoning Code Amendments with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35			0	-	-	-	-	-	-
Old Mammoth Road between Meridian Blvd and Chateau Road	35			0	-	-	-	-	-	-
Old Mammoth Road between Chateau Road and Minaret Road	35			0	-	-	-	-	-	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40			0	-	-	-	-	-	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	40			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1066	1066	0	69.5	65.4	63.4	70.7	66.6	64.6
Old Mammoth Road between Meridian Blvd and Chateau Road	35	817	817	0	68.3	64.3	62.2	69.6	65.5	63.4
Old Mammoth Road between Chateau Road and Minaret Road	35	499	499	0	65.3	61.8	59.8	66.6	63.0	61.1
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1140	1140	0	69.7	66.4	64.6	70.9	67.6	65.8
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1181	1181	0	69.8	66.6	64.8	71.0	67.8	66.0
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Old Mammoth Road between Sierra Nevada Road and Meridian B	35	1335	1335	0	70.5	66.4	64.3	71.7	67.6	65.6
Old Mammoth Road between Meridian Blvd and Chateau Road	35	1060	1060	0	69.5	65.4	63.3	70.7	66.6	64.6
Old Mammoth Road between Chateau Road and Minaret Road	35	758	758	0	67.2	63.6	61.7	68.4	64.8	62.9
Meridian Boulevard between Minaret Rd and Old Mammoth Road	40	1290	1290	0	70.2	67.0	65.1	71.4	68.2	66.4
Meridian Boulevard between Old Mammoth Road and Sierra Park	40	1263	1263	0	70.1	66.9	65.0	71.3	68.1	66.3

CNEL				
Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Old Mammoth Road between Sierra Nevada Road and Meridian B	1.0	-	1.0	-
Old Mammoth Road between Meridian Blvd and Chateau Road	1.1	-	1.1	-
Old Mammoth Road between Chateau Road and Minaret Road	1.8	-	1.8	-
Meridian Boulevard between Minaret Rd and Old Mammoth Road	0.6	-	0.5	-
Meridian Boulevard between Old Mammoth Road and Sierra Park	0.3	-	0.3	-

% of ADT				
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 6: Land Use Element/Zoning Code Amendments with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Forest Trail and Lake Mary Road	35			0	-	-	-	-	-	-
Minaret Road between Lake Mary Road and Meridian Blvd	35			0	-	-	-	-	-	-
Minaret Road between Meridian Blvd and Old Mammoth Road	35			0	-	-	-	-	-	-
Lake Mary Road w/o Minaret Road	40			0	-	-	-	-	-	-
Fairway Drive s/o Old Mammoth Road	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Forest Trail and Lake Mary Road	35	1068	1068	0	66.9	64.2	62.6	68.1	65.4	63.8
Minaret Road between Lake Mary Road and Meridian Blvd	35	874	874	0	68.6	64.6	62.5	69.9	65.8	63.7
Minaret Road between Meridian Blvd and Old Mammoth Road	35	456	456	0	65.8	61.7	59.7	67.0	63.0	60.9
Lake Mary Road w/o Minaret Road	40	890	890	0	68.6	65.4	63.5	69.8	66.6	64.7
Fairway Drive s/o Old Mammoth Road	35	122	122	0	60.1	56.0	54.0	61.3	57.2	55.2
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Minaret Road between Forest Trail and Lake Mary Road	35	1352	1352	0	67.9	65.2	63.6	69.1	66.4	64.8
Minaret Road between Lake Mary Road and Meridian Blvd	35	1188	1188	0	70.0	65.9	63.8	71.2	67.1	65.0
Minaret Road between Meridian Blvd and Old Mammoth Road	35	738	738	0	67.9	63.8	61.8	69.1	65.0	63.0
Lake Mary Road w/o Minaret Road	40	1790	1790	0	71.6	68.4	66.6	72.8	69.6	67.8
Fairway Drive s/o Old Mammoth Road	35	500	500	0	66.2	62.1	60.1	67.4	63.4	61.3

CNEL				
Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Minaret Road between Forest Trail and Lake Mary Road	1.0	-	1.0	-
Minaret Road between Lake Mary Road and Meridian Blvd	1.3	-	1.3	-
Minaret Road between Meridian Blvd and Old Mammoth Road	2.0	-	2.1	-
Lake Mary Road w/o Minaret Road	3.0	-	3.0	-
Fairway Drive s/o Old Mammoth Road	6.2	-	6.1	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 6: Land Use Element/Zoning Code Amendments with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard n/o Main Street	35			0	-	-	-	-	-	-
Mountain Boulevard s/o Main Street	35			0	-	-	-	-	-	-
Tavern Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Tavern Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Sierra Park Road between Main Street and Meridian Blvd	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard n/o Main Street	35	107	107	0	59.5	55.4	53.4	60.7	56.7	54.6
Mountain Boulevard s/o Main Street	35	79	79	0	58.2	54.1	52.1	59.4	55.3	53.3
Tavern Road w/o Old Mammoth Road	35	107	107	0	57.5	54.6	52.8	58.7	55.8	54.0
Tavern Road e/o Old Mammoth Road	35	69	69	0	55.6	52.7	50.9	56.8	53.9	52.1
Sierra Park Road between Main Street and Meridian Blvd	35	211	211	0	62.5	58.4	56.3	63.7	59.6	57.5
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Mountain Boulevard n/o Main Street	35	160	160	0	61.3	57.2	55.1	62.5	58.4	56.3
Mountain Boulevard s/o Main Street	35	125	125	0	60.2	56.1	54.1	61.4	57.3	55.3
Tavern Road w/o Old Mammoth Road	35	205	205	0	60.4	57.4	55.6	61.6	58.6	56.8
Tavern Road e/o Old Mammoth Road	35	90	90	0	56.8	53.8	52.1	58.0	55.0	53.3
Sierra Park Road between Main Street and Meridian Blvd	35	268	268	0	63.5	59.4	57.4	64.7	60.6	58.6

Summary	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Mountain Boulevard n/o Main Street	1.7	-	1.8	-
Mountain Boulevard s/o Main Street	2.0	-	2.0	-
Tavern Road w/o Old Mammoth Road	2.8	-	2.9	-
Tavern Road e/o Old Mammoth Road	1.1	-	1.2	-
Sierra Park Road between Main Street and Meridian Blvd	1.0	-	1.0	-

Vehicle Type	% of ADT			Sub total
	Day	Eve	Night	
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations
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Project: Town of Mammoth Lakes Land Use Element and Zoning Code Amendments/Mobility Element Update

Scenario 6: Land Use Element/Zoning Code Amendments with Mobility Element Update

Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Sierra Nevada Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road e/o Old Mammoth Road	35			0	-	-	-	-	-	-
Chateau Road w/o Old Mammoth Road	35			0	-	-	-	-	-	-
Thompson Way s/o Main Street	35			0	-	-	-	-	-	-
Existing										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Sierra Nevada Road w/o Old Mammoth Road	35	207	207	0	60.4	57.4	55.7	61.6	58.6	56.9
Chateau Road e/o Old Mammoth Road	35	112	112	0	59.7	55.6	53.6	60.9	56.9	54.8
Chateau Road w/o Old Mammoth Road	35	160	160	0	61.3	57.2	55.1	62.5	58.4	56.3
Thompson Way s/o Main Street	35	16	16	0	51.3	47.2	45.1	52.5	48.4	46.3
Future With Project										
Roadway/Segment	Speed MPH	Traffic Volumes			Leq			CNEL		
		AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Sierra Nevada Road e/o Old Mammoth Road	35	145	145	0	60.8	56.8	54.7	62.1	58.0	55.9
Sierra Nevada Road w/o Old Mammoth Road	35	280	280	0	61.7	58.7	57.0	62.9	59.9	58.2
Chateau Road e/o Old Mammoth Road	35	210	210	0	62.4	58.4	56.3	63.7	59.6	57.5
Chateau Road w/o Old Mammoth Road	35	210	210	0	62.4	58.4	56.3	63.7	59.6	57.5
Thompson Way s/o Main Street	35	25	25	0	53.2	49.1	47.1	54.4	50.3	48.3

CNEL				
Summary	25 ft. from ROW		At ROW	
	Project Increment		Project Increment	
Roadway/Segment				
Sierra Nevada Road e/o Old Mammoth Road	1.1	-	1.2	-
Sierra Nevada Road w/o Old Mammoth Road	1.3	-	1.3	-
Chateau Road e/o Old Mammoth Road	2.7	-	2.8	-
Chateau Road w/o Old Mammoth Road	1.2	-	1.2	-
Thompson Way s/o Main Street	1.9	-	1.9	-

% of ADT				
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%