

**APPENDIX 9.7**  
**Noise Data**

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**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

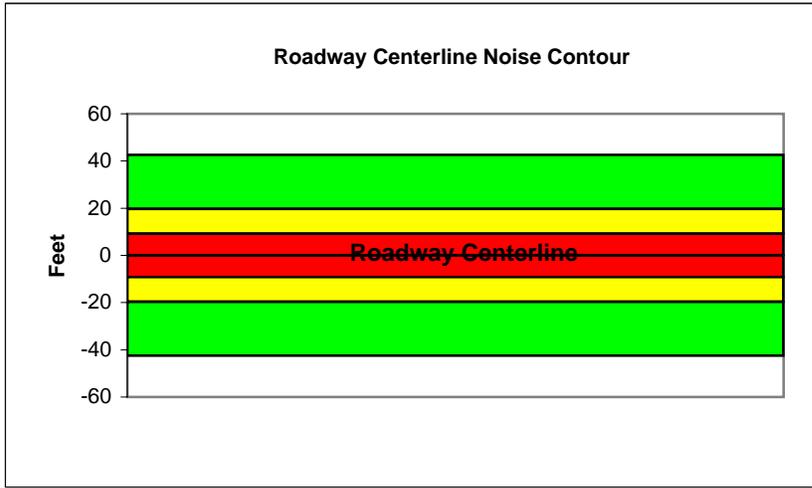
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1662			
Receiver Barrier Dist:	0	Peak Hour Traffic:	166.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.9	50.6	48.8	42.8	51.4	52.0
Medium Trucks:	50.1	42.1	35.7	34.1	42.6	42.8
Heavy Trucks:	54.7	42.7	33.7	34.9	44.4	44.6
<b>Vehicle Noise:</b>	<b>57.0</b>	<b>51.9</b>	<b>49.2</b>	<b>44.1</b>	<b>52.7</b>	<b>53.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	43
65 dBA	20
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

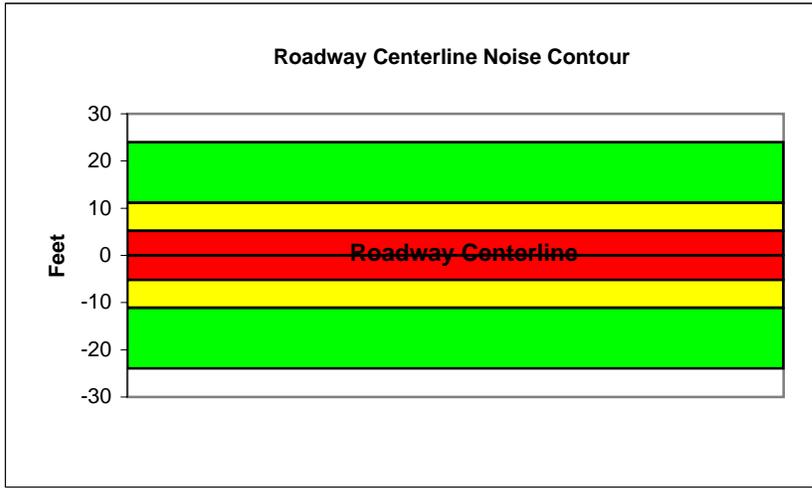
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	Old Mammoth Road to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	705			
Receiver Barrier Dist:	0	Peak Hour Traffic:	70.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.1	46.9	45.1	39.0	47.7	48.3
Medium Trucks:	46.4	38.3	32.0	30.4	38.9	39.1
Heavy Trucks:	50.9	39.0	29.9	31.2	40.7	40.8
<b>Vehicle Noise:</b>	<b>53.3</b>	<b>48.2</b>	<b>45.5</b>	<b>40.3</b>	<b>48.9</b>	<b>49.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	24
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

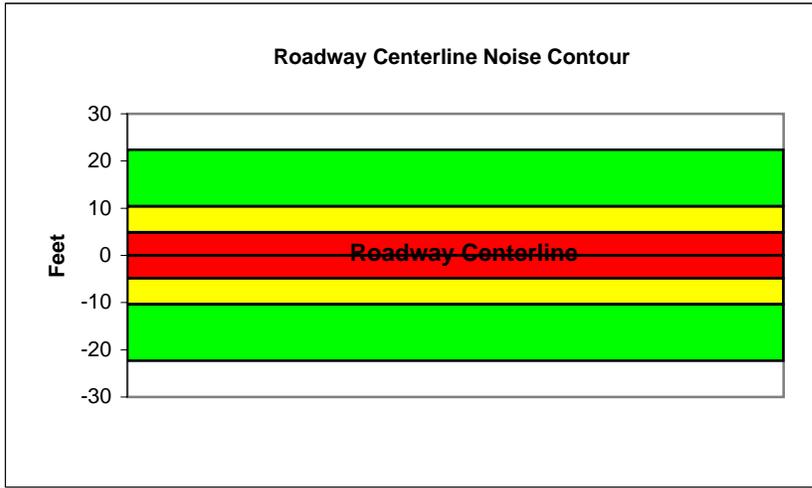
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	635			
Receiver Barrier Dist:	0	Peak Hour Traffic:	63.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.7	46.5	44.7	38.6	47.2	47.8
Medium Trucks:	46.0	37.9	31.5	29.9	38.4	38.7
Heavy Trucks:	50.5	38.5	29.5	30.7	40.2	40.4
<b>Vehicle Noise:</b>	<b>52.8</b>	<b>47.8</b>	<b>45.0</b>	<b>39.9</b>	<b>48.5</b>	<b>49.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	22
65 dBA	10
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

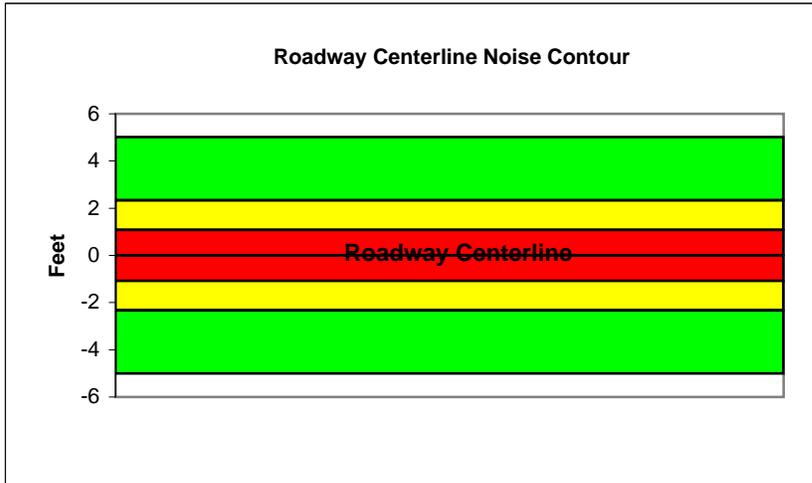
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	122			
Receiver Barrier Dist:	0	Peak Hour Traffic:	12.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	27.9	36.7	34.9	28.9	37.5	38.1
Medium Trucks:	37.7	29.6	23.2	21.6	30.1	30.4
Heavy Trucks:	42.9	30.9	21.9	23.1	33.0	33.1
<b>Vehicle Noise:</b>	<b>45.3</b>	<b>38.7</b>	<b>35.5</b>	<b>30.8</b>	<b>39.4</b>	<b>39.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

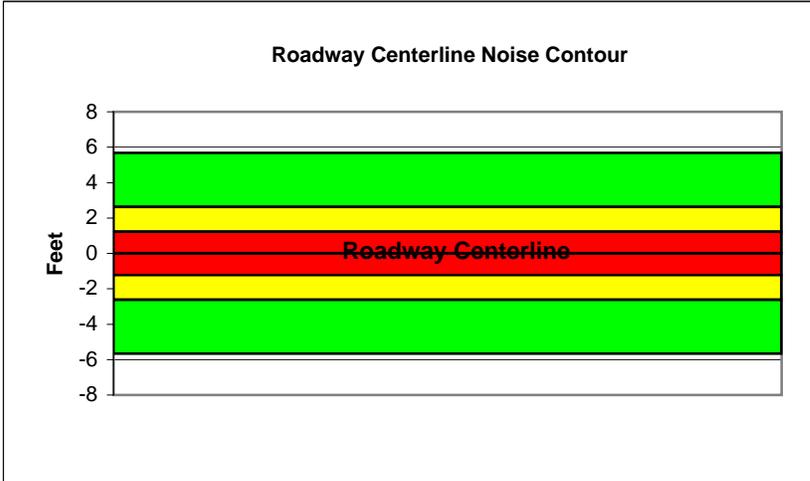
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	146			
Receiver Barrier Dist:	0	Peak Hour Traffic:	14.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.7	37.5	35.7	29.6	38.3	38.9
Medium Trucks:	38.4	30.4	24.0	22.4	30.9	31.1
Heavy Trucks:	43.7	31.7	22.7	23.9	33.8	33.9
<b>Vehicle Noise:</b>	<b>46.1</b>	<b>39.5</b>	<b>36.3</b>	<b>31.6</b>	<b>40.2</b>	<b>40.6</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	6
65 dBA	3
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

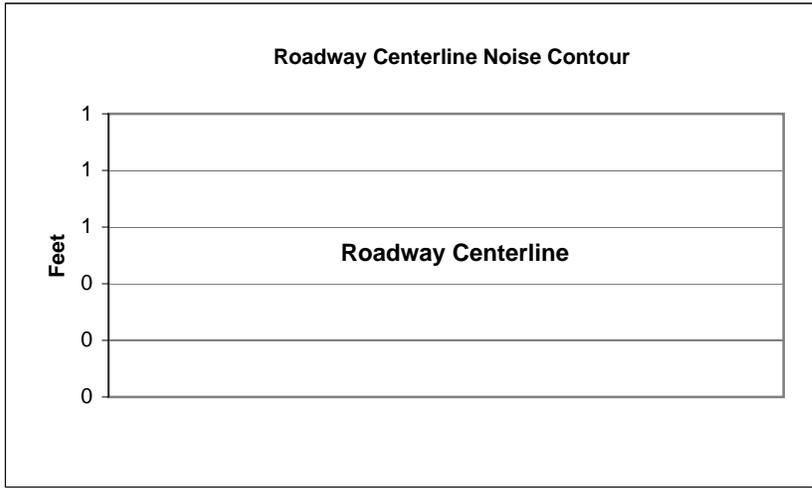
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Sierra Park Rd to South Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	0			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Medium Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Heavy Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
<b>Vehicle Noise:</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	#NUM!
65 dBA	#NUM!
70 dBA	#NUM!
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

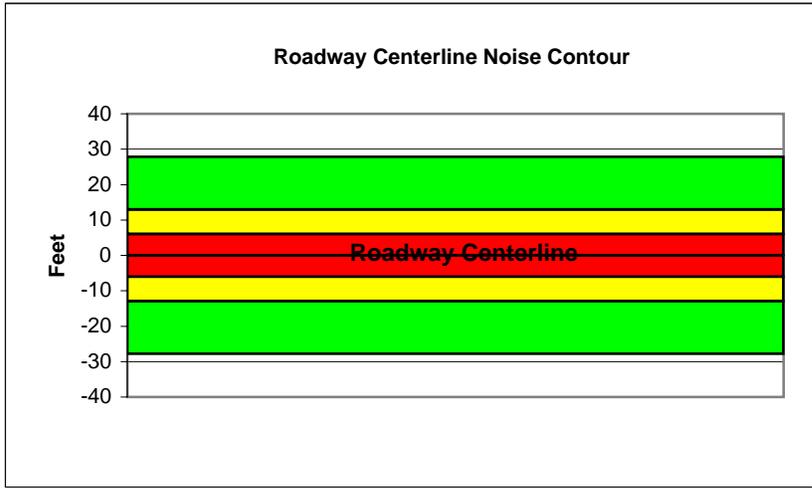
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	882			
Receiver Barrier Dist:	0	Peak Hour Traffic:	88.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	39.1	47.9	46.1	40.0	48.7	49.3
Medium Trucks:	47.4	39.3	32.9	31.4	39.8	40.1
Heavy Trucks:	51.9	40.0	30.9	32.1	41.7	41.8
<b>Vehicle Noise:</b>	<b>54.2</b>	<b>49.2</b>	<b>46.5</b>	<b>41.3</b>	<b>49.9</b>	<b>50.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

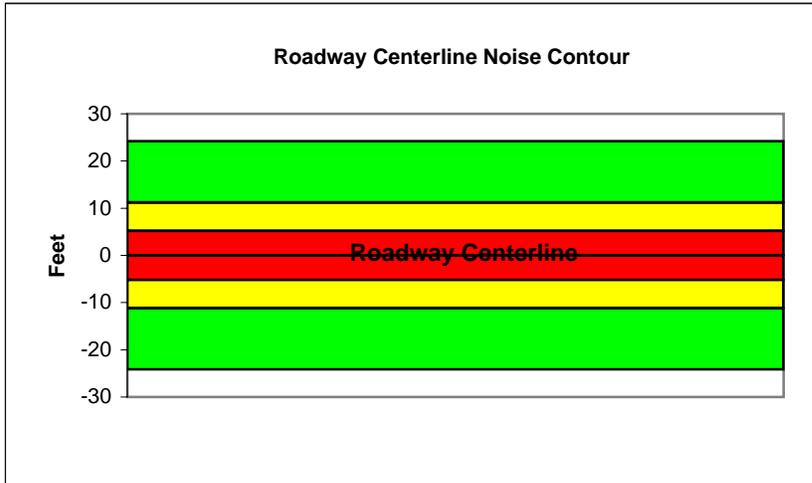
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	Old Mammoth Road to Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	713			
Receiver Barrier Dist:	0	Peak Hour Traffic:	71.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.2	47.0	45.2	39.1	47.7	48.3
Medium Trucks:	46.5	38.4	32.0	30.4	38.9	39.2
Heavy Trucks:	51.0	39.0	30.0	31.2	40.8	40.9
<b>Vehicle Noise:</b>	<b>53.3</b>	<b>48.3</b>	<b>45.5</b>	<b>40.4</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	24
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

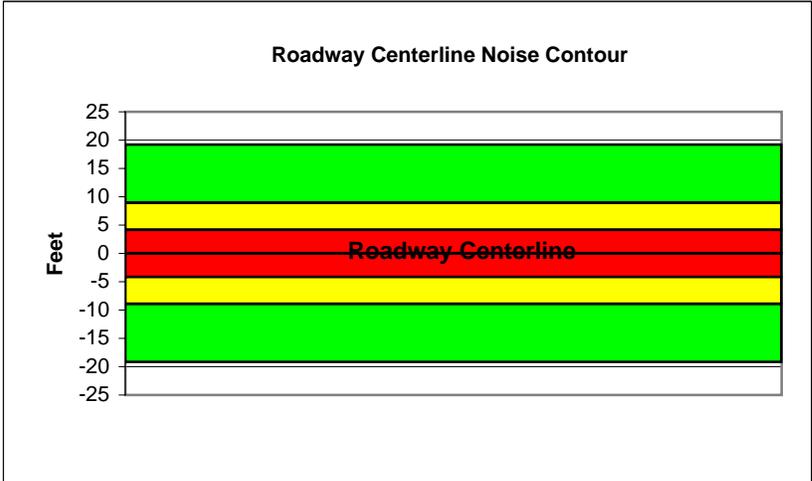
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	East of Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	504			
Receiver Barrier Dist:	0	Peak Hour Traffic:	50.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	36.7	45.5	43.7	37.6	46.2	46.8
Medium Trucks:	45.0	36.9	30.5	28.9	37.4	37.7
Heavy Trucks:	49.5	37.5	28.5	29.7	39.2	39.4
<b>Vehicle Noise:</b>	<b>51.8</b>	<b>46.8</b>	<b>44.0</b>	<b>38.9</b>	<b>47.5</b>	<b>48.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	19
65 dBA	9
70 dBA	4
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

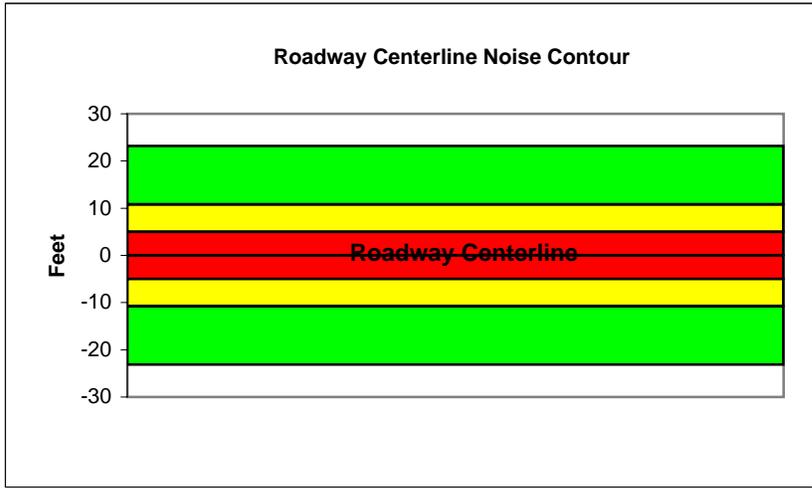
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1204			
Receiver Barrier Dist:	0	Peak Hour Traffic:	120.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.1	47.8
Medium Trucks:	47.3	39.2	32.9	31.3	39.8	40.0
Heavy Trucks:	52.5	40.6	31.5	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.3</b>	<b>45.1</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

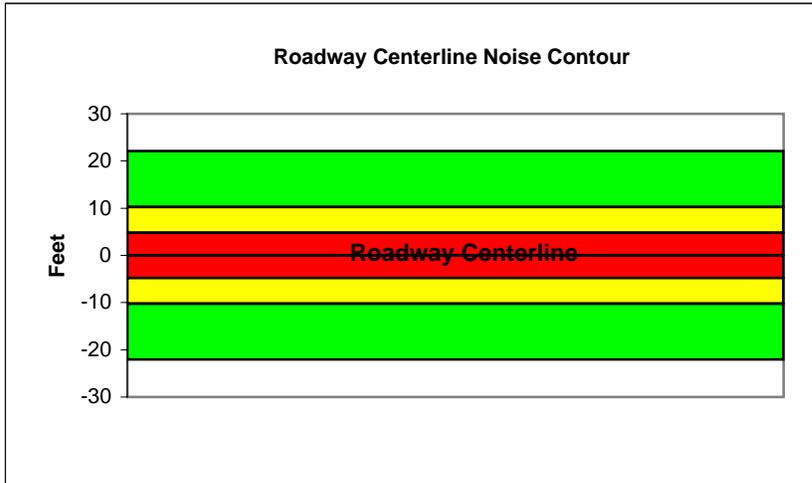
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1122			
Receiver Barrier Dist:	0	Peak Hour Traffic:	112.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.3	46.1	44.3	38.2	46.8	47.4
Medium Trucks:	47.0	38.9	32.6	31.0	39.5	39.7
Heavy Trucks:	52.2	40.3	31.2	32.4	42.4	42.5
<b>Vehicle Noise:</b>	<b>54.7</b>	<b>48.0</b>	<b>44.8</b>	<b>40.1</b>	<b>48.7</b>	<b>49.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	22
65 dBA	10
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

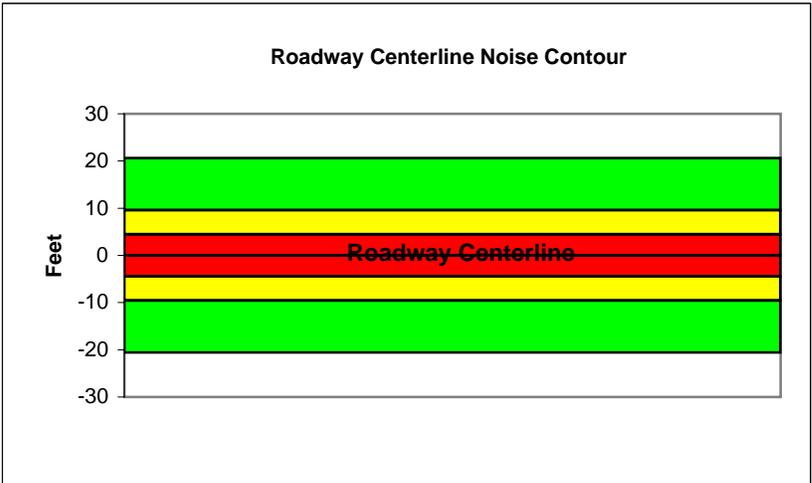
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1014			
Receiver Barrier Dist:	0	Peak Hour Traffic:	101.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	36.8	45.6	43.8	37.8	46.4	47.0
Medium Trucks:	46.6	38.5	32.1	30.5	39.0	39.3
Heavy Trucks:	51.8	39.8	30.8	32.0	41.9	42.0
<b>Vehicle Noise:</b>	<b>54.2</b>	<b>47.6</b>	<b>44.4</b>	<b>39.7</b>	<b>48.3</b>	<b>48.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	21
65 dBA	10
70 dBA	4
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

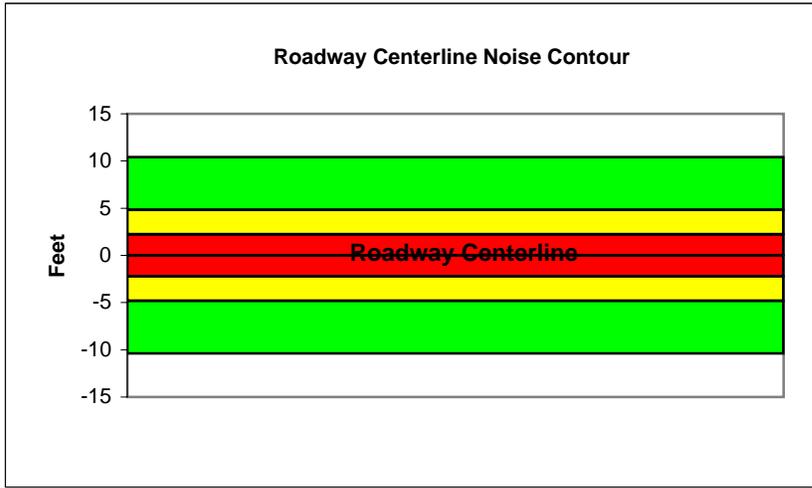
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Main Street to North Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	362			
Receiver Barrier Dist:	0	Peak Hour Traffic:	36.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.7	41.5	39.7	33.6	42.2	42.8
Medium Trucks:	42.4	34.3	27.9	26.4	34.9	35.1
Heavy Trucks:	47.6	35.7	26.6	27.8	37.7	37.9
<b>Vehicle Noise:</b>	<b>50.0</b>	<b>43.4</b>	<b>40.2</b>	<b>35.5</b>	<b>44.1</b>	<b>44.6</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	10
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

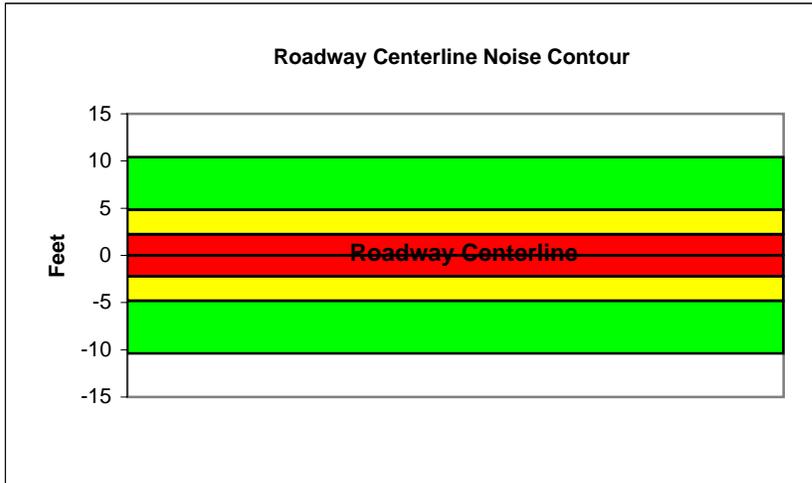
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	North Site Access to Tavern Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	362			
Receiver Barrier Dist:	0	Peak Hour Traffic:	36.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.7	41.5	39.7	33.6	42.2	42.8
Medium Trucks:	42.4	34.3	27.9	26.4	34.9	35.1
Heavy Trucks:	47.6	35.7	26.6	27.8	37.7	37.9
<b>Vehicle Noise:</b>	<b>50.0</b>	<b>43.4</b>	<b>40.2</b>	<b>35.5</b>	<b>44.1</b>	<b>44.6</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	10
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

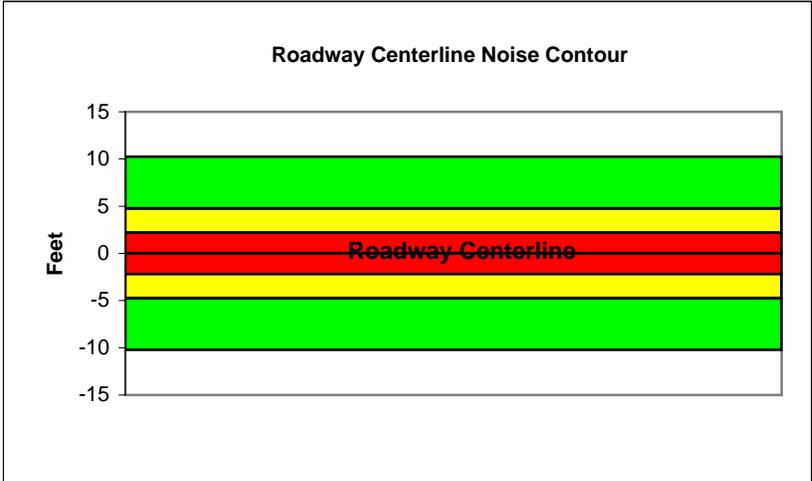
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	354			
Receiver Barrier Dist:	0	Peak Hour Traffic:	35.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90 Lft View: -90		Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.6	41.4	39.6	33.5	42.1	42.7
Medium Trucks:	42.3	34.2	27.8	26.3	34.8	35.0
Heavy Trucks:	47.5	35.6	26.5	27.7	37.6	37.8
<b>Vehicle Noise:</b>	<b>49.9</b>	<b>43.3</b>	<b>40.1</b>	<b>35.4</b>	<b>44.0</b>	<b>44.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	10
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

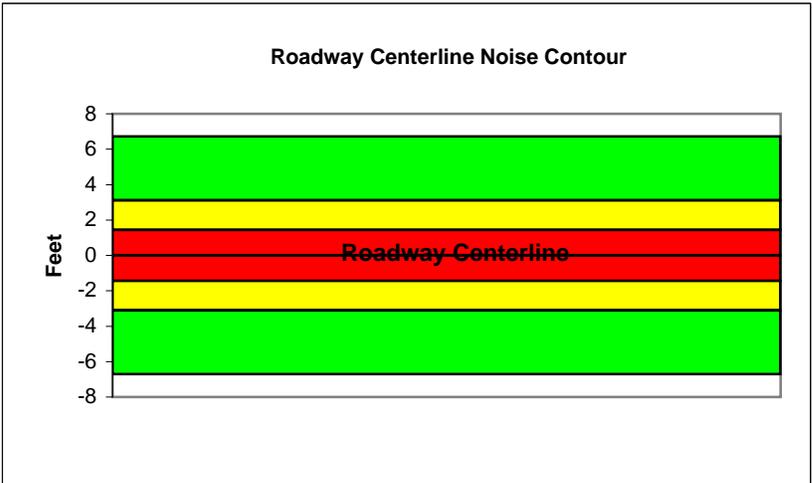
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	189			
Receiver Barrier Dist:	0	Peak Hour Traffic:	18.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	29.8	38.6	36.8	30.8	39.4	40.0
Medium Trucks:	39.6	31.5	25.1	23.5	32.0	32.3
Heavy Trucks:	44.8	32.8	23.8	25.0	34.9	35.0
<b>Vehicle Noise:</b>	<b>47.2</b>	<b>40.6</b>	<b>37.4</b>	<b>32.7</b>	<b>41.3</b>	<b>41.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	7
65 dBA	3
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

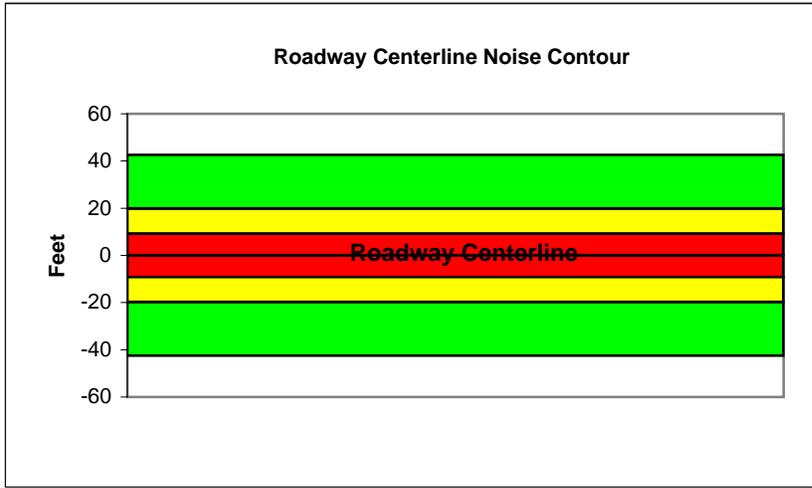
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1669			
Receiver Barrier Dist:	0	Peak Hour Traffic:	166.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.9	50.7	48.9	42.8	51.4	52.0
Medium Trucks:	50.2	42.1	35.7	34.1	42.6	42.9
Heavy Trucks:	54.7	42.7	33.7	34.9	44.4	44.6
<b>Vehicle Noise:</b>	<b>57.0</b>	<b>52.0</b>	<b>49.2</b>	<b>44.1</b>	<b>52.7</b>	<b>53.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	43
65 dBA	20
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

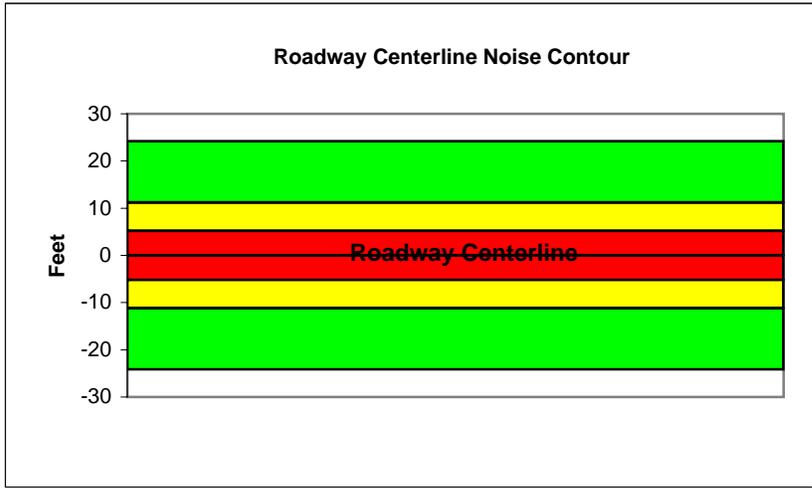
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	Old Mammoth Road to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	713			
Receiver Barrier Dist:	0	Peak Hour Traffic:	71.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.2	47.0	45.2	39.1	47.7	48.3
Medium Trucks:	46.5	38.4	32.0	30.4	38.9	39.2
Heavy Trucks:	51.0	39.0	30.0	31.2	40.8	40.9
<b>Vehicle Noise:</b>	<b>53.3</b>	<b>48.3</b>	<b>45.5</b>	<b>40.4</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	24
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

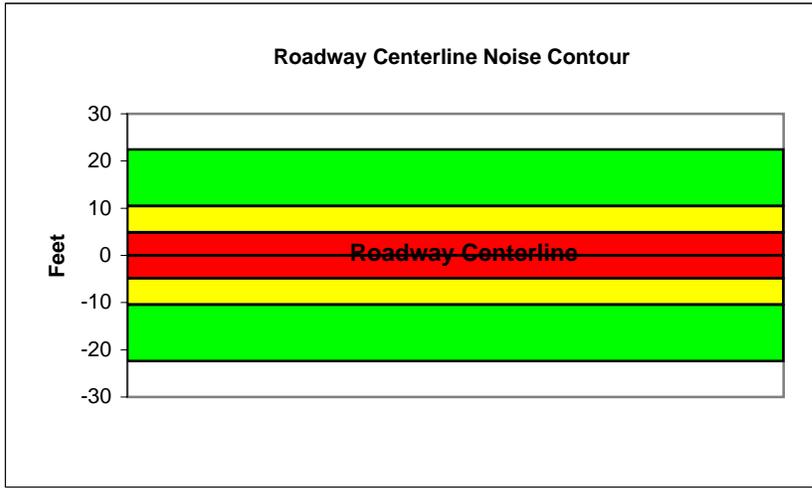
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	637			
Receiver Barrier Dist:	0	Peak Hour Traffic:	63.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.7	46.5	44.7	38.6	47.3	47.9
Medium Trucks:	46.0	37.9	31.5	29.9	38.4	38.7
Heavy Trucks:	50.5	38.6	29.5	30.7	40.3	40.4
<b>Vehicle Noise:</b>	<b>52.8</b>	<b>47.8</b>	<b>45.1</b>	<b>39.9</b>	<b>48.5</b>	<b>49.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	22
65 dBA	10
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

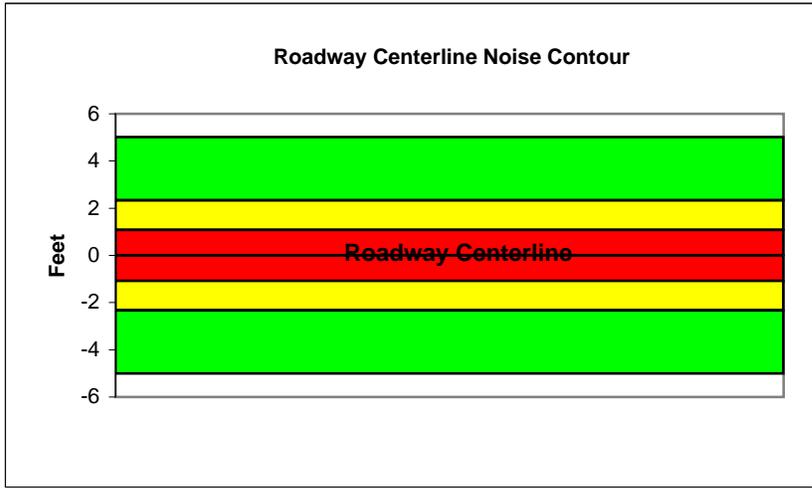
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	122			
Receiver Barrier Dist:	0	Peak Hour Traffic:	12.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	27.9	36.7	34.9	28.9	37.5	38.1
Medium Trucks:	37.7	29.6	23.2	21.6	30.1	30.4
Heavy Trucks:	42.9	30.9	21.9	23.1	33.0	33.1
<b>Vehicle Noise:</b>	<b>45.3</b>	<b>38.7</b>	<b>35.5</b>	<b>30.8</b>	<b>39.4</b>	<b>39.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

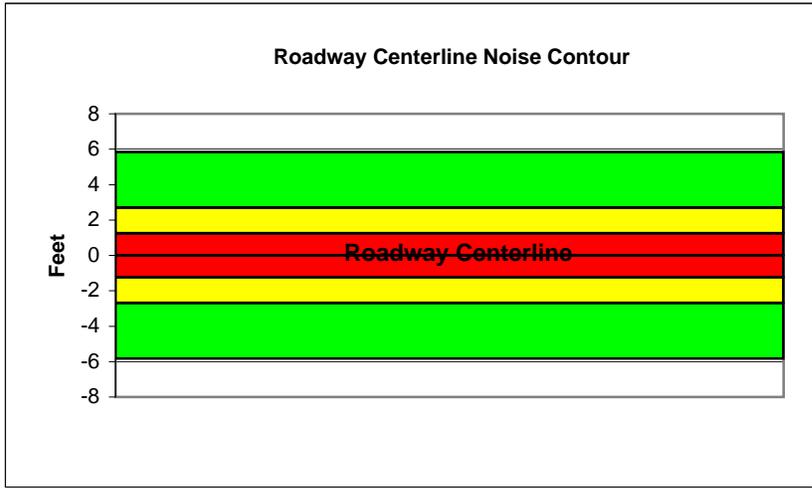
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	152			
Receiver Barrier Dist:	0	Peak Hour Traffic:	15.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.9	37.7	35.9	29.8	38.5	39.1
Medium Trucks:	38.6	30.6	24.2	22.6	31.1	31.3
Heavy Trucks:	43.8	31.9	22.8	24.1	34.0	34.1
<b>Vehicle Noise:</b>	<b>46.3</b>	<b>39.6</b>	<b>36.5</b>	<b>31.8</b>	<b>40.3</b>	<b>40.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	6
65 dBA	3
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

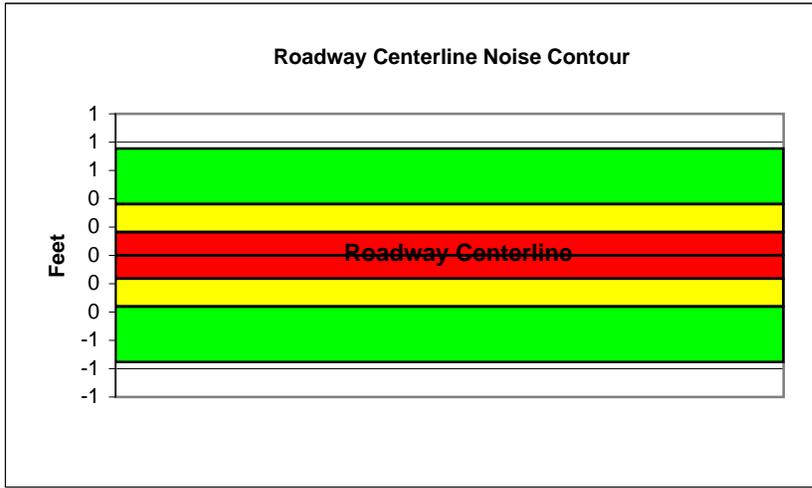
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Sierra Park Rd to South Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	7			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	15.5	24.3	22.5	16.4	25.1	25.7
Medium Trucks:	25.3	17.2	10.8	9.2	17.7	18.0
Heavy Trucks:	30.5	18.5	9.5	10.7	20.6	20.7
<b>Vehicle Noise:</b>	<b>32.9</b>	<b>26.3</b>	<b>23.1</b>	<b>18.4</b>	<b>27.0</b>	<b>27.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	1
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

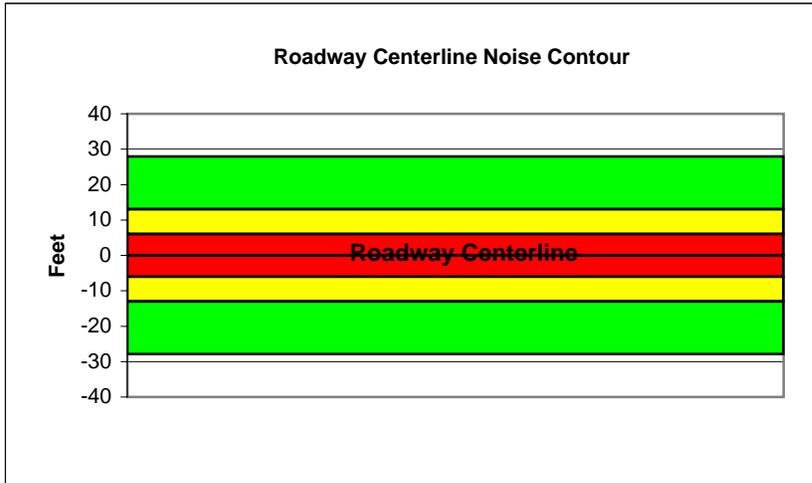
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	886			
Receiver Barrier Dist:	0	Peak Hour Traffic:	88.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	39.1	47.9	46.1	40.0	48.7	49.3
Medium Trucks:	47.4	39.3	33.0	31.4	39.9	40.1
Heavy Trucks:	51.9	40.0	30.9	32.1	41.7	41.8
<b>Vehicle Noise:</b>	<b>54.3</b>	<b>49.2</b>	<b>46.5</b>	<b>41.3</b>	<b>49.9</b>	<b>50.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	







**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

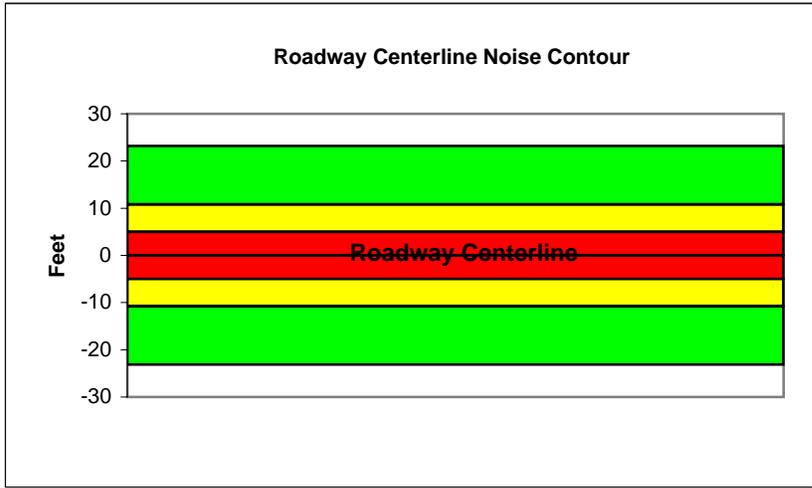
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1204			
Receiver Barrier Dist:	0	Peak Hour Traffic:	120.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.1	47.8
Medium Trucks:	47.3	39.2	32.9	31.3	39.8	40.0
Heavy Trucks:	52.5	40.6	31.5	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.3</b>	<b>45.1</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

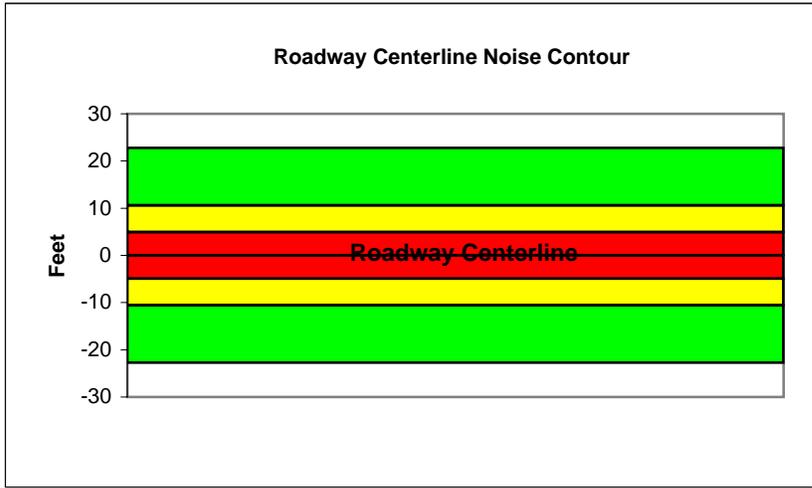
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1176			
Receiver Barrier Dist:	0	Peak Hour Traffic:	117.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.5	46.3	44.5	38.4	47.0	47.7
Medium Trucks:	47.2	39.1	32.8	31.2	39.7	39.9
Heavy Trucks:	52.4	40.5	31.4	32.7	42.6	42.7
<b>Vehicle Noise:</b>	<b>54.9</b>	<b>48.2</b>	<b>45.0</b>	<b>40.4</b>	<b>48.9</b>	<b>49.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

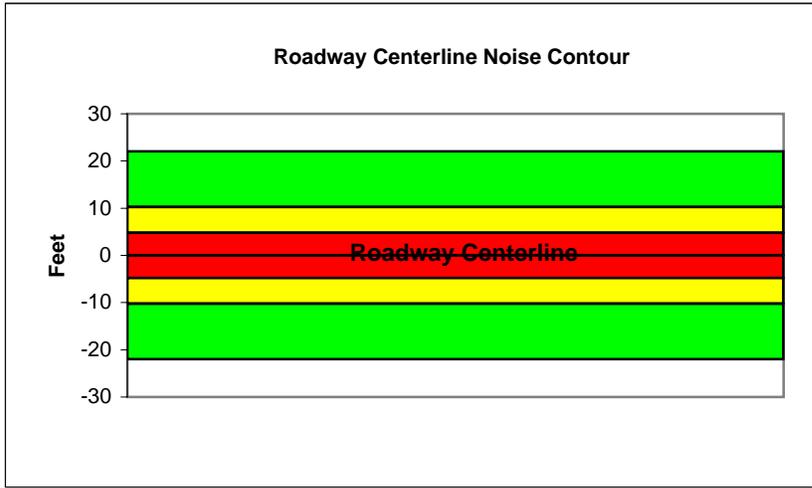
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1118			
Receiver Barrier Dist:	0	Peak Hour Traffic:	111.8			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.3	46.0	44.3	38.2	46.8	47.4
Medium Trucks:	47.0	38.9	32.5	31.0	39.5	39.7
Heavy Trucks:	52.2	40.3	31.2	32.4	42.3	42.5
<b>Vehicle Noise:</b>	<b>54.6</b>	<b>48.0</b>	<b>44.8</b>	<b>40.1</b>	<b>48.7</b>	<b>49.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	22
65 dBA	10
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

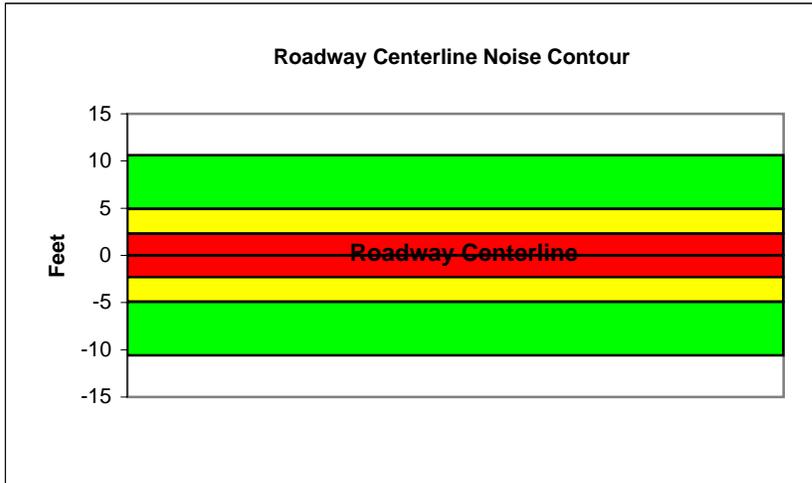
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Main Street to North Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	374			
Receiver Barrier Dist:	0	Peak Hour Traffic:	37.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.8	41.6	39.8	33.7	42.4	43.0
Medium Trucks:	42.5	34.5	28.1	26.5	35.0	35.2
Heavy Trucks:	47.7	35.8	26.8	28.0	37.9	38.0
<b>Vehicle Noise:</b>	<b>50.2</b>	<b>43.5</b>	<b>40.4</b>	<b>35.7</b>	<b>44.2</b>	<b>44.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

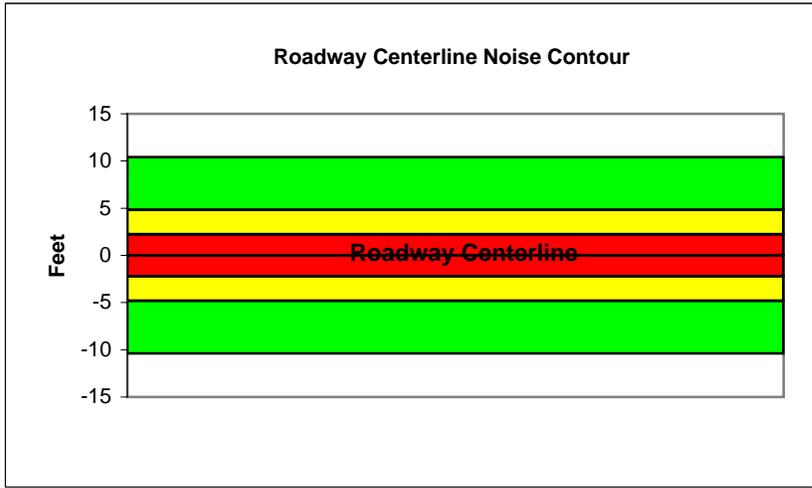
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	362			
Receiver Barrier Dist:	0	Peak Hour Traffic:	36.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.7	41.5	39.7	33.6	42.2	42.8
Medium Trucks:	42.4	34.3	27.9	26.4	34.9	35.1
Heavy Trucks:	47.6	35.7	26.6	27.8	37.7	37.9
<b>Vehicle Noise:</b>	<b>50.0</b>	<b>43.4</b>	<b>40.2</b>	<b>35.5</b>	<b>44.1</b>	<b>44.6</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	10
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

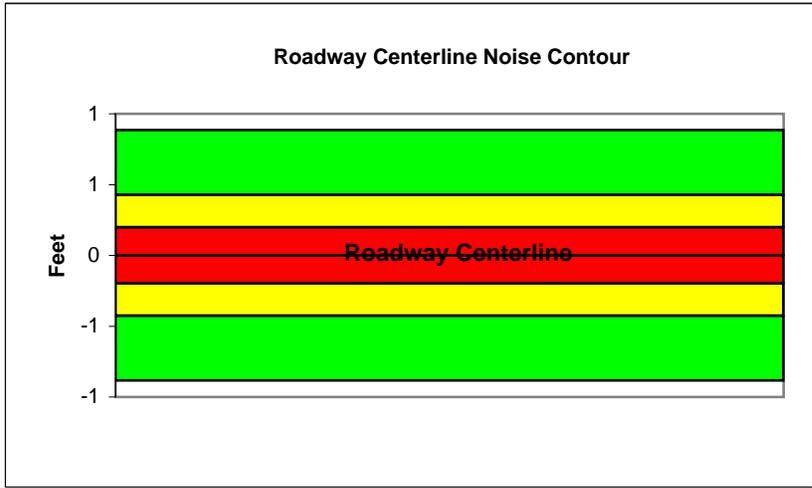
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	9			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	16.6	25.4	23.6	17.5	26.2	26.8
Medium Trucks:	26.3	18.3	11.9	10.3	18.8	19.0
Heavy Trucks:	31.6	19.6	10.6	11.8	21.7	21.8
<b>Vehicle Noise:</b>	<b>34.0</b>	<b>27.4</b>	<b>24.2</b>	<b>19.5</b>	<b>28.1</b>	<b>28.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	1
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

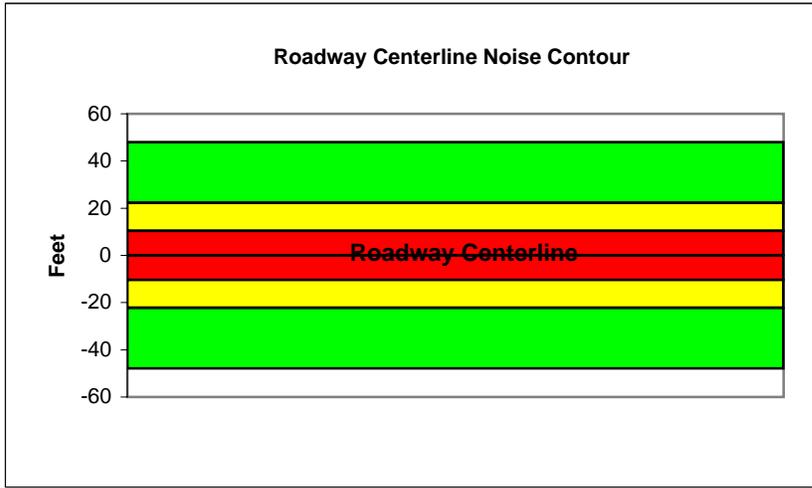
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1992			
Receiver Barrier Dist:	0	Peak Hour Traffic:	199.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	42.6	51.4	49.6	43.6	52.2	52.8
Medium Trucks:	50.9	42.9	36.5	34.9	43.4	43.6
Heavy Trucks:	55.4	43.5	34.4	35.7	45.2	45.3
<b>Vehicle Noise:</b>	<b>57.8</b>	<b>52.7</b>	<b>50.0</b>	<b>44.9</b>	<b>53.4</b>	<b>53.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	48
65 dBA	22
70 dBA	10
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

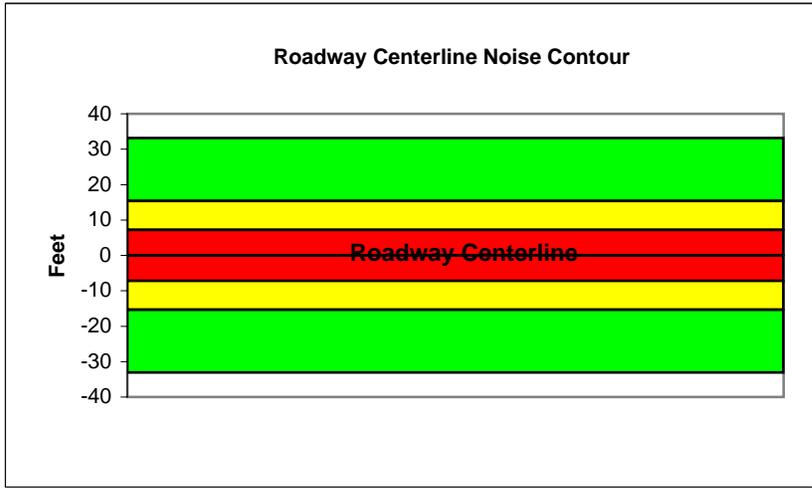
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	Old Mammoth Road to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1144			
Receiver Barrier Dist:	0	Peak Hour Traffic:	114.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.2	49.0	47.2	41.1	49.8	50.4
Medium Trucks:	48.5	40.4	34.1	32.5	41.0	41.2
Heavy Trucks:	53.0	41.1	32.0	33.3	42.8	42.9
<b>Vehicle Noise:</b>	<b>55.4</b>	<b>50.3</b>	<b>47.6</b>	<b>42.4</b>	<b>51.0</b>	<b>51.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	33
65 dBA	15
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

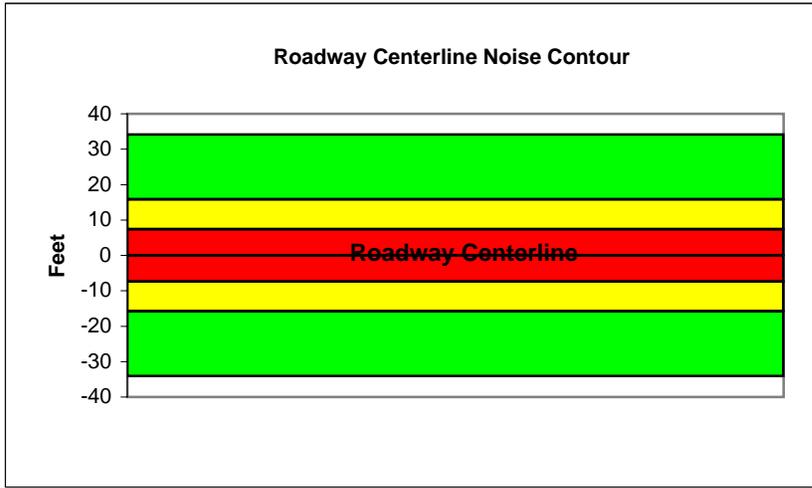
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1193			
Receiver Barrier Dist:	0	Peak Hour Traffic:	119.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.4	49.2	47.4	41.3	50.0	50.6
Medium Trucks:	48.7	40.6	34.2	32.7	41.2	41.4
Heavy Trucks:	53.2	41.3	32.2	33.4	43.0	43.1
<b>Vehicle Noise:</b>	<b>55.6</b>	<b>50.5</b>	<b>47.8</b>	<b>42.6</b>	<b>51.2</b>	<b>51.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	34
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

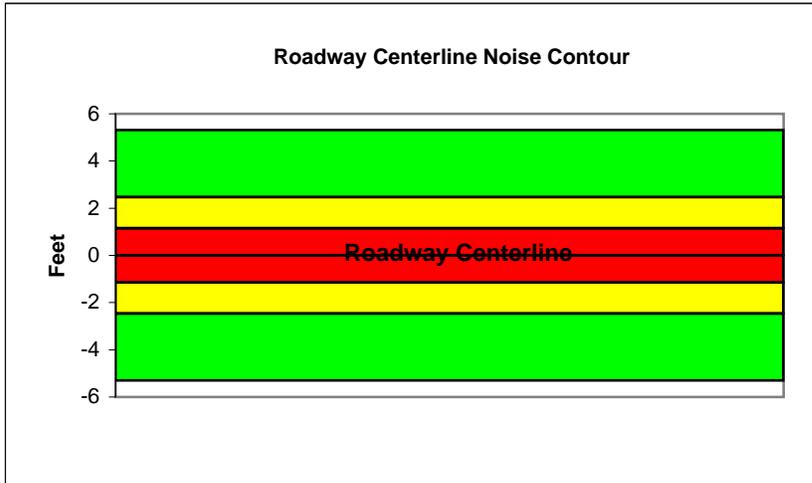
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	132			
Receiver Barrier Dist:	0	Peak Hour Traffic:	13.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.3	37.1	35.3	29.2	37.8	38.5
Medium Trucks:	38.0	29.9	23.6	22.0	30.5	30.7
Heavy Trucks:	43.2	31.3	22.2	23.5	33.4	33.5
<b>Vehicle Noise:</b>	<b>45.7</b>	<b>39.0</b>	<b>35.8</b>	<b>31.2</b>	<b>39.7</b>	<b>40.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

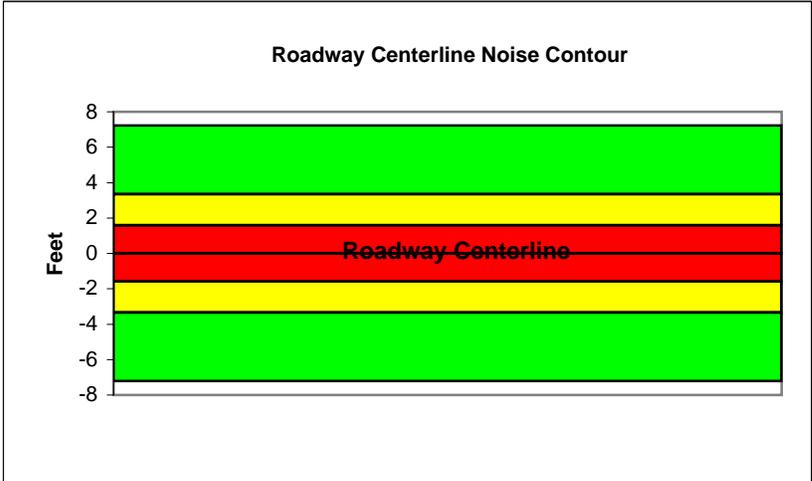
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	210			
Receiver Barrier Dist:	0	Peak Hour Traffic:	21			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	30.3	39.1	37.3	31.2	39.9	40.5
Medium Trucks:	40.0	32.0	25.6	24.0	32.5	32.7
Heavy Trucks:	45.2	33.3	24.2	25.5	35.4	35.5
<b>Vehicle Noise:</b>	<b>47.7</b>	<b>41.0</b>	<b>37.9</b>	<b>33.2</b>	<b>41.7</b>	<b>42.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	7
65 dBA	3
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

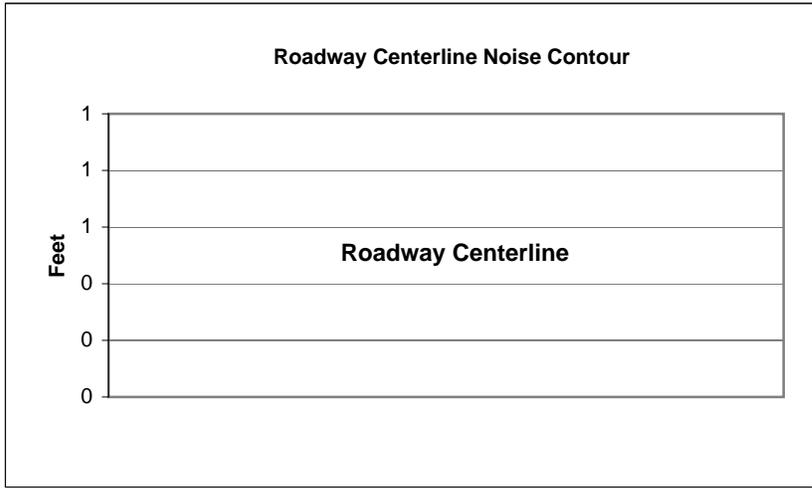
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Sierra Park Rd to South Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	0			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Medium Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Heavy Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
<b>Vehicle Noise:</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>	<b>#NUM!</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	#NUM!
65 dBA	#NUM!
70 dBA	#NUM!
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

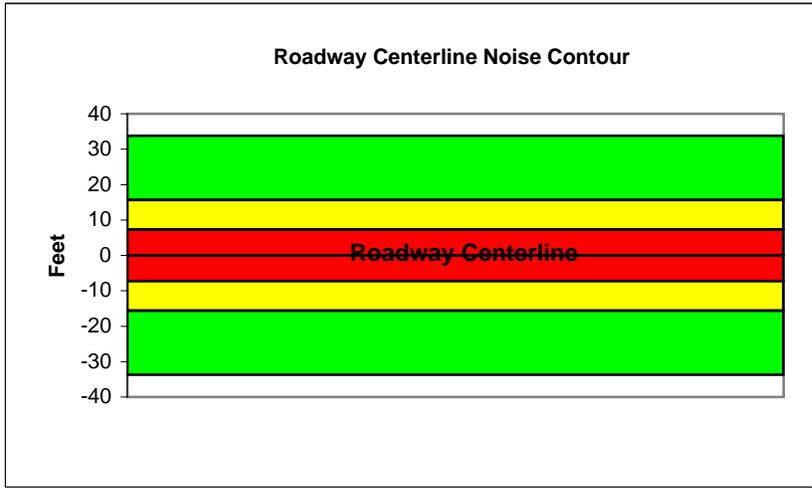
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1175			
Receiver Barrier Dist:	0	Peak Hour Traffic:	117.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.4	49.1	47.3	41.3	49.9	50.5
Medium Trucks:	48.6	40.6	34.2	32.6	41.1	41.3
Heavy Trucks:	53.1	41.2	32.2	33.4	42.9	43.0
<b>Vehicle Noise:</b>	<b>55.5</b>	<b>50.4</b>	<b>47.7</b>	<b>42.6</b>	<b>51.2</b>	<b>51.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	34
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

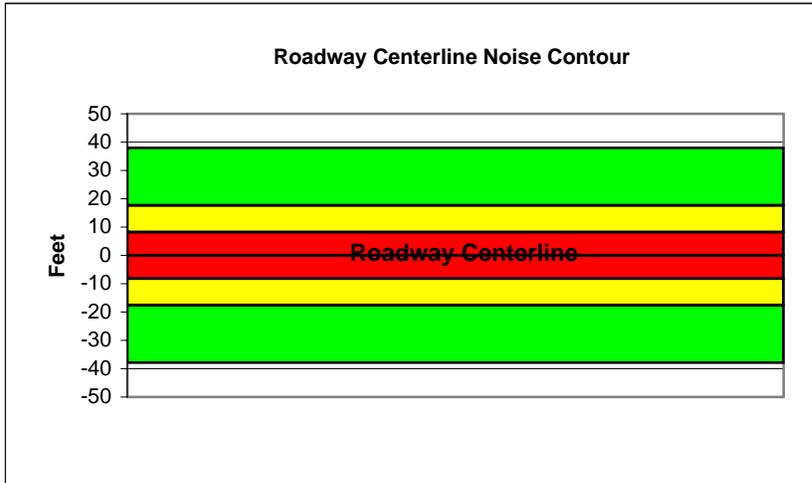
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	Old Mammoth Road to Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1401			
Receiver Barrier Dist:	0	Peak Hour Traffic:	140.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.1	49.9	48.1	42.0	50.7	51.3
Medium Trucks:	49.4	41.3	34.9	33.4	41.9	42.1
Heavy Trucks:	53.9	42.0	32.9	34.1	43.7	43.8
<b>Vehicle Noise:</b>	<b>56.2</b>	<b>51.2</b>	<b>48.5</b>	<b>43.3</b>	<b>51.9</b>	<b>52.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	38
65 dBA	18
70 dBA	8
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

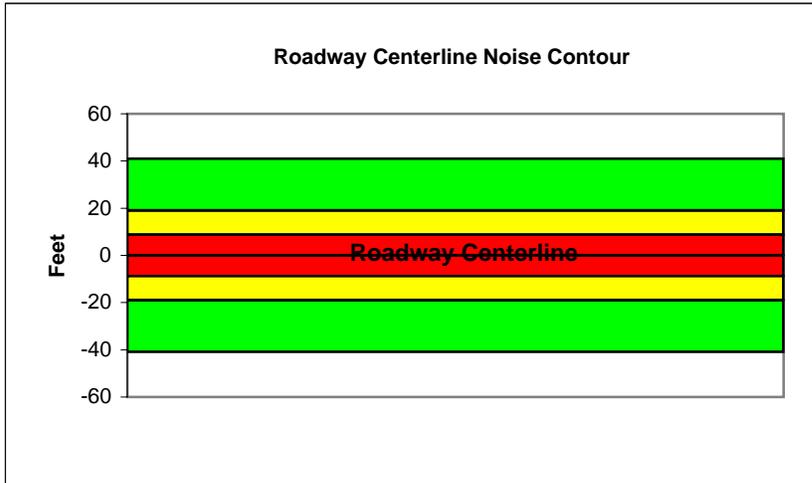
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	East of Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1575			
Receiver Barrier Dist:	0	Peak Hour Traffic:	157.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.6	50.4	48.6	42.5	51.2	51.8
Medium Trucks:	49.9	41.8	35.5	33.9	42.4	42.6
Heavy Trucks:	54.4	42.5	33.4	34.6	44.2	44.3
<b>Vehicle Noise:</b>	<b>56.8</b>	<b>51.7</b>	<b>49.0</b>	<b>43.8</b>	<b>52.4</b>	<b>52.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	41
65 dBA	19
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

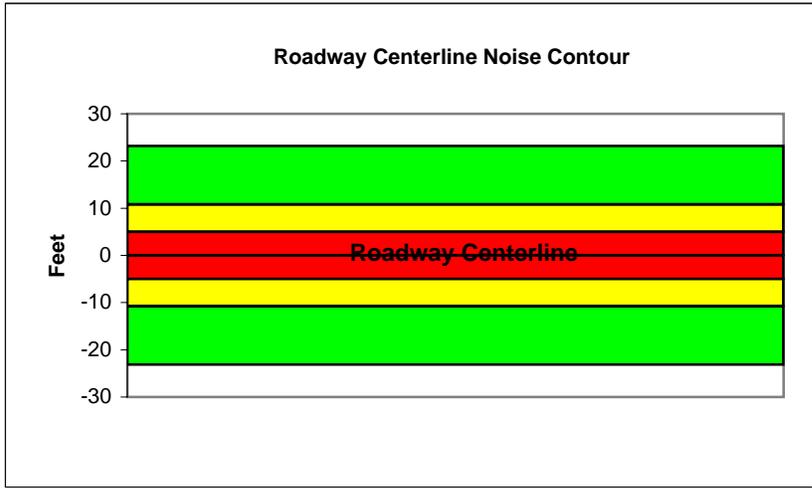
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1206			
Receiver Barrier Dist:	0	Peak Hour Traffic:	120.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.2	47.8
Medium Trucks:	47.3	39.2	32.9	31.3	39.8	40.0
Heavy Trucks:	52.5	40.6	31.5	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.3</b>	<b>45.1</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

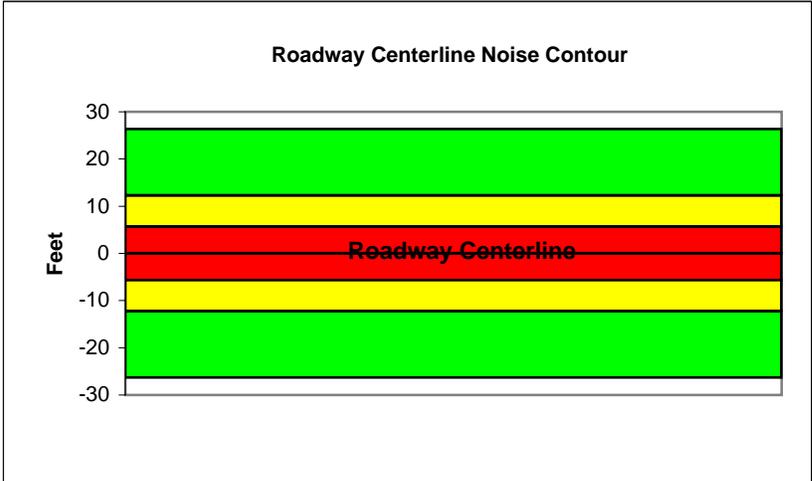
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1464			
Receiver Barrier Dist:	0	Peak Hour Traffic:	146.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.4	47.2	45.4	39.3	48.0	48.6
Medium Trucks:	48.2	40.1	33.7	32.1	40.6	40.9
Heavy Trucks:	53.4	41.4	32.4	33.6	43.5	43.6
<b>Vehicle Noise:</b>	<b>55.8</b>	<b>49.2</b>	<b>46.0</b>	<b>41.3</b>	<b>49.9</b>	<b>50.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	26
65 dBA	12
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

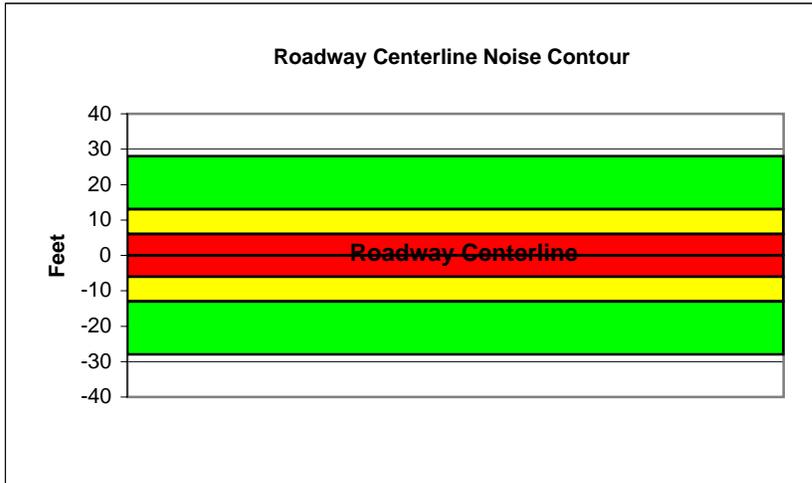
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1605			
Receiver Barrier Dist:	0	Peak Hour Traffic:	160.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.8	47.6	45.8	39.7	48.4	49.0
Medium Trucks:	48.6	40.5	34.1	32.5	41.0	41.3
Heavy Trucks:	53.8	41.8	32.8	34.0	43.9	44.0
<b>Vehicle Noise:</b>	<b>56.2</b>	<b>49.6</b>	<b>46.4</b>	<b>41.7</b>	<b>50.3</b>	<b>50.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

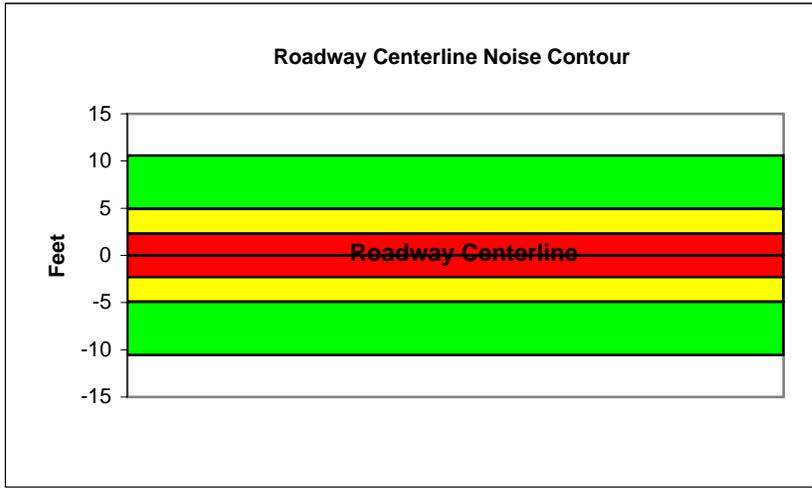
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Main Street to North Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	373			
Receiver Barrier Dist:	0	Peak Hour Traffic:	37.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.8	41.6	39.8	33.7	42.4	43.0
Medium Trucks:	42.5	34.5	28.1	26.5	35.0	35.2
Heavy Trucks:	47.7	35.8	26.7	28.0	37.9	38.0
<b>Vehicle Noise:</b>	<b>50.2</b>	<b>43.5</b>	<b>40.4</b>	<b>35.7</b>	<b>44.2</b>	<b>44.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

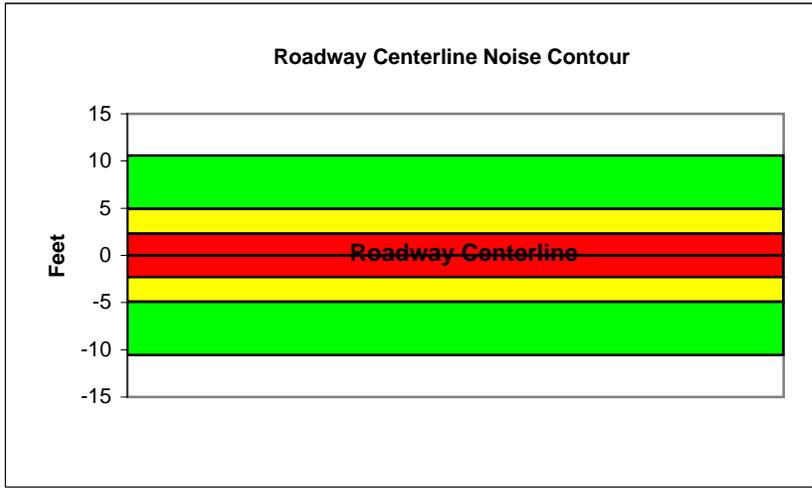
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	North Site Access to Tavern Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	373			
Receiver Barrier Dist:	0	Peak Hour Traffic:	37.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.8	41.6	39.8	33.7	42.4	43.0
Medium Trucks:	42.5	34.5	28.1	26.5	35.0	35.2
Heavy Trucks:	47.7	35.8	26.7	28.0	37.9	38.0
<b>Vehicle Noise:</b>	<b>50.2</b>	<b>43.5</b>	<b>40.4</b>	<b>35.7</b>	<b>44.2</b>	<b>44.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

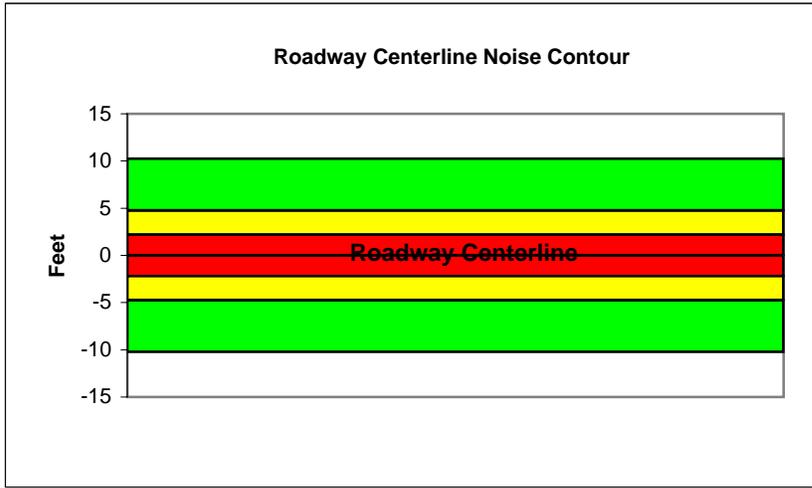
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	354			
Receiver Barrier Dist:	0	Peak Hour Traffic:	35.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.6	41.4	39.6	33.5	42.1	42.7
Medium Trucks:	42.3	34.2	27.8	26.3	34.8	35.0
Heavy Trucks:	47.5	35.6	26.5	27.7	37.6	37.8
<b>Vehicle Noise:</b>	<b>49.9</b>	<b>43.3</b>	<b>40.1</b>	<b>35.4</b>	<b>44.0</b>	<b>44.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	10
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

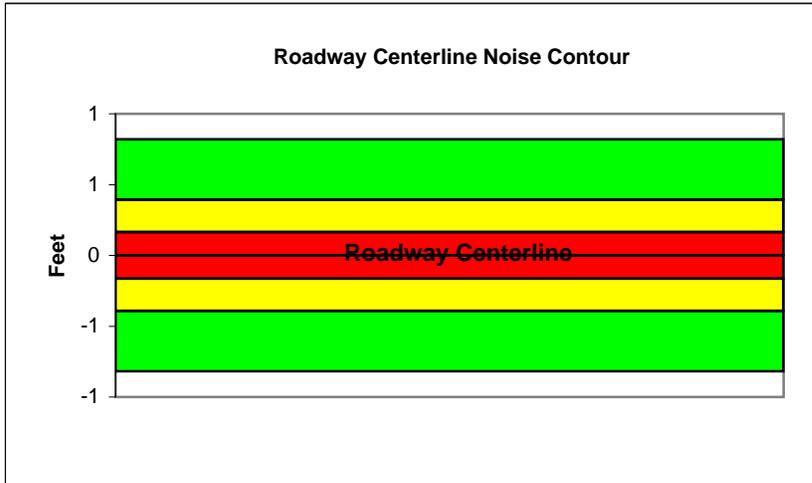
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	8			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.8			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	16.1	24.9	23.1	17.0	25.7	26.3
Medium Trucks:	25.8	17.8	11.4	9.8	18.3	18.5
Heavy Trucks:	31.1	19.1	10.1	11.3	21.2	21.3
<b>Vehicle Noise:</b>	<b>33.5</b>	<b>26.9</b>	<b>23.7</b>	<b>19.0</b>	<b>27.5</b>	<b>28.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	1
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

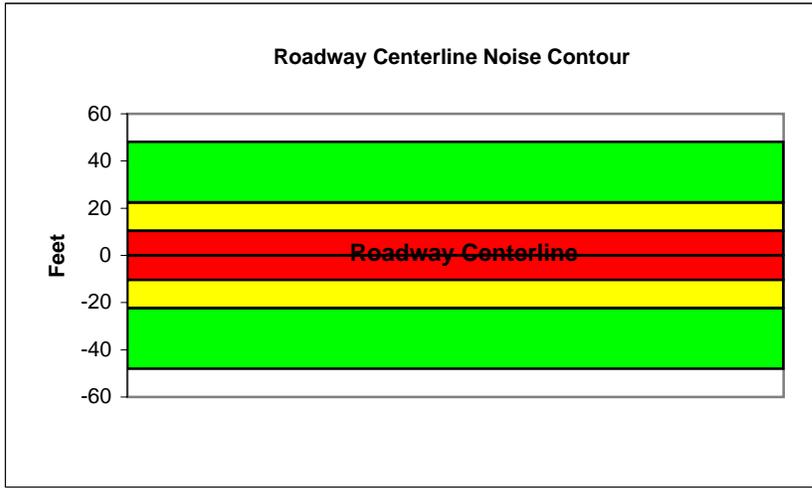
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	2004			
Receiver Barrier Dist:	0	Peak Hour Traffic:	200.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	42.7	51.4	49.7	43.6	52.2	52.8
Medium Trucks:	50.9	42.9	36.5	34.9	43.4	43.6
Heavy Trucks:	55.5	43.5	34.5	35.7	45.2	45.4
<b>Vehicle Noise:</b>	<b>57.8</b>	<b>52.8</b>	<b>50.0</b>	<b>44.9</b>	<b>53.5</b>	<b>54.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	48
65 dBA	22
70 dBA	10
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

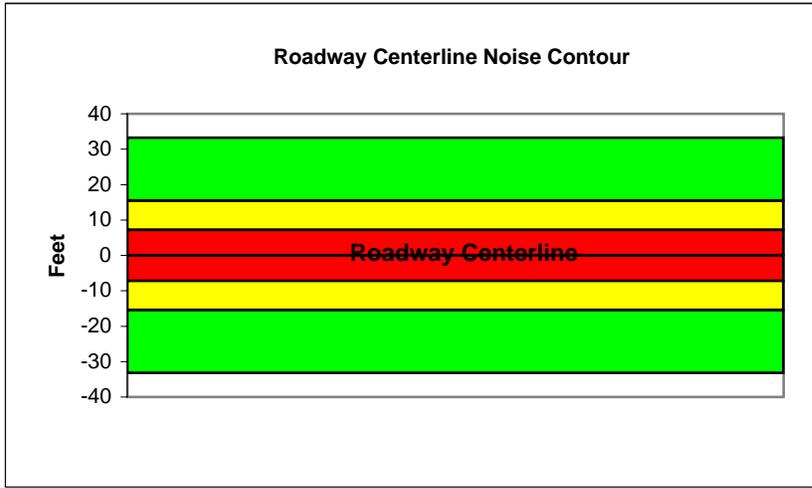
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	Old Mammoth Road to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1151			
Receiver Barrier Dist:	0	Peak Hour Traffic:	115.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.3	49.0	47.3	41.2	49.8	50.4
Medium Trucks:	48.5	40.5	34.1	32.5	41.0	41.2
Heavy Trucks:	53.1	41.1	32.1	33.3	42.8	43.0
<b>Vehicle Noise:</b>	<b>55.4</b>	<b>50.3</b>	<b>47.6</b>	<b>42.5</b>	<b>51.1</b>	<b>51.6</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	33
65 dBA	15
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

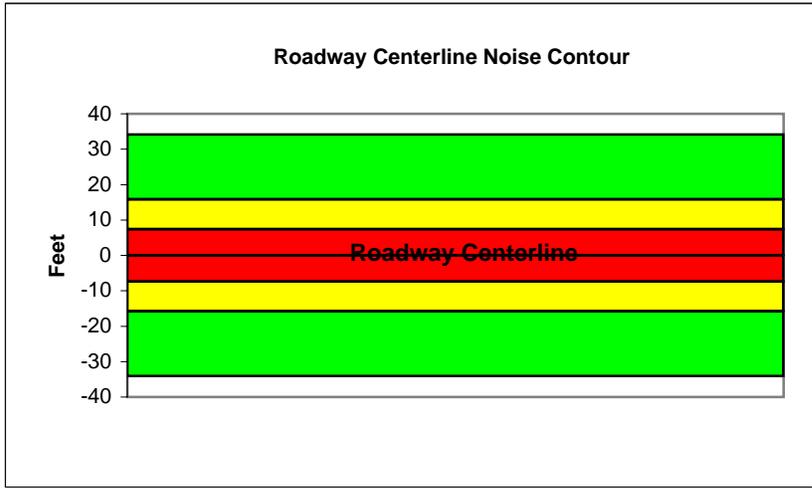
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1195			
Receiver Barrier Dist:	0	Peak Hour Traffic:	119.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.4	49.2	47.4	41.3	50.0	50.6
Medium Trucks:	48.7	40.6	34.3	32.7	41.2	41.4
Heavy Trucks:	53.2	41.3	32.2	33.4	43.0	43.1
<b>Vehicle Noise:</b>	<b>55.6</b>	<b>50.5</b>	<b>47.8</b>	<b>42.6</b>	<b>51.2</b>	<b>51.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	34
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

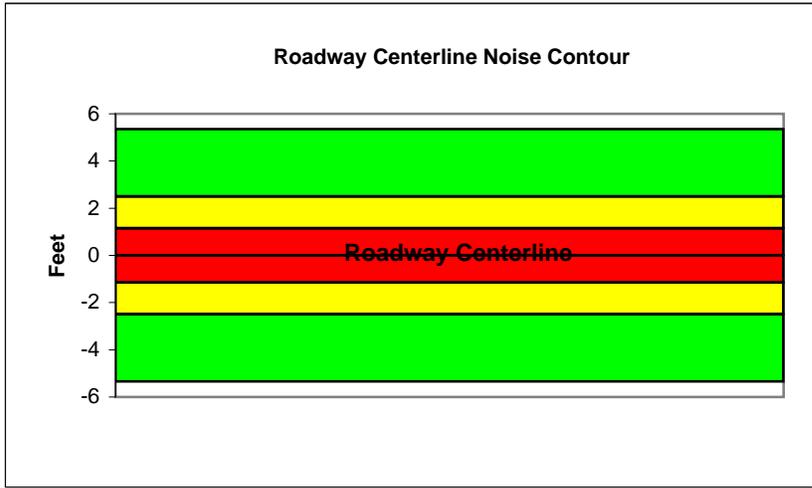
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	134			
Receiver Barrier Dist:	0	Peak Hour Traffic:	13.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.4	37.1	35.3	29.3	37.9	38.5
Medium Trucks:	38.1	30.0	23.6	22.1	30.5	30.8
Heavy Trucks:	43.3	31.4	22.3	23.5	33.4	33.5
<b>Vehicle Noise:</b>	<b>45.7</b>	<b>39.1</b>	<b>35.9</b>	<b>31.2</b>	<b>39.8</b>	<b>40.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

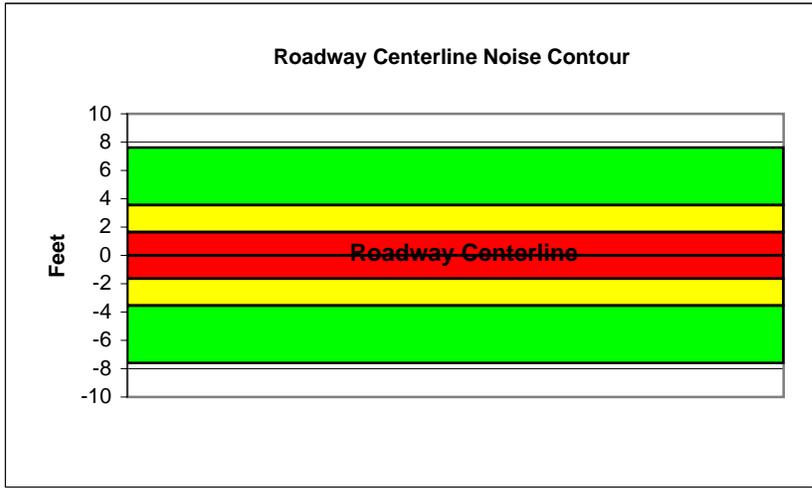
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	227			
Receiver Barrier Dist:	0	Peak Hour Traffic:	22.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	30.6	39.4	37.6	31.6	40.2	40.8
Medium Trucks:	40.4	32.3	25.9	24.3	32.8	33.1
Heavy Trucks:	45.6	33.6	24.6	25.8	35.7	35.8
<b>Vehicle Noise:</b>	<b>48.0</b>	<b>41.4</b>	<b>38.2</b>	<b>33.5</b>	<b>42.1</b>	<b>42.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	8
65 dBA	4
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

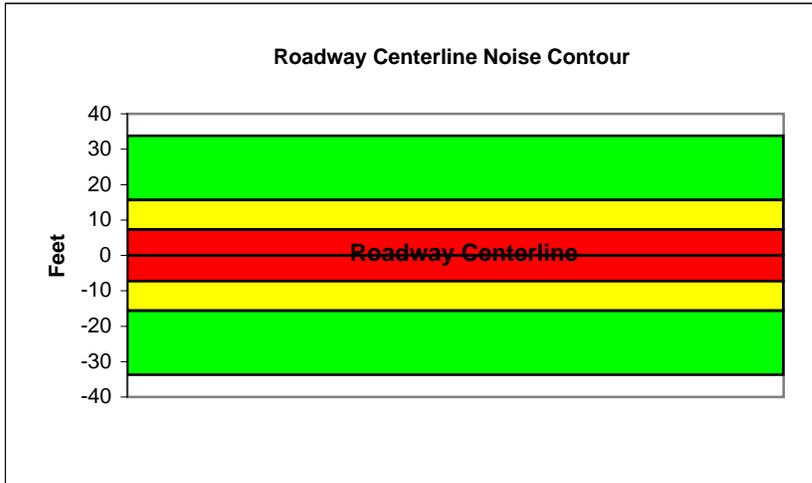
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1179			
Receiver Barrier Dist:	0	Peak Hour Traffic:	117.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.4	49.1	47.4	41.3	49.9	50.5
Medium Trucks:	48.6	40.6	34.2	32.6	41.1	41.3
Heavy Trucks:	53.2	41.2	32.2	33.4	42.9	43.1
<b>Vehicle Noise:</b>	<b>55.5</b>	<b>50.4</b>	<b>47.7</b>	<b>42.6</b>	<b>51.2</b>	<b>51.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	34
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

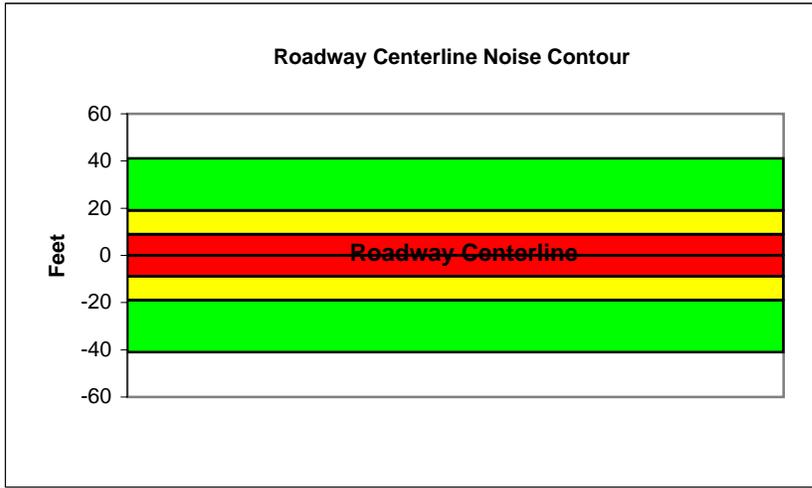
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	East of Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1577			
Receiver Barrier Dist:	0	Peak Hour Traffic:	157.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.6	50.4	48.6	42.5	51.2	51.8
Medium Trucks:	49.9	41.8	35.5	33.9	42.4	42.6
Heavy Trucks:	54.4	42.5	33.4	34.7	44.2	44.3
<b>Vehicle Noise:</b>	<b>56.8</b>	<b>51.7</b>	<b>49.0</b>	<b>43.8</b>	<b>52.4</b>	<b>52.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	41
65 dBA	19
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

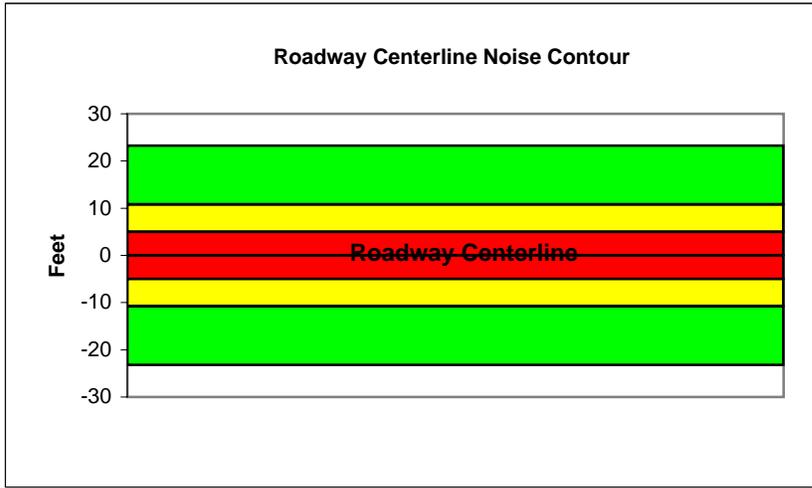
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1212			
Receiver Barrier Dist:	0	Peak Hour Traffic:	121.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.2	47.8
Medium Trucks:	47.3	39.3	32.9	31.3	39.8	40.0
Heavy Trucks:	52.6	40.6	31.6	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.4</b>	<b>45.2</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

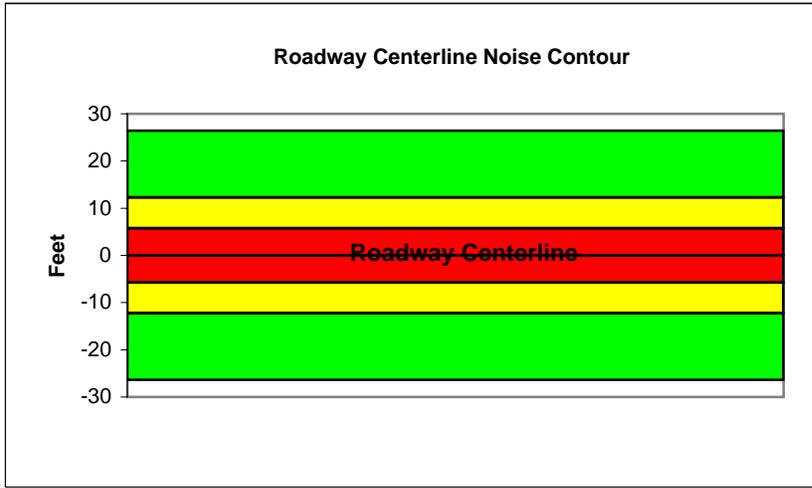
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1469			
Receiver Barrier Dist:	0	Peak Hour Traffic:	146.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.5	47.2	45.4	39.4	48.0	48.6
Medium Trucks:	48.2	40.1	33.7	32.1	40.6	40.9
Heavy Trucks:	53.4	41.5	32.4	33.6	43.5	43.6
<b>Vehicle Noise:</b>	<b>55.8</b>	<b>49.2</b>	<b>46.0</b>	<b>41.3</b>	<b>49.9</b>	<b>50.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	26
65 dBA	12
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

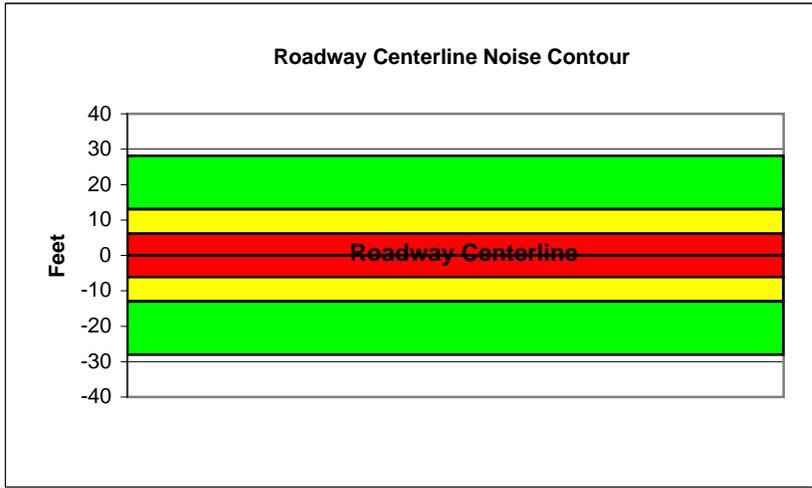
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1611			
Receiver Barrier Dist:	0	Peak Hour Traffic:	161.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.9	47.6	45.8	39.8	48.4	49.0
Medium Trucks:	48.6	40.5	34.1	32.5	41.0	41.3
Heavy Trucks:	53.8	41.9	32.8	34.0	43.9	44.0
<b>Vehicle Noise:</b>	<b>56.2</b>	<b>49.6</b>	<b>46.4</b>	<b>41.7</b>	<b>50.3</b>	<b>50.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

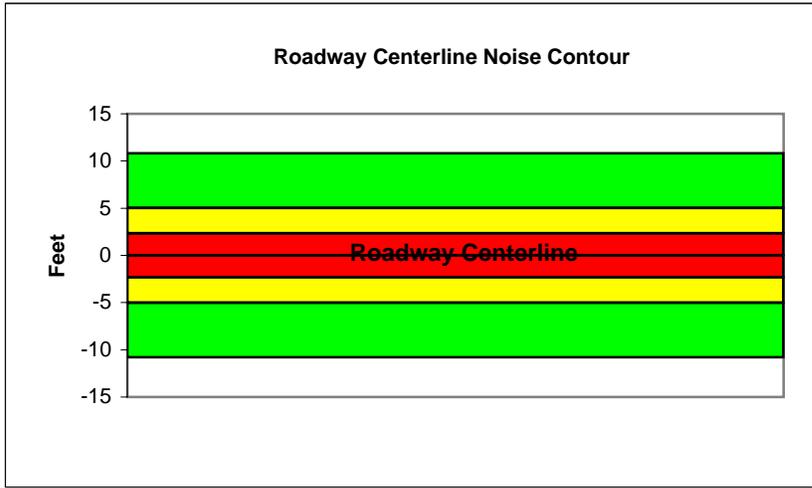
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Main Street to North Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	384			
Receiver Barrier Dist:	0	Peak Hour Traffic:	38.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.9	41.7	39.9	33.8	42.5	43.1
Medium Trucks:	42.6	34.6	28.2	26.6	35.1	35.3
Heavy Trucks:	47.9	35.9	26.9	28.1	38.0	38.1
<b>Vehicle Noise:</b>	<b>50.3</b>	<b>43.7</b>	<b>40.5</b>	<b>35.8</b>	<b>44.4</b>	<b>44.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

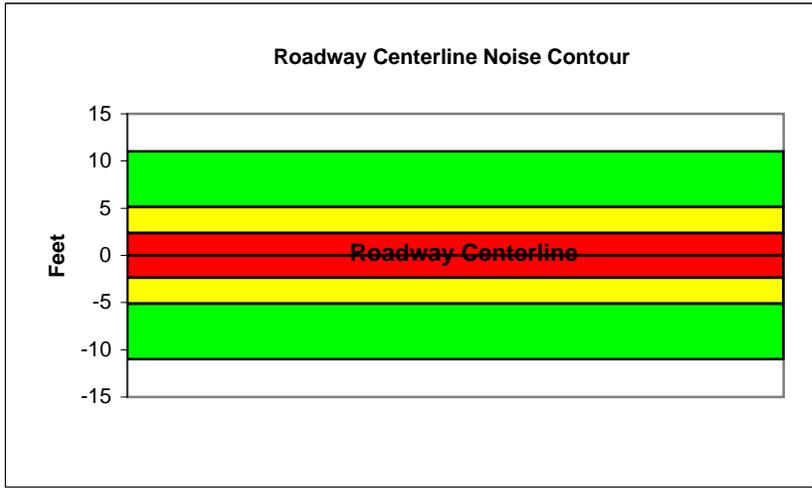
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	North Site Access to Tavern Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	395			
Receiver Barrier Dist:	0	Peak Hour Traffic:	39.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	33.1	41.8	40.0	34.0	42.6	43.2
Medium Trucks:	42.8	34.7	28.3	26.7	35.2	35.5
Heavy Trucks:	48.0	36.0	27.0	28.2	38.1	38.2
<b>Vehicle Noise:</b>	<b>50.4</b>	<b>43.8</b>	<b>40.6</b>	<b>35.9</b>	<b>44.5</b>	<b>44.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

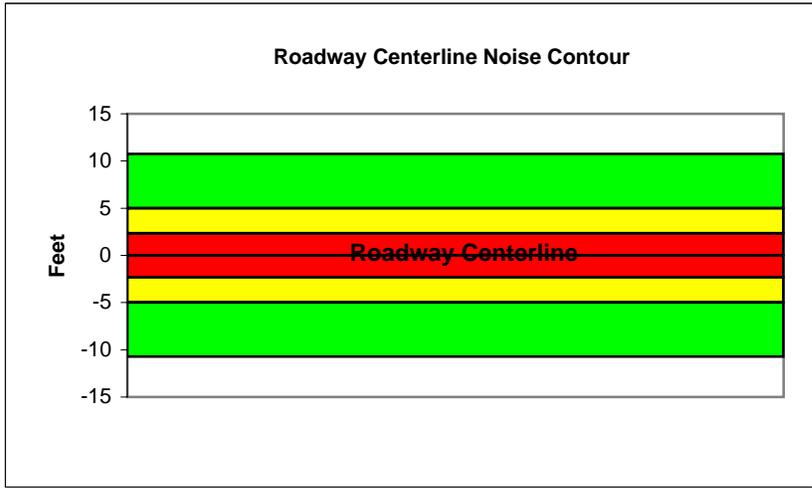
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	381			
Receiver Barrier Dist:	0	Peak Hour Traffic:	38.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	32.9	41.7	39.9	33.8	42.5	43.1
Medium Trucks:	42.6	34.5	28.2	26.6	35.1	35.3
Heavy Trucks:	47.8	35.9	26.8	28.1	38.0	38.1
<b>Vehicle Noise:</b>	<b>50.3</b>	<b>43.6</b>	<b>40.4</b>	<b>35.8</b>	<b>44.3</b>	<b>44.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

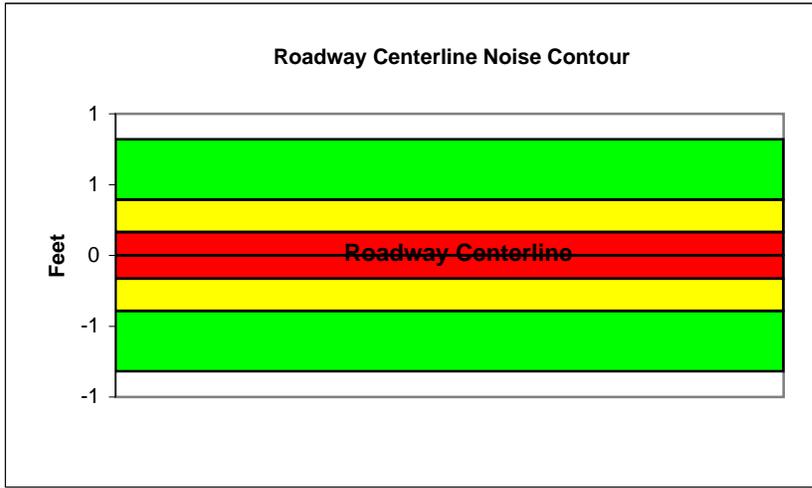
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	8			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.8			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	16.1	24.9	23.1	17.0	25.7	26.3
Medium Trucks:	25.8	17.8	11.4	9.8	18.3	18.5
Heavy Trucks:	31.1	19.1	10.1	11.3	21.2	21.3
<b>Vehicle Noise:</b>	<b>33.5</b>	<b>26.9</b>	<b>23.7</b>	<b>19.0</b>	<b>27.5</b>	<b>28.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	1
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

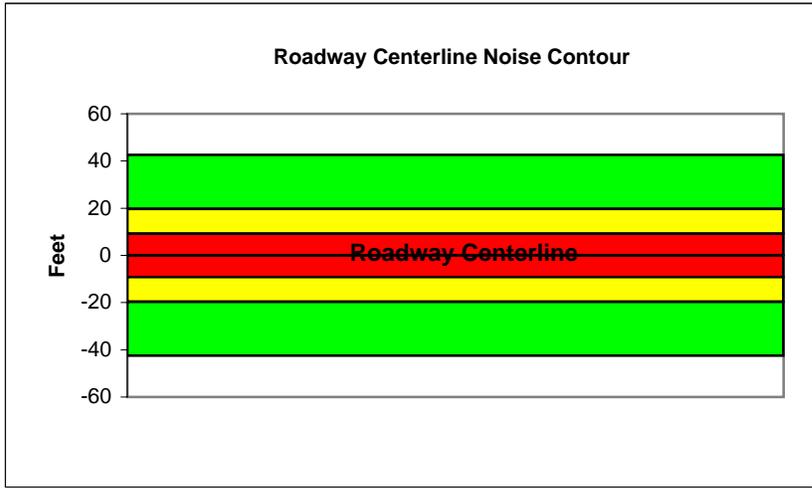
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1662			
Receiver Barrier Dist:	0	Peak Hour Traffic:	166.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.9	50.6	48.8	42.8	51.4	52.0
Medium Trucks:	50.1	42.1	35.7	34.1	42.6	42.8
Heavy Trucks:	54.7	42.7	33.7	34.9	44.4	44.6
<b>Vehicle Noise:</b>	<b>57.0</b>	<b>51.9</b>	<b>49.2</b>	<b>44.1</b>	<b>52.7</b>	<b>53.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	43
65 dBA	20
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

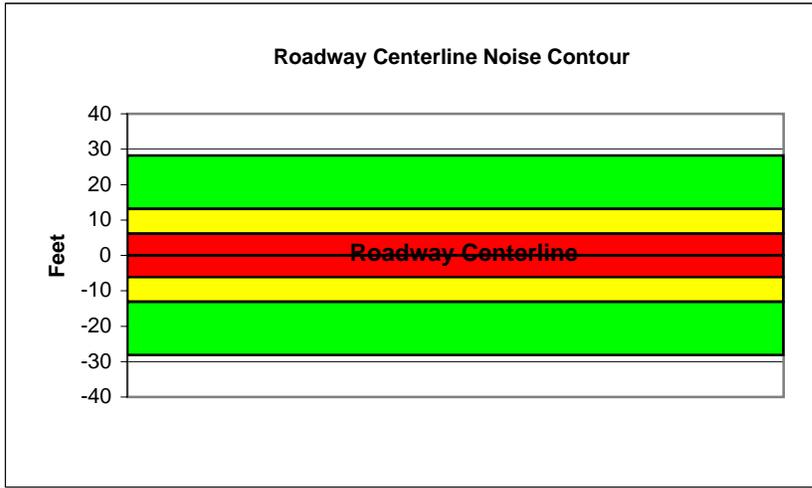
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	Old Mammoth Road to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	899			
Receiver Barrier Dist:	0	Peak Hour Traffic:	89.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	39.2	48.0	46.2	40.1	48.7	49.4
Medium Trucks:	47.5	39.4	33.0	31.4	39.9	40.2
Heavy Trucks:	52.0	40.0	31.0	32.2	41.8	41.9
<b>Vehicle Noise:</b>	<b>54.3</b>	<b>49.3</b>	<b>46.5</b>	<b>41.4</b>	<b>50.0</b>	<b>50.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

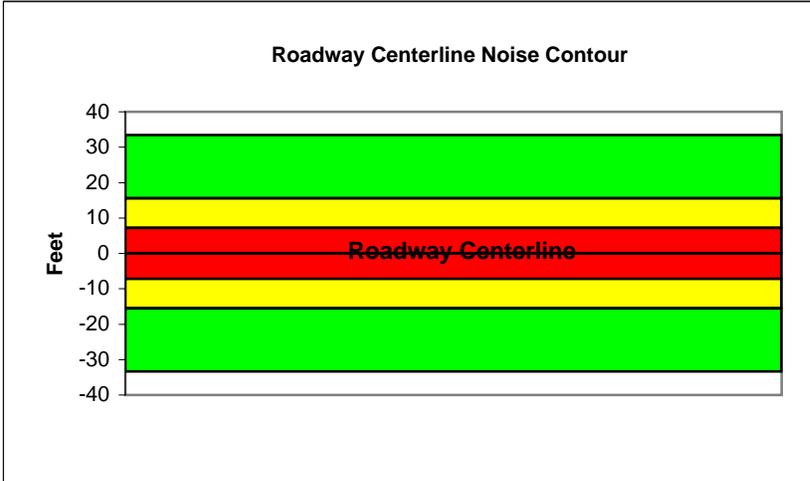
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1160			
Receiver Barrier Dist:	0	Peak Hour Traffic:	116			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.3	49.1	47.3	41.2	49.9	50.5
Medium Trucks:	48.6	40.5	34.1	32.5	41.0	41.3
Heavy Trucks:	53.1	41.2	32.1	33.3	42.9	43.0
<b>Vehicle Noise:</b>	<b>55.4</b>	<b>50.4</b>	<b>47.7</b>	<b>42.5</b>	<b>51.1</b>	<b>51.6</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	33
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

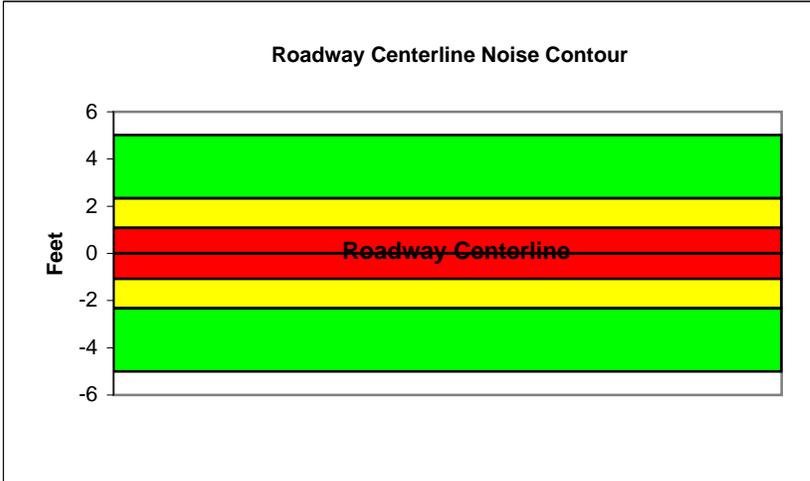
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	122			
Receiver Barrier Dist:	0	Peak Hour Traffic:	12.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	27.9	36.7	34.9	28.9	37.5	38.1
Medium Trucks:	37.7	29.6	23.2	21.6	30.1	30.4
Heavy Trucks:	42.9	30.9	21.9	23.1	33.0	33.1
<b>Vehicle Noise:</b>	<b>45.3</b>	<b>38.7</b>	<b>35.5</b>	<b>30.8</b>	<b>39.4</b>	<b>39.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

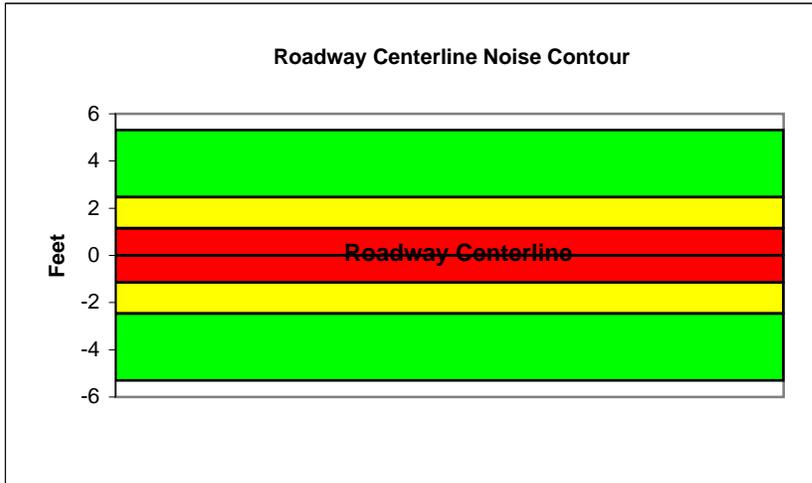
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	133			
Receiver Barrier Dist:	0	Peak Hour Traffic:	13.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.3	37.1	35.3	29.2	37.9	38.5
Medium Trucks:	38.0	30.0	23.6	22.0	30.5	30.7
Heavy Trucks:	43.3	31.3	22.3	23.5	33.4	33.5
<b>Vehicle Noise:</b>	<b>45.7</b>	<b>39.1</b>	<b>35.9</b>	<b>31.2</b>	<b>39.8</b>	<b>40.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

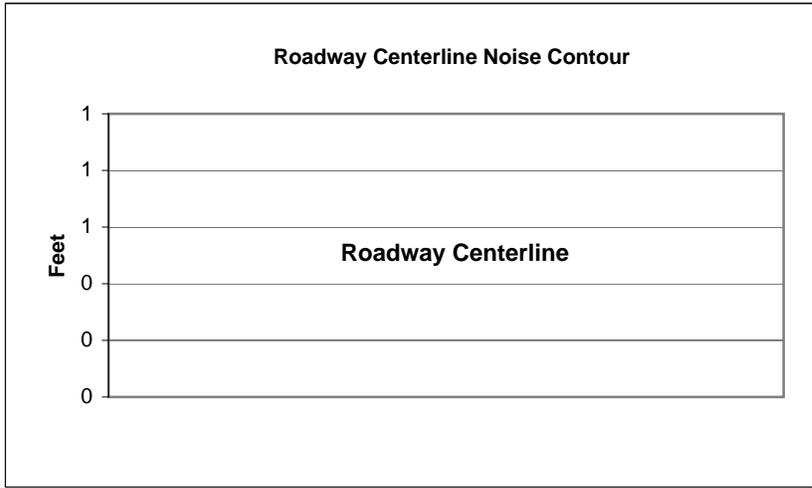
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Sierra Park Rd to South Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	0			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Medium Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Heavy Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
<b>Vehicle Noise:</b>	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	#NUM!
65 dBA	#NUM!
70 dBA	#NUM!
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

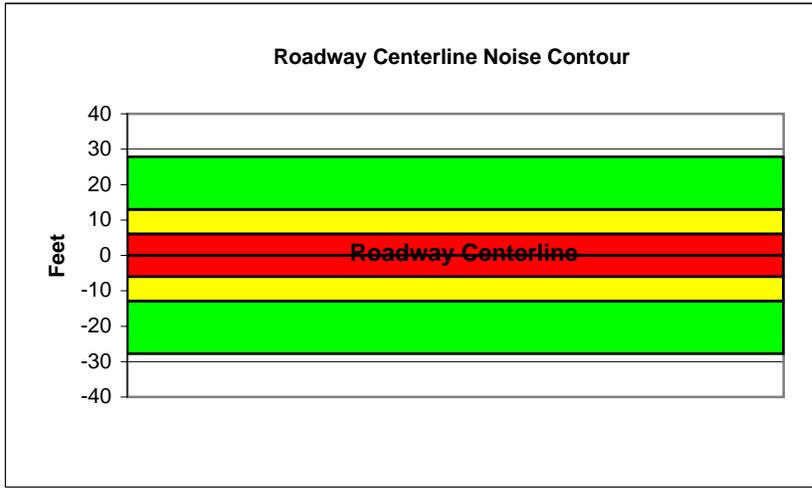
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	882			
Receiver Barrier Dist:	0	Peak Hour Traffic:	88.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	39.1	47.9	46.1	40.0	48.7	49.3
Medium Trucks:	47.4	39.3	32.9	31.4	39.8	40.1
Heavy Trucks:	51.9	40.0	30.9	32.1	41.7	41.8
<b>Vehicle Noise:</b>	<b>54.2</b>	<b>49.2</b>	<b>46.5</b>	<b>41.3</b>	<b>49.9</b>	<b>50.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

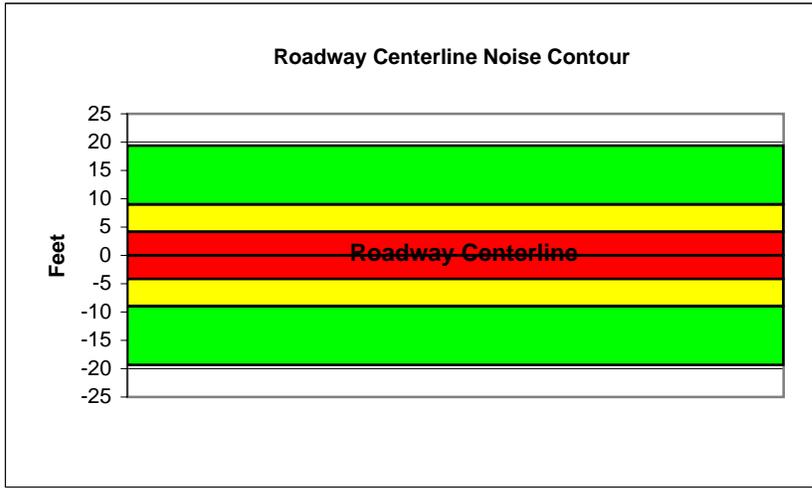
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	Old Mammoth Road to Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	511			
Receiver Barrier Dist:	0	Peak Hour Traffic:	51.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	36.7	45.5	43.7	37.6	46.3	46.9
Medium Trucks:	45.0	36.9	30.6	29.0	37.5	37.7
Heavy Trucks:	49.5	37.6	28.5	29.8	39.3	39.4
<b>Vehicle Noise:</b>	<b>51.9</b>	<b>46.8</b>	<b>44.1</b>	<b>38.9</b>	<b>47.5</b>	<b>48.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	19
65 dBA	9
70 dBA	4
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

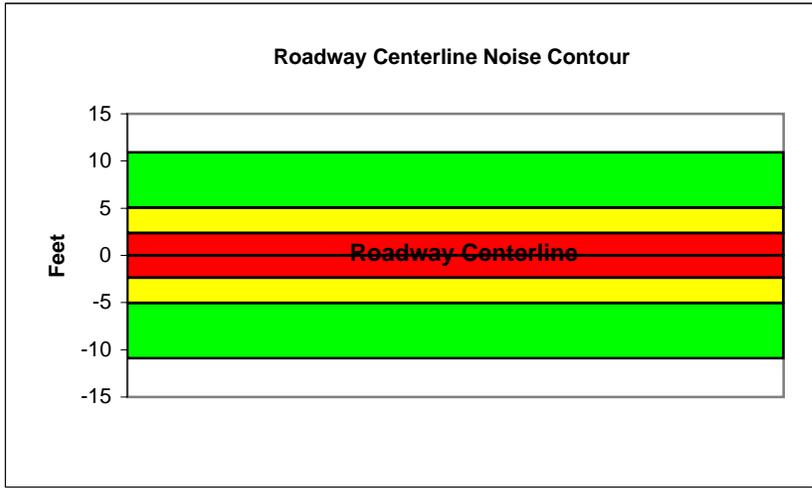
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	East of Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	216			
Receiver Barrier Dist:	0	Peak Hour Traffic:	21.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	33.0	41.8	40.0	33.9	42.6	43.2
Medium Trucks:	41.3	33.2	26.8	25.2	33.7	34.0
Heavy Trucks:	45.8	33.9	24.8	26.0	35.6	35.7
<b>Vehicle Noise:</b>	<b>48.1</b>	<b>43.1</b>	<b>40.4</b>	<b>35.2</b>	<b>43.8</b>	<b>44.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

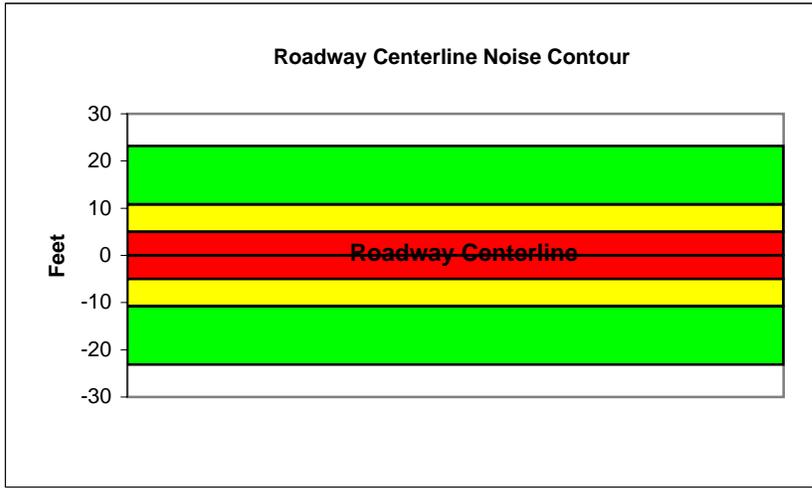
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1204			
Receiver Barrier Dist:	0	Peak Hour Traffic:	120.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.1	47.8
Medium Trucks:	47.3	39.2	32.9	31.3	39.8	40.0
Heavy Trucks:	52.5	40.6	31.5	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.3</b>	<b>45.1</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

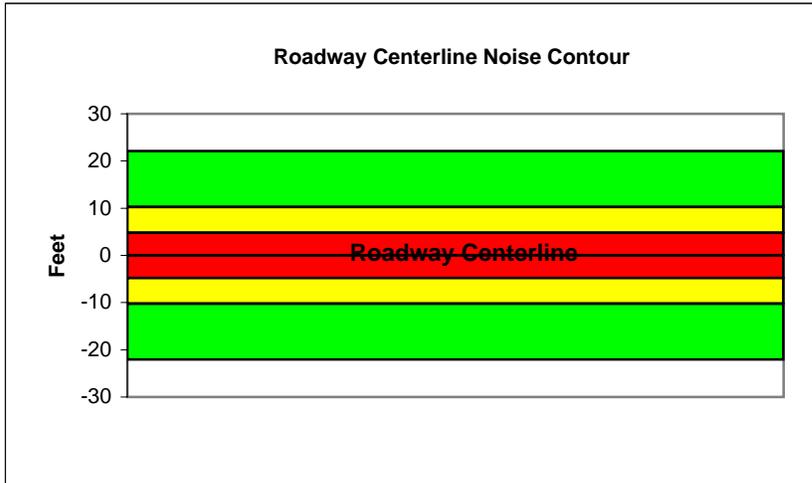
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1122			
Receiver Barrier Dist:	0	Peak Hour Traffic:	112.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.3	46.1	44.3	38.2	46.8	47.4
Medium Trucks:	47.0	38.9	32.6	31.0	39.5	39.7
Heavy Trucks:	52.2	40.3	31.2	32.4	42.4	42.5
<b>Vehicle Noise:</b>	<b>54.7</b>	<b>48.0</b>	<b>44.8</b>	<b>40.1</b>	<b>48.7</b>	<b>49.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	22
65 dBA	10
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

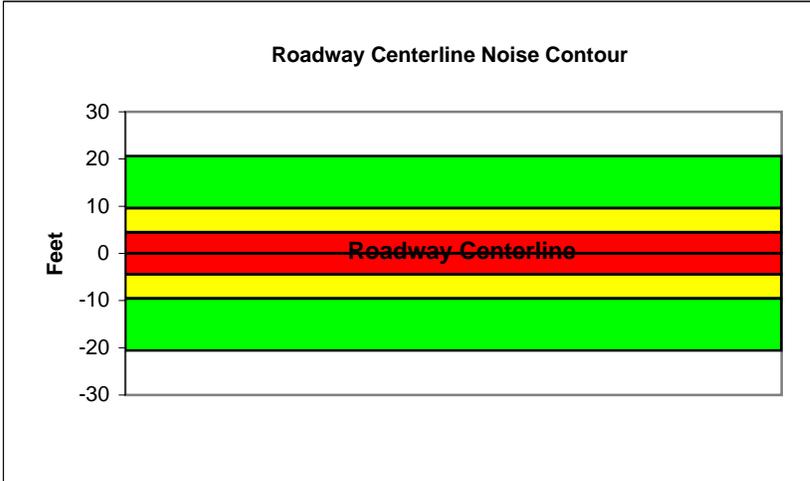
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1014			
Receiver Barrier Dist:	0	Peak Hour Traffic:	101.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	36.8	45.6	43.8	37.8	46.4	47.0
Medium Trucks:	46.6	38.5	32.1	30.5	39.0	39.3
Heavy Trucks:	51.8	39.8	30.8	32.0	41.9	42.0
<b>Vehicle Noise:</b>	<b>54.2</b>	<b>47.6</b>	<b>44.4</b>	<b>39.7</b>	<b>48.3</b>	<b>48.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	21
65 dBA	10
70 dBA	4
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

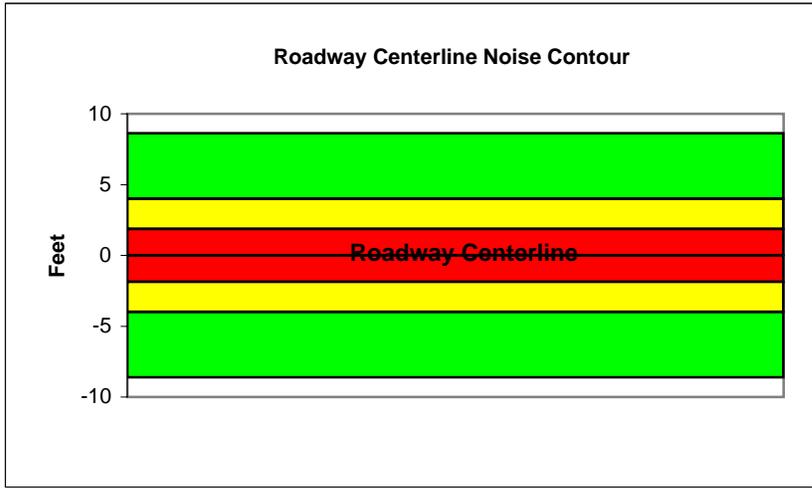
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Main Street to North Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	273			
Receiver Barrier Dist:	0	Peak Hour Traffic:	27.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	31.4	40.2	38.4	32.4	41.0	41.6
Medium Trucks:	41.2	33.1	26.7	25.1	33.6	33.9
Heavy Trucks:	46.4	34.4	25.4	26.6	36.5	36.6
<b>Vehicle Noise:</b>	<b>48.8</b>	<b>42.2</b>	<b>39.0</b>	<b>34.3</b>	<b>42.9</b>	<b>43.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	9
65 dBA	4
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

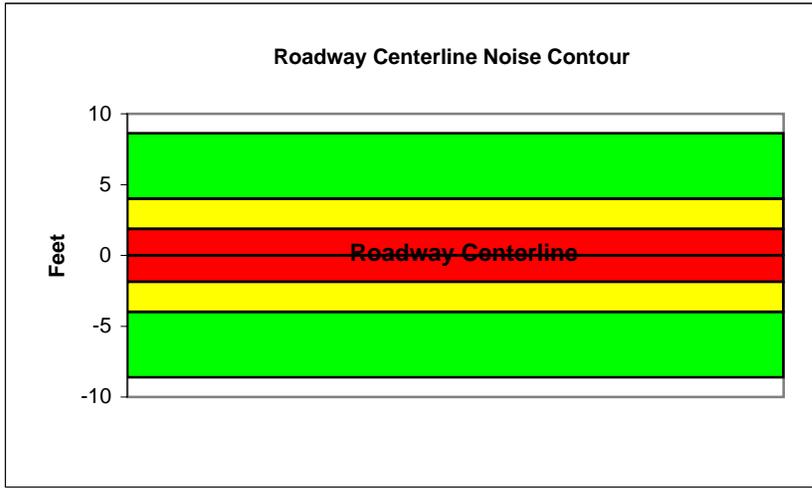
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	North Site Access to Tavern Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	273			
Receiver Barrier Dist:	0	Peak Hour Traffic:	27.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	31.4	40.2	38.4	32.4	41.0	41.6
Medium Trucks:	41.2	33.1	26.7	25.1	33.6	33.9
Heavy Trucks:	46.4	34.4	25.4	26.6	36.5	36.6
<b>Vehicle Noise:</b>	<b>48.8</b>	<b>42.2</b>	<b>39.0</b>	<b>34.3</b>	<b>42.9</b>	<b>43.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	9
65 dBA	4
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

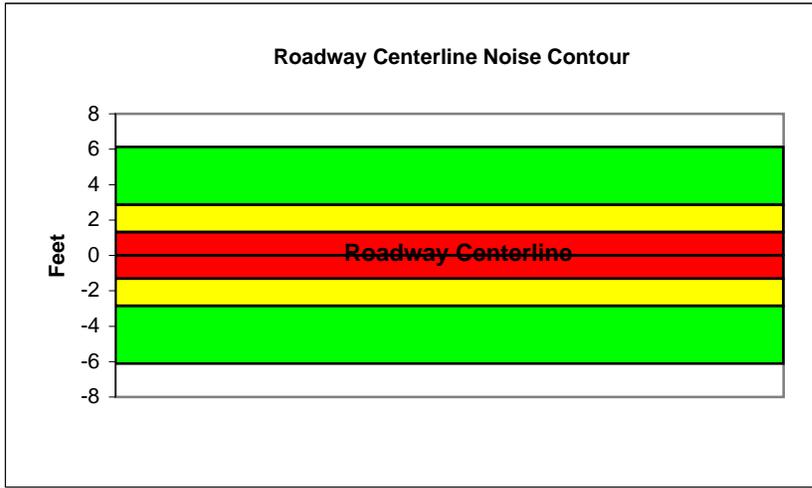
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	164			
Receiver Barrier Dist:	0	Peak Hour Traffic:	16.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	29.2	38.0	36.2	30.1	38.8	39.4
Medium Trucks:	39.0	30.9	24.5	22.9	31.4	31.6
Heavy Trucks:	44.2	32.2	23.2	24.4	34.3	34.4
<b>Vehicle Noise:</b>	<b>46.6</b>	<b>40.0</b>	<b>36.8</b>	<b>32.1</b>	<b>40.7</b>	<b>41.1</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	6
65 dBA	3
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

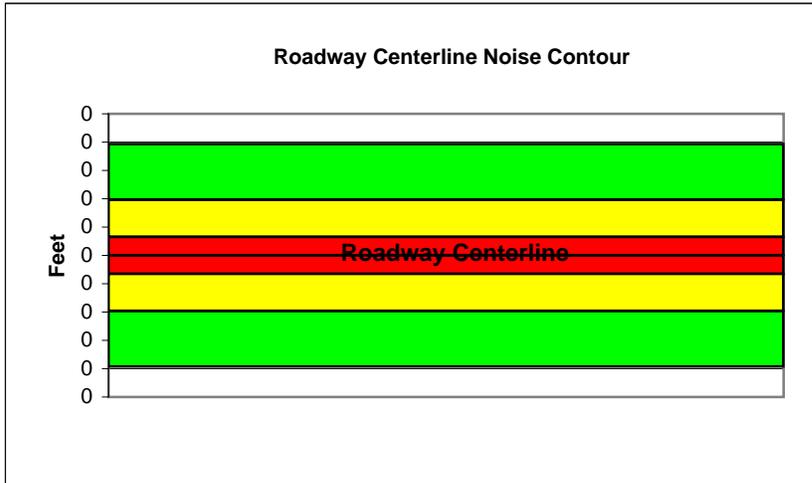
Project Name:	Mammoth Police Station	Scenario:	Existing
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	7.1	15.9	14.1	8.0	16.6	17.2
Medium Trucks:	16.8	8.7	2.4	0.8	9.3	9.5
Heavy Trucks:	22.0	10.1	1.0	2.2	12.2	12.3
<b>Vehicle Noise:</b>	<b>24.5</b>	<b>17.8</b>	<b>14.6</b>	<b>9.9</b>	<b>18.5</b>	<b>19.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	0
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

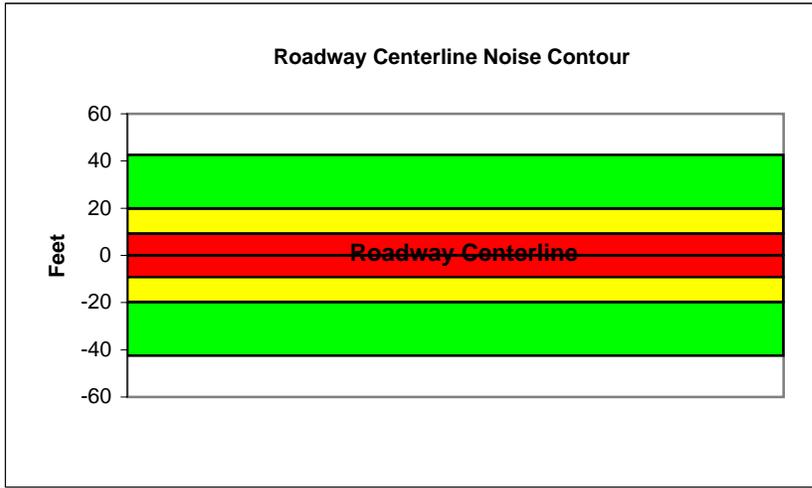
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1669			
Receiver Barrier Dist:	0	Peak Hour Traffic:	166.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.9	50.7	48.9	42.8	51.4	52.0
Medium Trucks:	50.2	42.1	35.7	34.1	42.6	42.9
Heavy Trucks:	54.7	42.7	33.7	34.9	44.4	44.6
<b>Vehicle Noise:</b>	<b>57.0</b>	<b>52.0</b>	<b>49.2</b>	<b>44.1</b>	<b>52.7</b>	<b>53.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	43
65 dBA	20
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

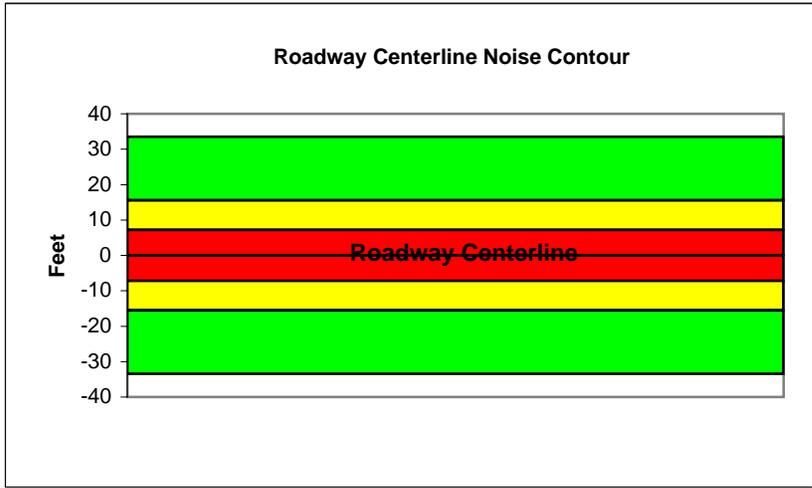
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1161			
Receiver Barrier Dist:	0	Peak Hour Traffic:	116.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.3	49.1	47.3	41.2	49.9	50.5
Medium Trucks:	48.6	40.5	34.1	32.6	41.0	41.3
Heavy Trucks:	53.1	41.2	32.1	33.3	42.9	43.0
<b>Vehicle Noise:</b>	<b>55.4</b>	<b>50.4</b>	<b>47.7</b>	<b>42.5</b>	<b>51.1</b>	<b>51.6</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	33
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

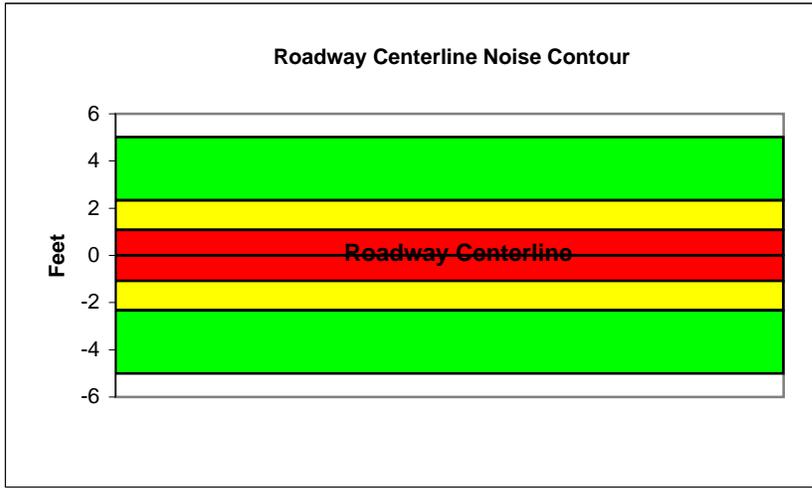
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	122			
Receiver Barrier Dist:	0	Peak Hour Traffic:	12.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	27.9	36.7	34.9	28.9	37.5	38.1
Medium Trucks:	37.7	29.6	23.2	21.6	30.1	30.4
Heavy Trucks:	42.9	30.9	21.9	23.1	33.0	33.1
<b>Vehicle Noise:</b>	<b>45.3</b>	<b>38.7</b>	<b>35.5</b>	<b>30.8</b>	<b>39.4</b>	<b>39.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

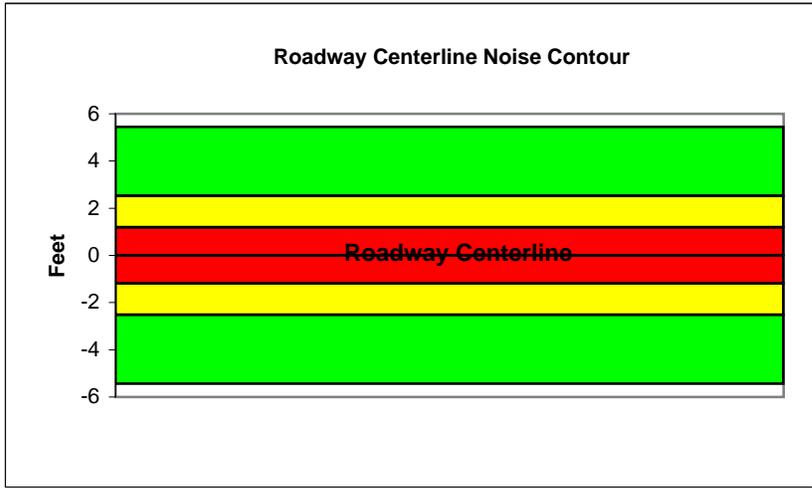
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	137			
Receiver Barrier Dist:	0	Peak Hour Traffic:	13.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.5	37.2	35.4	29.4	38.0	38.6
Medium Trucks:	38.2	30.1	23.7	22.1	30.6	30.9
Heavy Trucks:	43.4	31.5	22.4	23.6	33.5	33.6
<b>Vehicle Noise:</b>	<b>45.8</b>	<b>39.2</b>	<b>36.0</b>	<b>31.3</b>	<b>39.9</b>	<b>40.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	3
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

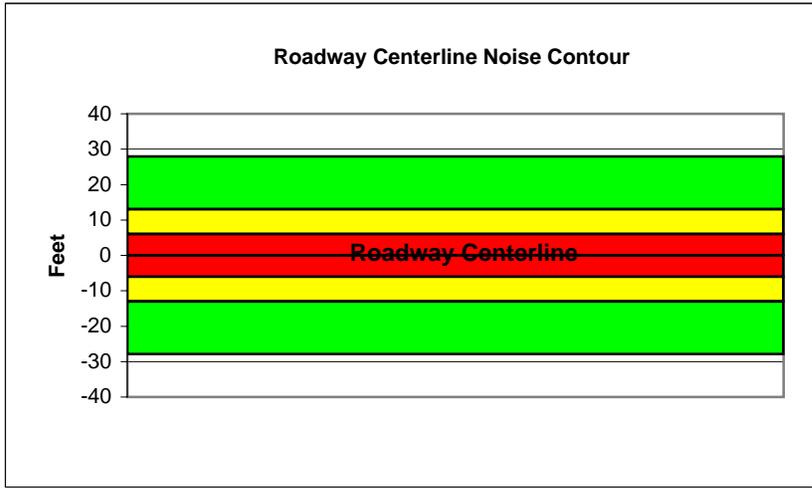
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	886			
Receiver Barrier Dist:	0	Peak Hour Traffic:	88.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	39.1	47.9	46.1	40.0	48.7	49.3
Medium Trucks:	47.4	39.3	33.0	31.4	39.9	40.1
Heavy Trucks:	51.9	40.0	30.9	32.1	41.7	41.8
<b>Vehicle Noise:</b>	<b>54.3</b>	<b>49.2</b>	<b>46.5</b>	<b>41.3</b>	<b>49.9</b>	<b>50.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

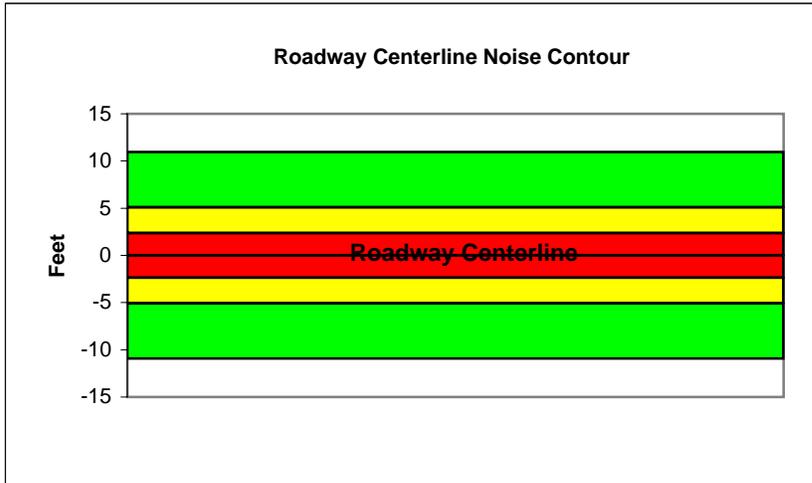
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	East of Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	217			
Receiver Barrier Dist:	0	Peak Hour Traffic:	21.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	33.0	41.8	40.0	33.9	42.6	43.2
Medium Trucks:	41.3	33.2	26.8	25.3	33.8	34.0
Heavy Trucks:	45.8	33.9	24.8	26.0	35.6	35.7
<b>Vehicle Noise:</b>	<b>48.1</b>	<b>43.1</b>	<b>40.4</b>	<b>35.2</b>	<b>43.8</b>	<b>44.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

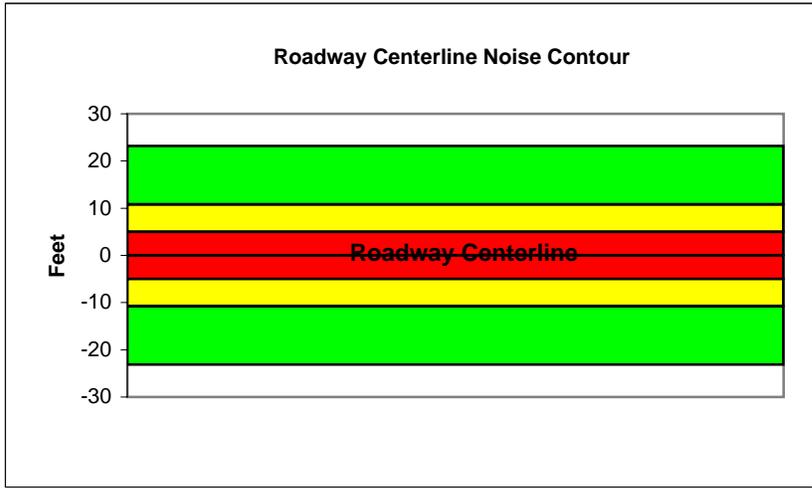
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1204			
Receiver Barrier Dist:	0	Peak Hour Traffic:	120.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.1	47.8
Medium Trucks:	47.3	39.2	32.9	31.3	39.8	40.0
Heavy Trucks:	52.5	40.6	31.5	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.3</b>	<b>45.1</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

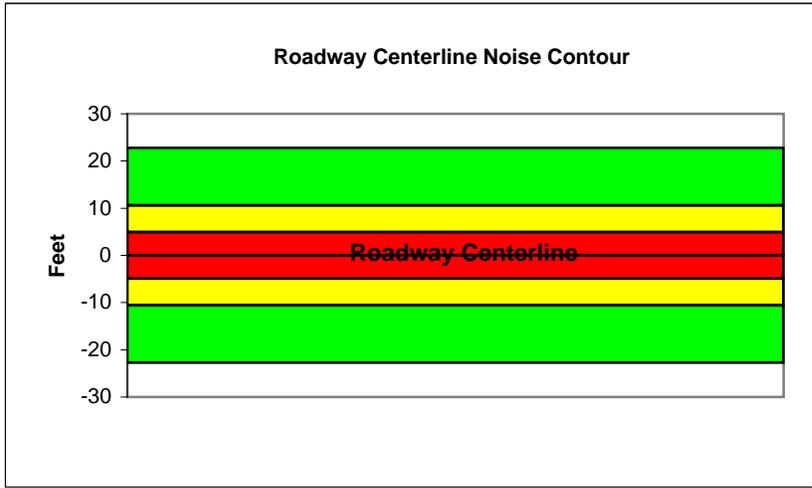
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1176			
Receiver Barrier Dist:	0	Peak Hour Traffic:	117.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.5	46.3	44.5	38.4	47.0	47.7
Medium Trucks:	47.2	39.1	32.8	31.2	39.7	39.9
Heavy Trucks:	52.4	40.5	31.4	32.7	42.6	42.7
<b>Vehicle Noise:</b>	<b>54.9</b>	<b>48.2</b>	<b>45.0</b>	<b>40.4</b>	<b>48.9</b>	<b>49.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

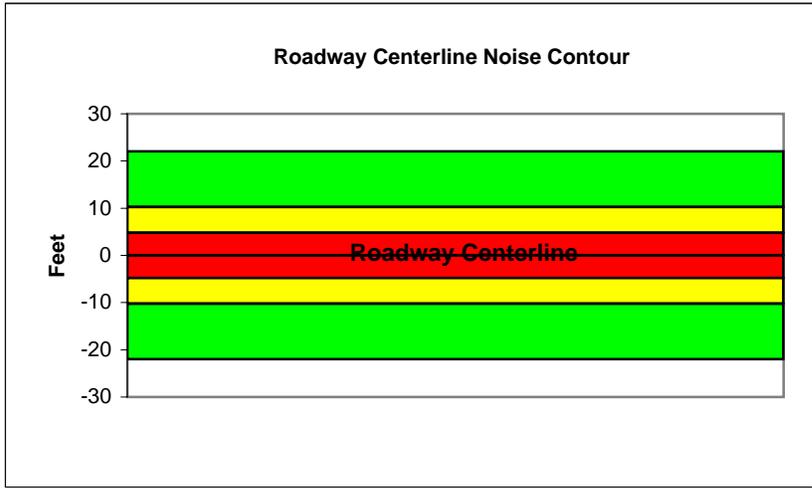
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1118			
Receiver Barrier Dist:	0	Peak Hour Traffic:	111.8			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.3	46.0	44.3	38.2	46.8	47.4
Medium Trucks:	47.0	38.9	32.5	31.0	39.5	39.7
Heavy Trucks:	52.2	40.3	31.2	32.4	42.3	42.5
<b>Vehicle Noise:</b>	<b>54.6</b>	<b>48.0</b>	<b>44.8</b>	<b>40.1</b>	<b>48.7</b>	<b>49.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	22
65 dBA	10
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

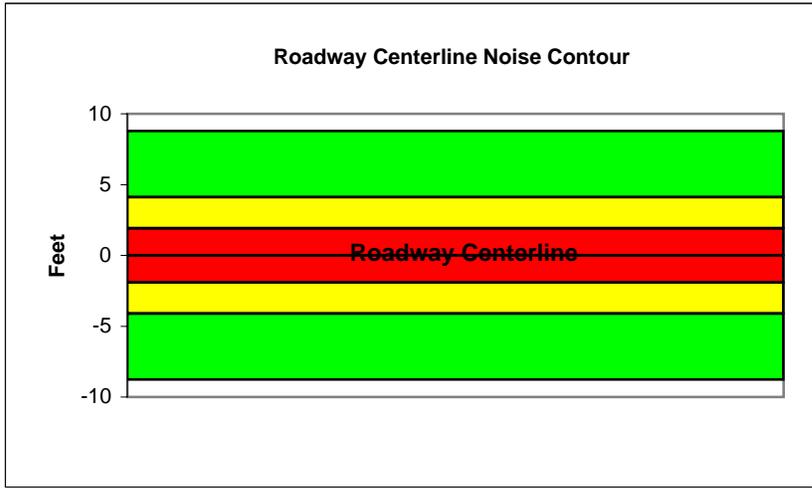
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	North Site Access to Tavern Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	282			
Receiver Barrier Dist:	0	Peak Hour Traffic:	28.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90 Lft View: -90		Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	31.6	40.4	38.6	32.5	41.1	41.8
Medium Trucks:	41.3	33.2	26.9	25.3	33.8	34.0
Heavy Trucks:	46.5	34.6	25.5	26.7	36.7	36.8
<b>Vehicle Noise:</b>	<b>49.0</b>	<b>42.3</b>	<b>39.1</b>	<b>34.4</b>	<b>43.0</b>	<b>43.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	9
65 dBA	4
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

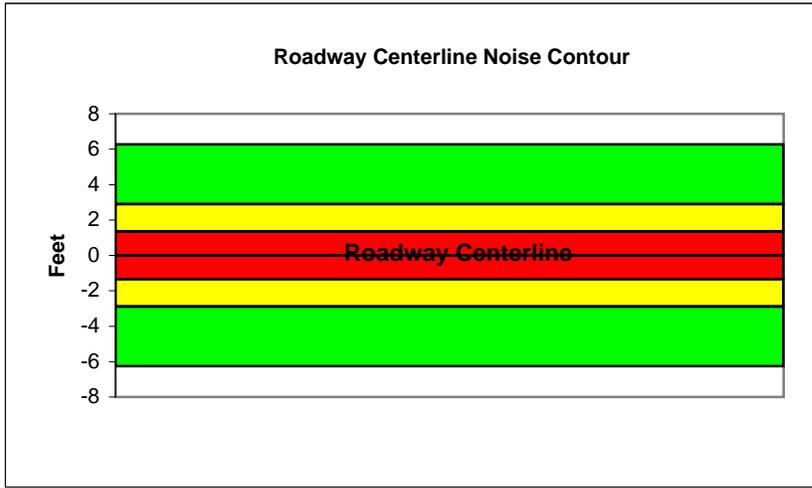
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	169			
Receiver Barrier Dist:	0	Peak Hour Traffic:	16.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	29.4	38.1	36.4	30.3	38.9	39.5
Medium Trucks:	39.1	31.0	24.6	23.1	31.5	31.8
Heavy Trucks:	44.3	32.4	23.3	24.5	34.4	34.6
<b>Vehicle Noise:</b>	<b>46.7</b>	<b>40.1</b>	<b>36.9</b>	<b>32.2</b>	<b>40.8</b>	<b>41.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	6
65 dBA	3
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

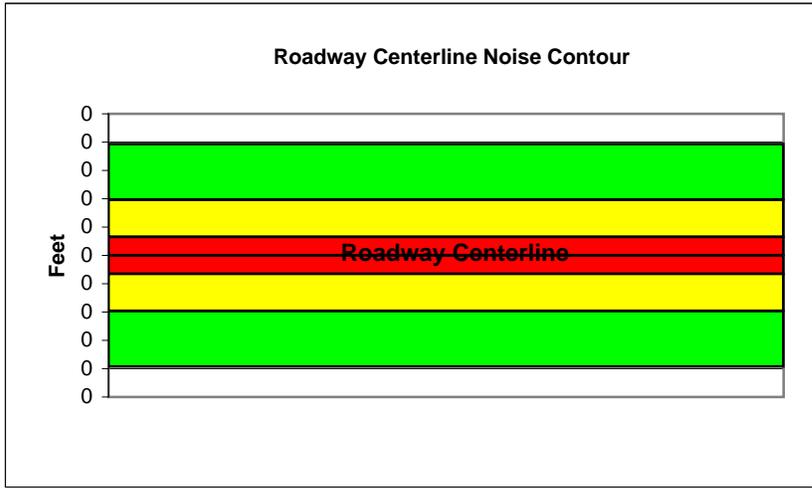
Project Name:	Mammoth Police Station	Scenario:	Existing Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	7.1	15.9	14.1	8.0	16.6	17.2
Medium Trucks:	16.8	8.7	2.4	0.8	9.3	9.5
Heavy Trucks:	22.0	10.1	1.0	2.2	12.2	12.3
<b>Vehicle Noise:</b>	<b>24.5</b>	<b>17.8</b>	<b>14.6</b>	<b>9.9</b>	<b>18.5</b>	<b>19.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	0
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

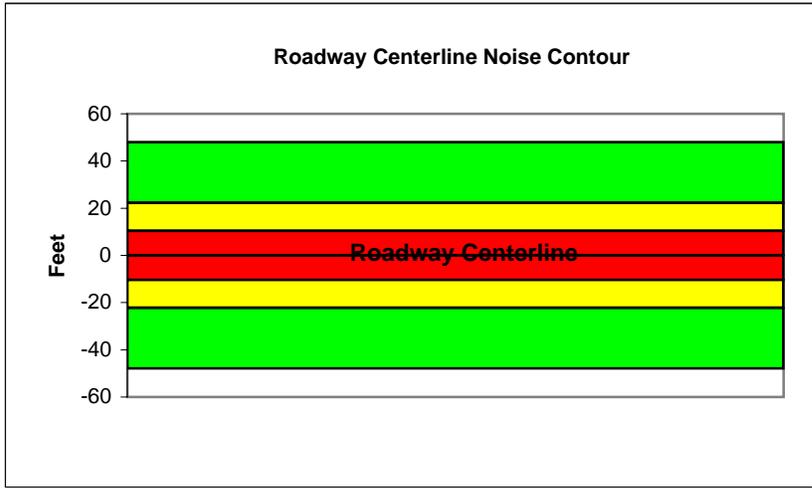
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1992			
Receiver Barrier Dist:	0	Peak Hour Traffic:	199.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	42.6	51.4	49.6	43.6	52.2	52.8
Medium Trucks:	50.9	42.9	36.5	34.9	43.4	43.6
Heavy Trucks:	55.4	43.5	34.4	35.7	45.2	45.3
<b>Vehicle Noise:</b>	<b>57.8</b>	<b>52.7</b>	<b>50.0</b>	<b>44.9</b>	<b>53.4</b>	<b>53.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	48
65 dBA	22
70 dBA	10
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

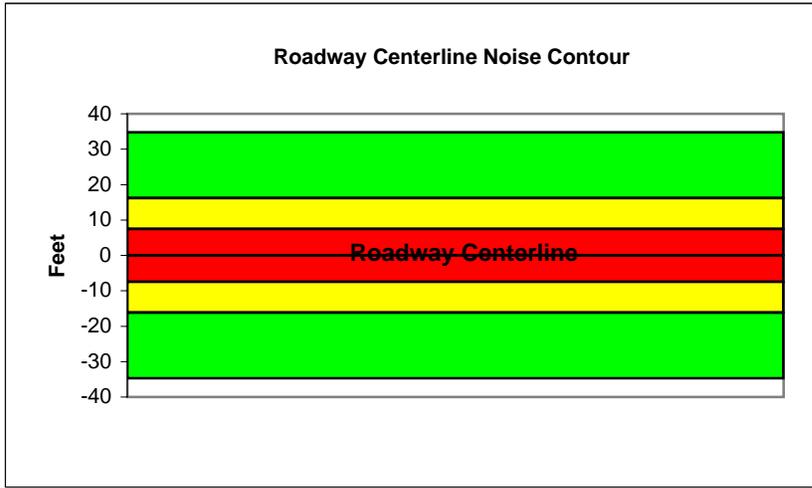
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	Old Mammoth Road to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1229			
Receiver Barrier Dist:	0	Peak Hour Traffic:	122.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.5	49.3	47.5	41.5	50.1	50.7
Medium Trucks:	48.8	40.8	34.4	32.8	41.3	41.5
Heavy Trucks:	53.3	41.4	32.3	33.6	43.1	43.2
<b>Vehicle Noise:</b>	<b>55.7</b>	<b>50.6</b>	<b>47.9</b>	<b>42.8</b>	<b>51.3</b>	<b>51.8</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	35
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

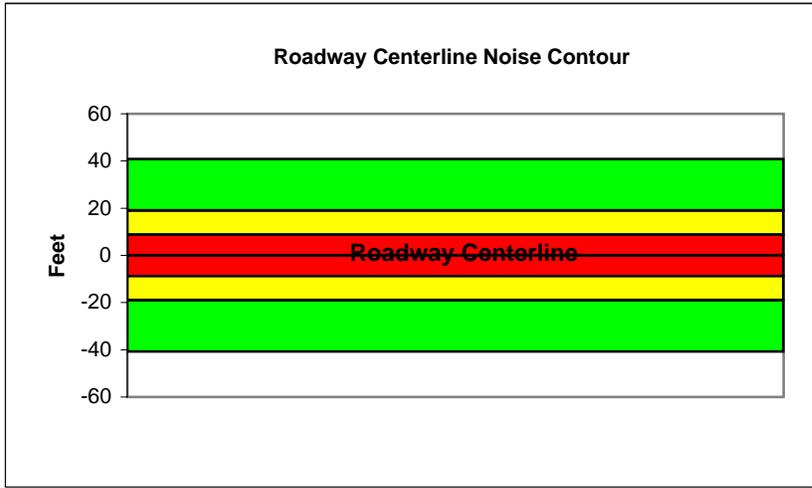
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1568			
Receiver Barrier Dist:	0	Peak Hour Traffic:	156.8			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.6	50.4	48.6	42.5	51.2	51.8
Medium Trucks:	49.9	41.8	35.4	33.9	42.3	42.6
Heavy Trucks:	54.4	42.5	33.4	34.6	44.2	44.3
<b>Vehicle Noise:</b>	<b>56.7</b>	<b>51.7</b>	<b>49.0</b>	<b>43.8</b>	<b>52.4</b>	<b>52.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	41
65 dBA	19
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

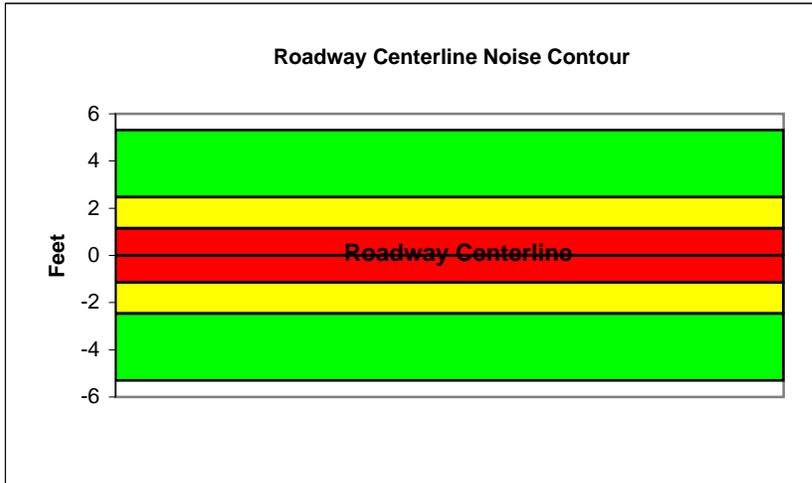
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	132			
Receiver Barrier Dist:	0	Peak Hour Traffic:	13.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.3	37.1	35.3	29.2	37.8	38.5
Medium Trucks:	38.0	29.9	23.6	22.0	30.5	30.7
Heavy Trucks:	43.2	31.3	22.2	23.5	33.4	33.5
<b>Vehicle Noise:</b>	<b>45.7</b>	<b>39.0</b>	<b>35.8</b>	<b>31.2</b>	<b>39.7</b>	<b>40.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

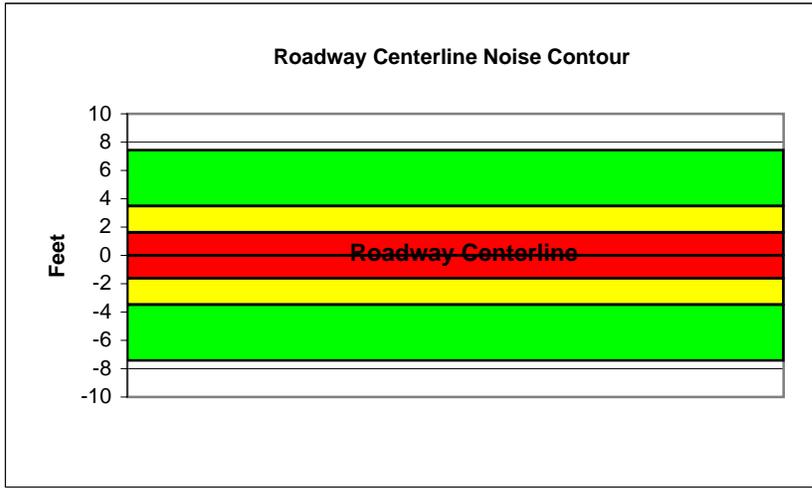
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	220			
Receiver Barrier Dist:	0	Peak Hour Traffic:	22			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	30.5	39.3	37.5	31.4	40.1	40.7
Medium Trucks:	40.2	32.2	25.8	24.2	32.7	32.9
Heavy Trucks:	45.4	33.5	24.5	25.7	35.6	35.7
<b>Vehicle Noise:</b>	<b>47.9</b>	<b>41.2</b>	<b>38.1</b>	<b>33.4</b>	<b>41.9</b>	<b>42.4</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	7
65 dBA	3
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

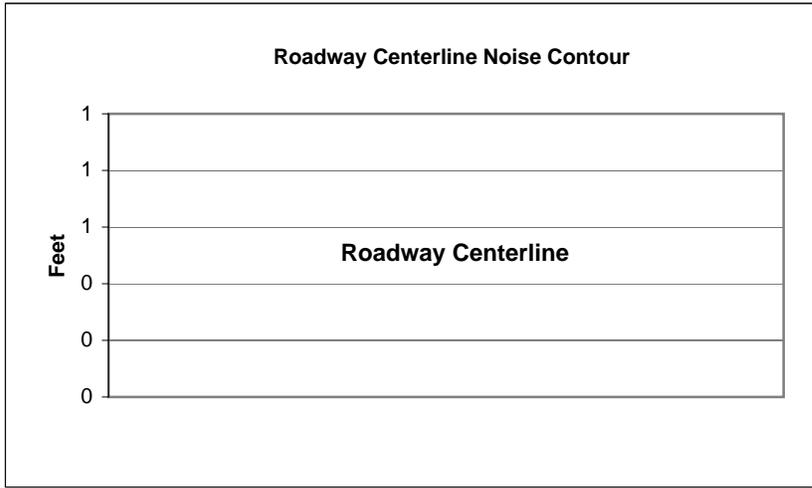
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Sierra Park Rd to South Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	0			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Medium Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Heavy Trucks:	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
<b>Vehicle Noise:</b>	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	#NUM!
65 dBA	#NUM!
70 dBA	#NUM!
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

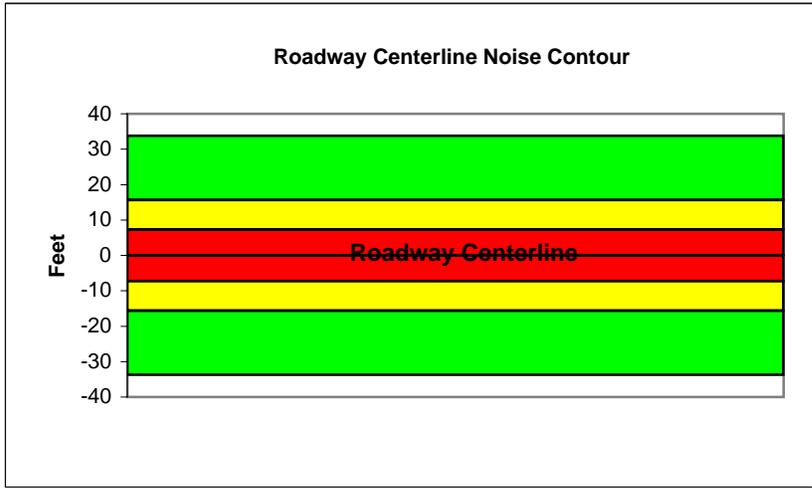
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1175			
Receiver Barrier Dist:	0	Peak Hour Traffic:	117.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.4	49.1	47.3	41.3	49.9	50.5
Medium Trucks:	48.6	40.6	34.2	32.6	41.1	41.3
Heavy Trucks:	53.1	41.2	32.2	33.4	42.9	43.0
<b>Vehicle Noise:</b>	<b>55.5</b>	<b>50.4</b>	<b>47.7</b>	<b>42.6</b>	<b>51.2</b>	<b>51.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	34
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

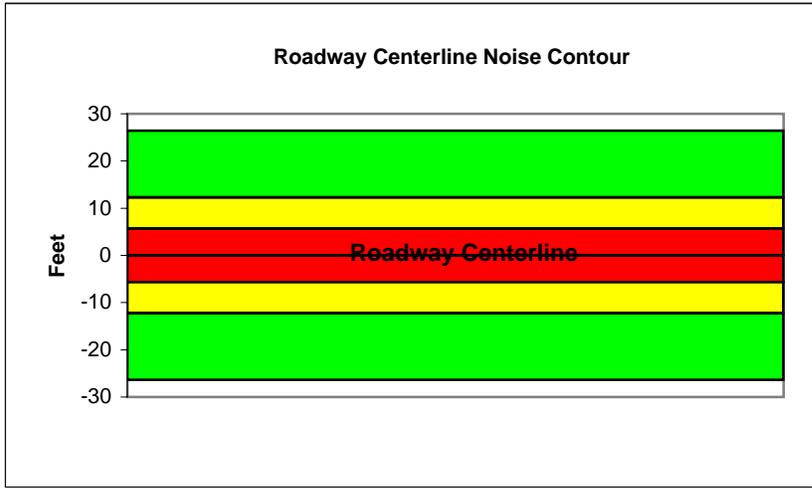
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	Old Mammoth Road to Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	813			
Receiver Barrier Dist:	0	Peak Hour Traffic:	81.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.8	47.5	45.7	39.7	48.3	48.9
Medium Trucks:	47.0	39.0	32.6	31.0	39.5	39.7
Heavy Trucks:	51.5	39.6	30.6	31.8	41.3	41.4
<b>Vehicle Noise:</b>	<b>53.9</b>	<b>48.8</b>	<b>46.1</b>	<b>41.0</b>	<b>49.6</b>	<b>50.1</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	26
65 dBA	12
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

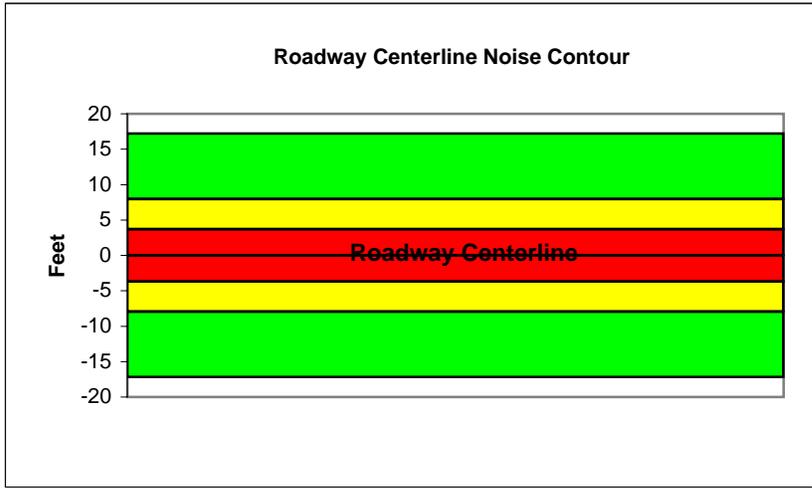
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	East of Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	427			
Receiver Barrier Dist:	0	Peak Hour Traffic:	42.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	36.0	44.7	42.9	36.9	45.5	46.1
Medium Trucks:	44.2	36.2	29.8	28.2	36.7	36.9
Heavy Trucks:	48.8	36.8	27.8	29.0	38.5	38.7
<b>Vehicle Noise:</b>	<b>51.1</b>	<b>46.0</b>	<b>43.3</b>	<b>38.2</b>	<b>46.8</b>	<b>47.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	17
65 dBA	8
70 dBA	4
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

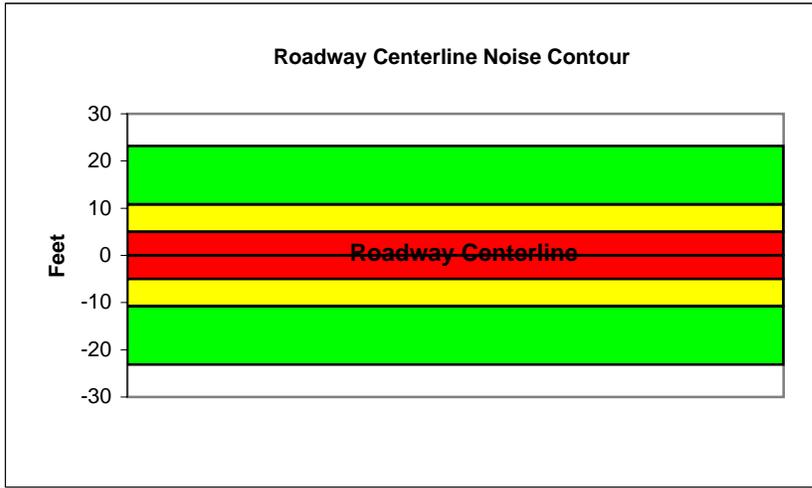
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1206			
Receiver Barrier Dist:	0	Peak Hour Traffic:	120.6			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.2	47.8
Medium Trucks:	47.3	39.2	32.9	31.3	39.8	40.0
Heavy Trucks:	52.5	40.6	31.5	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.3</b>	<b>45.1</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

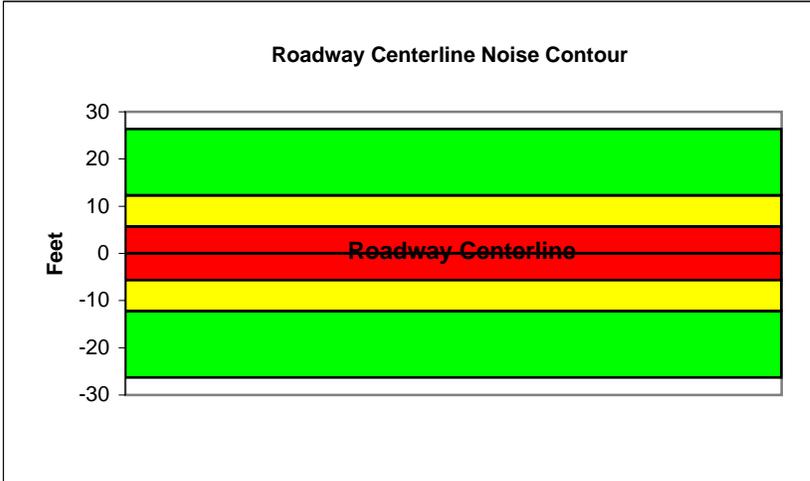
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1464			
Receiver Barrier Dist:	0	Peak Hour Traffic:	146.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.4	47.2	45.4	39.3	48.0	48.6
Medium Trucks:	48.2	40.1	33.7	32.1	40.6	40.9
Heavy Trucks:	53.4	41.4	32.4	33.6	43.5	43.6
<b>Vehicle Noise:</b>	<b>55.8</b>	<b>49.2</b>	<b>46.0</b>	<b>41.3</b>	<b>49.9</b>	<b>50.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	26
65 dBA	12
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

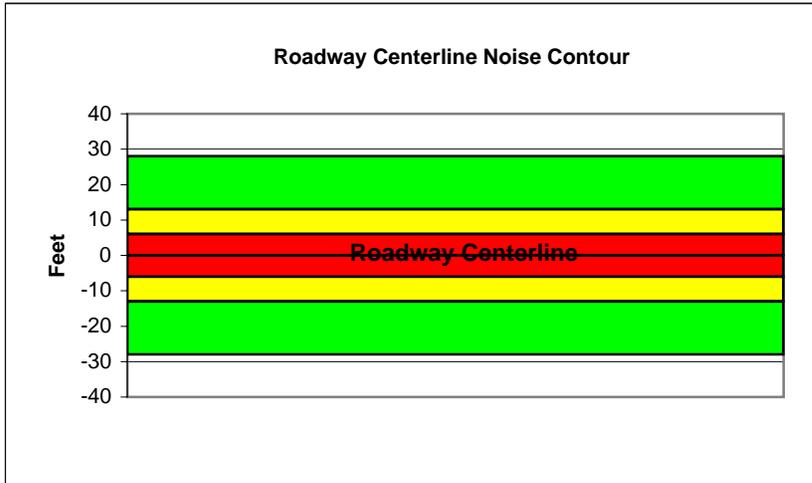
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1605			
Receiver Barrier Dist:	0	Peak Hour Traffic:	160.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.8	47.6	45.8	39.7	48.4	49.0
Medium Trucks:	48.6	40.5	34.1	32.5	41.0	41.3
Heavy Trucks:	53.8	41.8	32.8	34.0	43.9	44.0
<b>Vehicle Noise:</b>	<b>56.2</b>	<b>49.6</b>	<b>46.4</b>	<b>41.7</b>	<b>50.3</b>	<b>50.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

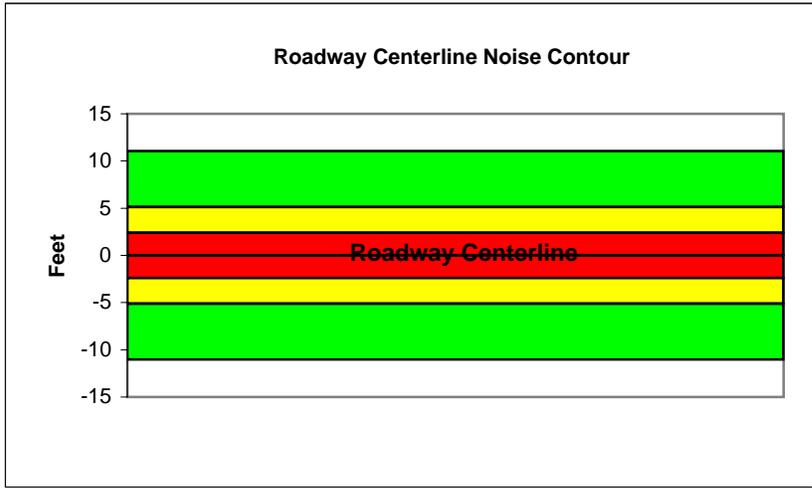
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Main Street to North Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	397			
Receiver Barrier Dist:	0	Peak Hour Traffic:	39.7			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	33.1	41.9	40.1	34.0	42.6	43.2
Medium Trucks:	42.8	34.7	28.3	26.8	35.3	35.5
Heavy Trucks:	48.0	36.1	27.0	28.2	38.1	38.3
<b>Vehicle Noise:</b>	<b>50.4</b>	<b>43.8</b>	<b>40.6</b>	<b>35.9</b>	<b>44.5</b>	<b>45.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

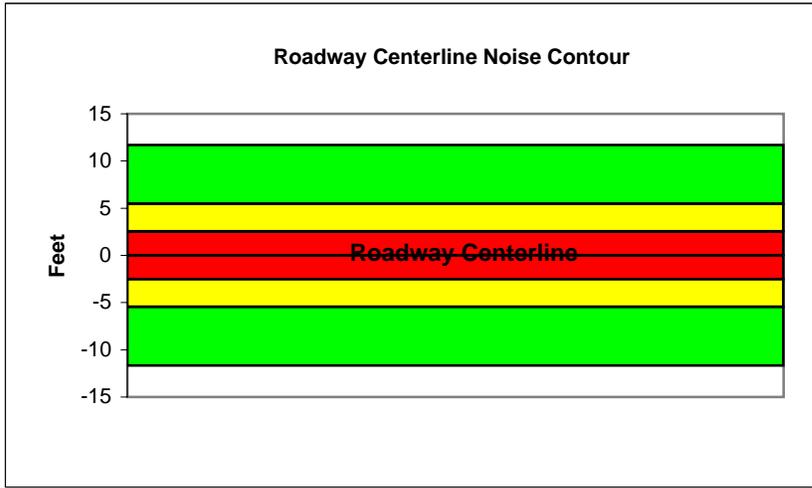
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	North Site Access to Tavern Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	433			
Receiver Barrier Dist:	0	Peak Hour Traffic:	43.3			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	33.4	42.2	40.4	34.4	43.0	43.6
Medium Trucks:	43.2	35.1	28.7	27.1	35.6	35.9
Heavy Trucks:	48.4	36.4	27.4	28.6	38.5	38.6
<b>Vehicle Noise:</b>	<b>50.8</b>	<b>44.2</b>	<b>41.0</b>	<b>36.3</b>	<b>44.9</b>	<b>45.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	12
65 dBA	5
70 dBA	3
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

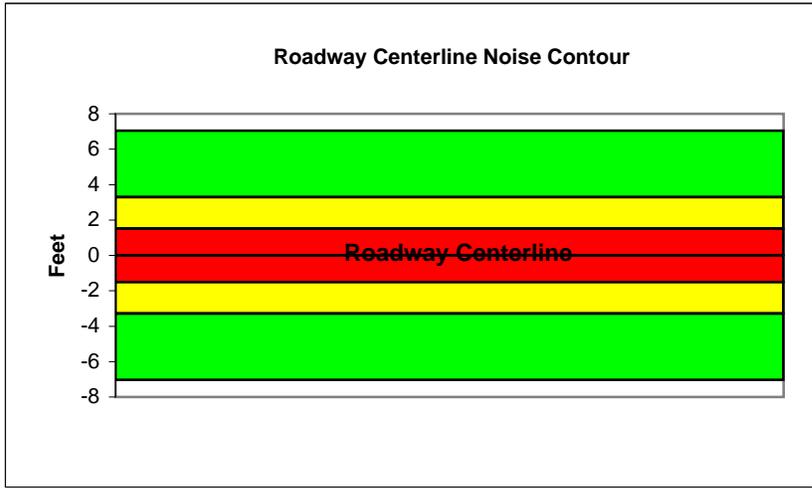
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	202			
Receiver Barrier Dist:	0	Peak Hour Traffic:	20.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	30.1	38.9	37.1	31.0	39.7	40.3
Medium Trucks:	39.9	31.8	25.4	23.8	32.3	32.6
Heavy Trucks:	45.1	33.1	24.1	25.3	35.2	35.3
<b>Vehicle Noise:</b>	<b>47.5</b>	<b>40.9</b>	<b>37.7</b>	<b>33.0</b>	<b>41.6</b>	<b>42.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	7
65 dBA	3
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

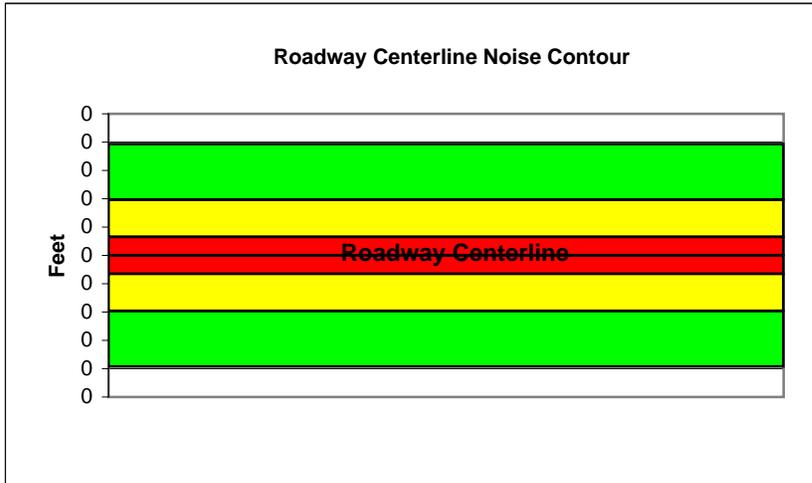
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	7.1	15.9	14.1	8.0	16.6	17.2
Medium Trucks:	16.8	8.7	2.4	0.8	9.3	9.5
Heavy Trucks:	22.0	10.1	1.0	2.2	12.2	12.3
<b>Vehicle Noise:</b>	<b>24.5</b>	<b>17.8</b>	<b>14.6</b>	<b>9.9</b>	<b>18.5</b>	<b>19.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	0
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

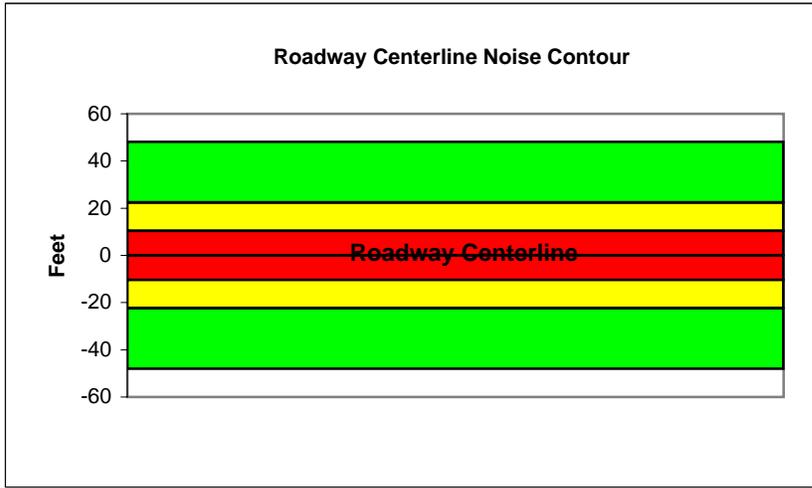
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	2004			
Receiver Barrier Dist:	0	Peak Hour Traffic:	200.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	42.7	51.4	49.7	43.6	52.2	52.8
Medium Trucks:	50.9	42.9	36.5	34.9	43.4	43.6
Heavy Trucks:	55.5	43.5	34.5	35.7	45.2	45.4
<b>Vehicle Noise:</b>	<b>57.8</b>	<b>52.8</b>	<b>50.0</b>	<b>44.9</b>	<b>53.5</b>	<b>54.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	48
65 dBA	22
70 dBA	10
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

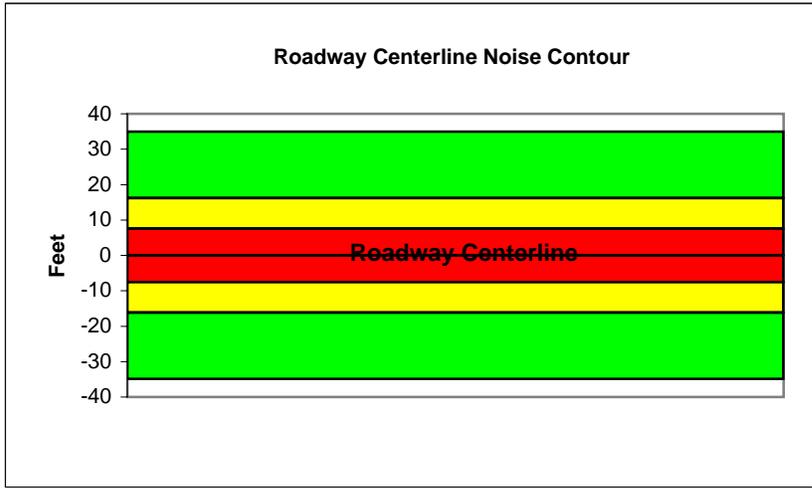
Project Name:	Mammoth Police Station	Scenario:	Future
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	Old Mammoth Road to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1235			
Receiver Barrier Dist:	0	Peak Hour Traffic:	123.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.6	49.3	47.6	41.5	50.1	50.7
Medium Trucks:	48.8	40.8	34.4	32.8	41.3	41.5
Heavy Trucks:	53.4	41.4	32.4	33.6	43.1	43.3
<b>Vehicle Noise:</b>	<b>55.7</b>	<b>50.7</b>	<b>47.9</b>	<b>42.8</b>	<b>51.4</b>	<b>51.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	35
65 dBA	16
70 dBA	8
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

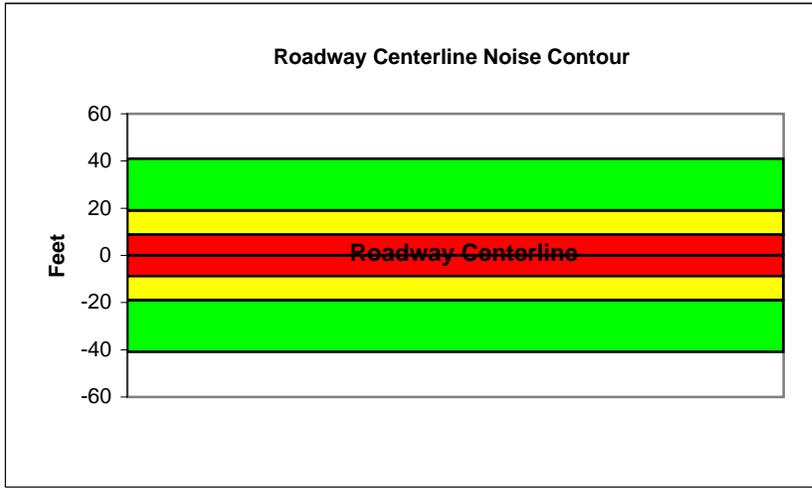
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Main Street		
Road Segment:	East of Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1570			
Receiver Barrier Dist:	0	Peak Hour Traffic:	157			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	41.6	50.4	48.6	42.5	51.2	51.8
Medium Trucks:	49.9	41.8	35.4	33.9	42.4	42.6
Heavy Trucks:	54.4	42.5	33.4	34.6	44.2	44.3
<b>Vehicle Noise:</b>	<b>56.7</b>	<b>51.7</b>	<b>49.0</b>	<b>43.8</b>	<b>52.4</b>	<b>52.9</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	41
65 dBA	19
70 dBA	9
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

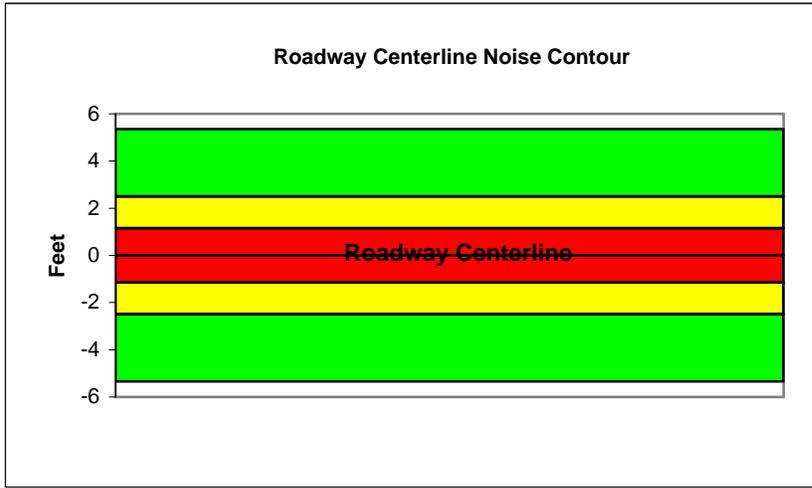
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	West of Old Mammoth		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	134			
Receiver Barrier Dist:	0	Peak Hour Traffic:	13.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	28.4	37.1	35.3	29.3	37.9	38.5
Medium Trucks:	38.1	30.0	23.6	22.1	30.5	30.8
Heavy Trucks:	43.3	31.4	22.3	23.5	33.4	33.5
<b>Vehicle Noise:</b>	<b>45.7</b>	<b>39.1</b>	<b>35.9</b>	<b>31.2</b>	<b>39.8</b>	<b>40.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	5
65 dBA	2
70 dBA	1
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

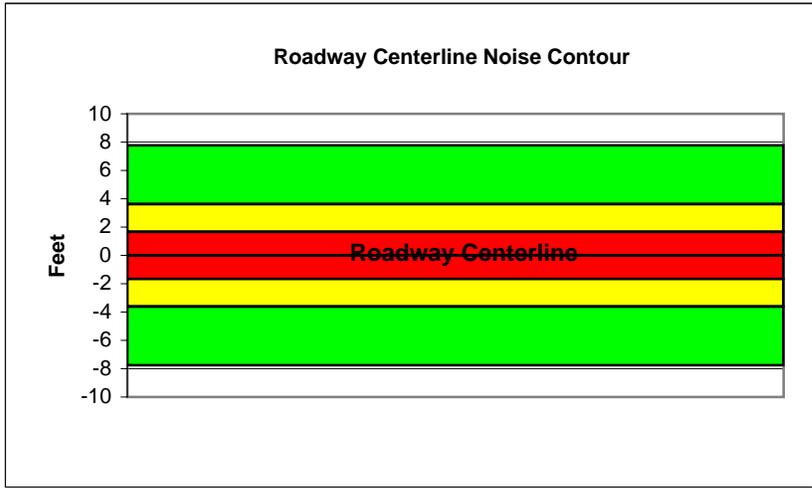
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Tavern		
Road Segment:	Old Mammoth to Sierra Park Rd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	234			
Receiver Barrier Dist:	0	Peak Hour Traffic:	23.4			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	30.8	39.6	37.8	31.7	40.3	40.9
Medium Trucks:	40.5	32.4	26.0	24.5	33.0	33.2
Heavy Trucks:	45.7	33.8	24.7	25.9	35.8	36.0
<b>Vehicle Noise:</b>	<b>48.1</b>	<b>41.5</b>	<b>38.3</b>	<b>33.6</b>	<b>42.2</b>	<b>42.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	8
65 dBA	4
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

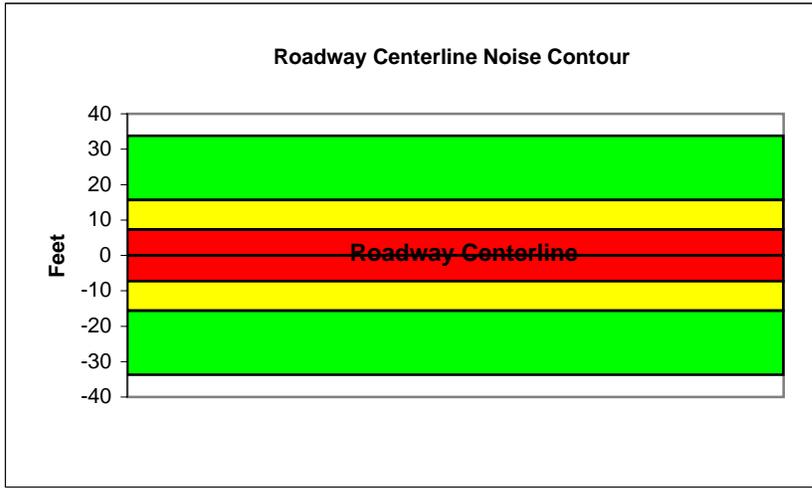
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	West of Old Mammoth Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1179			
Receiver Barrier Dist:	0	Peak Hour Traffic:	117.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	40.4	49.1	47.4	41.3	49.9	50.5
Medium Trucks:	48.6	40.6	34.2	32.6	41.1	41.3
Heavy Trucks:	53.2	41.2	32.2	33.4	42.9	43.1
<b>Vehicle Noise:</b>	<b>55.5</b>	<b>50.4</b>	<b>47.7</b>	<b>42.6</b>	<b>51.2</b>	<b>51.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	34
65 dBA	16
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

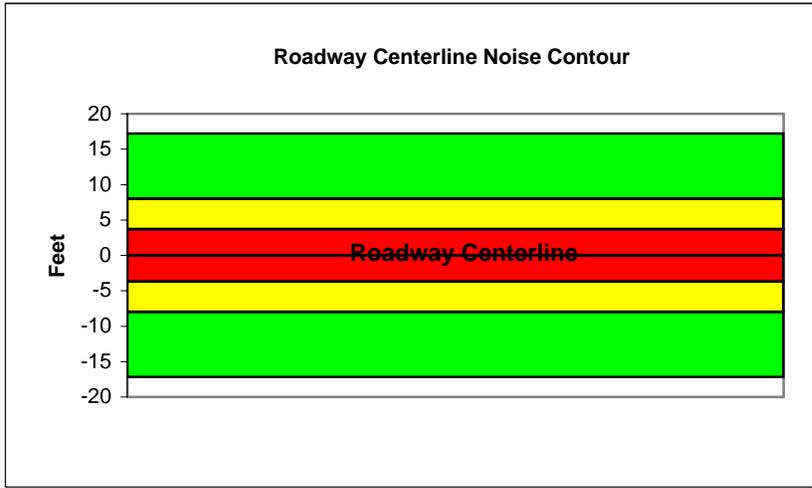
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Meridian Boulevard		
Road Segment:	East of Sierra Park Rd.		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	429			
Receiver Barrier Dist:	0	Peak Hour Traffic:	42.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	45			
Barrier Near Lane CL Dist:	0	Centerline Separation:	48			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	36.0	44.8	43.0	36.9	45.5	46.1
Medium Trucks:	44.3	36.2	29.8	28.2	36.7	37.0
Heavy Trucks:	48.8	36.8	27.8	29.0	38.5	38.7
<b>Vehicle Noise:</b>	<b>51.1</b>	<b>46.1</b>	<b>43.3</b>	<b>38.2</b>	<b>46.8</b>	<b>47.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	17
65 dBA	8
70 dBA	4
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

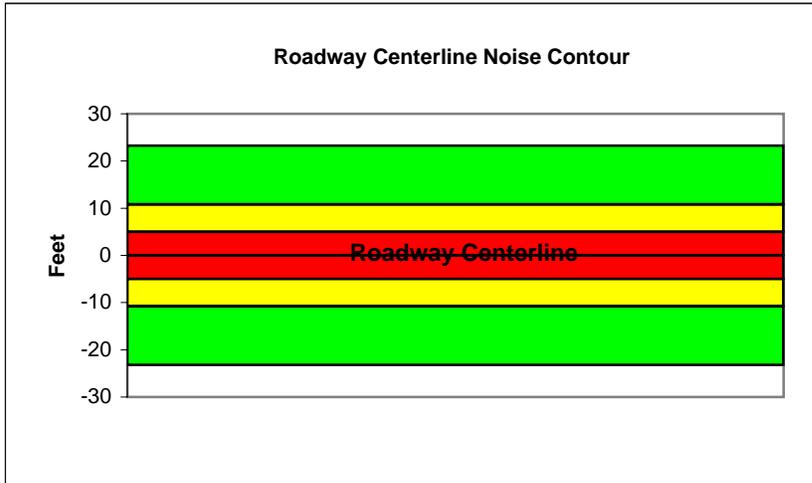
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Main Street to Tavern Road		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1212			
Receiver Barrier Dist:	0	Peak Hour Traffic:	121.2			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	37.6	46.4	44.6	38.5	47.2	47.8
Medium Trucks:	47.3	39.3	32.9	31.3	39.8	40.0
Heavy Trucks:	52.6	40.6	31.6	32.8	42.7	42.8
<b>Vehicle Noise:</b>	<b>55.0</b>	<b>48.4</b>	<b>45.2</b>	<b>40.5</b>	<b>49.0</b>	<b>49.5</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	23
65 dBA	11
70 dBA	5
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

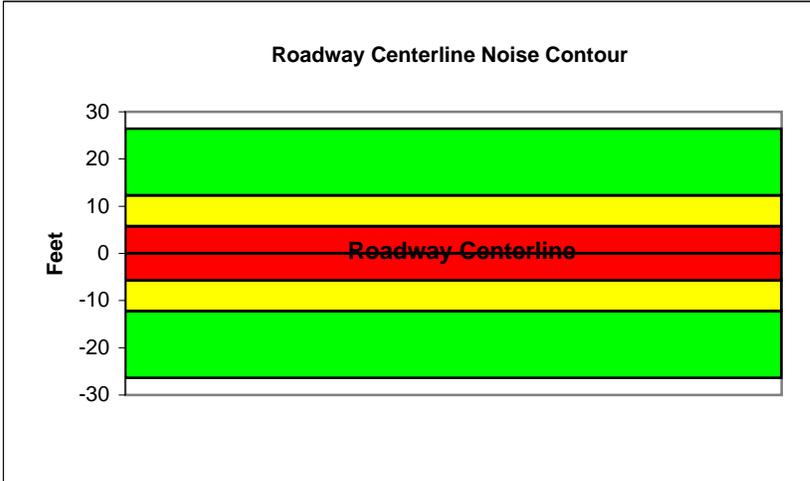
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	Tavern Road to Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1469			
Receiver Barrier Dist:	0	Peak Hour Traffic:	146.9			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.5	47.2	45.4	39.4	48.0	48.6
Medium Trucks:	48.2	40.1	33.7	32.1	40.6	40.9
Heavy Trucks:	53.4	41.5	32.4	33.6	43.5	43.6
<b>Vehicle Noise:</b>	<b>55.8</b>	<b>49.2</b>	<b>46.0</b>	<b>41.3</b>	<b>49.9</b>	<b>50.3</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	26
65 dBA	12
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

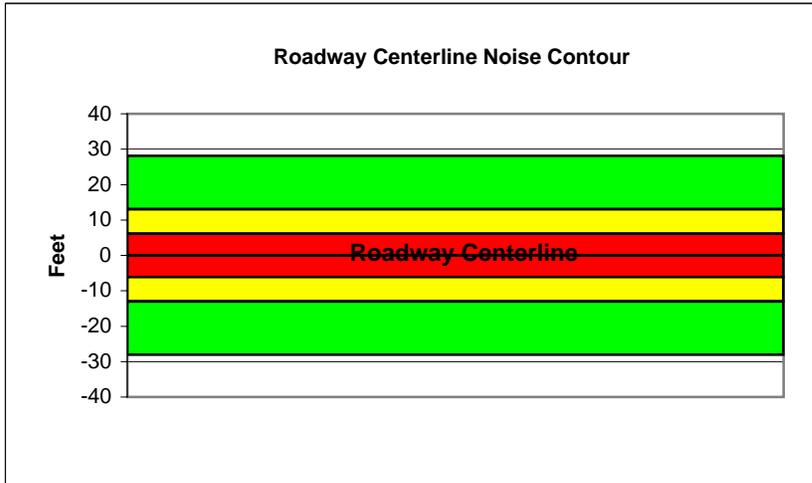
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Old Mammoth Road		
Road Segment:	South of Meridian		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1611			
Receiver Barrier Dist:	0	Peak Hour Traffic:	161.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	36			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	38.9	47.6	45.8	39.8	48.4	49.0
Medium Trucks:	48.6	40.5	34.1	32.5	41.0	41.3
Heavy Trucks:	53.8	41.9	32.8	34.0	43.9	44.0
<b>Vehicle Noise:</b>	<b>56.2</b>	<b>49.6</b>	<b>46.4</b>	<b>41.7</b>	<b>50.3</b>	<b>50.7</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	28
65 dBA	13
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

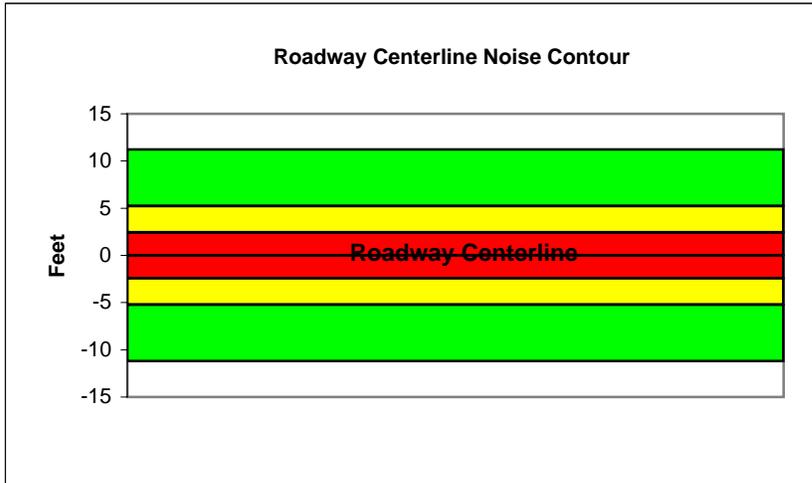
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Main Street to North Site Access		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	405			
Receiver Barrier Dist:	0	Peak Hour Traffic:	40.5			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	33.2	41.9	40.2	34.1	42.7	43.3
Medium Trucks:	42.9	34.8	28.4	26.9	35.3	35.6
Heavy Trucks:	48.1	36.2	27.1	28.3	38.2	38.4
<b>Vehicle Noise:</b>	<b>50.5</b>	<b>43.9</b>	<b>40.7</b>	<b>36.0</b>	<b>44.6</b>	<b>45.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	11
65 dBA	5
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	





**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

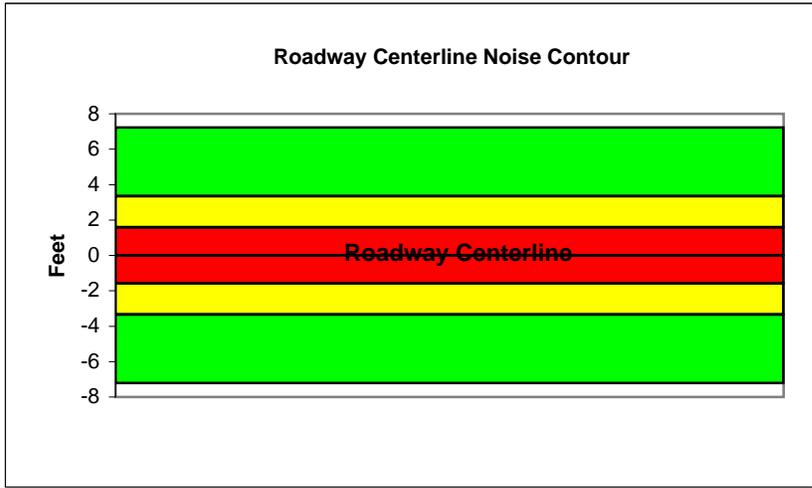
Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	Tavern Rd to Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	210			
Receiver Barrier Dist:	0	Peak Hour Traffic:	21			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	30.3	39.1	37.3	31.2	39.9	40.5
Medium Trucks:	40.0	32.0	25.6	24.0	32.5	32.7
Heavy Trucks:	45.2	33.3	24.2	25.5	35.4	35.5
<b>Vehicle Noise:</b>	<b>47.7</b>	<b>41.0</b>	<b>37.9</b>	<b>33.2</b>	<b>41.7</b>	<b>42.2</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	7
65 dBA	3
70 dBA	2
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108  
Traffic Noise Prediction Model (CALVENO)**

Project Name:	Mammoth Police Station	Scenario:	Future Plus Project
Analyst:	Achilles Malisos	Job #:	10-105933
Roadway:	Sierra Park Road		
Road Segment:	South of Meridian Blvd		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier:	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	1			
Receiver Barrier Dist:	0	Peak Hour Traffic:	0.1			
Centerline Dist. To Observer:	100	Vehicle Speed:	35			
Barrier Near Lane CL Dist:	0	Centerline Separation:	24			
Barrier Far lane CL Dist:	0	<b>NOISE INPUTS</b>				
Pad Elevation:	0.5	Site conditions: <b>SOFT SITE</b>				
Road Elevation:	0	<b>FLEET MIX</b>				
Observer Height (above grade):	5.5	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: <b>90</b>	Lft View: <b>-90</b>	Med. Truck	0.848	0.049	0.103	0.0184
<b>NOISE SOURCE ELEVATIONS (Feet)</b>		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	7.1	15.9	14.1	8.0	16.6	17.2
Medium Trucks:	16.8	8.7	2.4	0.8	9.3	9.5
Heavy Trucks:	22.0	10.1	1.0	2.2	12.2	12.3
<b>Vehicle Noise:</b>	<b>24.5</b>	<b>17.8</b>	<b>14.6</b>	<b>9.9</b>	<b>18.5</b>	<b>19.0</b>

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	0
65 dBA	0
70 dBA	0
Mitigated	
60 dBA	0
65 dBA	0
70 dBA	0

