



11.3 Noise Data

Site Number: 1			
Recorded By: Eddie Torres			
Job Number: 139231			
Date: 1/17/14			
Time: 8:32 AM			
Location: Fireside at the Village condominiums, along Minaret Road			
Source of Peak Noise: Light pedestrian activity			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	2548189	7/12/2013	
	Microphone	Brüel & Kjær	4189	2543364	7/12/2013	
	Preamp	Brüel & Kjær	ZC 0032	4265	7/12/2013	
	Calibrator	Brüel & Kjær	4231	2545667	7/12/2013	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	2.6		39		29.88	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 2.0.2
Start Time:		01/17/2014 08:32:03
End Time:		01/17/2014 08:42:32
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		138.76

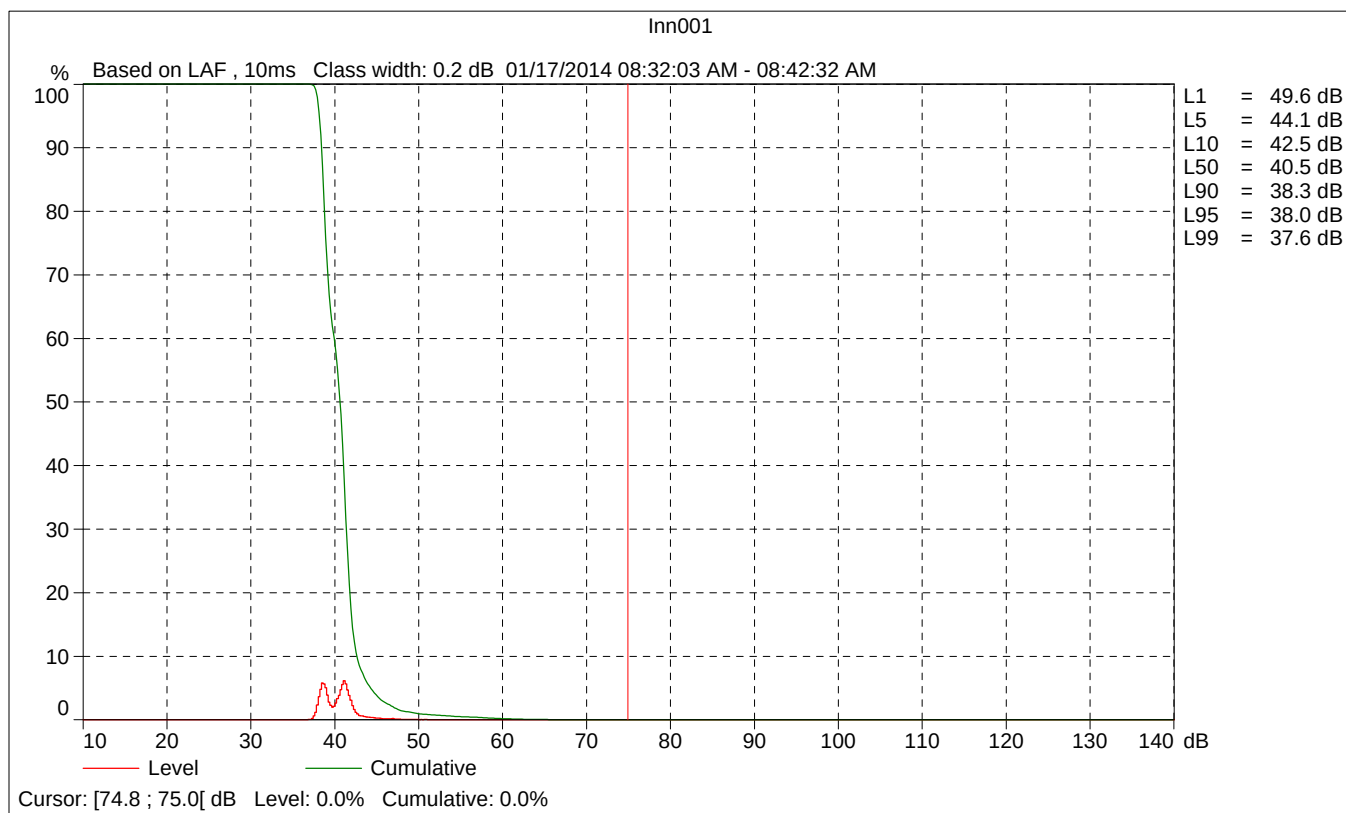
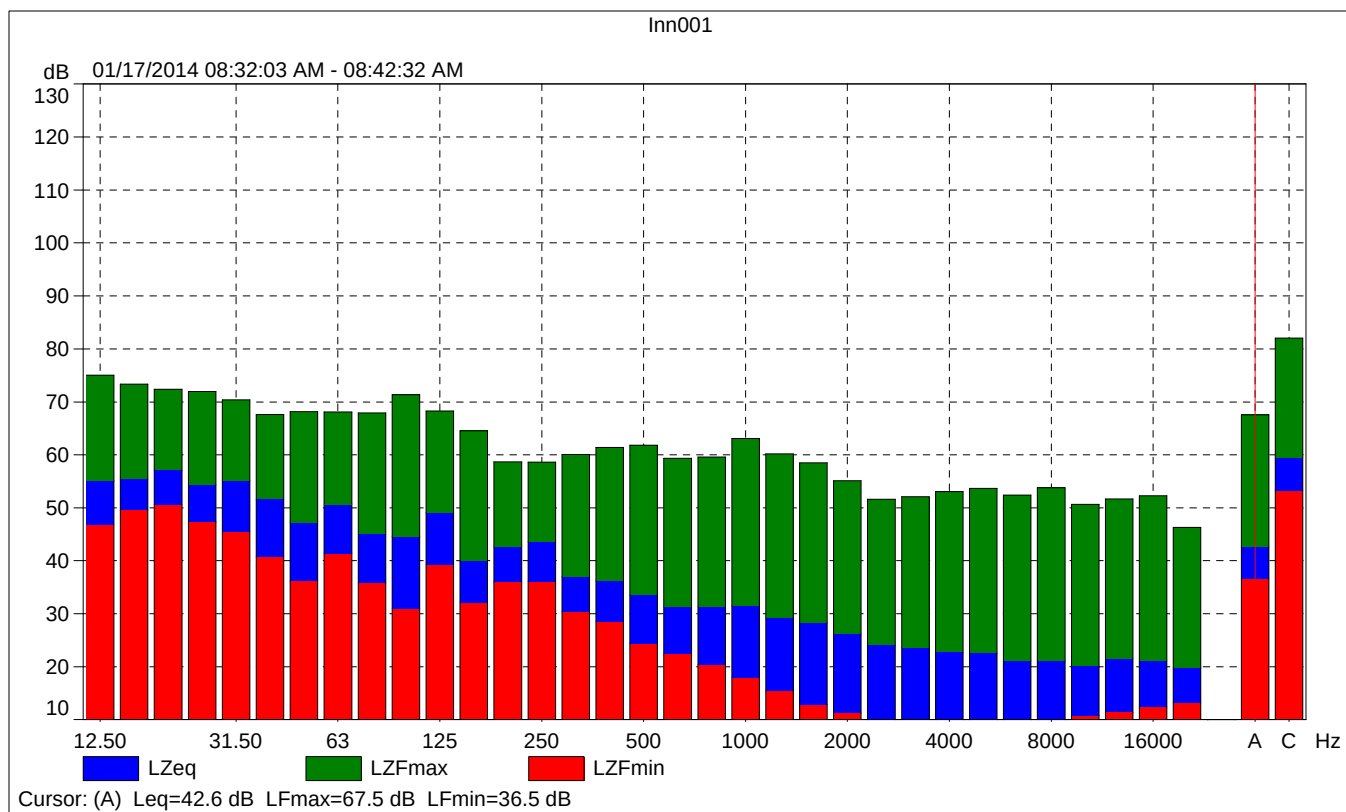
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

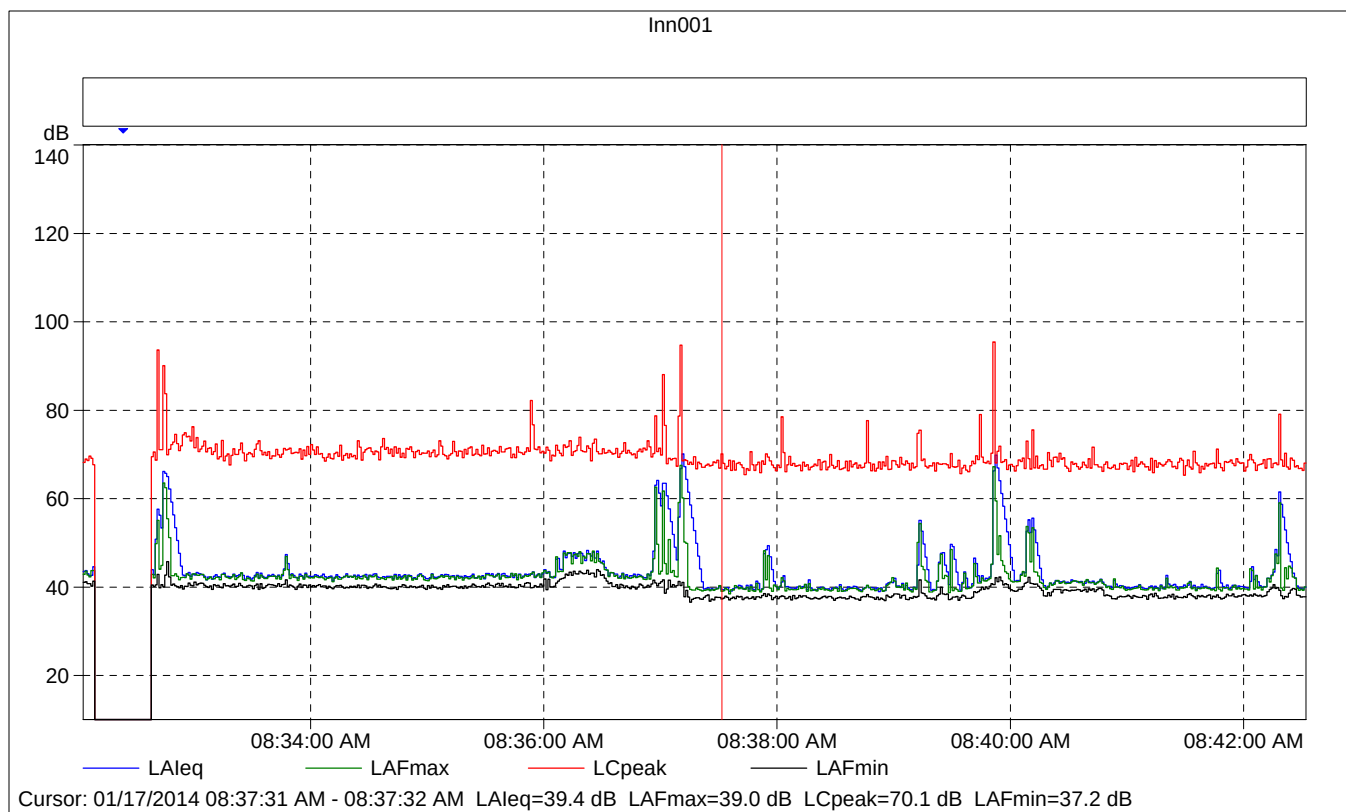
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Diffuse-field

Calibration Time:		04/21/2014 13:56:50
Calibration Type:		External reference
Sensitivity:		64.25 mV/Pa

Inn001

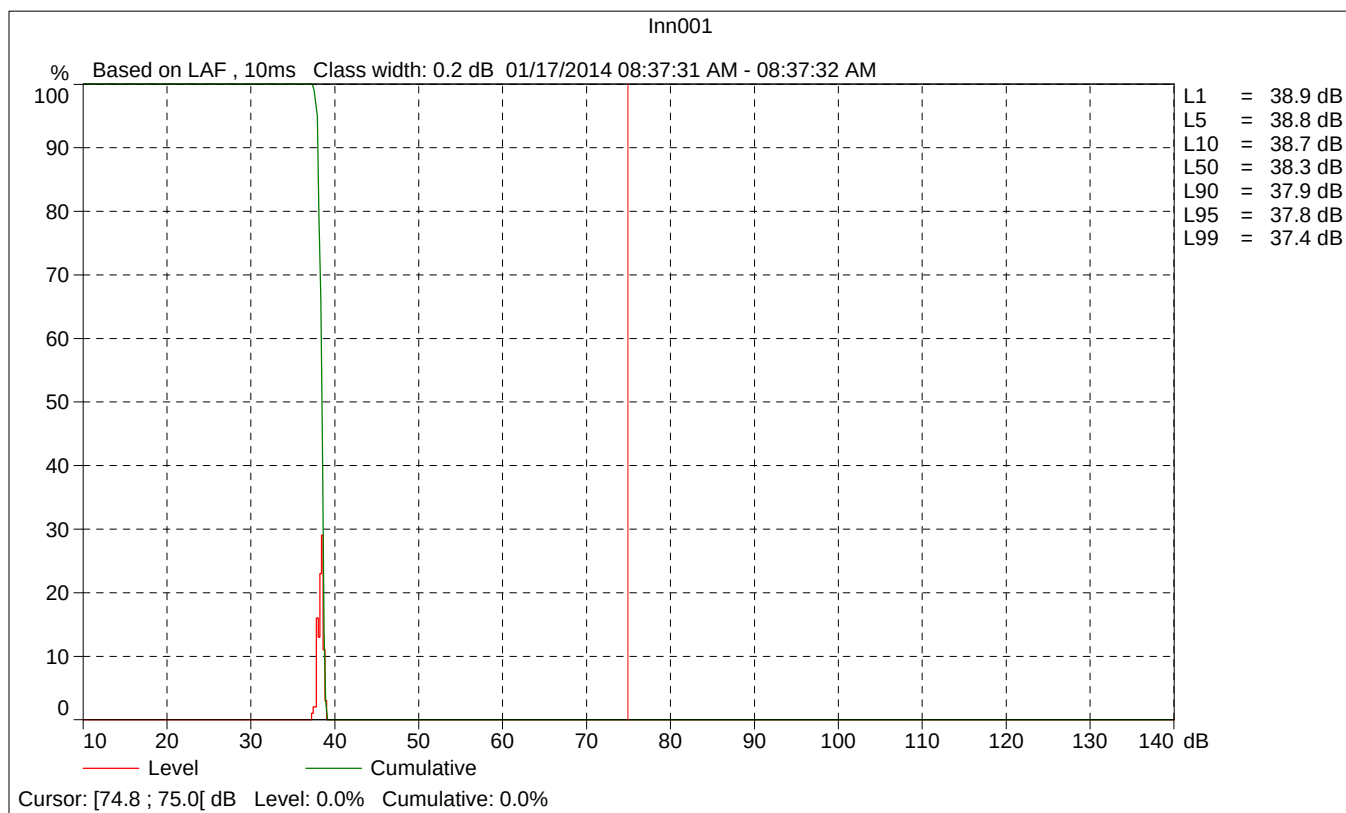
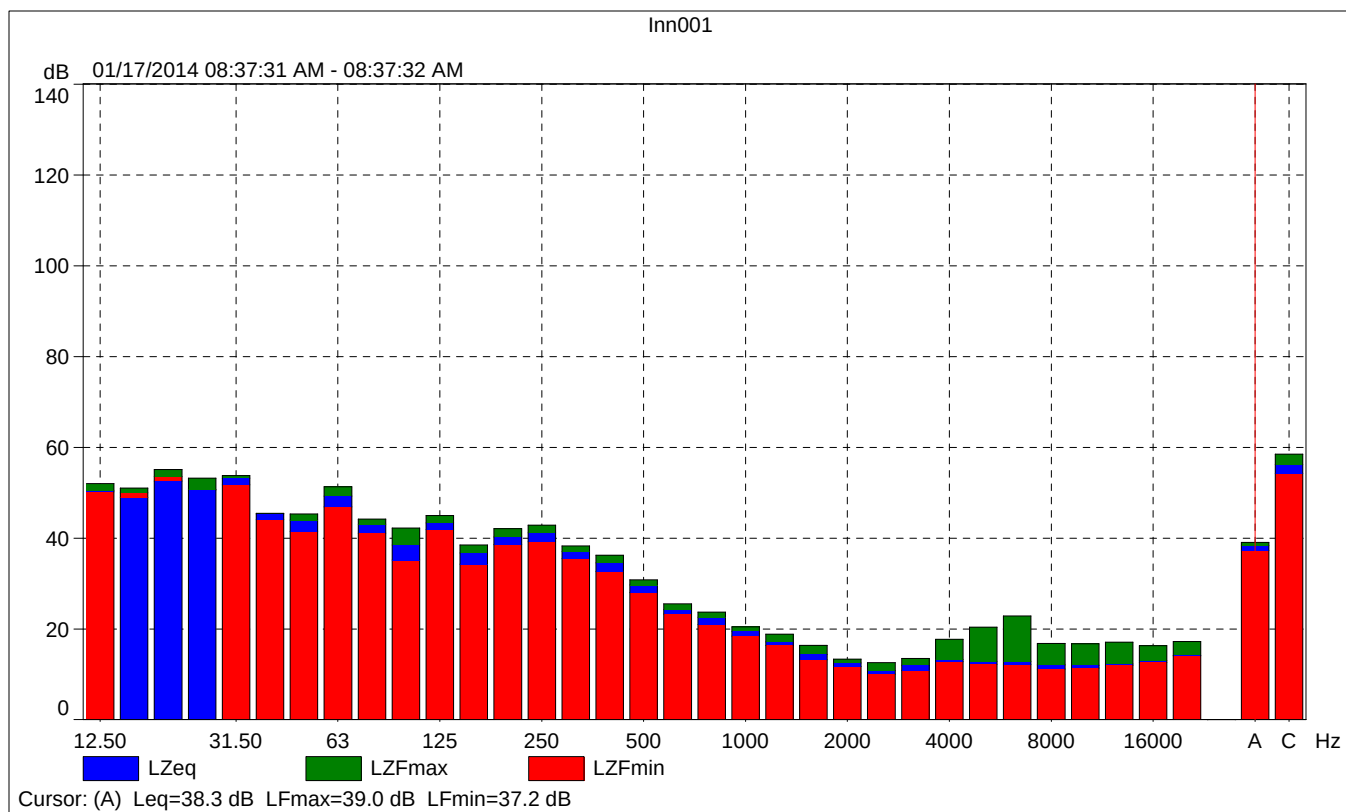
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	42.6	67.5	36.5
Time	08:32:03 AM	08:42:32 AM	0:10:00				
Date	01/17/2014	01/17/2014					

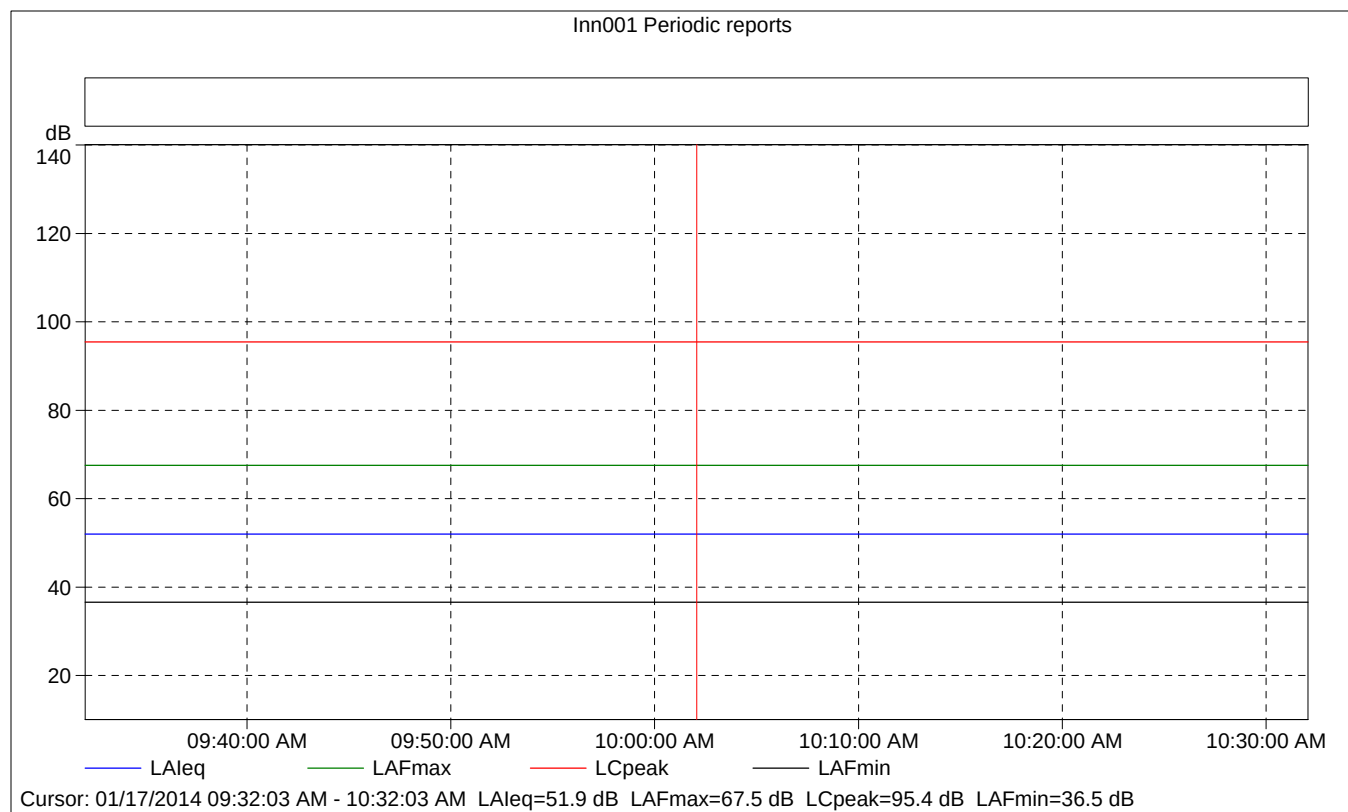




Inn001

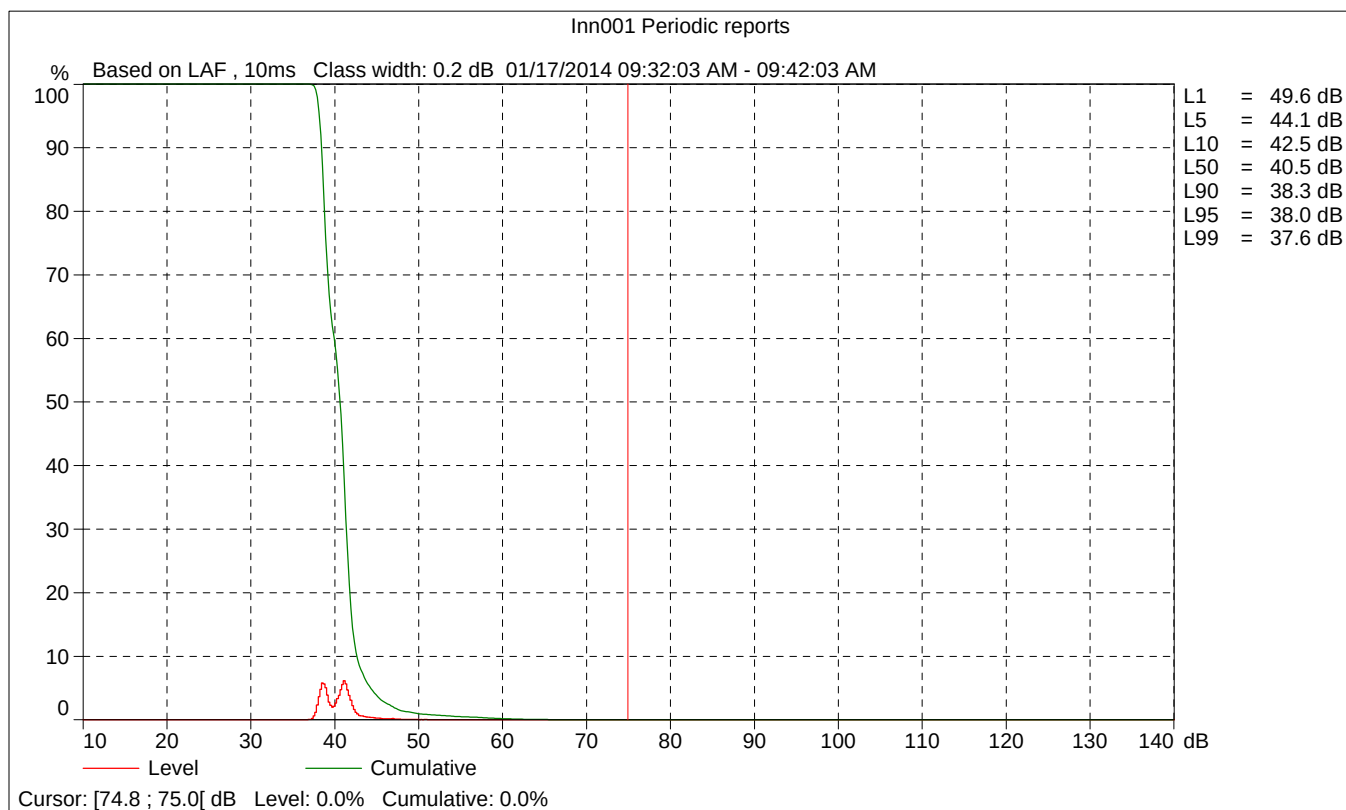
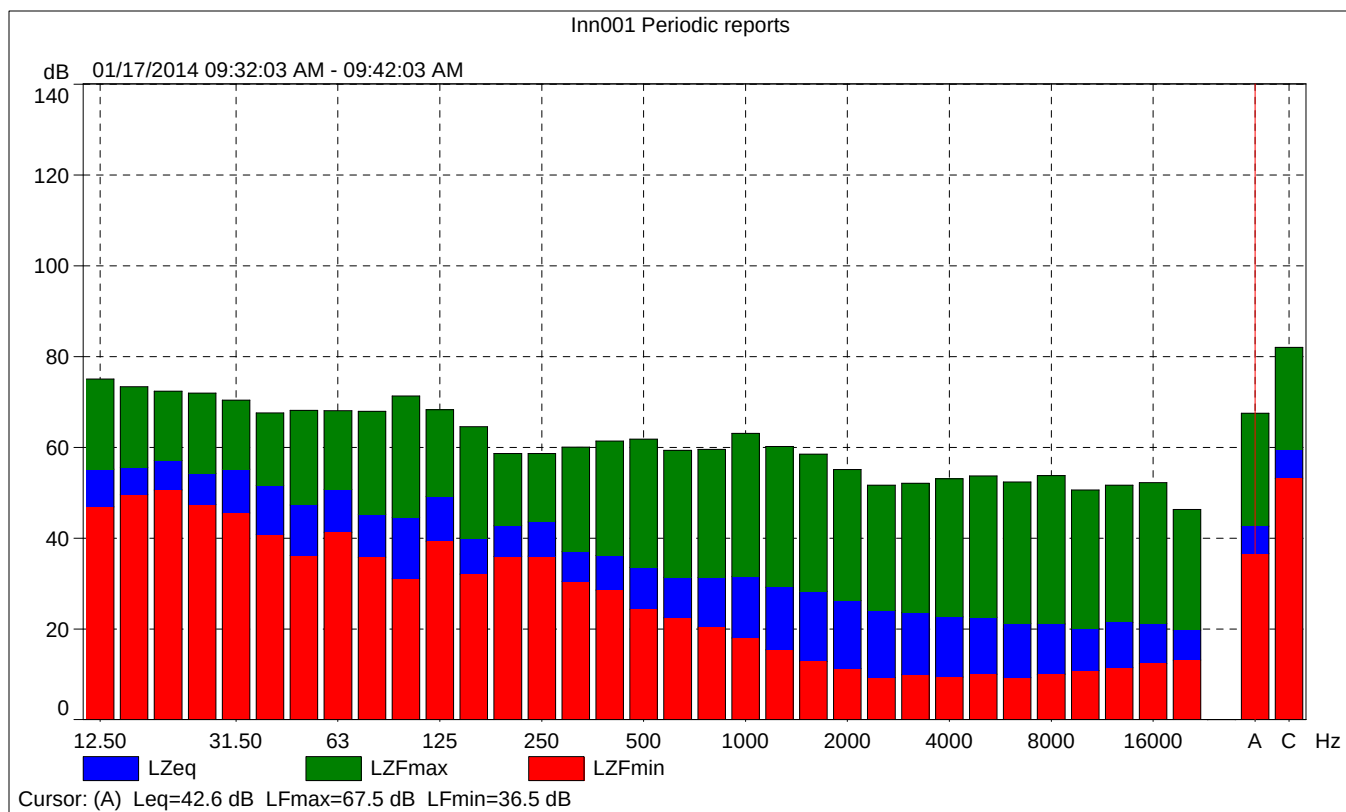
	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			39.4	39.0	37.2
Time	08:37:31 AM	0:00:01			
Date	01/17/2014				

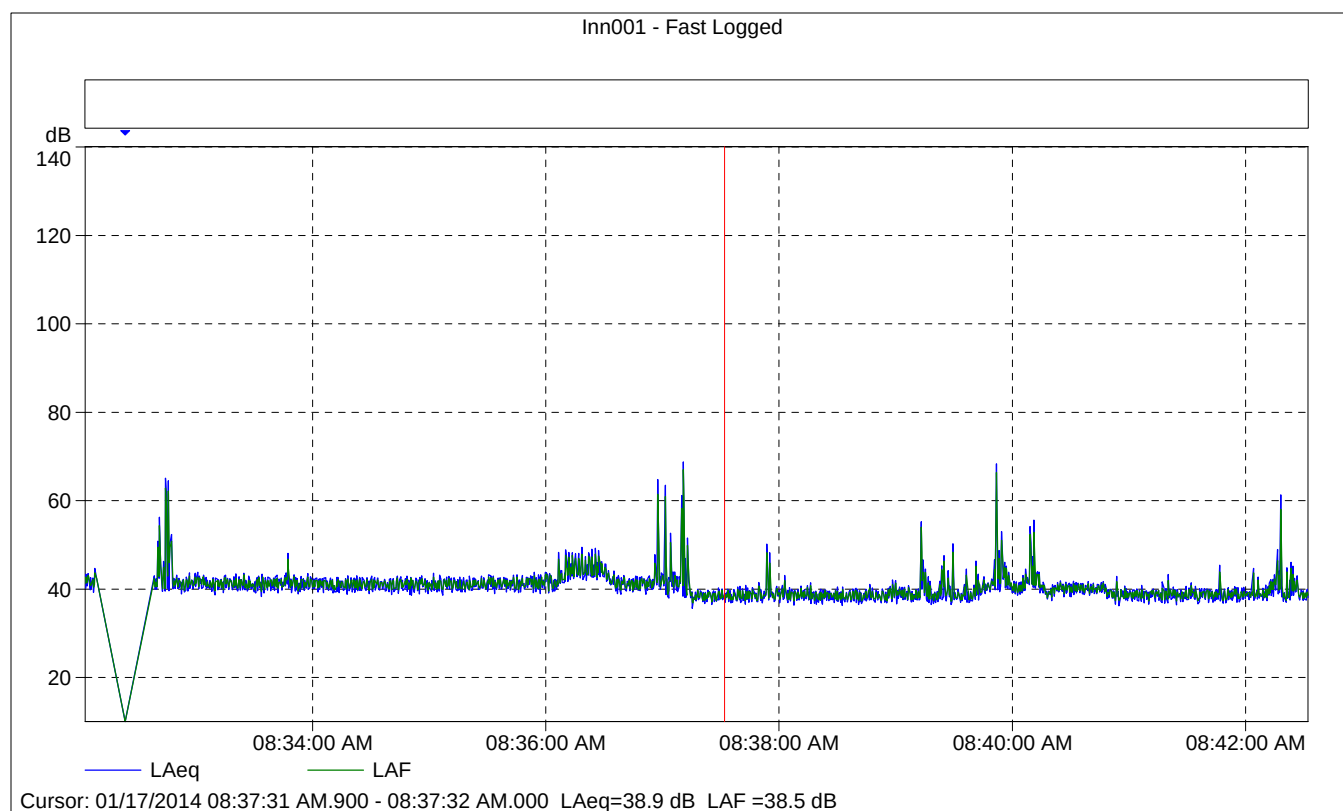




Inn001 Periodic reports

	Start time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	51.9	67.5	36.5
Time	09:32:03 AM	0:10:00				
Date	01/17/2014					





Inn001 - Fast Logged

	Start time	Elapsed time	LAeq [dB]
Value			38.9
Time	08:37:31 AM.900	0:00:00.100	
Date	01/17/2014		

Site Number: 2			
Recorded By: Eddie Torres			
Job Number: 139231			
Date: 1/17/14			
Time: 8:46 AM			
Location: Plaza in the Village adjacent to the gondola			
Source of Peak Noise: Light pedestrian activity			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	2548189	7/12/2013	
	Microphone	Brüel & Kjær	4189	2543364	7/12/2013	
	Preamp	Brüel & Kjær	ZC 0032	4265	7/12/2013	
	Calibrator	Brüel & Kjær	4231	2545667	7/12/2013	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	2.8		40		28.65	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 2.0.2
Start Time:		01/17/2014 08:46:12
End Time:		01/17/2014 08:56:12
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		138.76

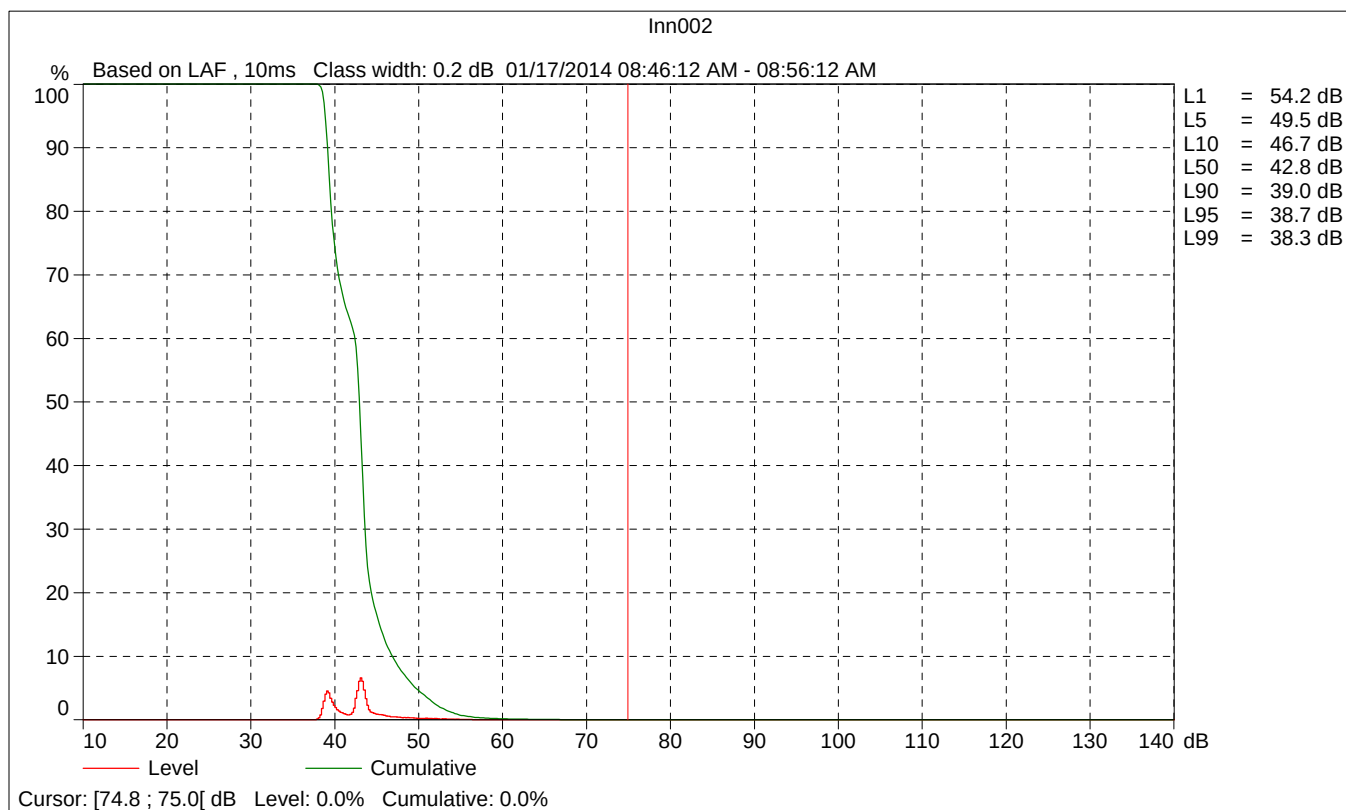
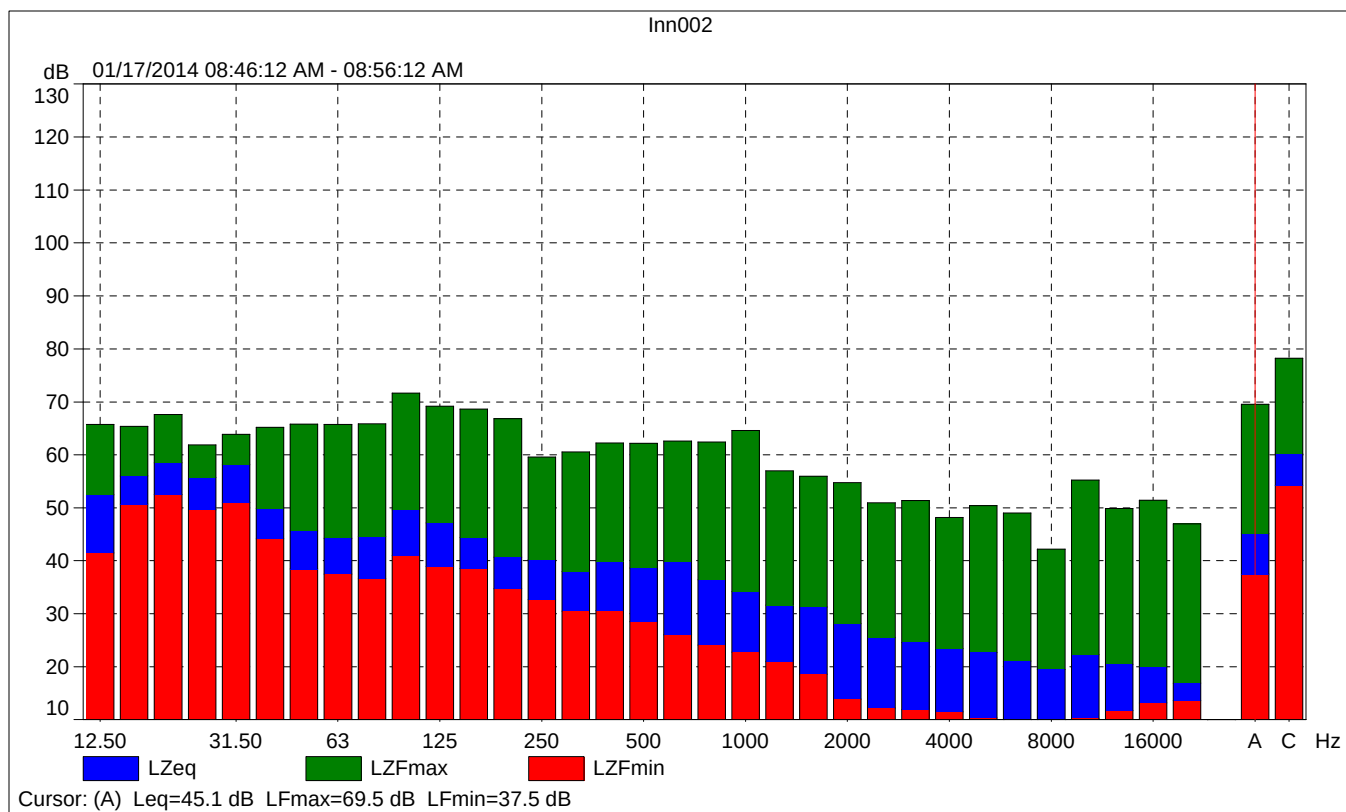
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

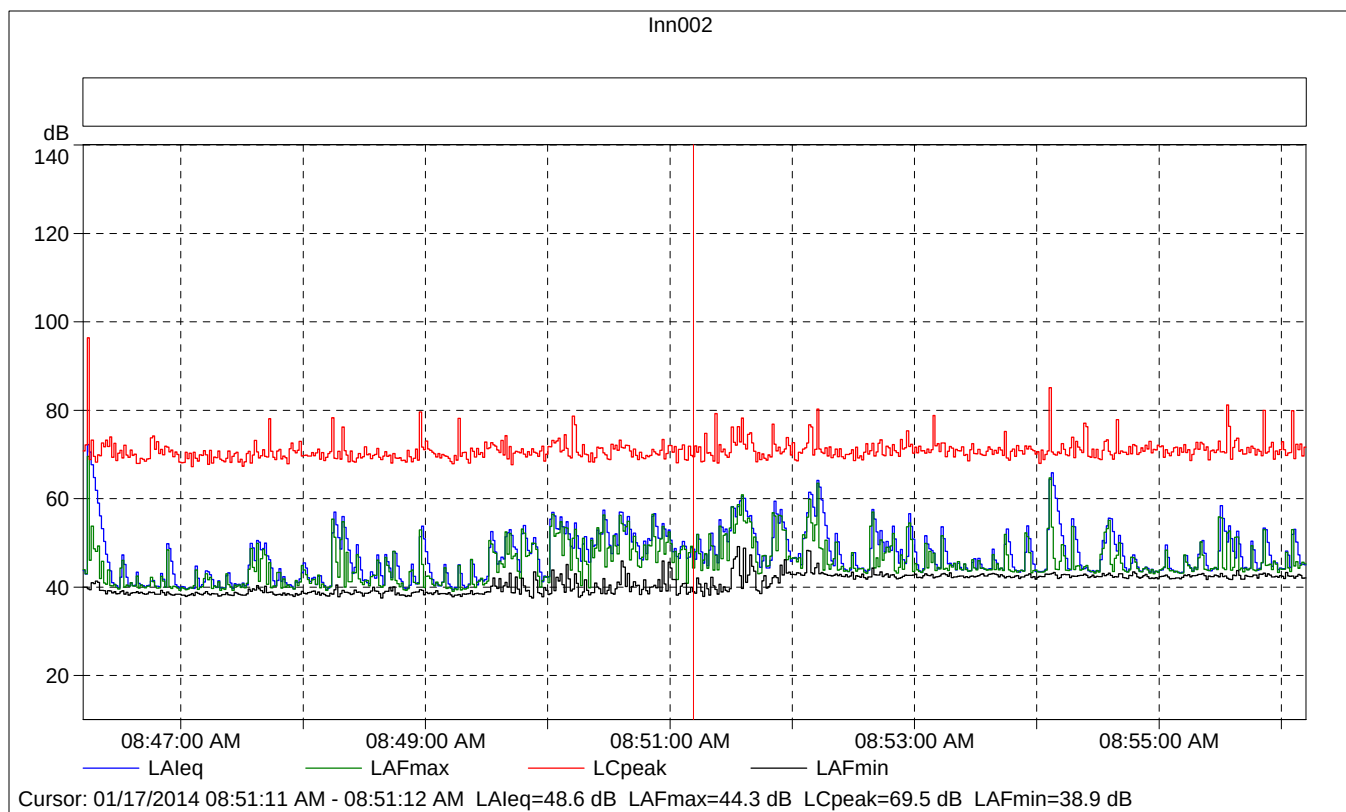
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Diffuse-field

Calibration Time:		04/21/2014 13:56:50
Calibration Type:		External reference
Sensitivity:		64.25 mV/Pa

Inn002

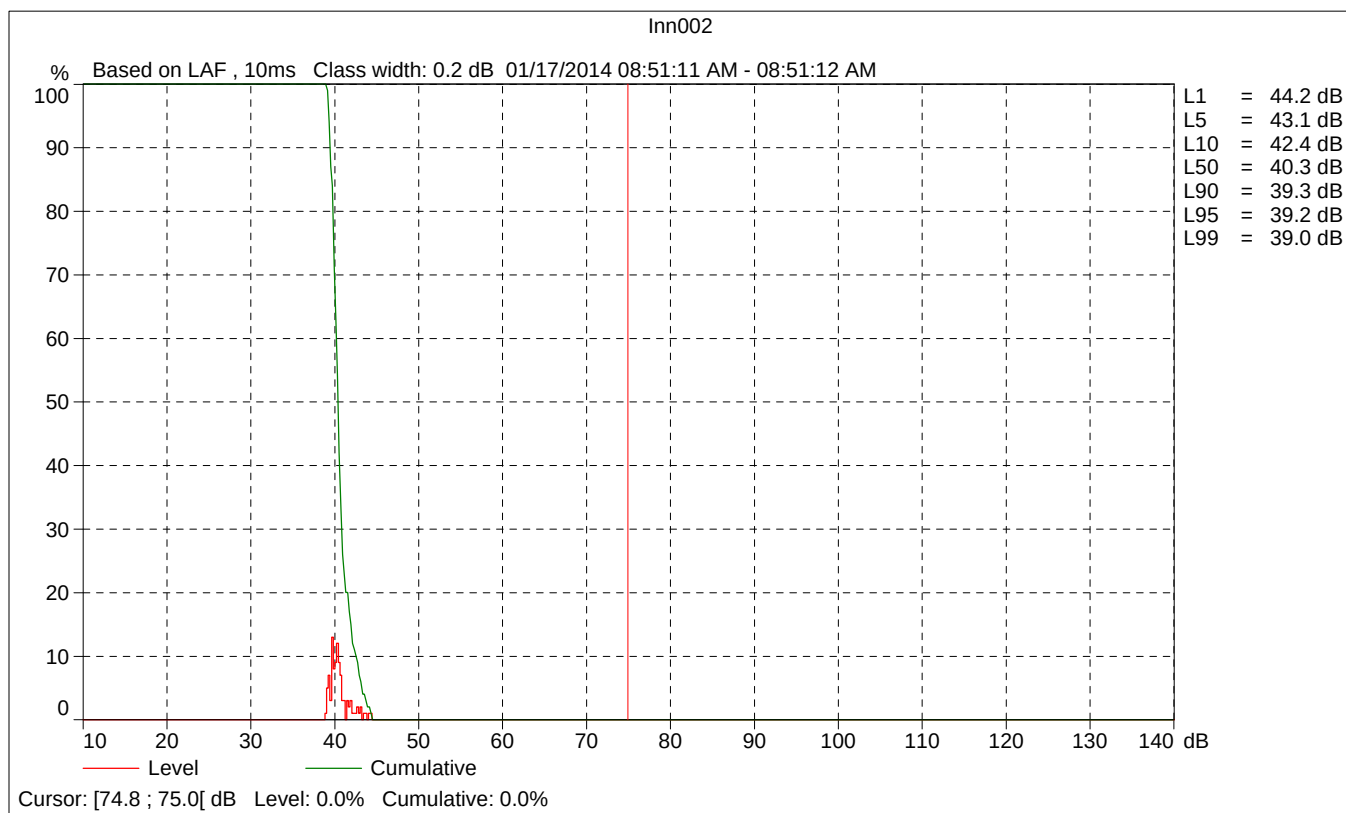
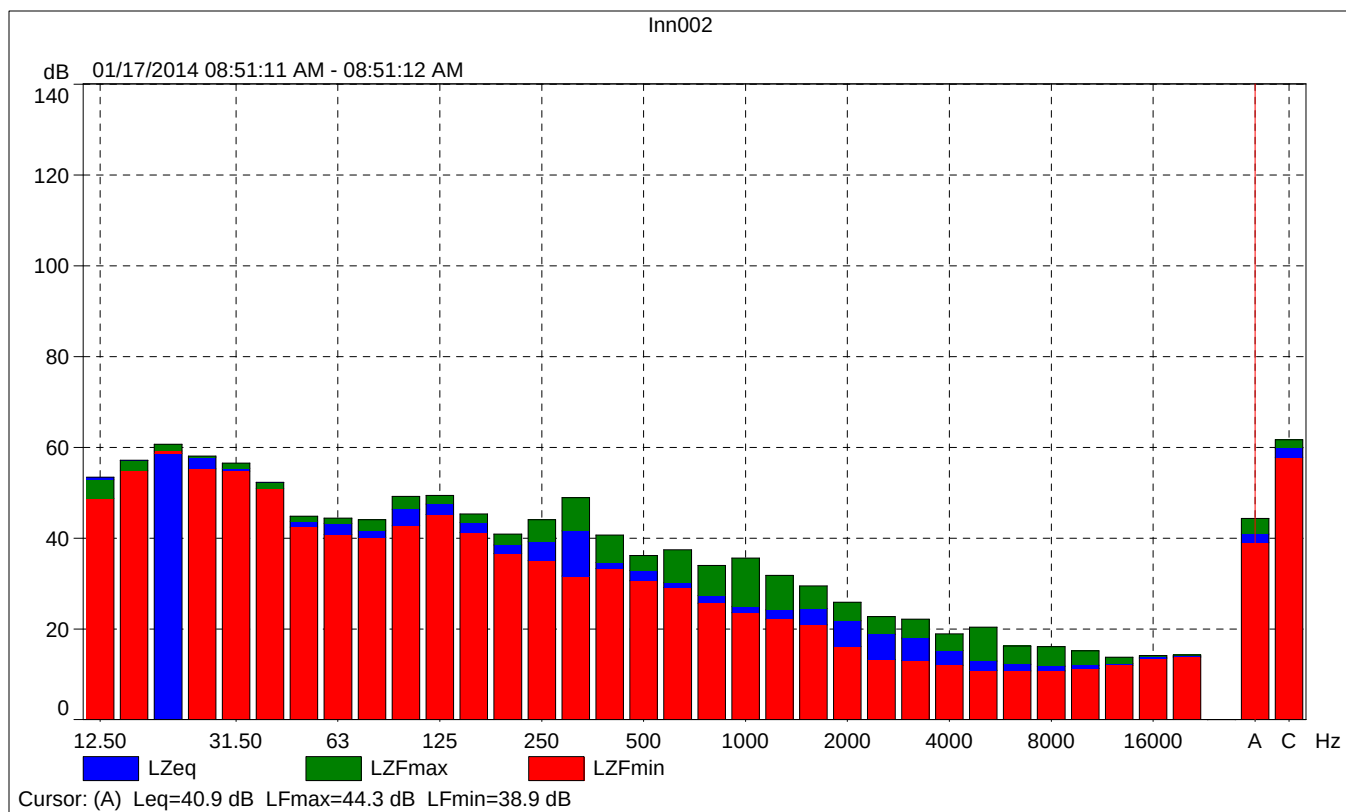
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	45.1	69.5	37.5
Time	08:46:12 AM	08:56:12 AM	0:10:00				
Date	01/17/2014	01/17/2014					

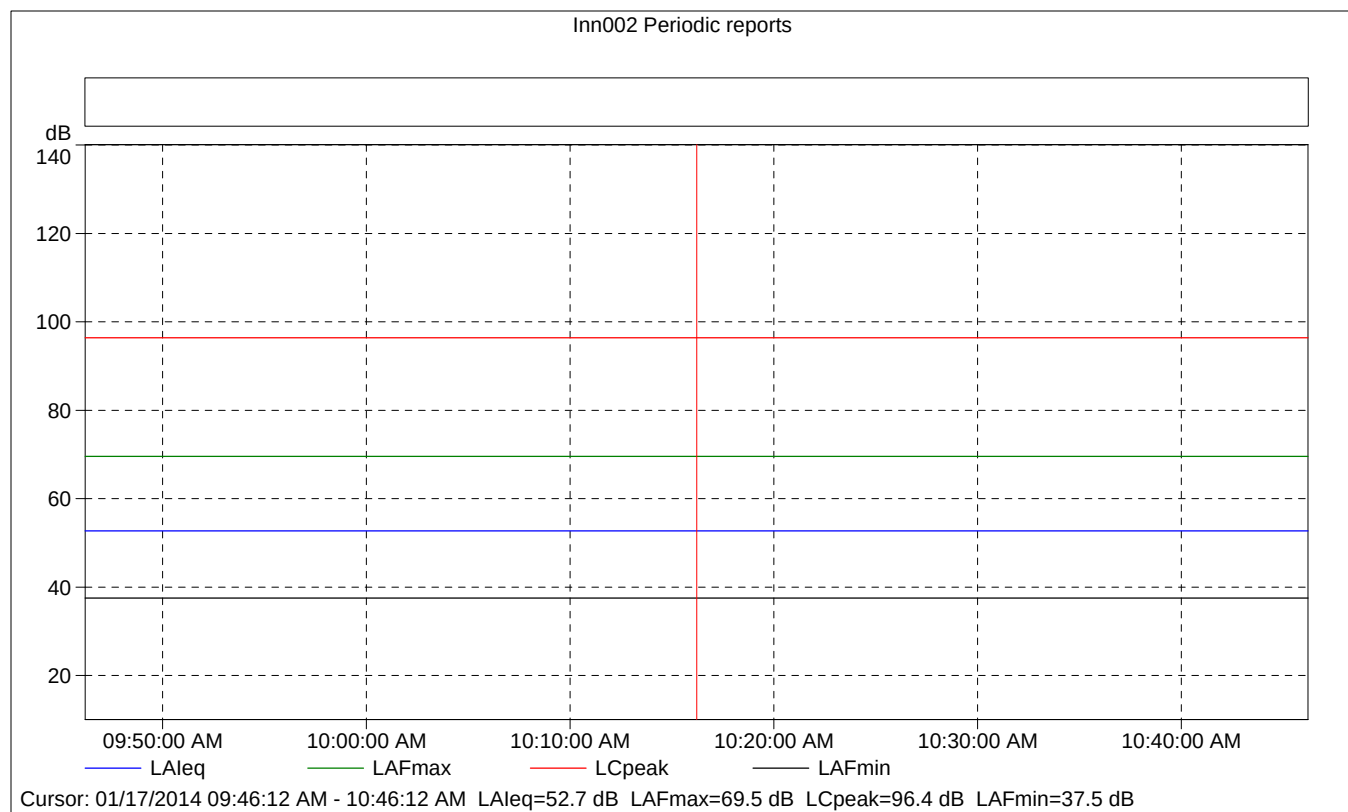




Inn002

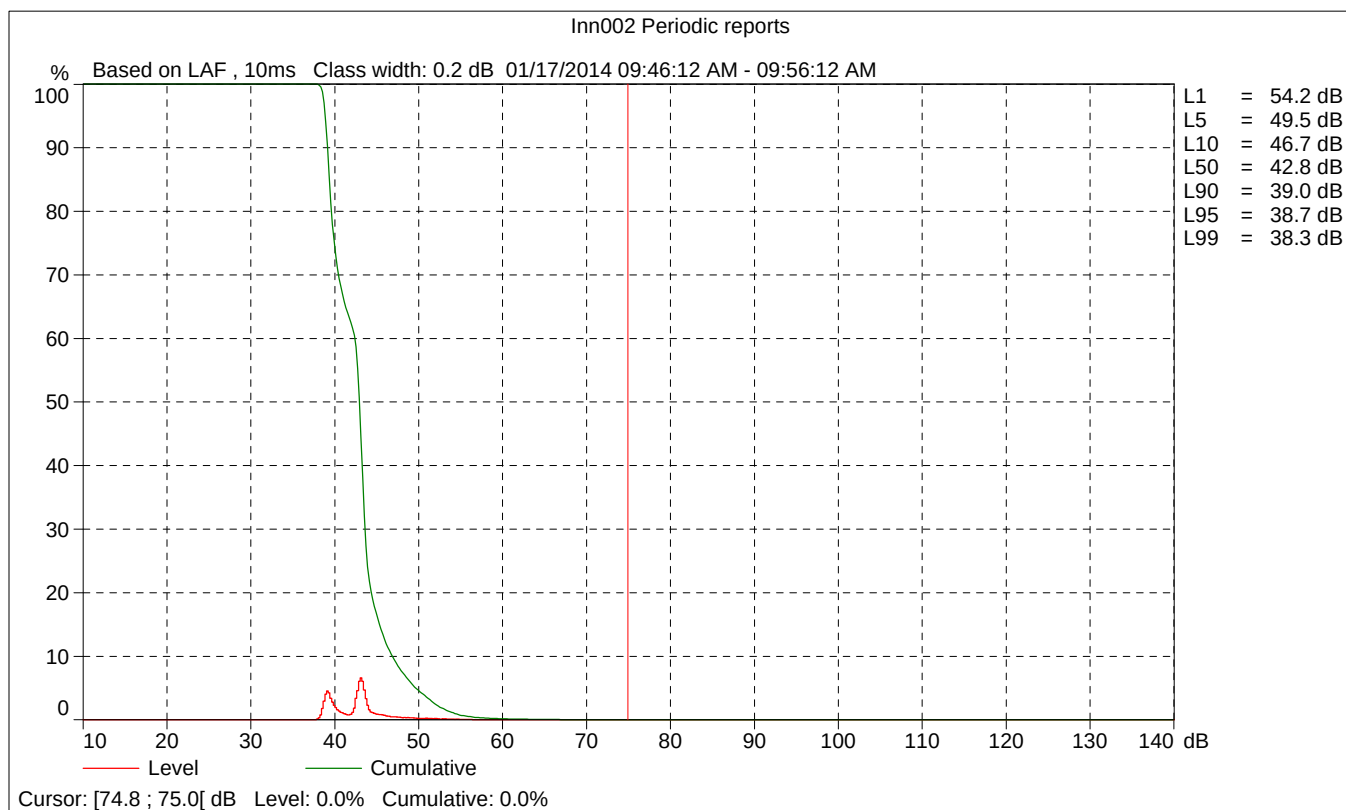
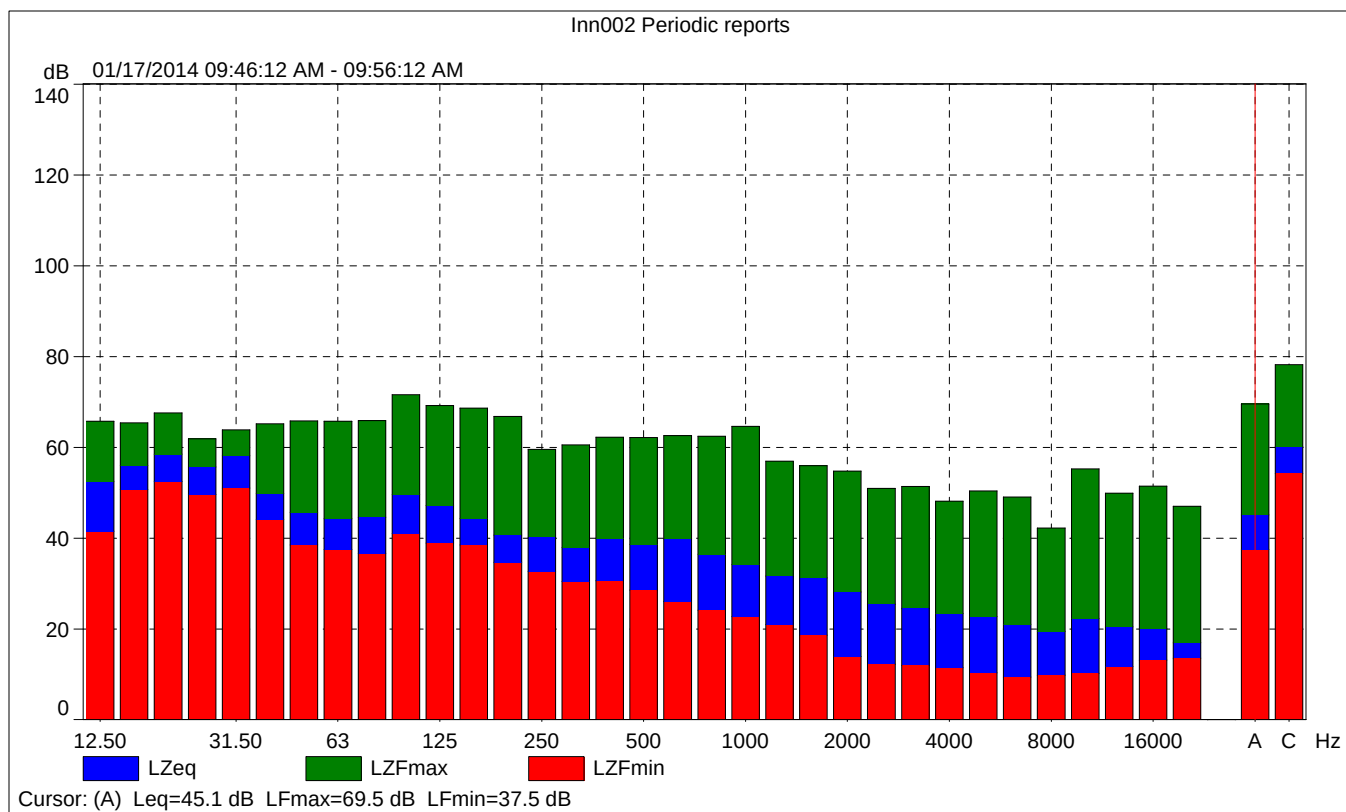
	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			48.6	44.3	38.9
Time	08:51:11 AM	0:00:01			
Date	01/17/2014				

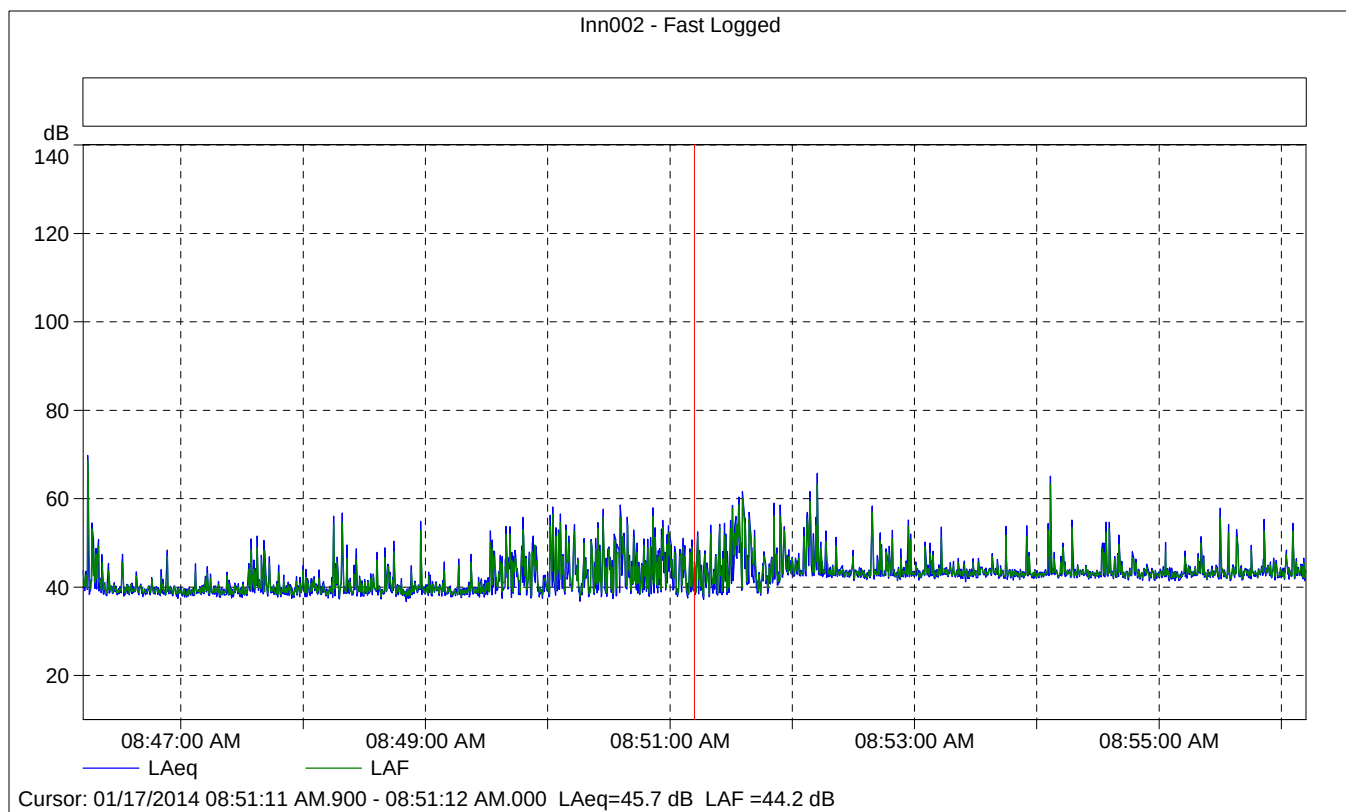




Inn002 Periodic reports

	Start time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	52.7	69.5	37.5
Time	09:46:12 AM	0:10:00				
Date	01/17/2014					





Inn002 - Fast Logged

	Start time	Elapsed time	LAeq [dB]
Value			45.7
Time	08:51:11 AM.900	0:00:00.100	
Date	01/17/2014		

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

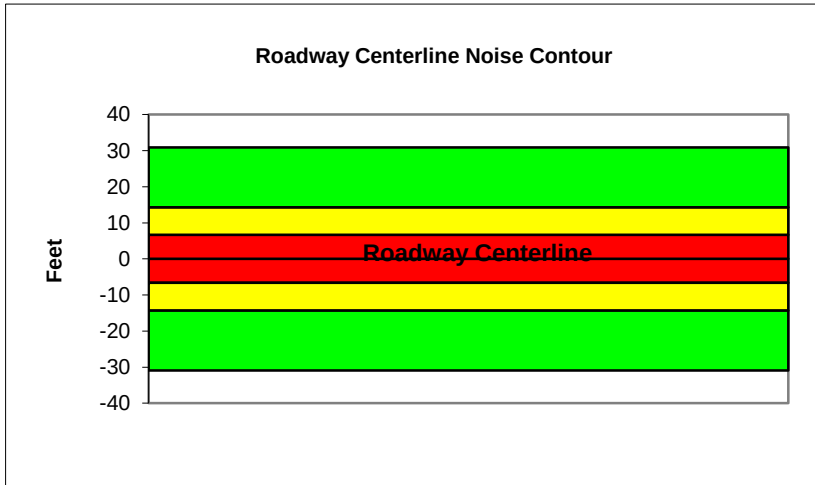
Project Name:	Inn at the Village	Scenario:	Existing
Analyst:	Alesia Hsiao	Job #:	139231
Roadway:	Canyon Boulevard		
Road Segment:	Crystal Lane to Hillside Drive		

PROJECT DATA			SITE DATA					
Centerline Dist to Barrier:	0		Road Grade:	0				
Barrier (0=wall, 1= berm):	0		Average Daily Traffic:	3730				
Receiver Barrier Dist:	0		Peak Hour Traffic:	373				
Centerline Dist. To Observer:	100		Vehicle Speed:	25				
Barrier Near Lane CL Dist:	0		Centerline Separation:	24				
Barrier Far lane CL Dist:	0		NOISE INPUTS					
Pad Elevation:	0.5		Site conditions:SOFT SITE					
Road Elevation:	0		FLEET MIX					
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:	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE SOURCE ELEVATIONS (Feet)			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:	38.6	47.4	45.6	39.5	48.2	48.8
Medium Trucks:	50.2	42.2	35.8	34.2	42.7	42.9
Heavy Trucks:	56.4	44.5	35.4	36.6	47.0	47.1
Vehicle Noise:	59.1	50.6	46.6	42.8	51.3	51.7

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	31
65 dBA	14
70 dBA	7
Mitigated	
60 dBA	
65 dBA	
70 dBA	



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

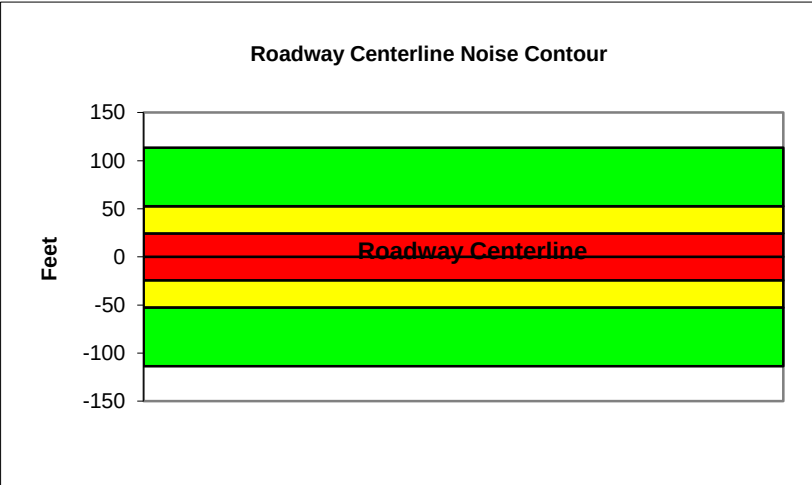
Project Name:	Inn at the Village	Scenario:	Existing
Analyst:	Alesia Hsiao	Job #:	139231
Roadway:	Main Street/Lake Mary Road		
Road Segment:	East of Minaret Road		

PROJECT DATA			SITE DATA					
Centerline Dist to Barrier:	0		Road Grade:	0				
Barrier (0=wall, 1= berm):	0		Average Daily Traffic:	13080				
Receiver Barrier Dist:	0		Peak Hour Traffic:	1308				
Centerline Dist. To Observer:	100		Vehicle Speed:	35				
Barrier Near Lane CL Dist:	0		Centerline Separation:	24				
Barrier Far lane CL Dist:	0		NOISE INPUTS					
Pad Elevation:	0.5		Site conditions:SOFT SITE					
Road Elevation:	0		FLEET MIX					
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:	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE SOURCE ELEVATIONS (Feet)			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:	48.3	57.0	55.2	49.2	57.8	58.4
Medium Trucks:	58.0	49.9	43.5	41.9	50.4	50.7
Heavy Trucks:	63.2	51.2	42.2	43.4	53.3	53.4
Vehicle Noise:	65.6	59.0	55.8	51.1	59.7	60.1

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	114
65 dBA	53
70 dBA	24
Mitigated	
60 dBA	
65 dBA	
70 dBA	



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

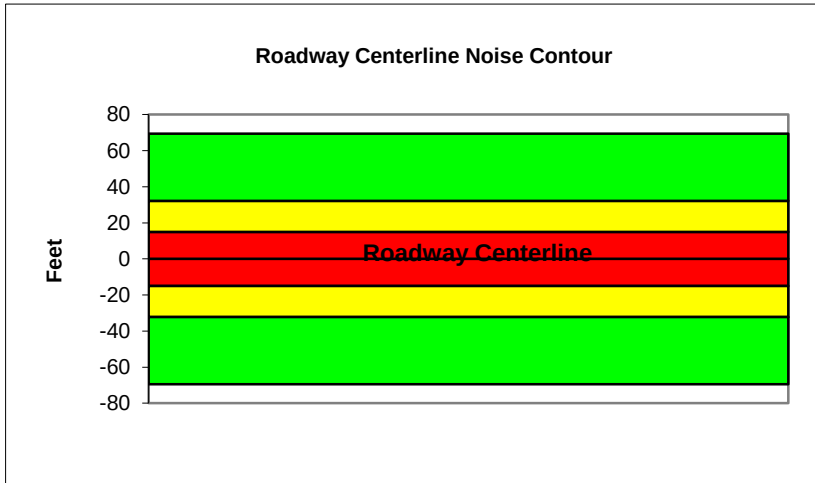
Project Name:	Inn at the Village	Scenario:	Existing
Analyst:	Alesia Hsiao	Job #:	139231
Roadway:	Main Street/Lake Mary Road		
Road Segment:	West of Minaret Road		

PROJECT DATA			SITE DATA					
Centerline Dist to Barrier:	0		Road Grade:	0				
Barrier (0=wall, 1= berm):	0		Average Daily Traffic:	6250				
Receiver Barrier Dist:	0		Peak Hour Traffic:	625				
Centerline Dist. To Observer:	100		Vehicle Speed:	35				
Barrier Near Lane CL Dist:	0		Centerline Separation:	24				
Barrier Far lane CL Dist:	0		NOISE INPUTS					
Pad Elevation:	0.5		Site conditions:SOFT SITE					
Road Elevation:	0		FLEET MIX					
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:	Med. Truck	0.848	0.049	0.103	0.0184	
			Heavy Truck	0.865	0.027	0.108	0.0074	
NOISE SOURCE ELEVATIONS (Feet)								
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:	45.0	53.8	52.0	46.0	54.6	55.2
Medium Trucks:	54.8	46.7	40.3	38.7	47.2	47.5
Heavy Trucks:	60.0	48.0	39.0	40.2	50.1	50.2
Vehicle Noise:	62.4	55.8	52.6	47.9	56.5	56.9

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	69
65 dBA	32
70 dBA	15
Mitigated	
60 dBA	
65 dBA	
70 dBA	



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

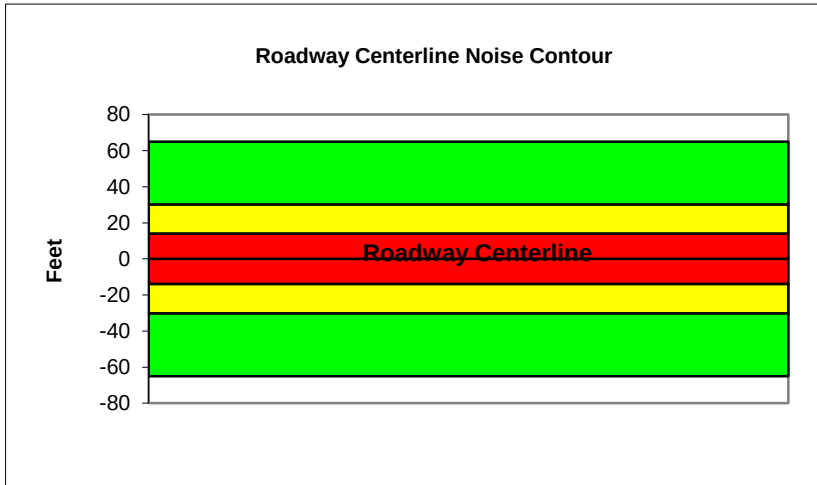
Project Name:	Inn at the Village	Scenario:	Existing
Analyst:	Alesia Hsiao	Job #:	139231
Roadway:	Minaret Road		
Road Segment:	North of Main Street/Lake Mary Road		

PROJECT DATA			SITE DATA					
Centerline Dist to Barrier:	0		Road Grade:	0				
Barrier (0=wall, 1= berm):	0		Average Daily Traffic:	7910				
Receiver Barrier Dist:	0		Peak Hour Traffic:	791				
Centerline Dist. To Observer:	100		Vehicle Speed:	30				
Barrier Near Lane CL Dist:	0		Centerline Separation:	28				
Barrier Far lane CL Dist:	0		NOISE INPUTS					
Pad Elevation:	0.5		Site conditions:SOFT SITE					
Road Elevation:	0		FLEET MIX					
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:	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE SOURCE ELEVATIONS (Feet)			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:	44.0	52.8	51.0	44.9	53.6	54.2
Medium Trucks:	54.6	46.6	40.2	38.6	47.1	47.3
Heavy Trucks:	60.3	48.3	39.3	40.5	50.6	50.8
Vehicle Noise:	62.8	55.3	51.8	47.4	56.0	56.4

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	65
65 dBA	30
70 dBA	14
Mitigated	
60 dBA	
65 dBA	
70 dBA	



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

Project Name:	Inn at the Village	Scenario:	Existing
Analyst:	Alesia Hsiao	Job #:	139231
Roadway:	Minaret Road		
Road Segment:	South of Main Street/Lake Mary Road		

PROJECT DATA			SITE DATA				
Centerline Dist to Barrier:	0		Road Grade:	0			
Barrier (0=wall, 1= berm):	0		Average Daily Traffic:	6980			
Receiver Barrier Dist:	0		Peak Hour Traffic:	698			
Centerline Dist. To Observer:	100		Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0		Centerline Separation:	36			
Barrier Far lane CL Dist:	0		NOISE INPUTS				
Pad Elevation:	0.5		Site conditions:SOFT SITE				
Road Elevation:	0		FLEET MIX				
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:	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)			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:	46.9	55.7	53.9	47.8	56.5	57.1
Medium Trucks:	55.8	47.8	41.4	39.8	48.3	48.5
Heavy Trucks:	60.7	48.8	39.7	40.9	50.6	50.8
Vehicle Noise:	63.1	57.3	54.3	49.4	58.0	58.4

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	92
65 dBA	43
70 dBA	20
Mitigated	
60 dBA	
65 dBA	
70 dBA	

