


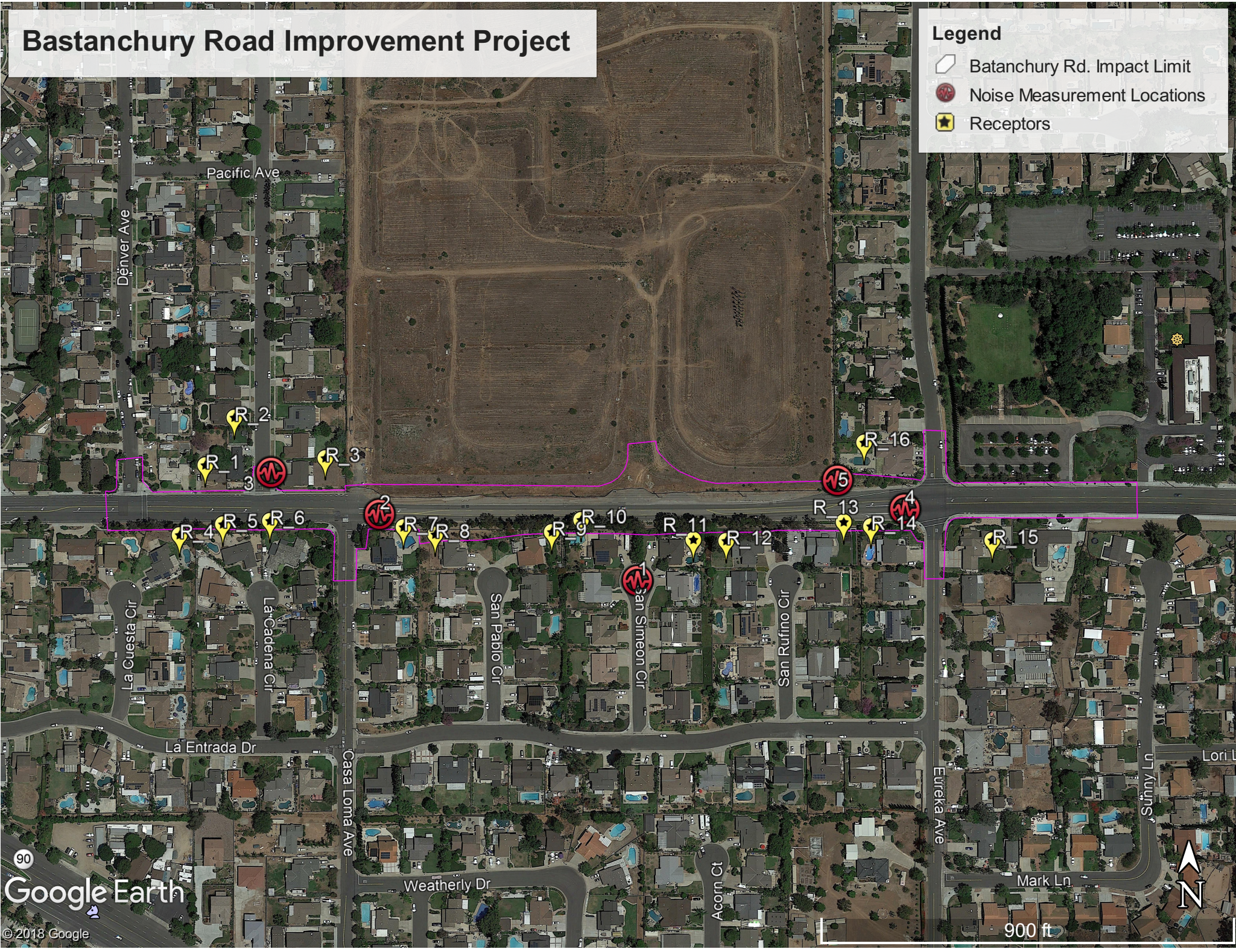


APPENDIX D: Noise Data

Bastanchury Road Improvement Project

Legend

-  Batanchury Rd. Impact Limit
-  Noise Measurement Locations
-  Receptors



Site Number: Bastanchury Site #1			
Recorded By: Pierre Glaize			
Job Number: 167987			
Date: 05/02/19			
Time: 2:19 p.m.			
Location: San Simeon Cul-de-sac, perpendicular to Bastanchury road.			
Source of Peak Noise: Traffic on San Simeon and aircraft above.			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
50.0	41.7	70.8	95.8

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny		
	Note: dBA Offset = 0.00			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	10 mph		74°		29.95	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		05/02/2019 14:18:43
End Time:		05/02/2019 14:28:43
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.10

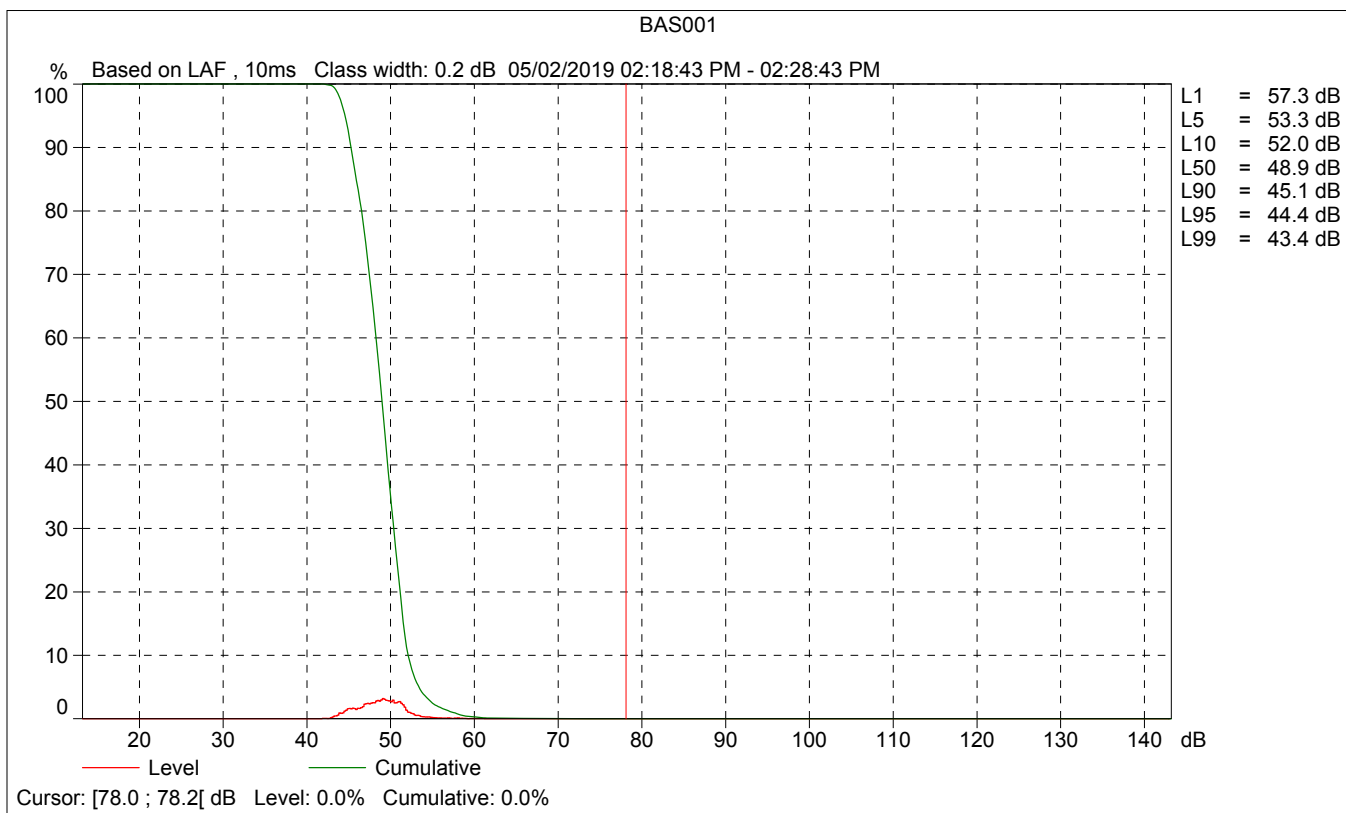
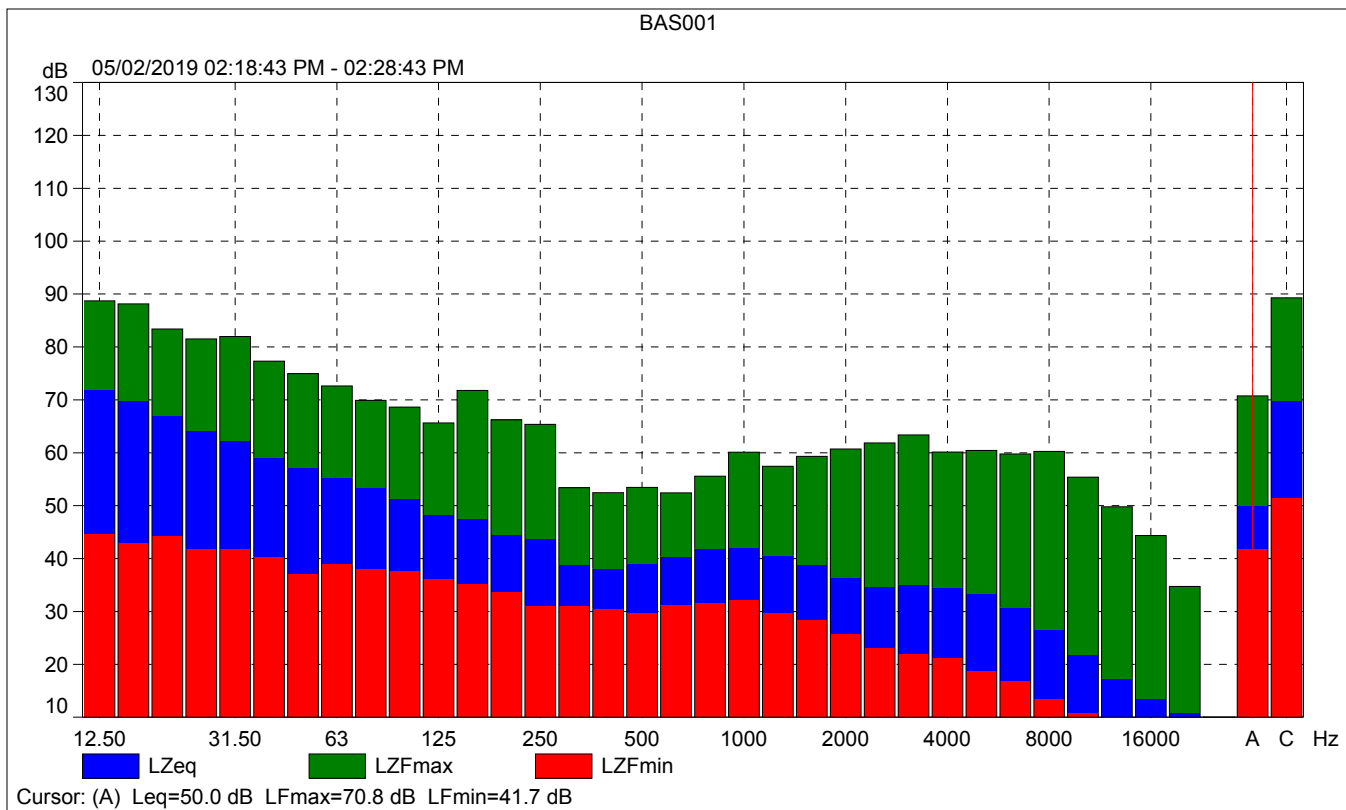
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		A
Spectrum:	FS	Z

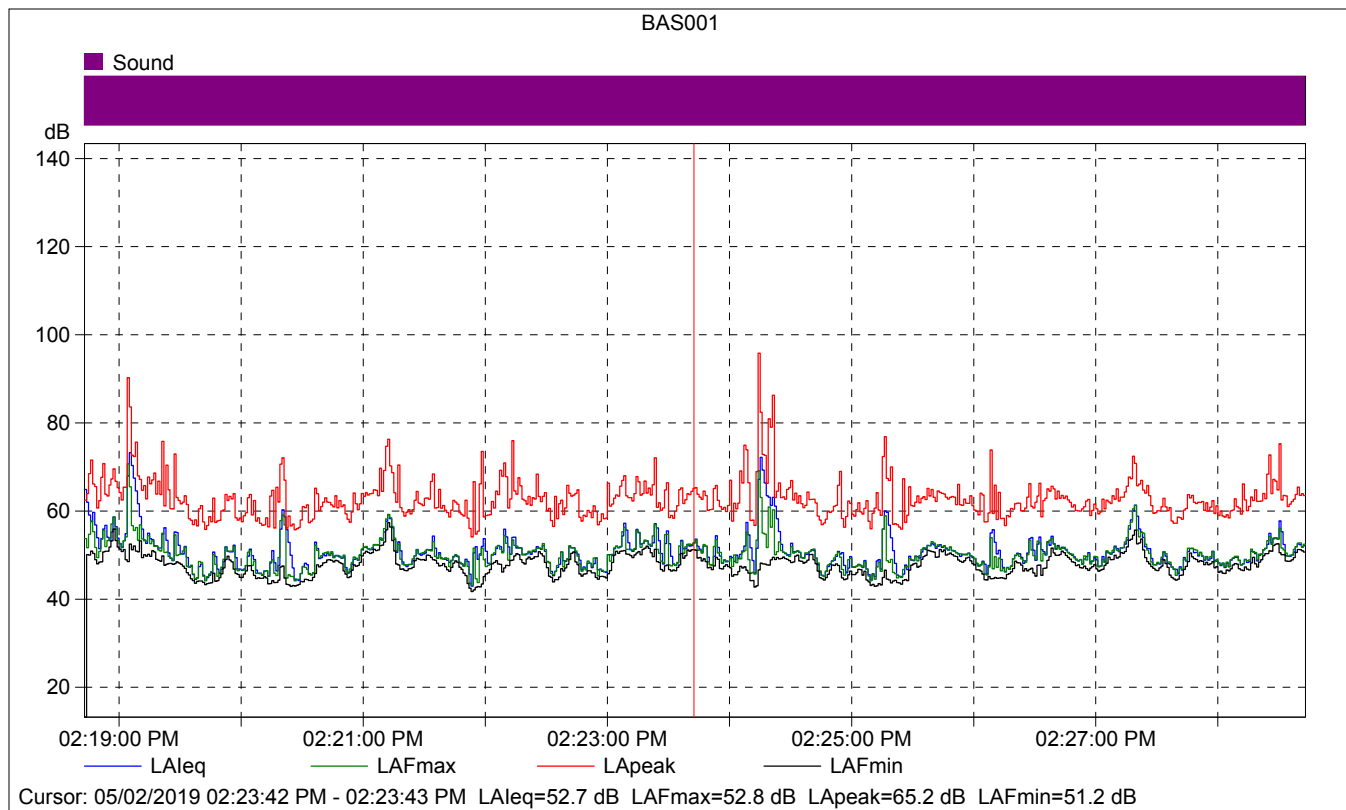
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		05/02/2019 11:05:28
Calibration Type:		External reference
Sensitivity:		43.7461659312248 mV/Pa

BAS001

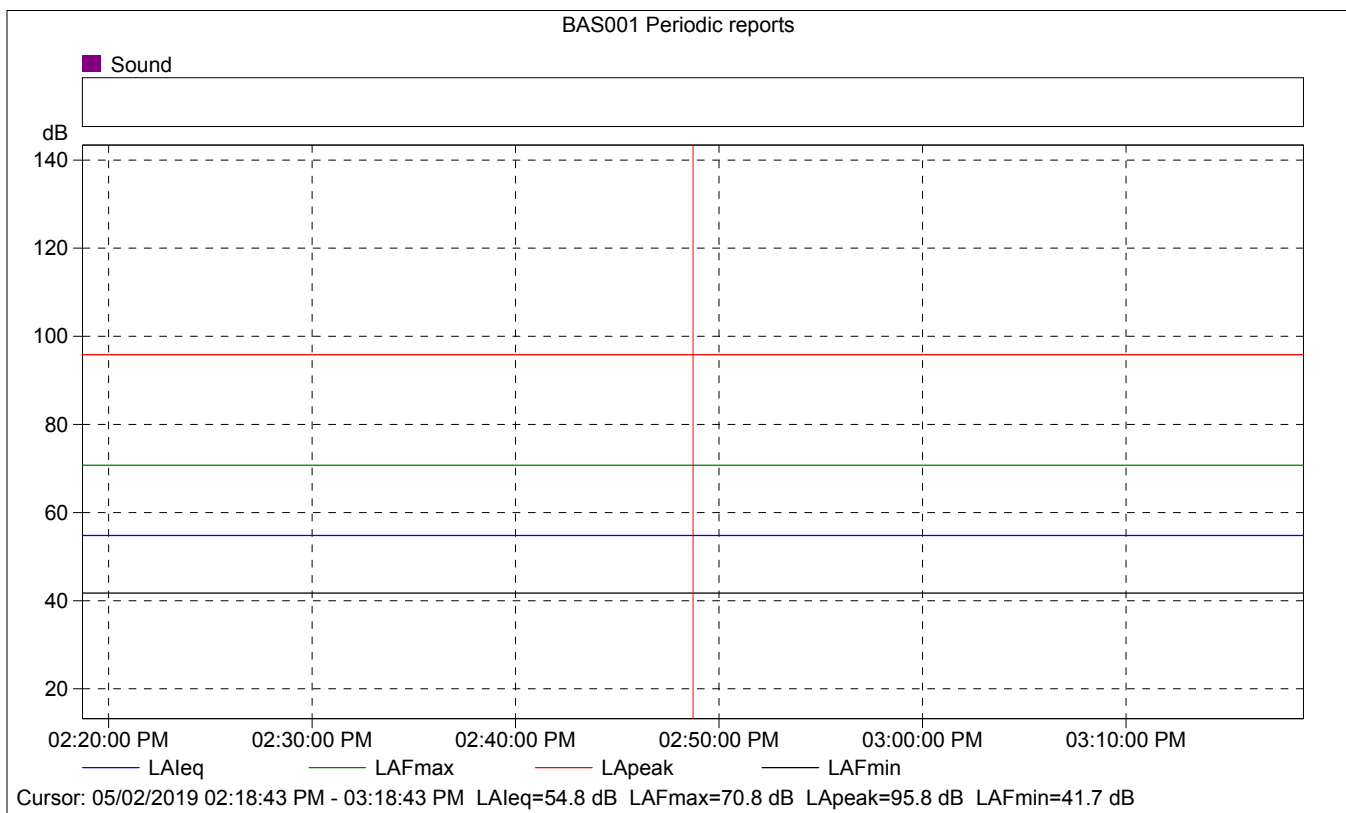
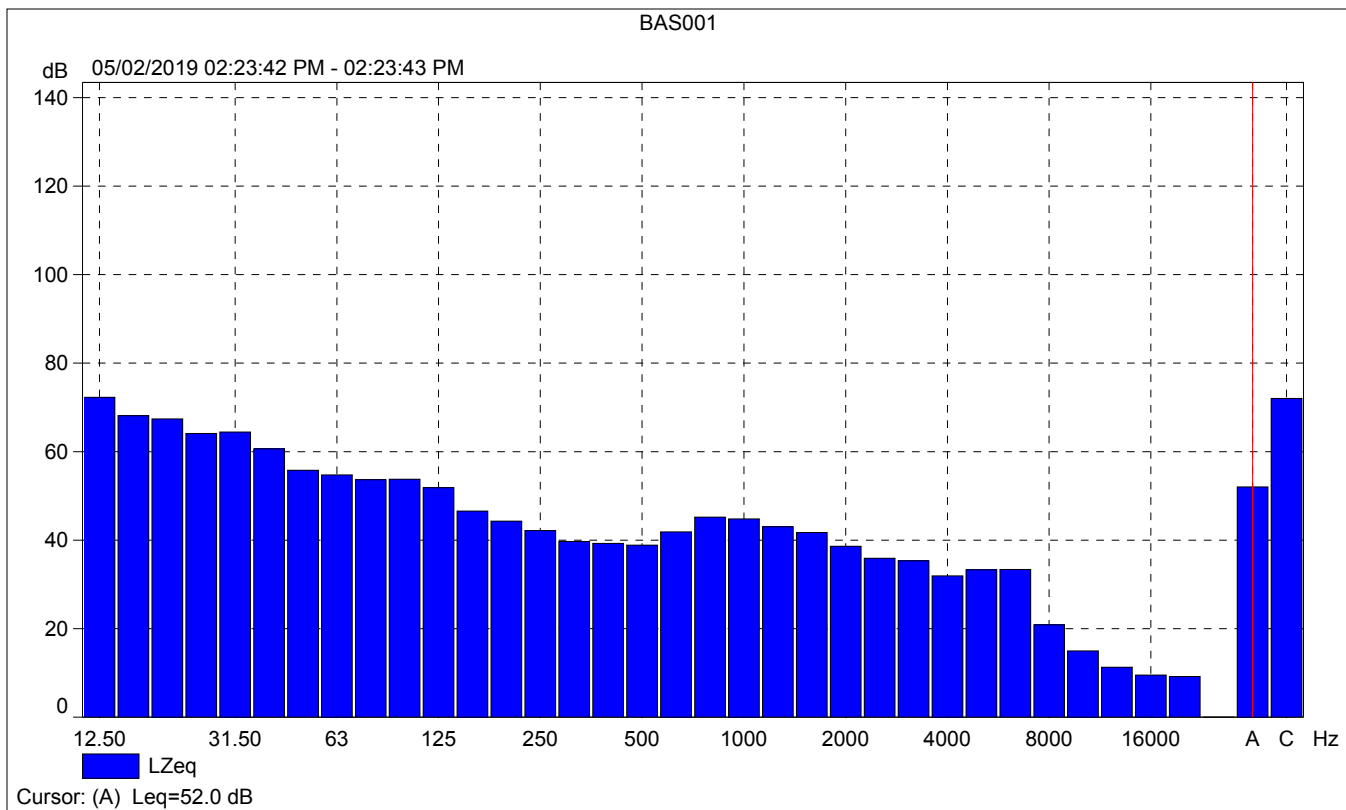
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	50.0	70.8	41.7
Time	02:18:43 PM	02:28:43 PM	0:10:00				
Date	05/02/2019	05/02/2019					





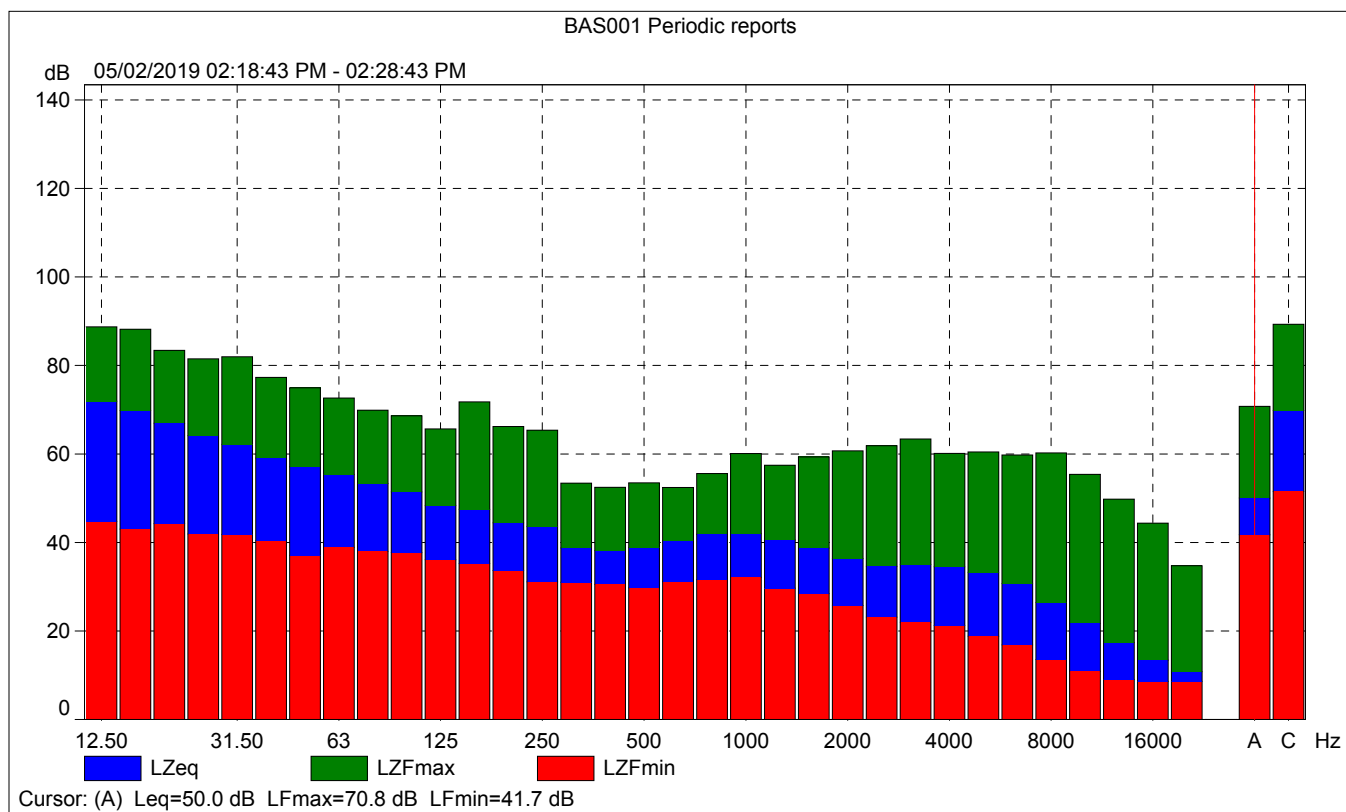
BAS001

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			52.7	52.8	51.2
Time	02:23:42 PM	0:00:01			
Date	05/02/2019				



BAS001 Periodic reports

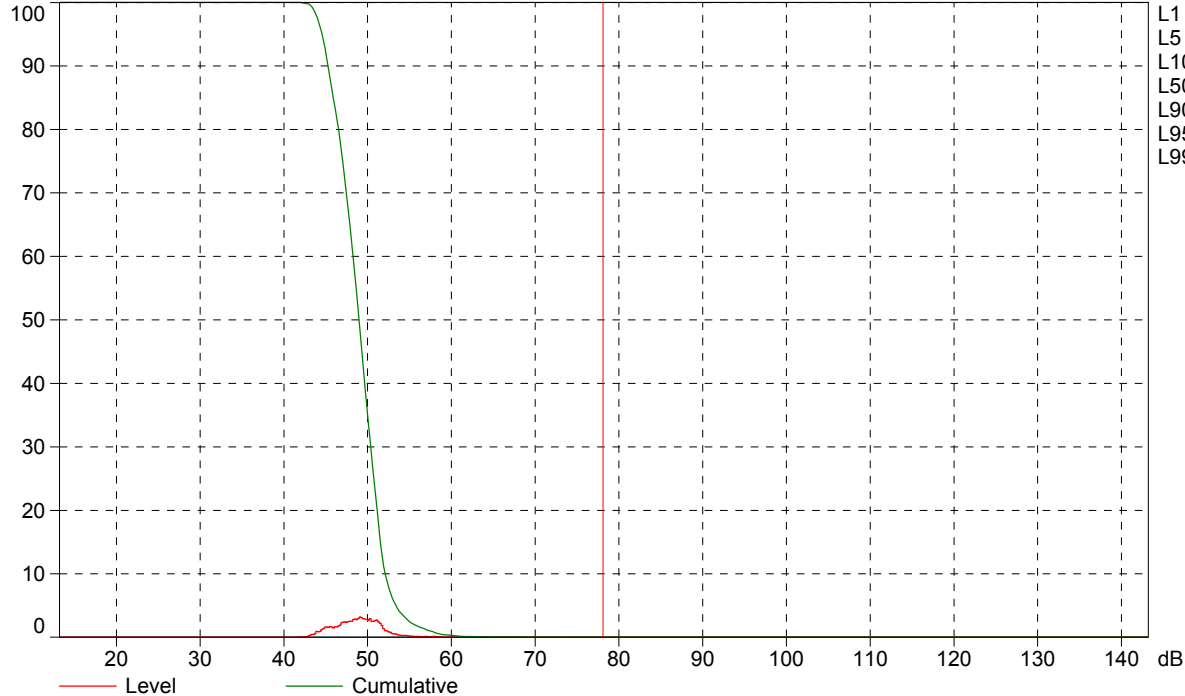
	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	54.8	70.8	41.7
Time	02:18:43 PM	0:10:00				
Date	05/02/2019					





BAS001 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 05/02/2019 02:18:43 PM - 02:28:43 PM



Cursor: [78.0 ; 78.2] dB Level: 0.0% Cumulative: 0.0%

Site Number: Bastanchury Site #2			
Recorded By: Pierre Glaize			
Job Number: 167987			
Date: 5/2/19			
Time: 2:33 p.m.			
Location: Southern side of Bastanchury: on the corner of Casa Coma & Bastanchury Road.			
Source of Peak Noise: Traffic on Bastanchury			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
71.1	48.5	81.6	95.6

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny		
	Note: dBA Offset = 0.00			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	10 mph		74°		29.95	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		05/02/2019 14:33:35
End Time:		05/02/2019 14:43:35
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.10

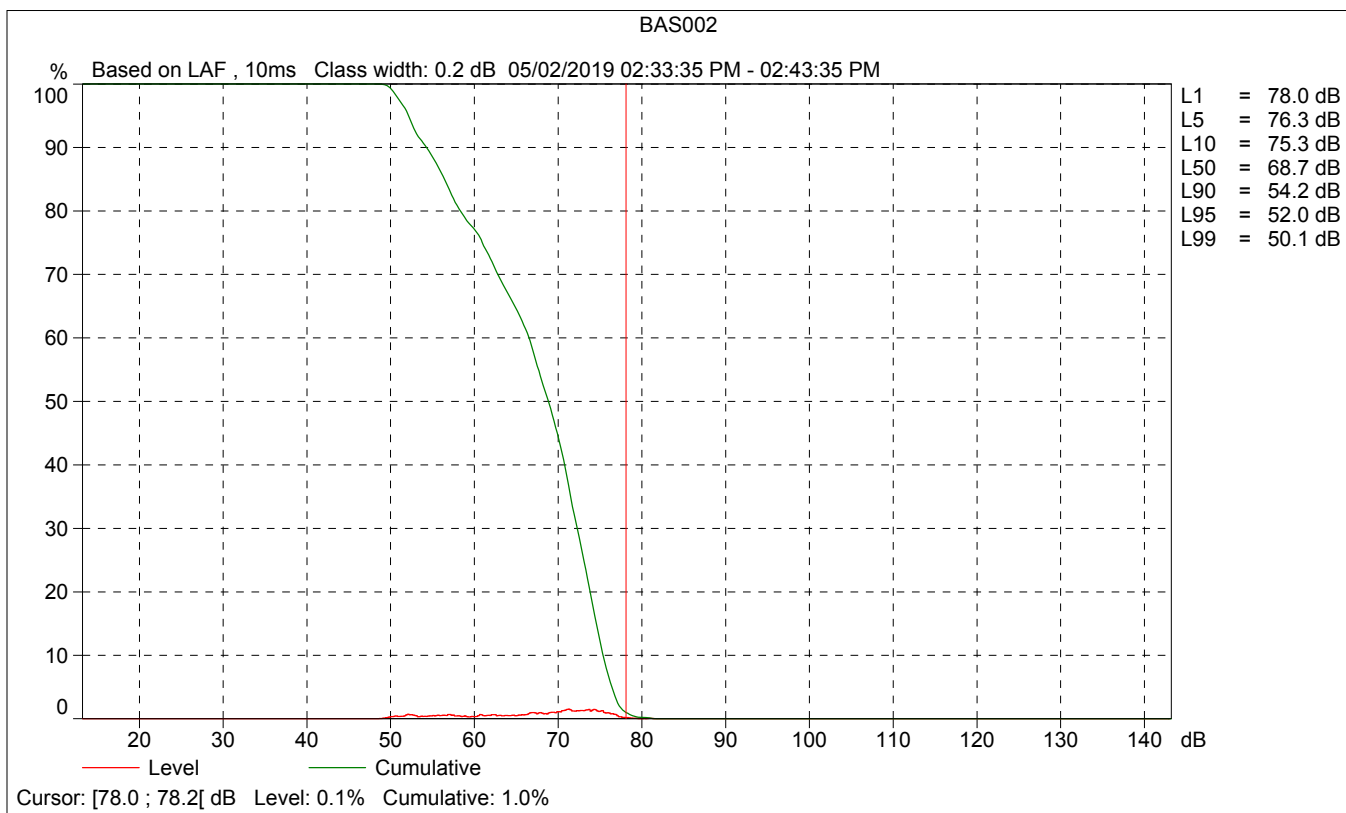
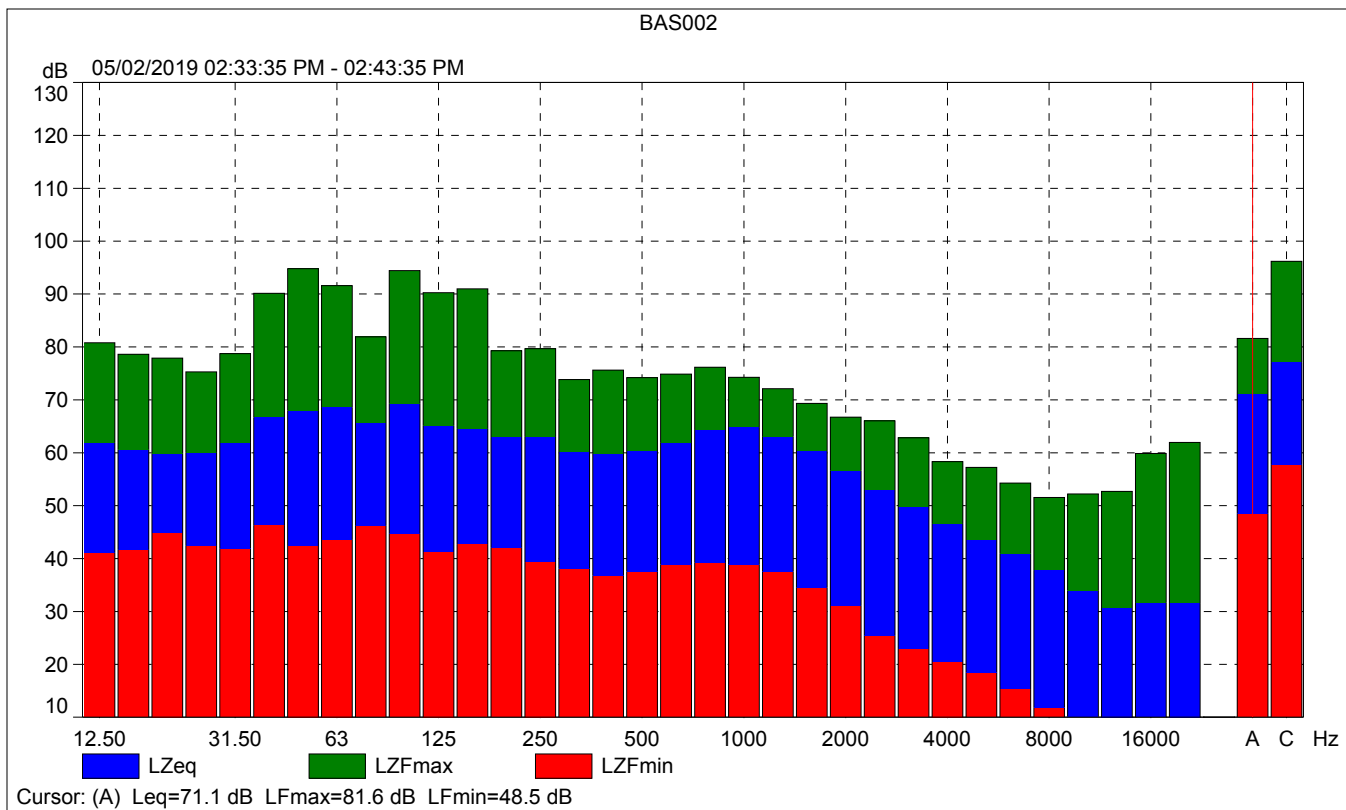
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		A
Spectrum:	FS	Z

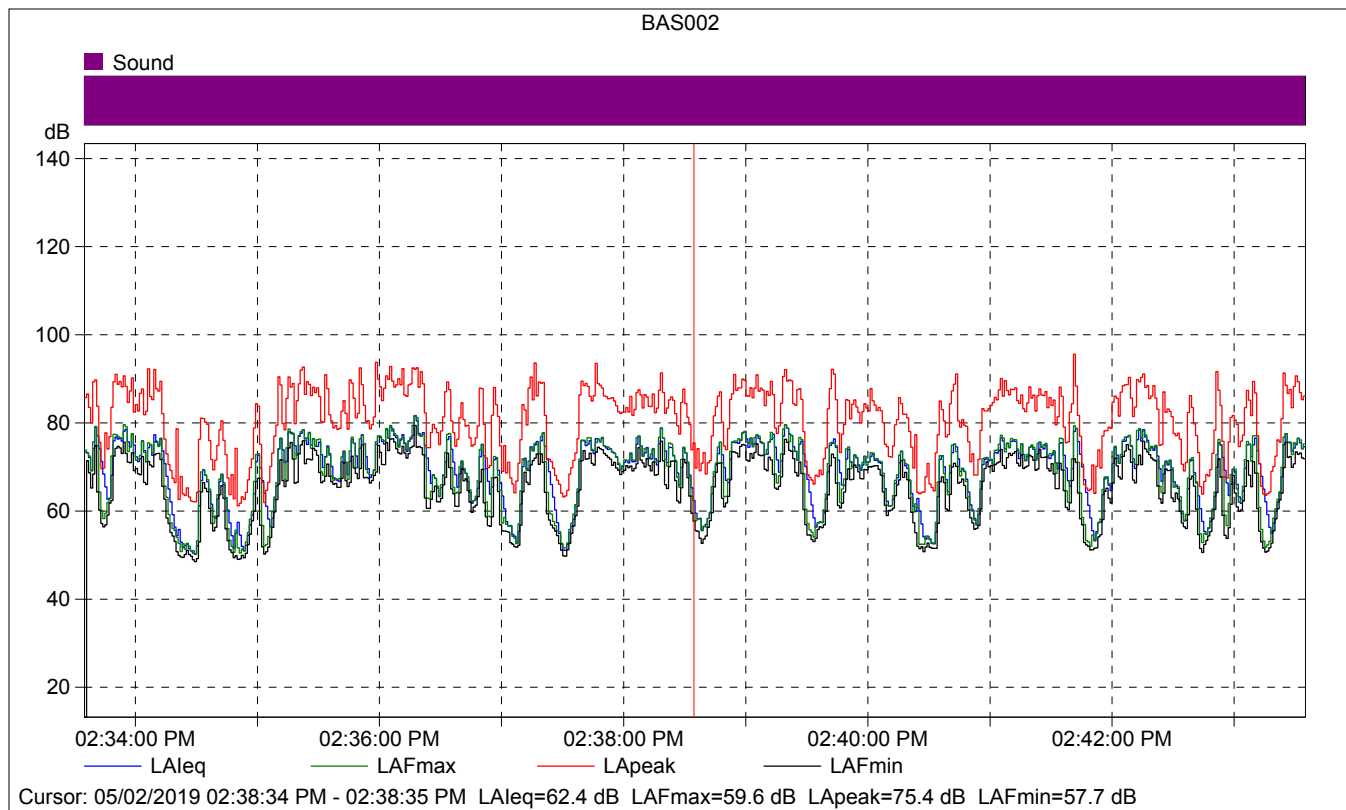
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		05/02/2019 11:05:28
Calibration Type:		External reference
Sensitivity:		43.7461659312248 mV/Pa

BAS002

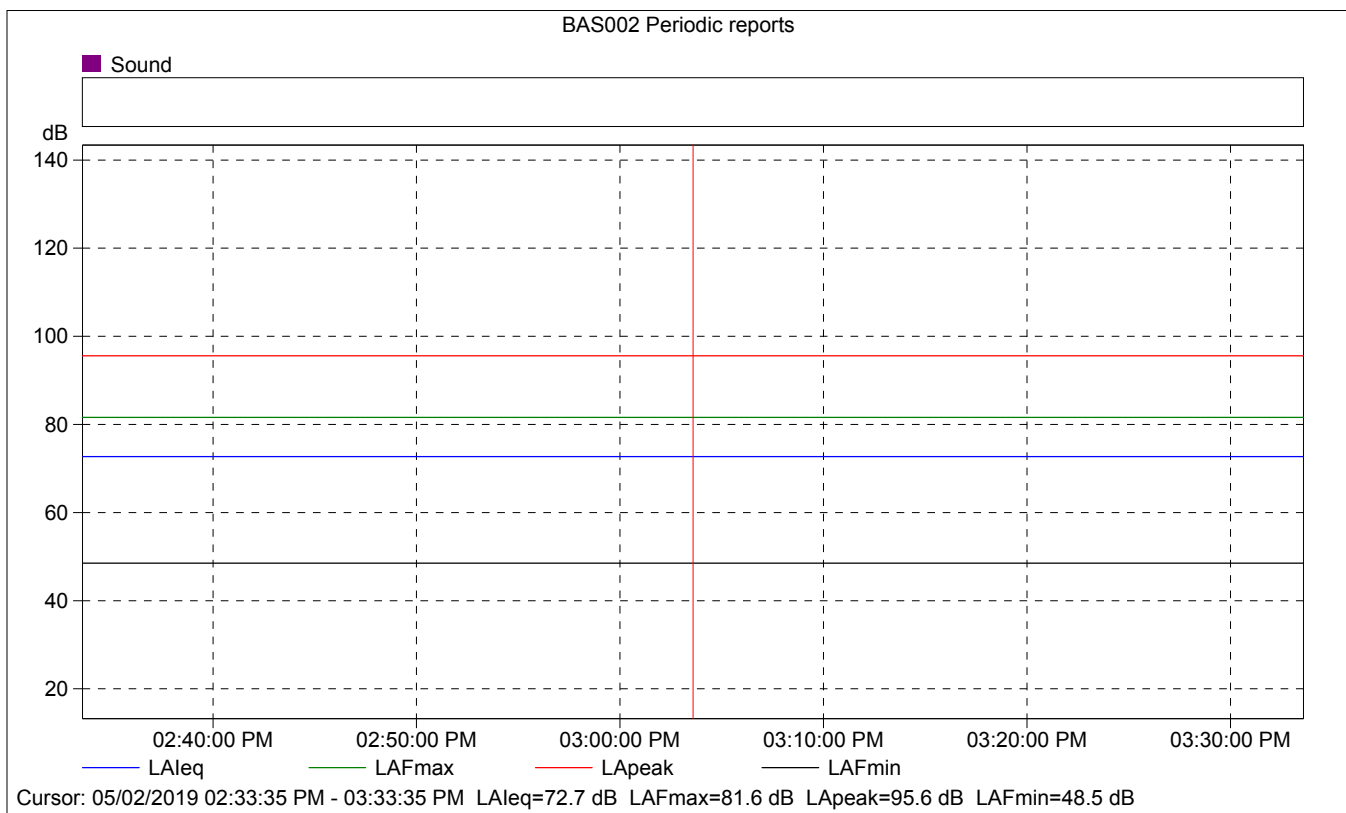
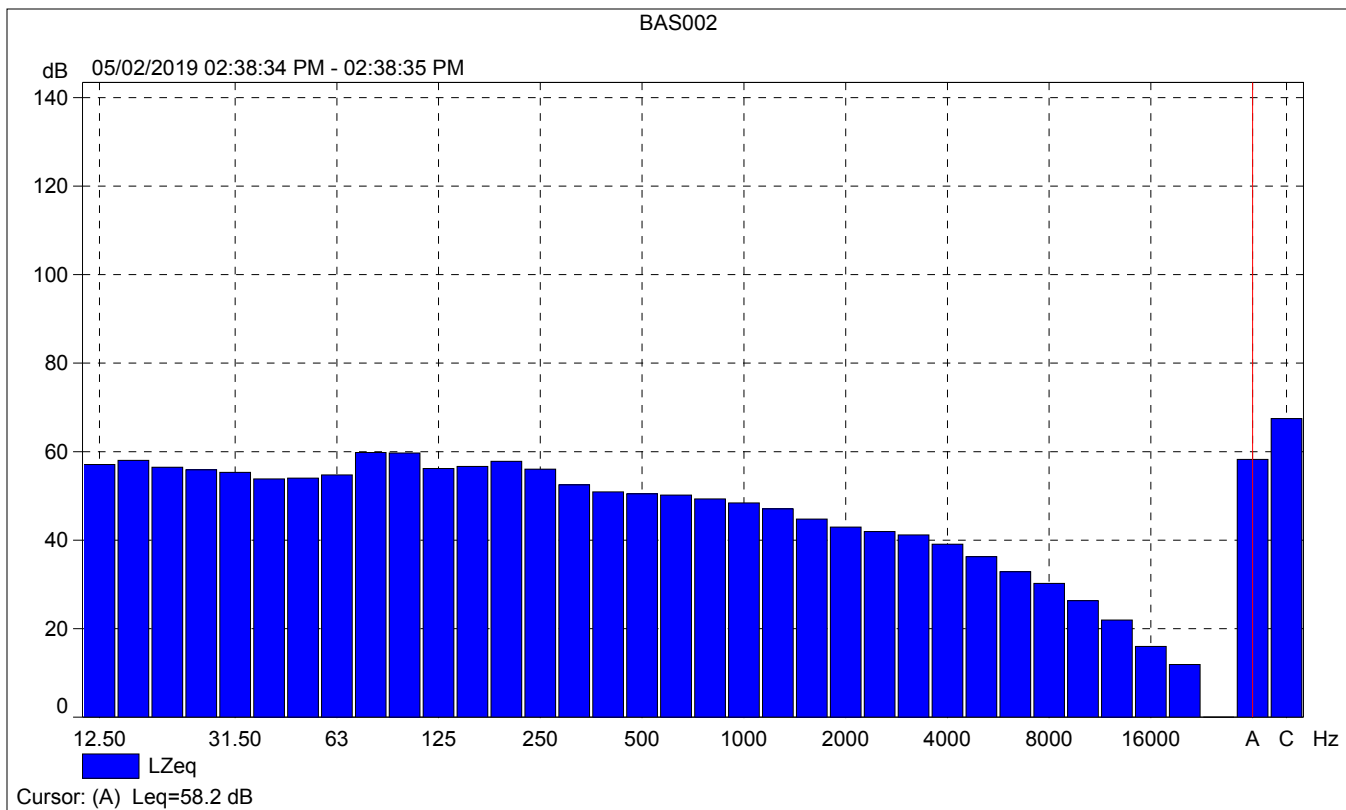
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	71.1	81.6	48.5
Time	02:33:35 PM	02:43:35 PM	0:10:00				
Date	05/02/2019	05/02/2019					





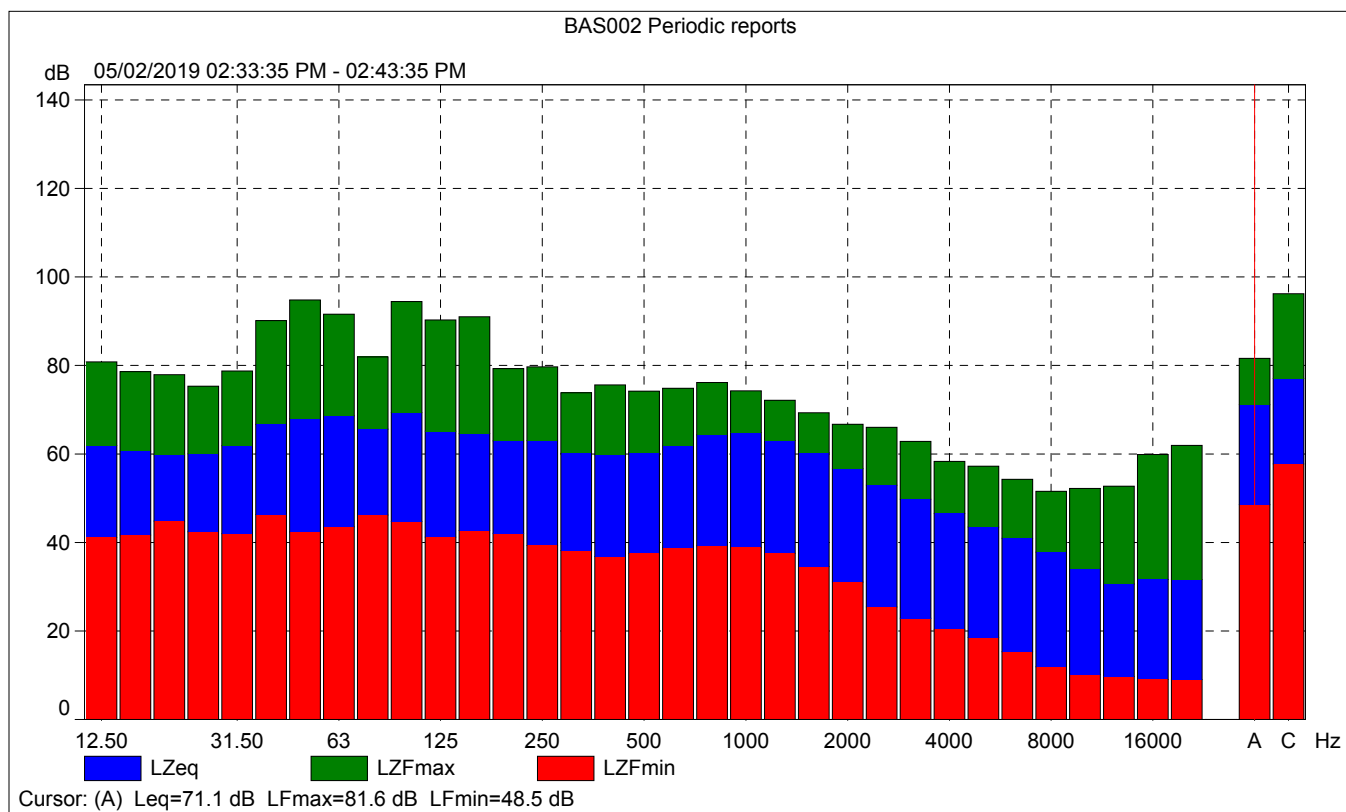
BAS002

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			62.4	59.6	57.7
Time	02:38:34 PM	0:00:01			
Date	05/02/2019				

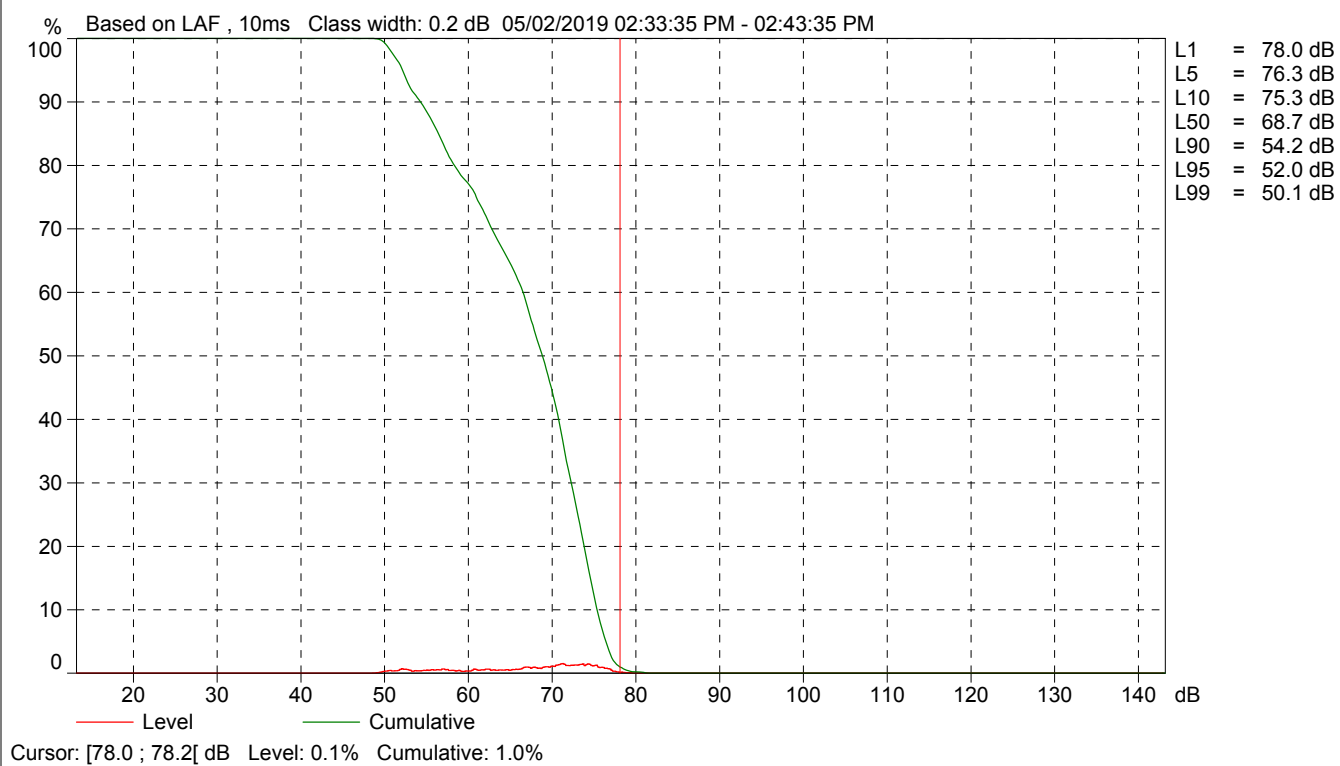


BAS002 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	72.7	81.6	48.5
Time	02:33:35 PM	0:10:00				
Date	05/02/2019					



BAS002 Periodic reports



Site Number: Bastanchury Site #3			
Recorded By: Pierre Glaize			
Job Number: 167987			
Date: 5/2/19			
Time: 2:46 p.m.			
Location: Northern side of Bastanchury; corner of Casa Loma & Bastanchury Road			
Source of Peak Noise: Traffic on Bastanchury & a school bus on Casa Loma.			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
65.8	43.5	77.5	97.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny		
	Note: dBA Offset = 0.00			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	10 mph		74°		29.95	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		05/02/2019 14:46:25
End Time:		05/02/2019 14:56:25
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.10

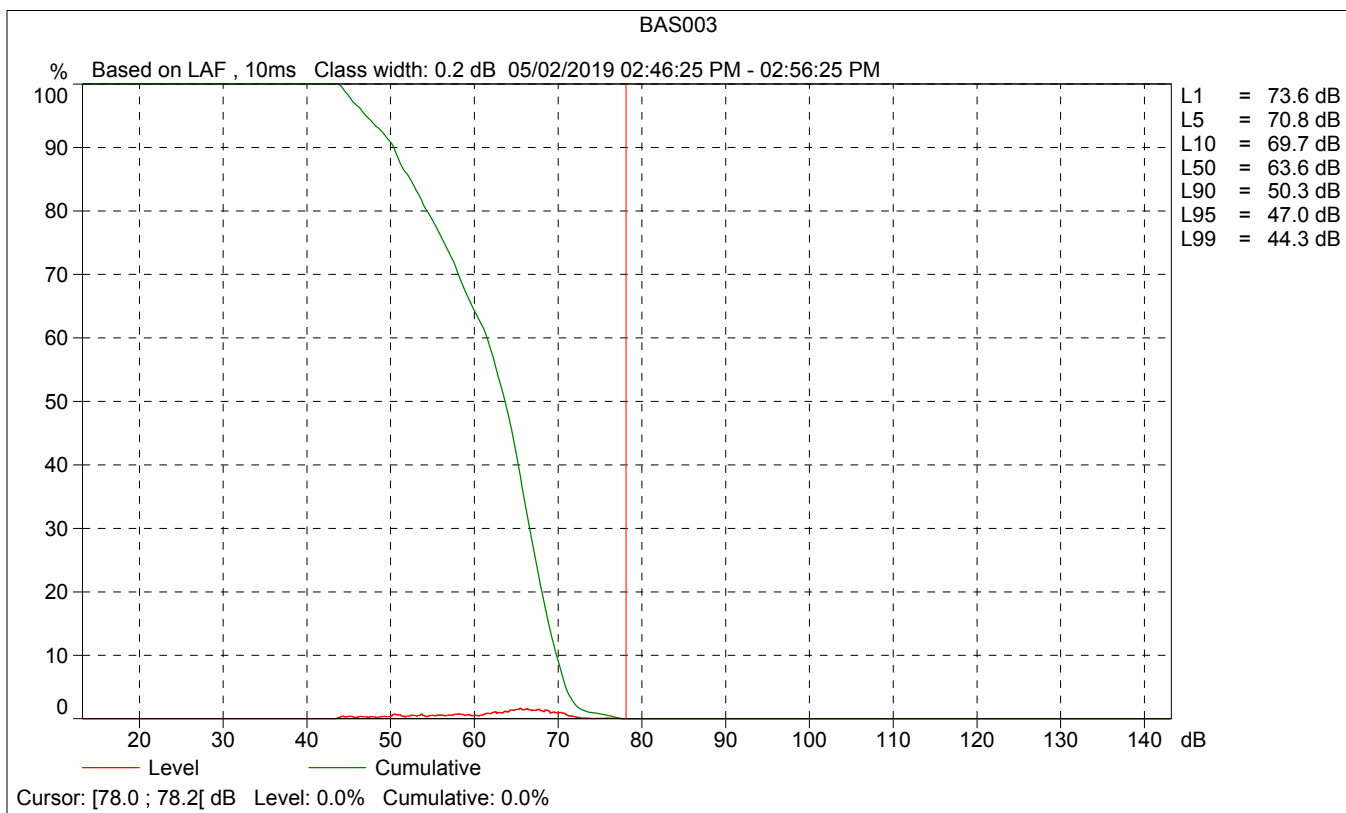
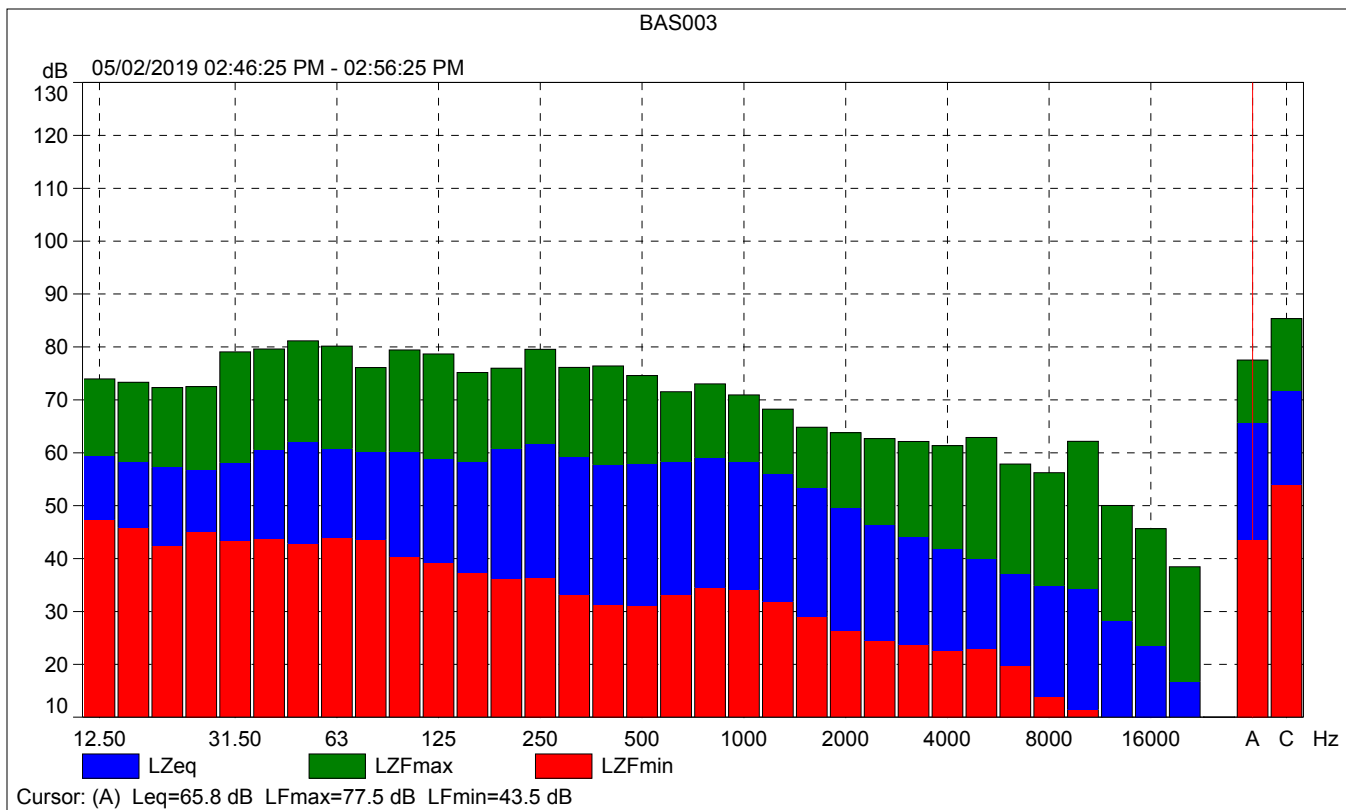
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		A
Spectrum:	FS	Z

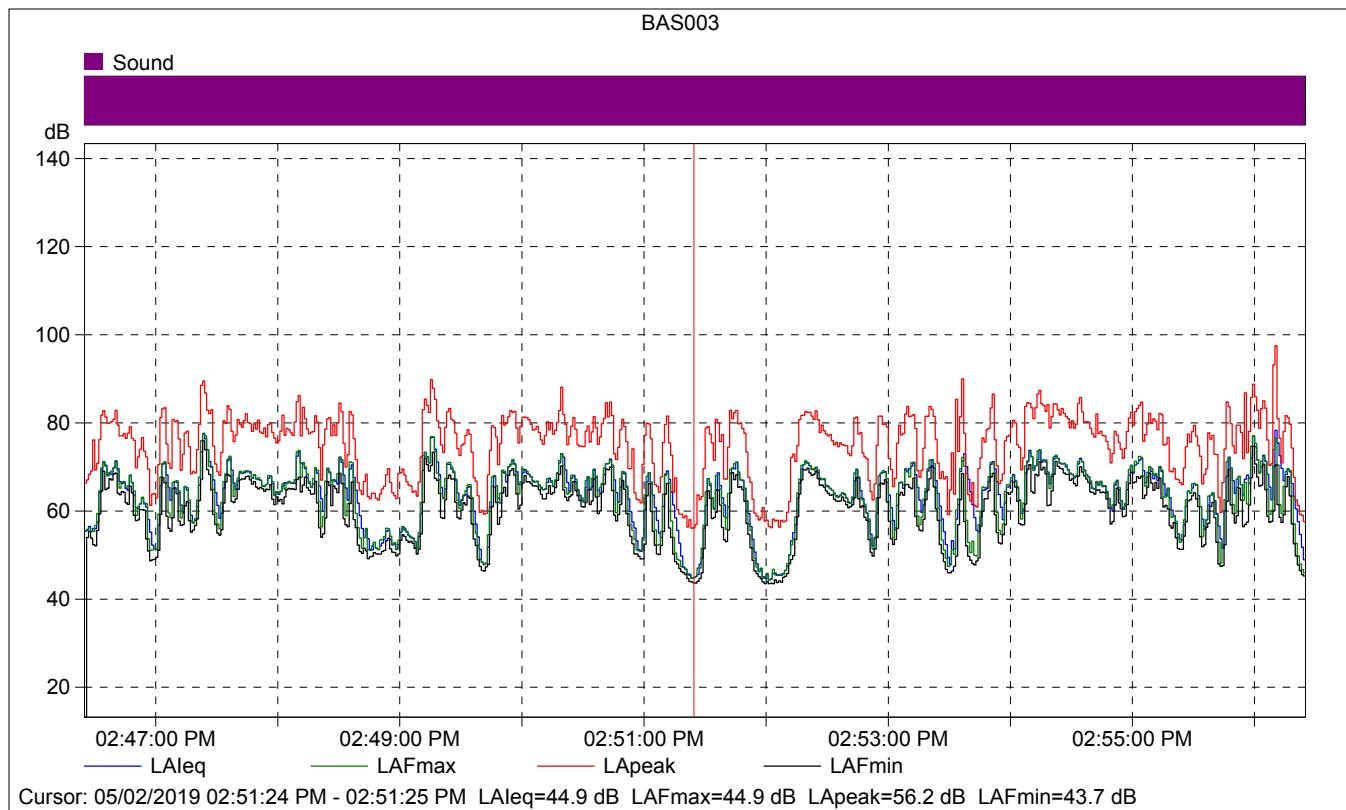
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		05/02/2019 11:05:28
Calibration Type:		External reference
Sensitivity:		43.7461659312248 mV/Pa

BAS003

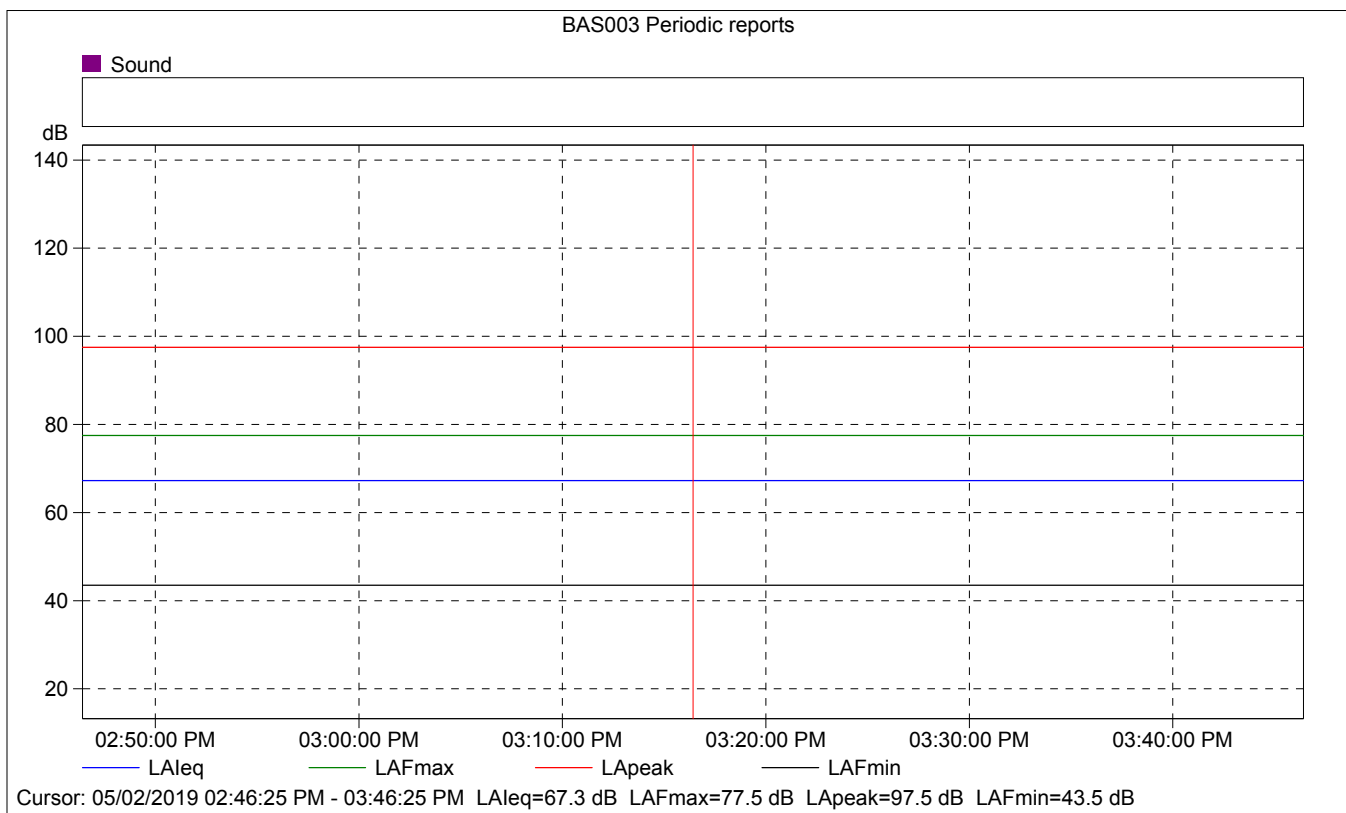
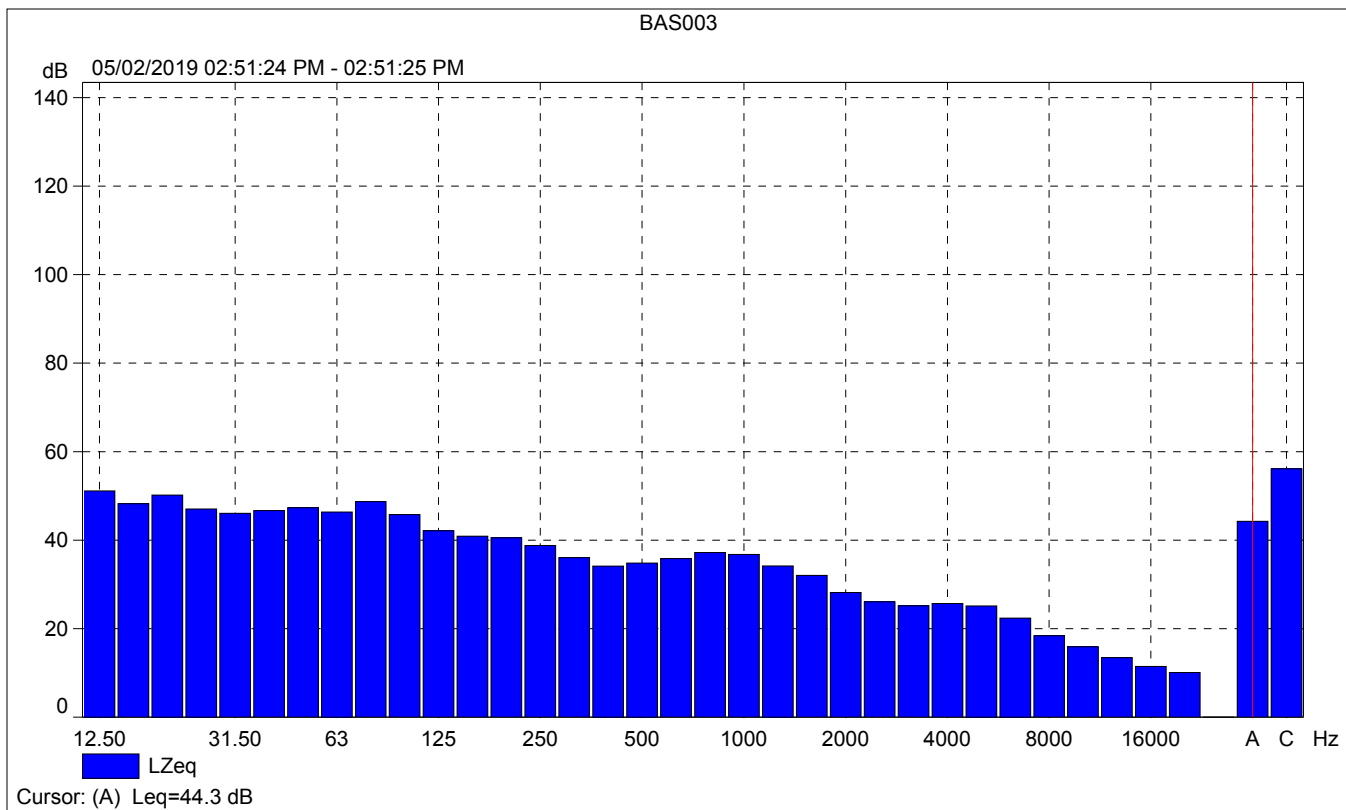
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	65.8	77.5	43.5
Time	02:46:25 PM	02:56:25 PM	0:10:00				
Date	05/02/2019	05/02/2019					





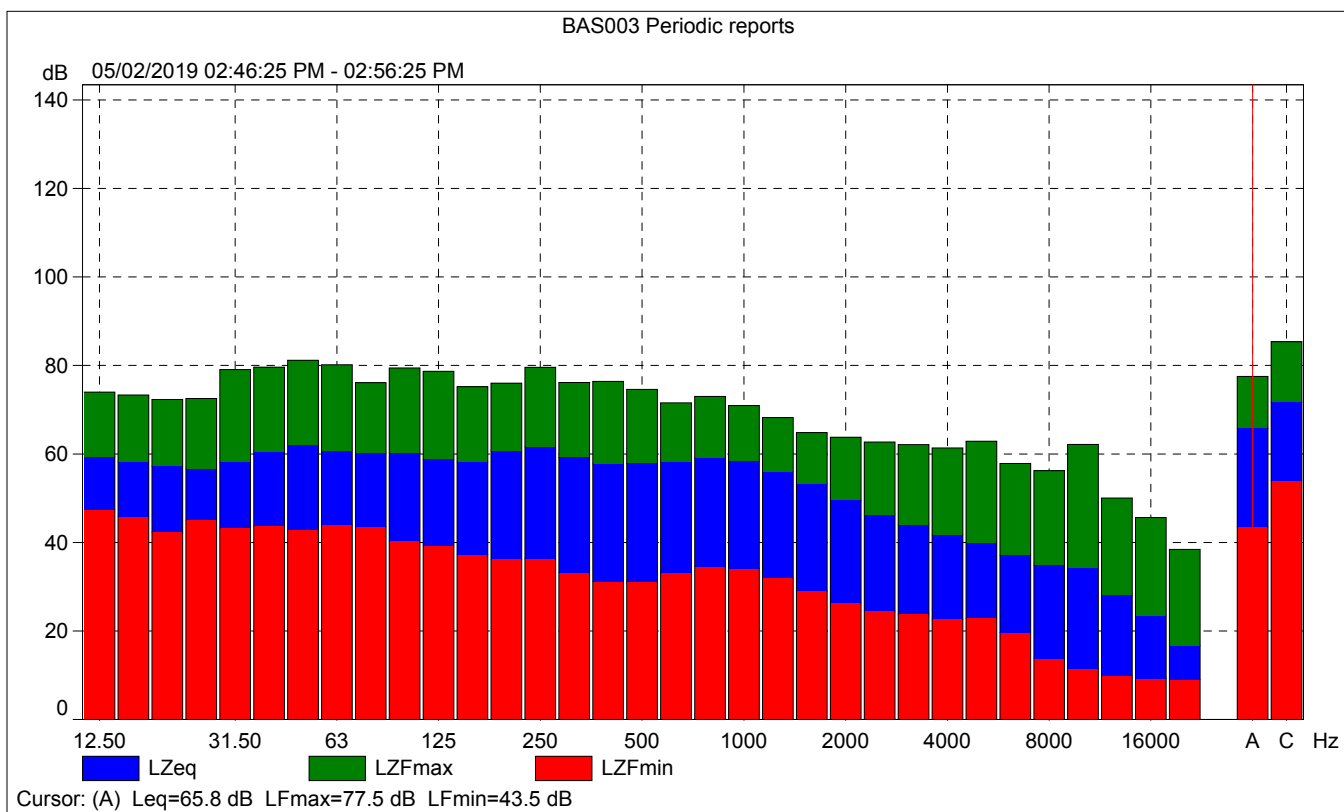
BAS003

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			44.9	44.9	43.7
Time	02:51:24 PM	0:00:01			
Date	05/02/2019				

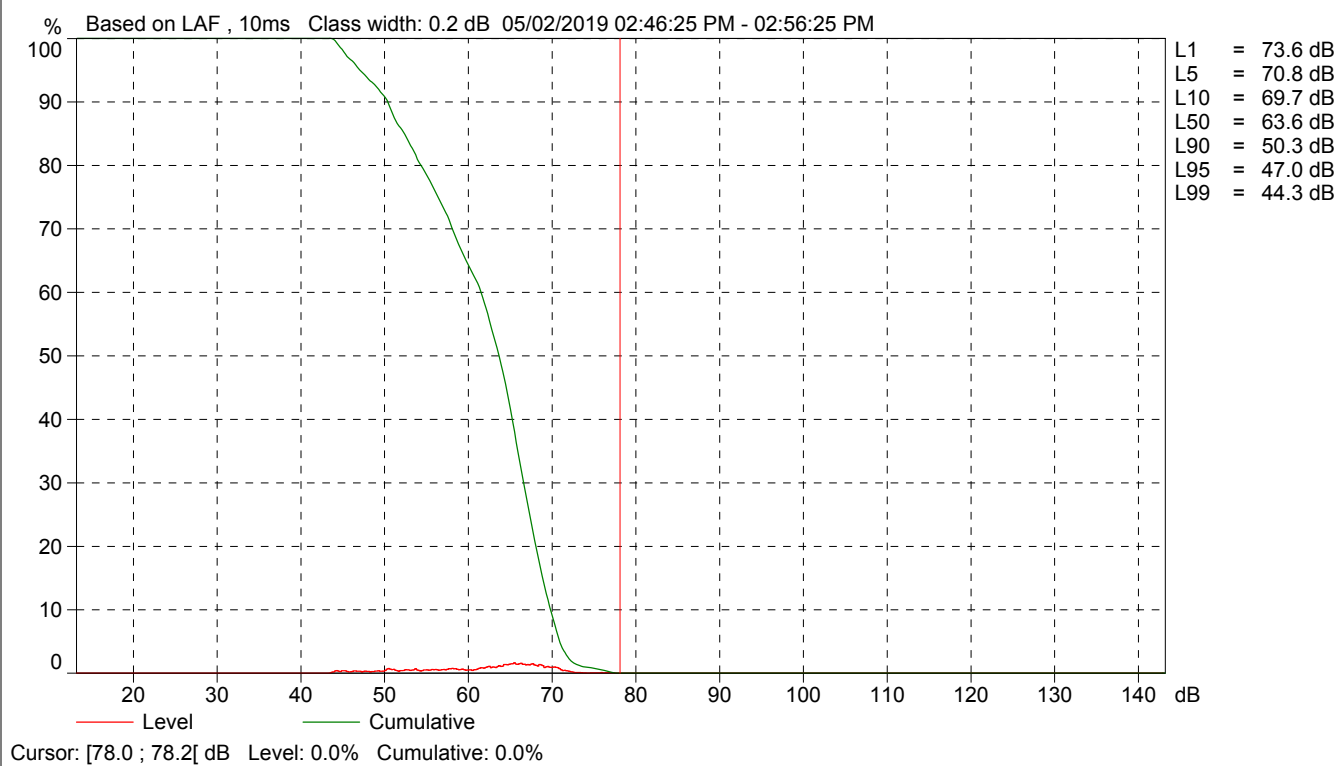


BAS003 Periodic reports

	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	67.3	77.5	43.5
Time	02:46:25 PM	0:10:00				
Date	05/02/2019					



BAS003 Periodic reports



Site Number: Bastanchury Site #4			
Recorded By: Pierre Glaize			
Job Number: 167987			
Date: 5/2/19			
Time: 3:02			
Location: Corner of Bastanchury Road and Eureka Avenue			
Source of Peak Noise: Traffic on Bastanchury			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
69.2	46.4	78.9	94.2

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny		
	Note: dBA Offset = 0.00			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	10 mph		74°		29.95	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		05/02/2019 15:02:34
End Time:		05/02/2019 15:12:34
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.10

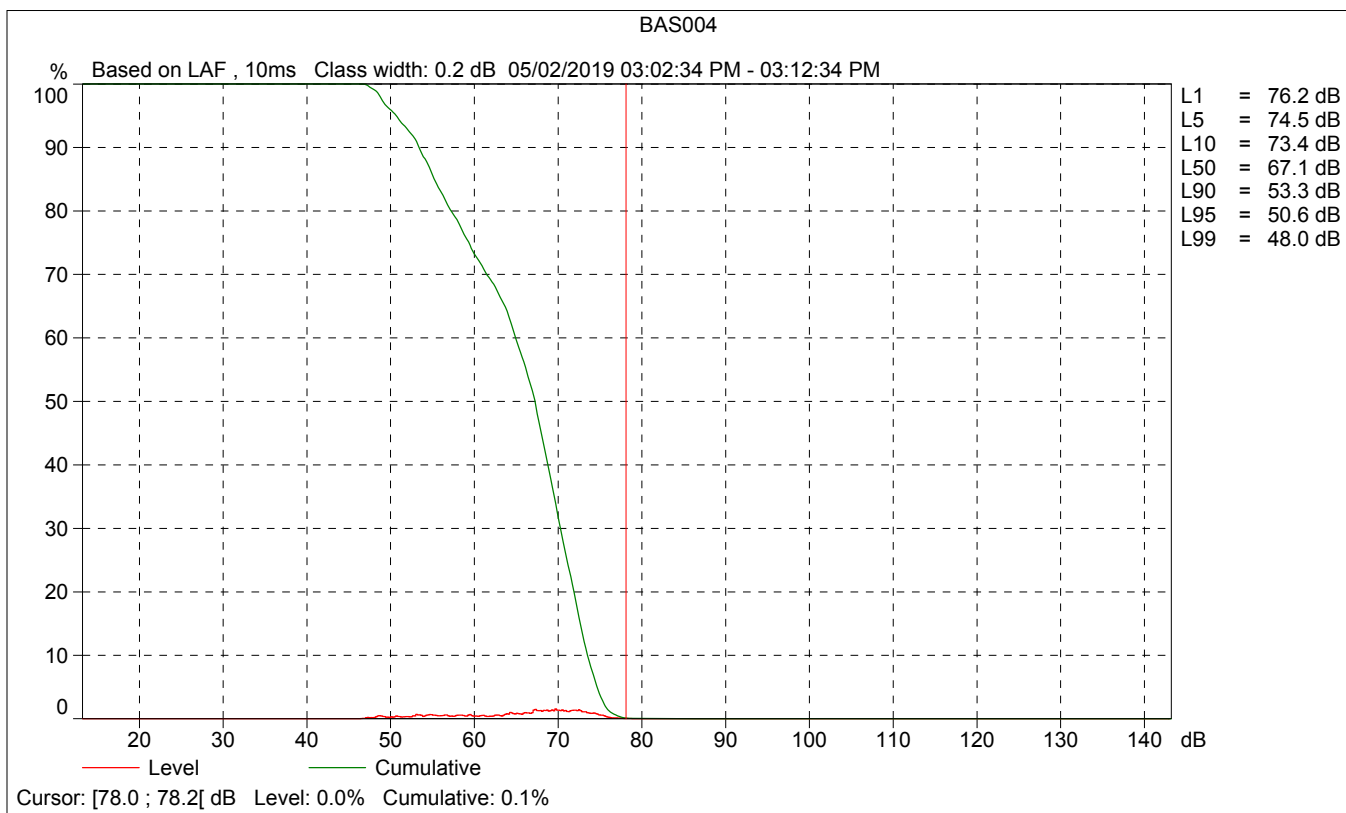
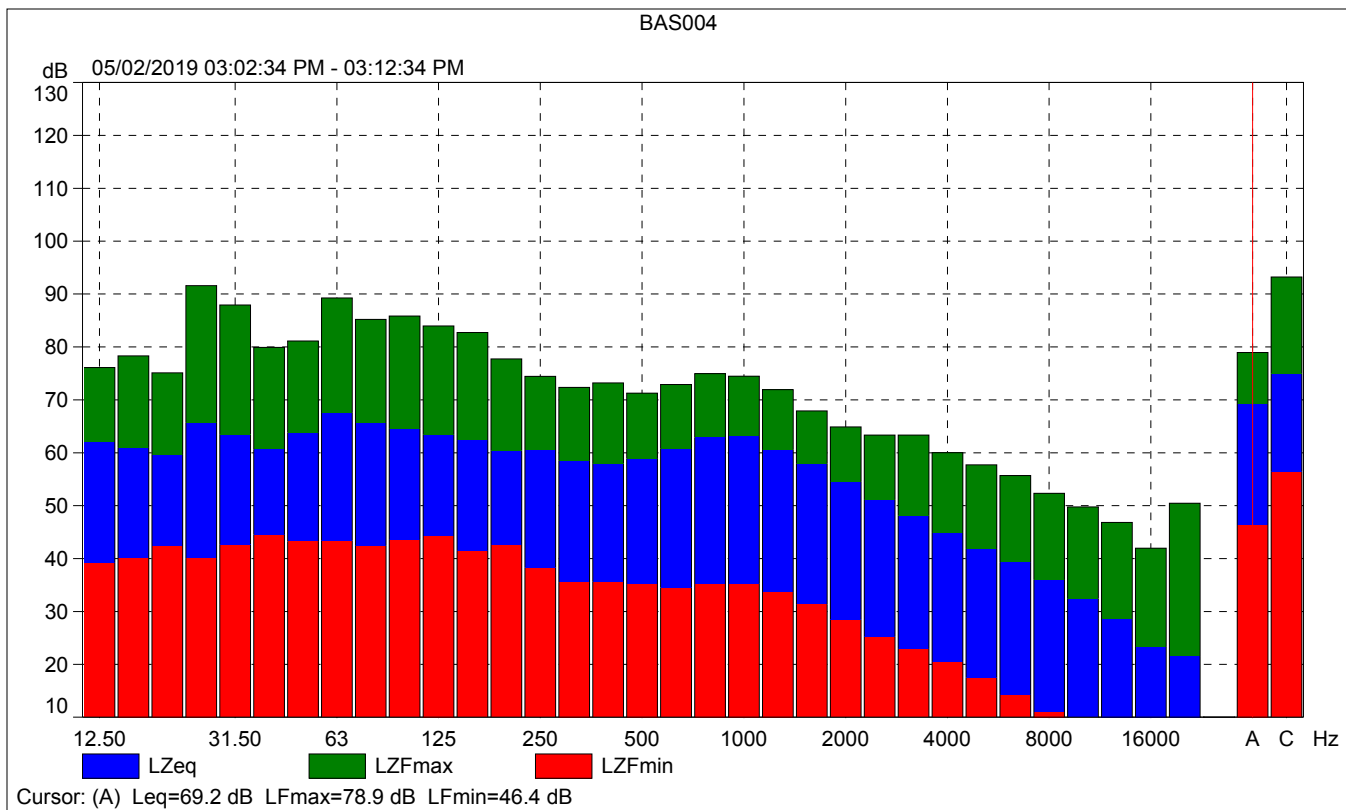
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		A
Spectrum:	FS	Z

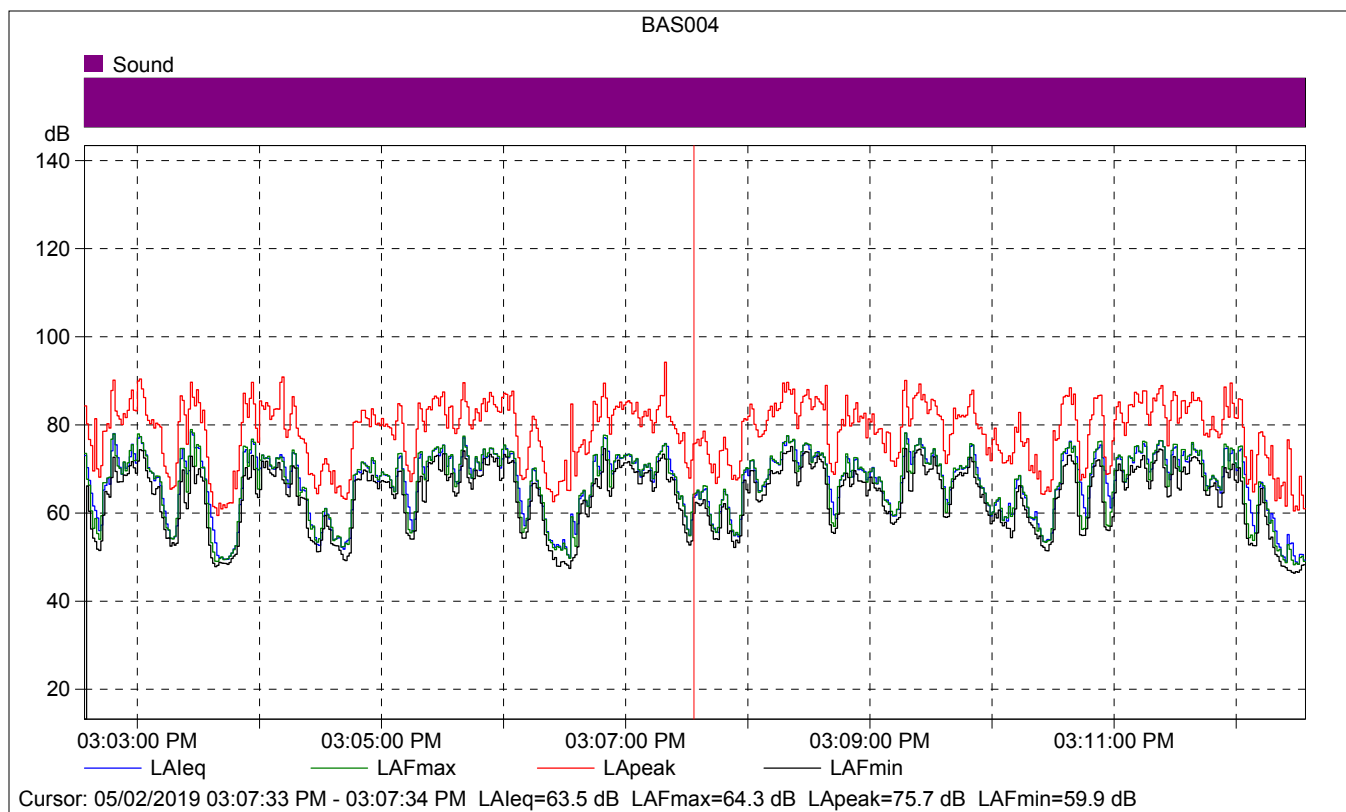
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		05/02/2019 11:05:28
Calibration Type:		External reference
Sensitivity:		43.7461659312248 mV/Pa

BAS004

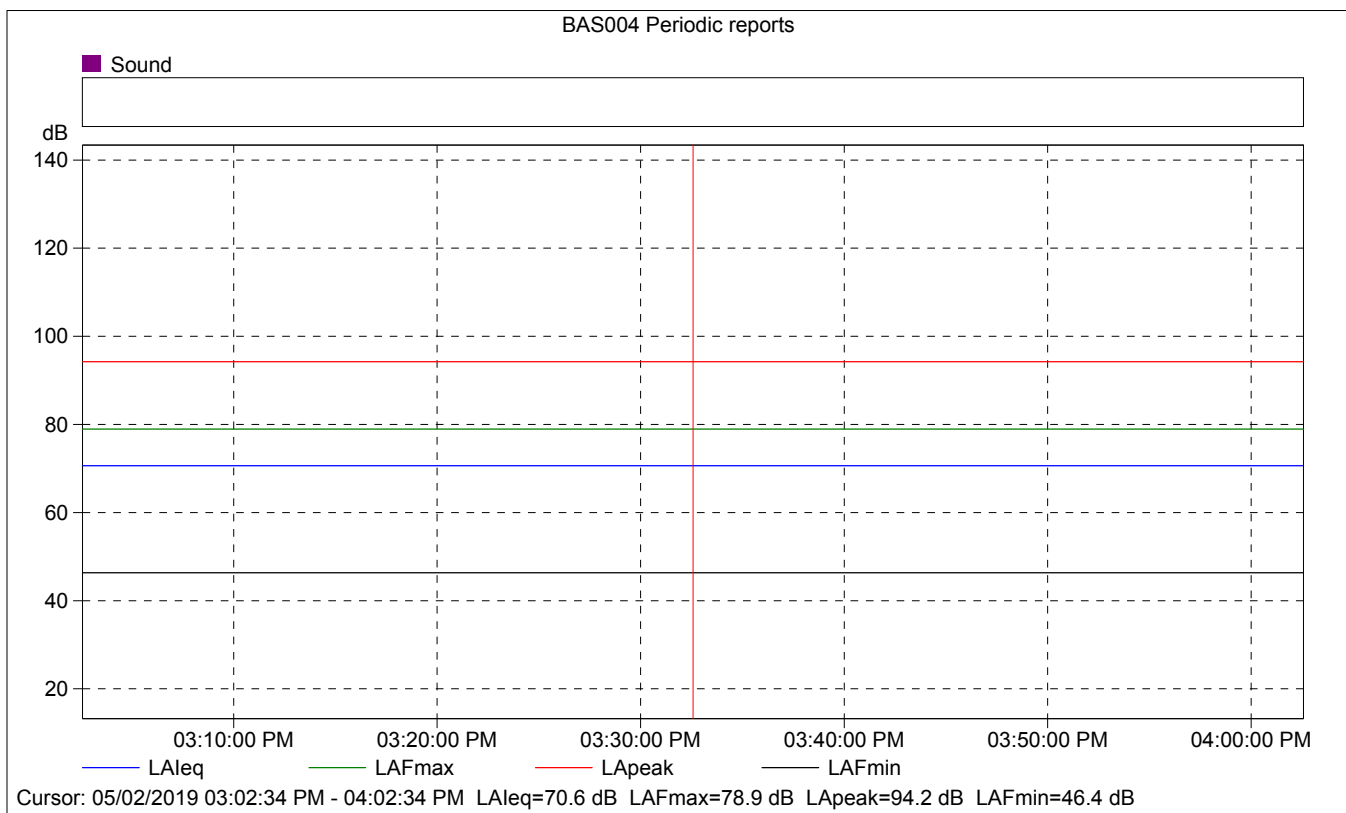
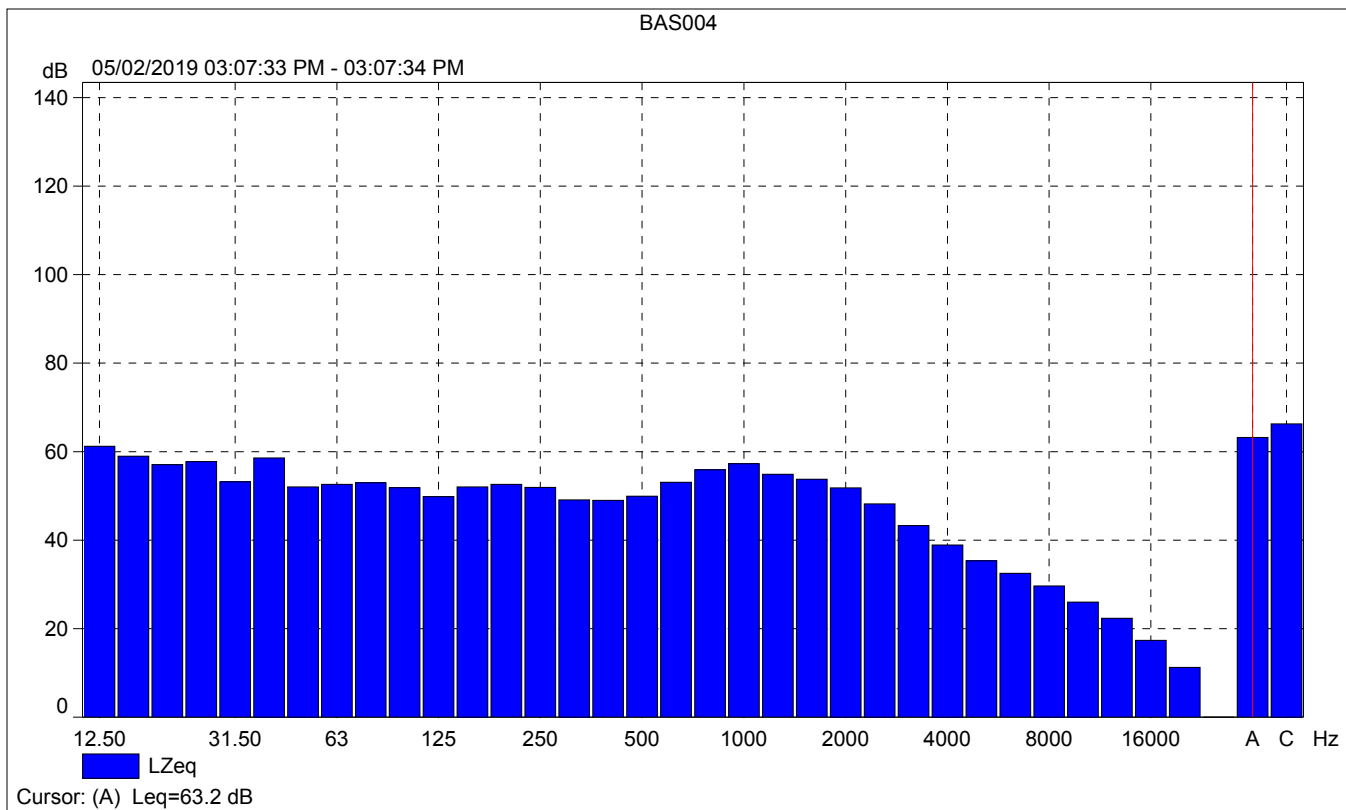
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	69.2	78.9	46.4
Time	03:02:34 PM	03:12:34 PM	0:10:00				
Date	05/02/2019	05/02/2019					





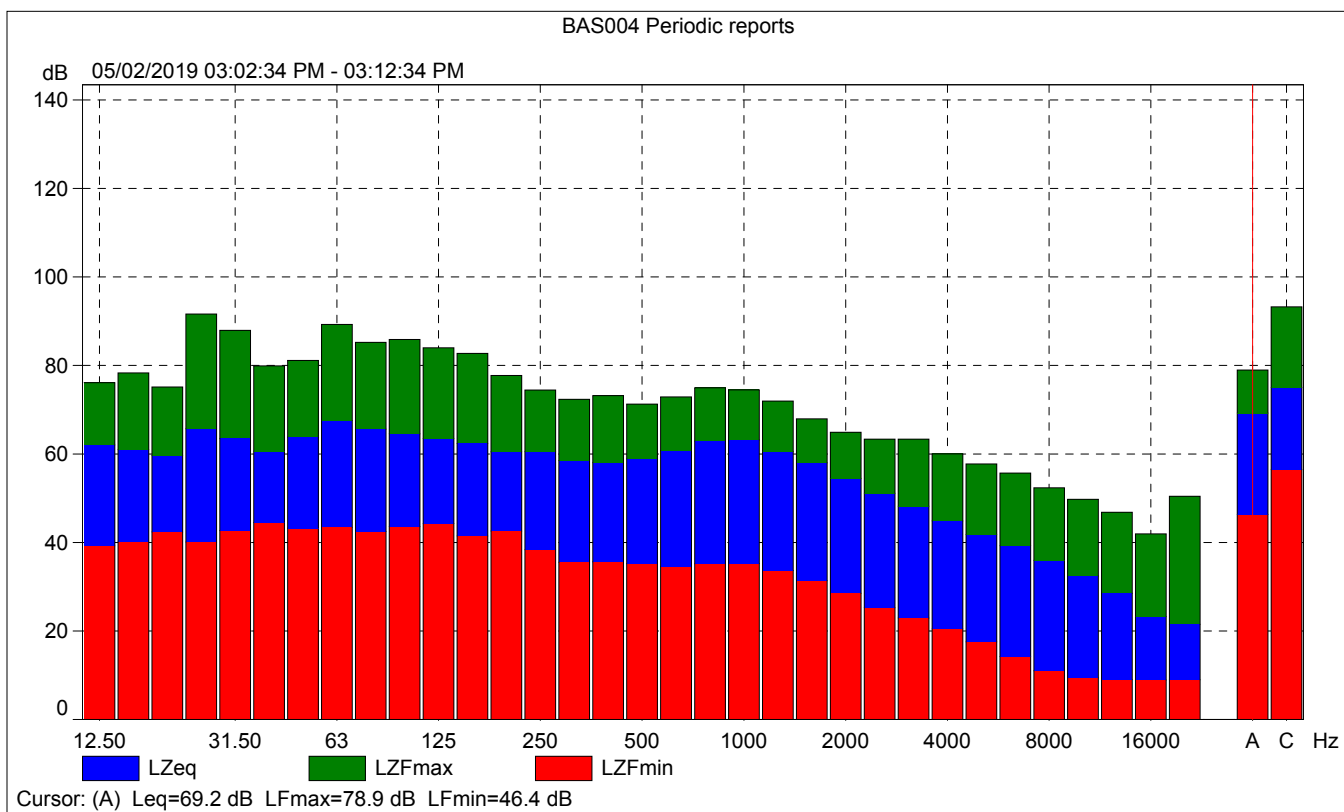
BAS004

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			63.5	64.3	59.9
Time	03:07:33 PM	0:00:01			
Date	05/02/2019				



BAS004 Periodic reports

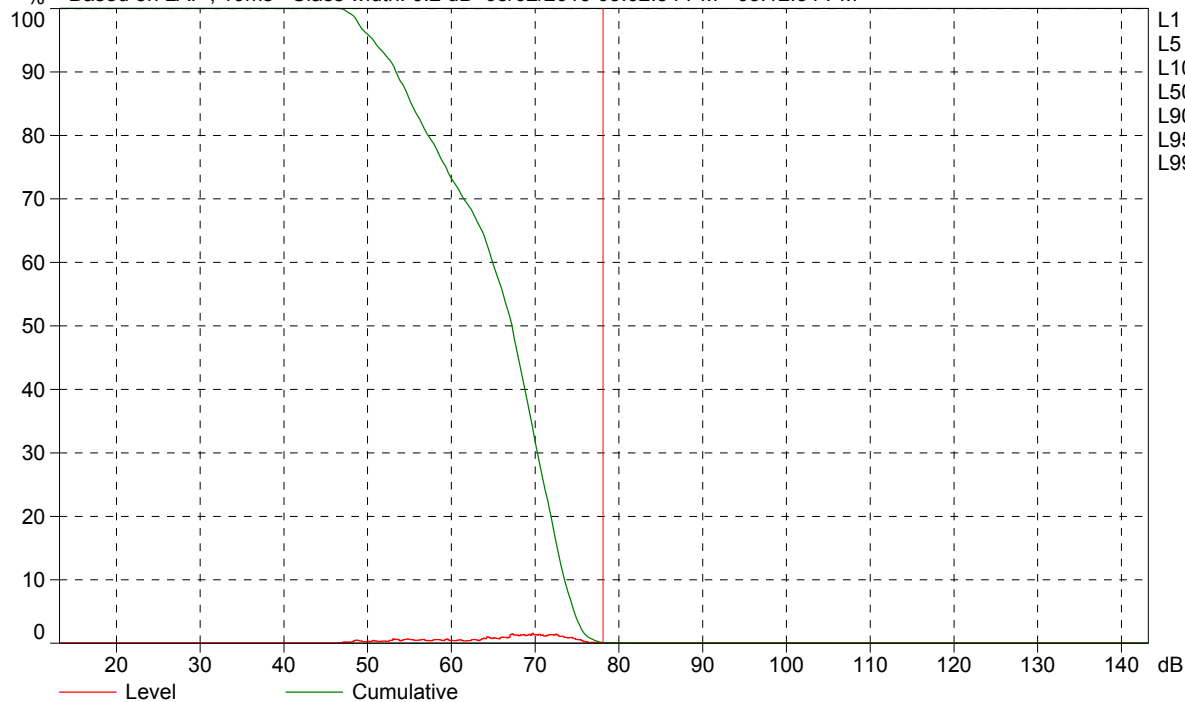
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	70.6	78.9	46.4
Time	03:02:34 PM	0:10:00				
Date	05/02/2019					





BAS004 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 05/02/2019 03:02:34 PM - 03:12:34 PM



Cursor: [78.0 ; 78.2] dB Level: 0.0% Cumulative: 0.1%

Site Number: Bastanchury Site #5			
Recorded By: Pierre Glaize			
Job Number: 167987			
Date: 5/2/19			
Time: 3:17 p.m.			
Location: On the northern side of Bastanchury road, adjacent to Eureka Avenue.			
Source of Peak Noise: Traffic on Bastanchury Road.			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
72.6	52.0	82.0	96.8

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny		
	Note: dBA Offset = 0.00			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	10 mph		74°		29.95	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		05/02/2019 15:17:54
End Time:		05/02/2019 15:27:54
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.10

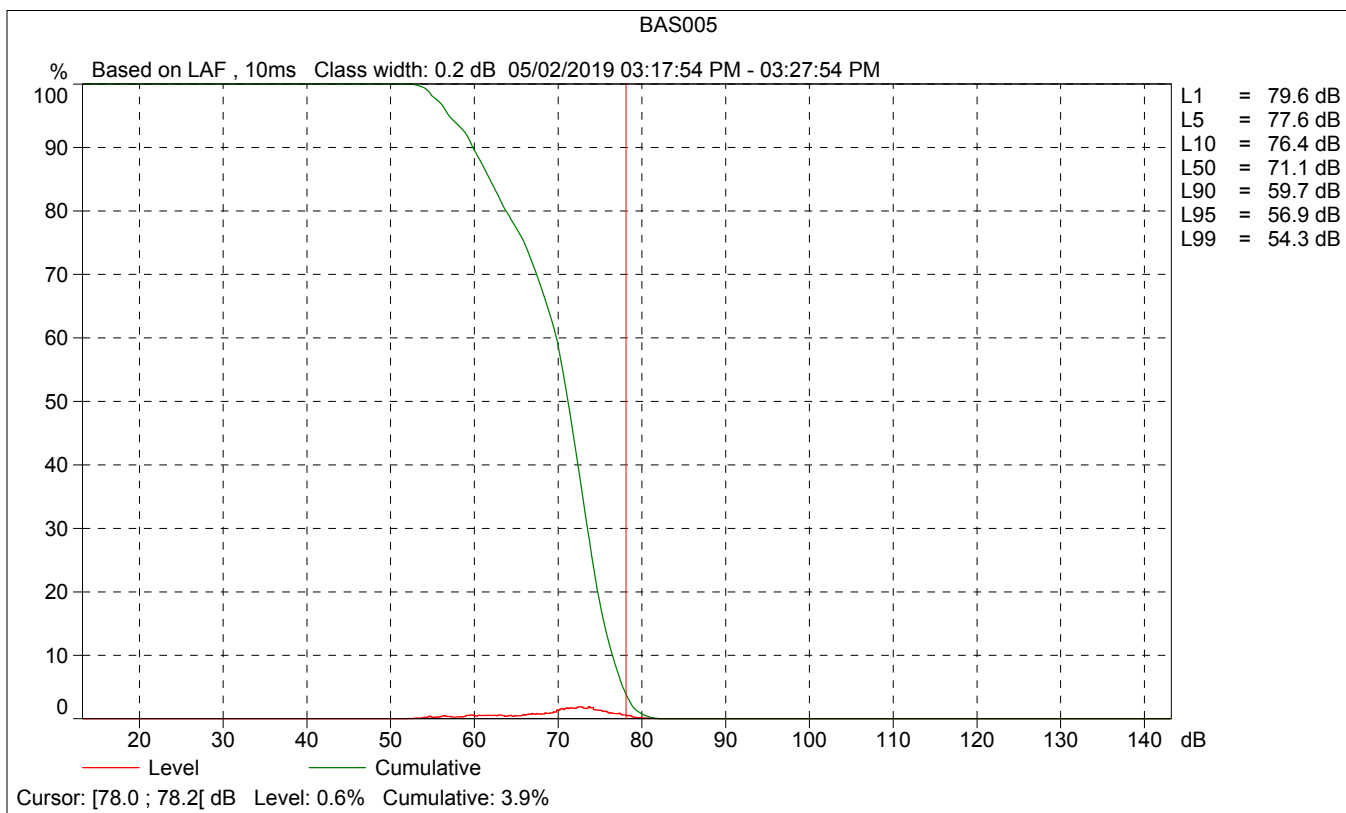
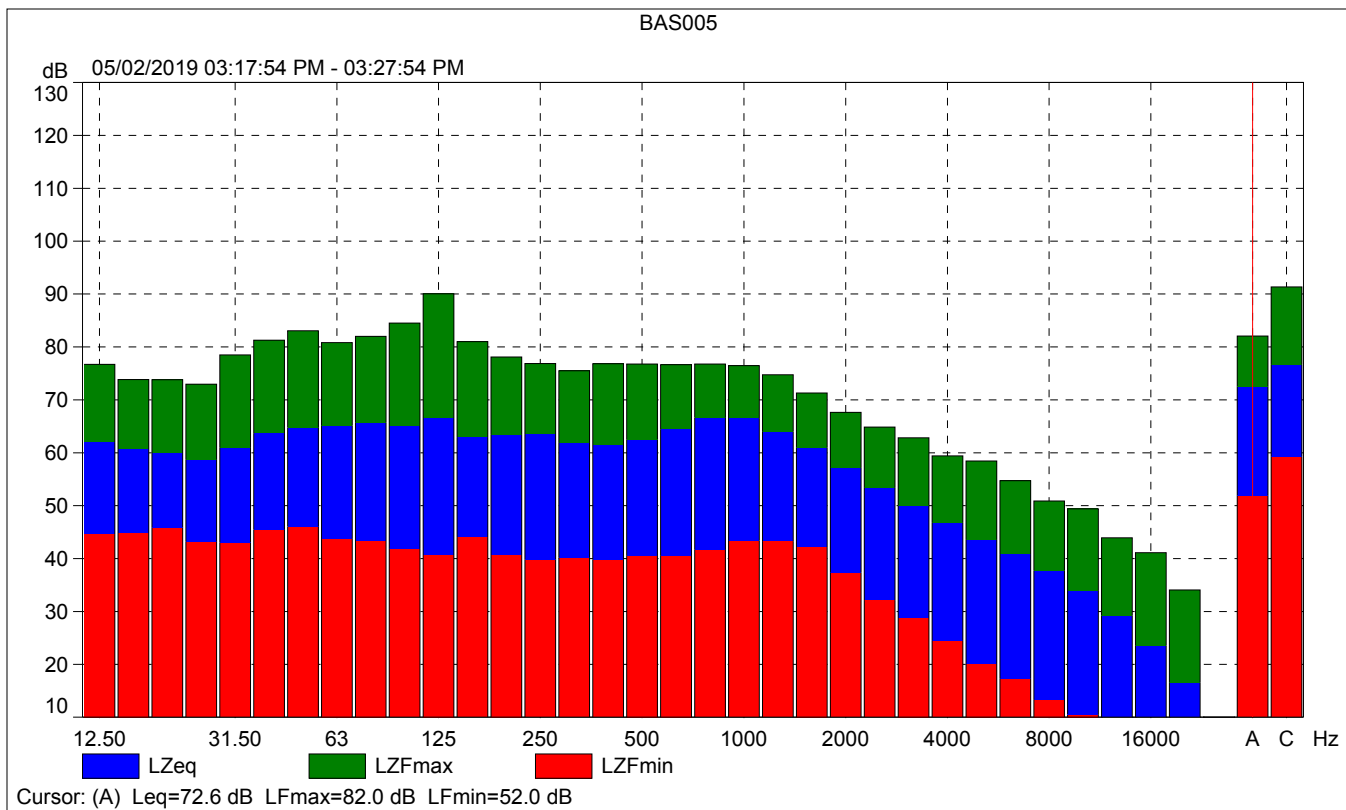
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		A
Spectrum:	FS	Z

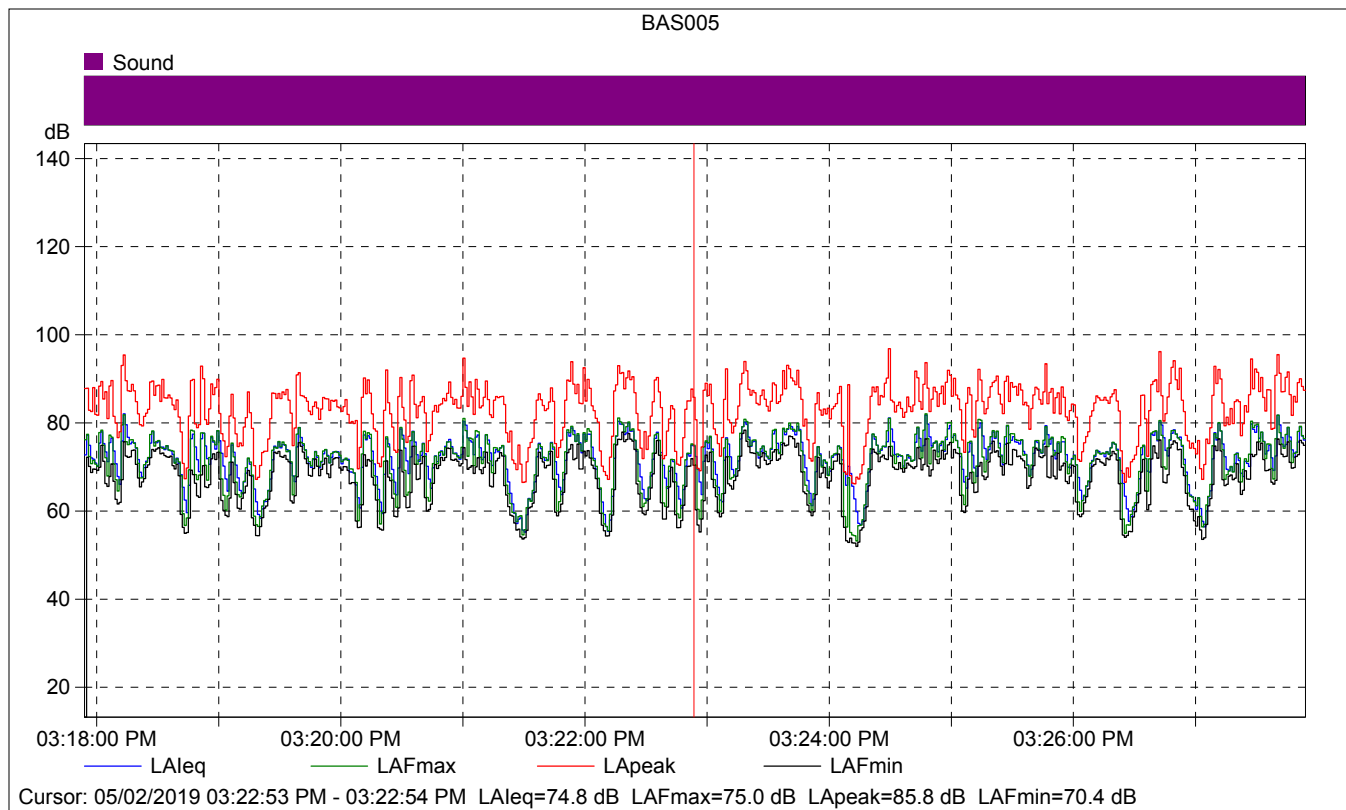
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		05/02/2019 11:05:28
Calibration Type:		External reference
Sensitivity:		43.7461659312248 mV/Pa

BAS005

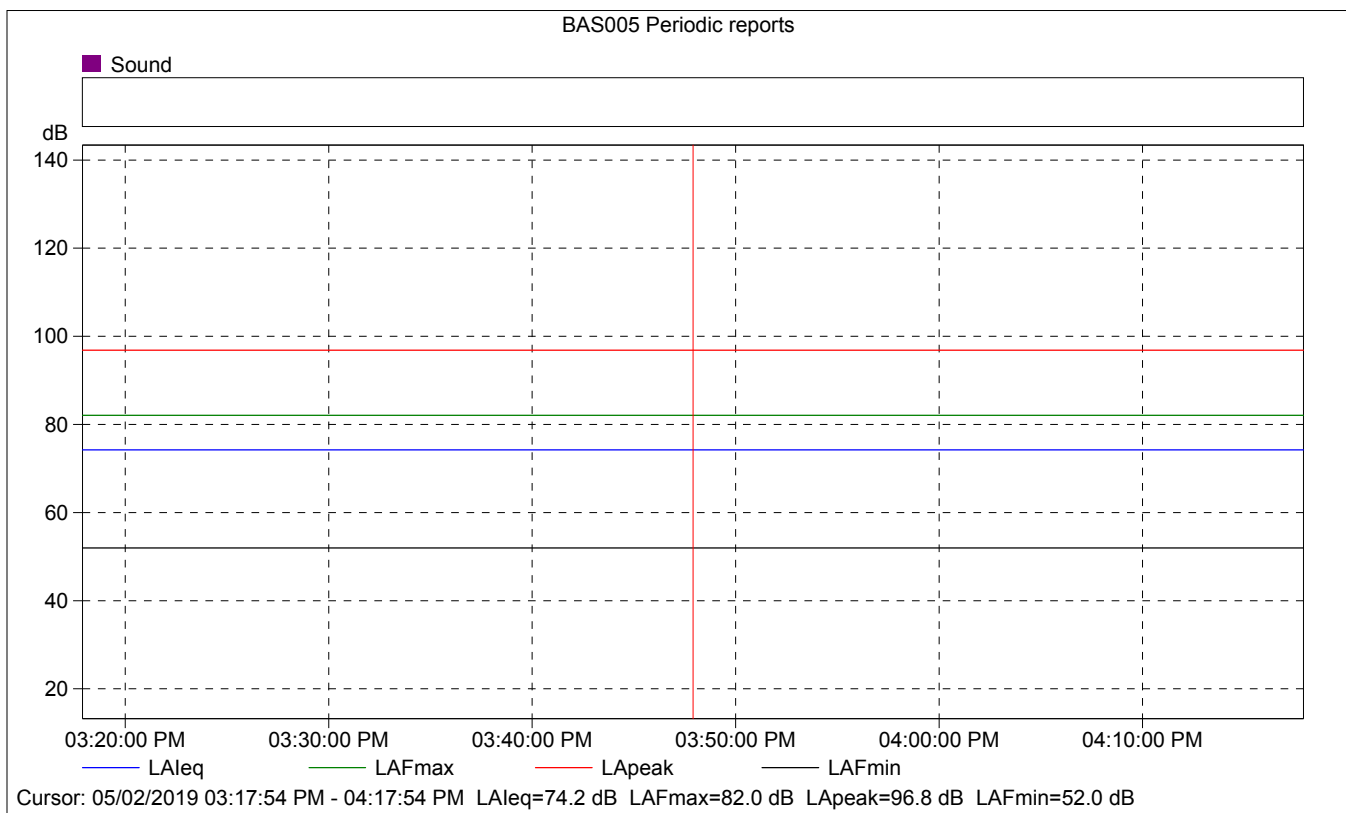
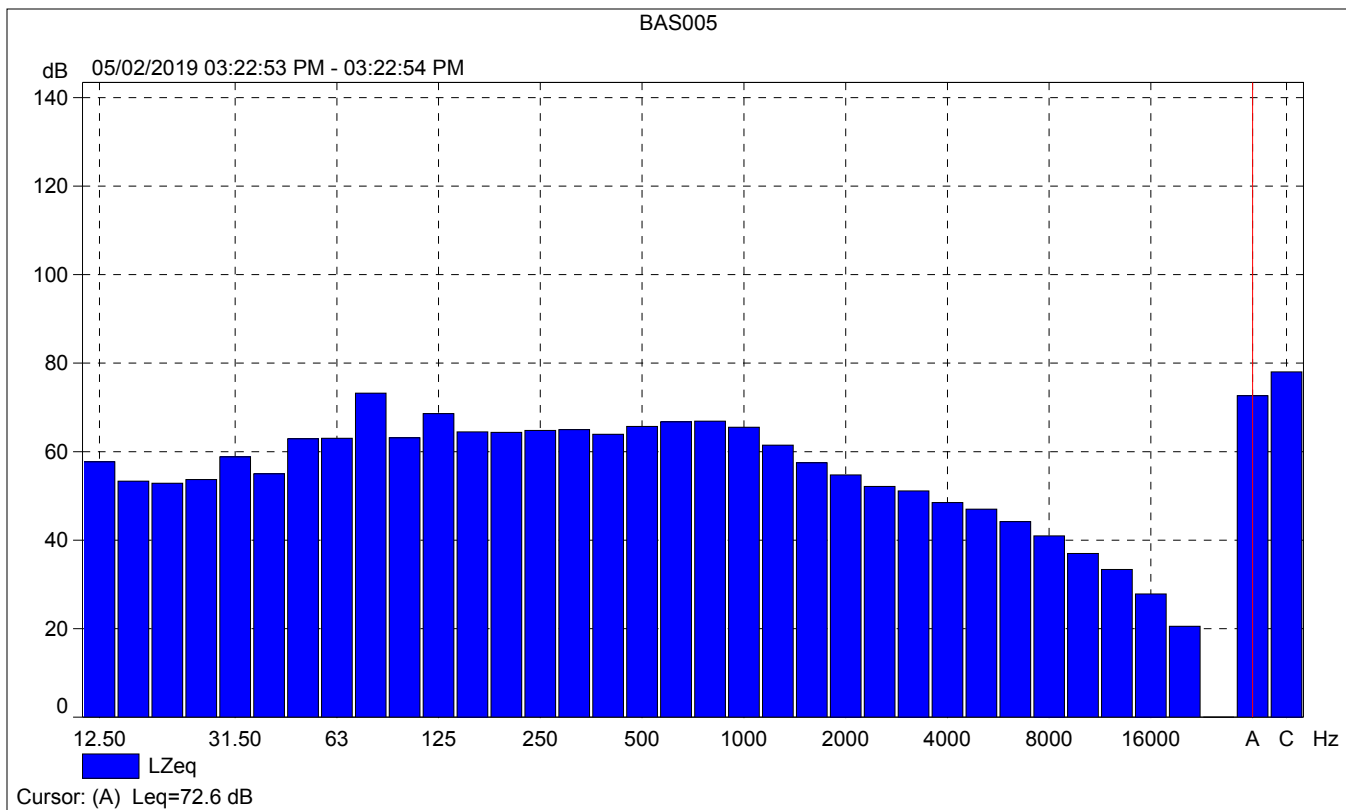
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	72.6	82.0	52.0
Time	03:17:54 PM	03:27:54 PM	0:10:00				
Date	05/02/2019	05/02/2019					





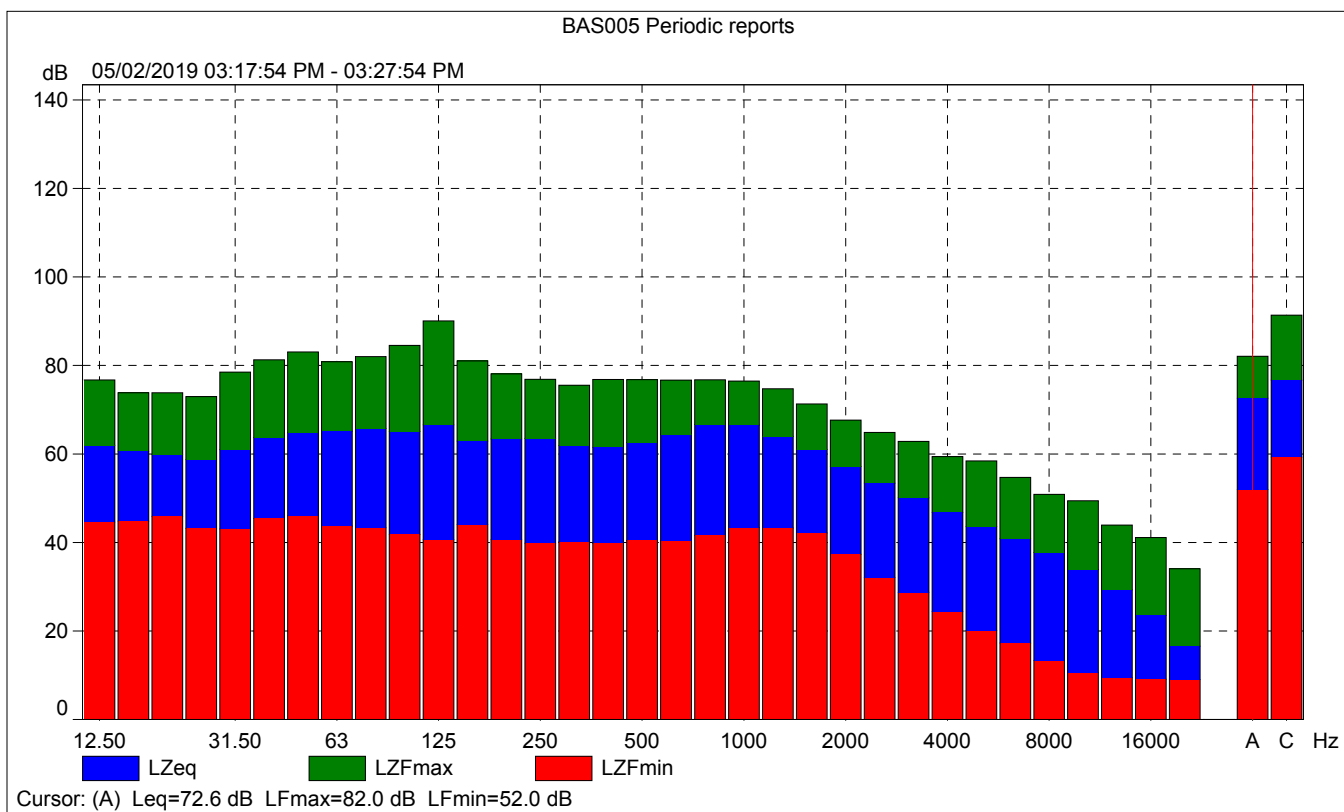
BAS005

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			74.8	75.0	70.4
Time	03:22:53 PM	0:00:01			
Date	05/02/2019				



BAS005 Periodic reports

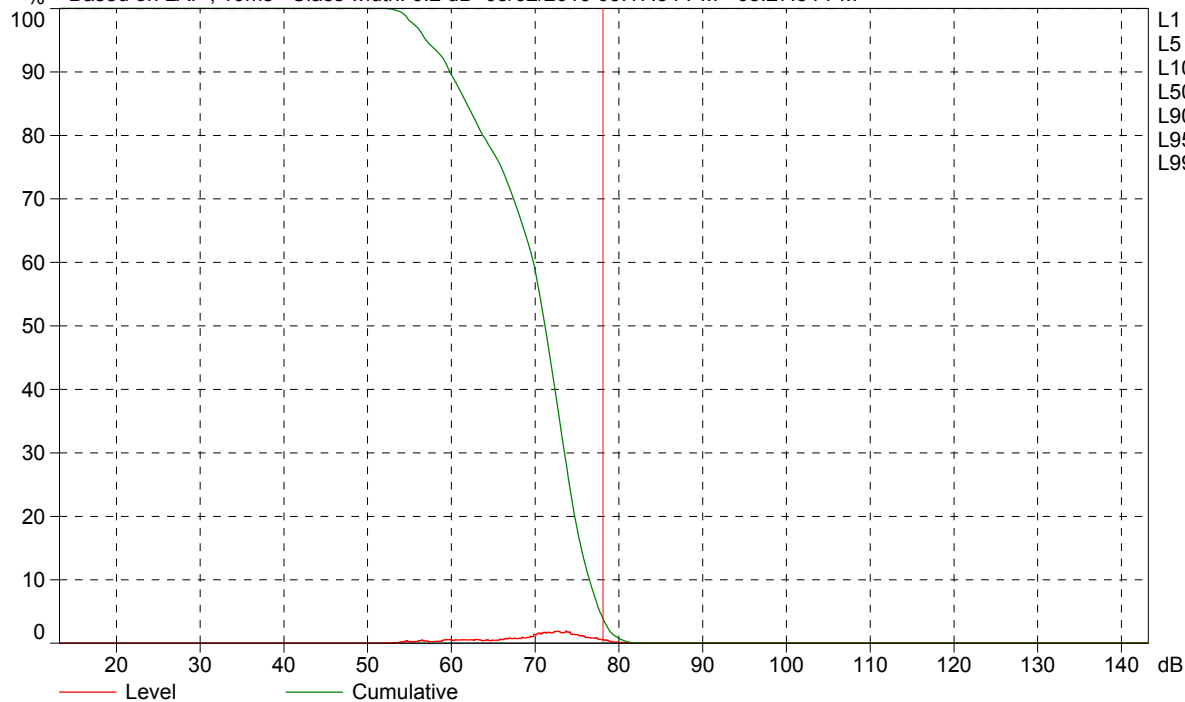
	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	74.2	82.0	52.0
Time	03:17:54 PM	0:10:00				
Date	05/02/2019					





BAS005 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 05/02/2019 03:17:54 PM - 03:27:54 PM



- L1 = 79.6 dB
- L5 = 77.6 dB
- L10 = 76.4 dB
- L50 = 71.1 dB
- L90 = 59.7 dB
- L95 = 56.9 dB
- L99 = 54.3 dB

Cursor: [78.0 ; 78.2] dB Level: 0.6% Cumulative: 3.9%

Peak Hourly Volumes								
Roadway Segment	Existing				Future			
	Total ¹	Autos	MT	HT	Total	Autos	MT	HT
Bastanchury Road								
Eastbound: Imperial highway to Eureka Avenue ²	805	781	16	8	403	390	8	4
Westbound: Eureka Avenue to Imperial highway ²	805	781	16	8	403	390	8	4

The fleet mix for Bastanchury:*

Passenger vehicles:	97.0%
2-Axle trucks:	2.0%
5+ Axle Trucks	1.00%
Total	100.00%
Average Daily Traffic	16100.00
Peak Hourly traffic volume	1610

Notes

1. Total daily traffic on the segment of Bastanchury from Imperial Highway to Eureka Avenue is 15,900 vehicles per day.
2. Bastanchury currently has one lane in the EB/WB direction. Future build would include an additional lane for the EB and WB direction

Source: City of Yorba Linda, 2018 Average Daily Traffic Volumes , <https://www.yorbalindaca.gov/DocumentCenter/View/439/Traffic-Flow-Map-PDF?bidid=>, accessed May 9th, 2019.

INPUT: ROADWAYS

PN:167987

Roadway48	12.0	point95	95	6,085,238.5	2,274,306.8	435.00				Average
		point96	96	6,085,237.5	2,274,283.2	434.00				
Roadway49	12.0	point97	97	6,085,256.0	2,274,461.0	437.00				Average
		point98	98	6,085,255.0	2,274,410.2	436.00				
Roadway50	12.0	point99	99	6,085,255.0	2,274,410.2	436.00				Average
		point100	100	6,085,254.0	2,274,364.0	436.00				
Roadway53	12.0	point105	105	6,085,241.0	2,274,533.2	437.00				Average
		point106	106	6,085,245.0	2,274,595.2	439.00				
Roadway54	12.0	point107	107	6,085,245.0	2,274,595.2	439.00				Average
		point108	108	6,085,243.5	2,274,677.5	440.00				
Roadway55	12.0	point109	109	6,085,243.5	2,274,677.5	440.00				Average
		point110	110	6,085,241.0	2,274,706.0	441.00				
Roadway56	12.0	point111	111	6,085,263.0	2,274,534.8	437.00				Average
		point112	112	6,085,262.5	2,274,589.5	439.00				
Roadway57	12.0	point113	113	6,085,262.5	2,274,589.5	439.00				Average
		point114	114	6,085,261.0	2,274,678.8	440.00				
Roadway58	12.0	point115	115	6,085,261.0	2,274,678.8	440.00				Average
		point116	116	6,085,259.0	2,274,708.2	441.00				
Roadway51	12.0	point101	101	6,085,254.0	2,274,364.0	436.00				Average
		point103	103	6,085,253.5	2,274,302.8	435.00				Average
		point104	104	6,085,252.5	2,274,282.5	434.00				
Eastbound	25.0	point221	221	6,083,187.5	2,274,491.8	404.00				Average
		point217	217	6,083,475.0	2,274,486.8	408.00				Average
		point121	121	6,083,674.5	2,274,485.8	408.00				Average
		point122	122	6,083,881.0	2,274,483.0	413.00				Average
		point123	123	6,084,044.0	2,274,482.2	417.00				Average
		point124	124	6,084,182.5	2,274,477.5	415.00				Average
		point125	125	6,084,245.0	2,274,476.8	414.00				Average
		point126	126	6,084,272.5	2,274,476.2	413.00				Average
		point127	127	6,084,298.0	2,274,476.2	412.00				Average
		point128	128	6,084,322.0	2,274,475.5	410.00				Average
		point129	129	6,084,376.0	2,274,475.2	409.00				Average
		point130	130	6,084,409.0	2,274,474.5	408.00				Average
		point131	131	6,084,475.0	2,274,474.0	408.00				Average
		point132	132	6,084,581.5	2,274,472.2	408.00				Average
		point133	133	6,084,662.5	2,274,470.8	408.00				Average
		point134	134	6,084,757.5	2,274,470.0	409.00				Average
		point135	135	6,084,823.5	2,274,470.5	412.00				Average
		point136	136	6,084,845.0	2,274,471.0	413.00				Average

INPUT: ROADWAYS

PN:167987

		point137	137	6,084,863.0	2,274,471.8	414.00				Average	
		point138	138	6,084,880.0	2,274,472.5	415.00				Average	
		point139	139	6,084,912.5	2,274,473.2	417.00				Average	
		point140	140	6,084,926.5	2,274,474.5	418.00				Average	
		point141	141	6,084,941.5	2,274,475.2	419.00				Average	
		point142	142	6,084,956.0	2,274,476.0	420.00				Average	
		point143	143	6,084,984.0	2,274,476.5	421.00				Average	
		point144	144	6,084,999.5	2,274,477.0	422.00				Average	
		point145	145	6,085,013.5	2,274,477.8	423.00				Average	
		point146	146	6,085,028.0	2,274,478.5	426.00				Average	
		point147	147	6,085,057.0	2,274,479.5	427.00				Average	
		point148	148	6,085,072.0	2,274,479.5	428.00				Average	
		point149	149	6,085,086.0	2,274,480.0	429.00				Average	
		point150	150	6,085,100.0	2,274,480.8	430.00				Average	
		point151	151	6,085,130.0	2,274,481.2	431.00				Average	
		point152	152	6,085,144.0	2,274,481.8	432.00				Average	
		point153	153	6,085,159.5	2,274,482.2	433.00				Average	
		point154	154	6,085,174.5	2,274,482.5	434.00				Average	
		point155	155	6,085,207.5	2,274,483.5	435.00				Average	
		point156	156	6,085,222.0	2,274,483.8	436.00				Average	
		point157	157	6,085,243.5	2,274,484.0	437.00				Average	
		point158	158	6,085,277.5	2,274,484.2	438.00				Average	
		point159	159	6,085,404.0	2,274,484.5	439.00				Average	
		point160	160	6,085,460.5	2,274,484.2	439.00				Average	
		point161	161	6,085,608.5	2,274,487.0	439.00				Average	
		point162	162	6,085,725.5	2,274,484.0	440.00					
Westbound	25.0	point163	163	6,085,726.0	2,274,508.5	440.00				Average	
		point164	164	6,085,629.5	2,274,510.5	439.00				Average	
		point165	165	6,085,440.5	2,274,514.0	438.00				Average	
		point166	166	6,085,277.0	2,274,513.0	437.00				Average	
		point167	167	6,085,250.5	2,274,512.2	436.00				Average	
		point168	168	6,085,227.5	2,274,511.5	435.00				Average	
		point169	169	6,085,208.5	2,274,511.2	434.00				Average	
		point170	170	6,085,175.5	2,274,509.8	433.00				Average	
		point171	171	6,085,160.0	2,274,508.8	432.00				Average	
		point172	172	6,085,144.5	2,274,508.5	431.00				Average	
		point173	173	6,085,131.0	2,274,507.2	430.00				Average	
		point174	174	6,085,101.5	2,274,505.5	429.00				Average	
		point175	175	6,085,086.0	2,274,504.8	428.00				Average	

INPUT: ROADWAYS

PN:167987

		point176	176	6,085,071.0	2,274,504.0	427.00				Average
		point177	177	6,085,055.5	2,274,503.0	426.00				Average
		point178	178	6,085,026.5	2,274,501.0	423.00				Average
		point179	179	6,085,011.0	2,274,499.8	422.00				Average
		point180	180	6,084,997.0	2,274,499.5	421.00				Average
		point181	181	6,084,982.5	2,274,498.5	420.00				Average
		point182	182	6,084,953.0	2,274,497.0	419.00				Average
		point183	183	6,084,937.0	2,274,496.5	418.00				Average
		point184	184	6,084,923.0	2,274,495.8	417.00				Average
		point185	185	6,084,908.0	2,274,495.5	415.00				Average
		point186	186	6,084,873.5	2,274,494.8	414.00				Average
		point187	187	6,084,854.5	2,274,494.2	413.00				Average
		point188	188	6,084,832.5	2,274,493.8	412.00				Average
		point189	189	6,084,809.5	2,274,493.5	409.00				Average
		point190	190	6,084,725.5	2,274,494.5	408.00				Average
		point191	191	6,084,629.0	2,274,496.2	408.00				Average
		point192	192	6,084,430.0	2,274,498.8	409.00				Average
		point193	193	6,084,390.5	2,274,499.0	410.00				Average
		point194	194	6,084,333.0	2,274,499.2	412.00				Average
		point195	195	6,084,308.5	2,274,499.5	413.00				Average
		point196	196	6,084,282.5	2,274,499.5	414.00				Average
		point197	197	6,084,254.5	2,274,499.8	415.00				Average
		point198	198	6,084,192.5	2,274,500.0	417.00				Average
		point199	199	6,084,140.5	2,274,500.5	417.00				Average
		point200	200	6,084,097.0	2,274,502.5	417.00				Average
		point201	201	6,084,029.5	2,274,505.8	413.00				Average
		point202	202	6,083,978.0	2,274,508.5	413.00				Average
		point203	203	6,083,851.5	2,274,509.2	408.00				Average
		point214	214	6,083,675.0	2,274,512.5	408.00				Average
		point219	219	6,083,476.0	2,274,514.0	408.00				Average
		point220	220	6,083,188.5	2,274,518.0	404.00				

Michael Baker International				9 May 2019									
Pierre Glaize				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		PN:167987											
RUN:		Bastanchury Existing											
Roadway		Points											
Name		Name	No.	Segment									
				Autos		MTrucks		HTrucks		Buses		Motorcycles	
				V	S	V	S	V	S	V	S	V	S
				veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Roadway1		point1	1	0	0	0	0	0	0	0	0	0	0
		point2	2										
Roadway2		point3	3	0	0	0	0	0	0	0	0	0	0
		point4	4										
Roadway38		point75	75	0	0	0	0	0	0	0	0	0	0
		point76	76										
Roadway39		point77	77	0	0	0	0	0	0	0	0	0	0
		point78	78										
Roadway40		point79	79	0	0	0	0	0	0	0	0	0	0
		point80	80										
Roadway41		point81	81	0	0	0	0	0	0	0	0	0	0
		point82	82										
Roadway42		point83	83	0	0	0	0	0	0	0	0	0	0
		point84	84										
Roadway43		point85	85	0	0	0	0	0	0	0	0	0	0
		point86	86										
Roadway44		point87	87	0	0	0	0	0	0	0	0	0	0
		point88	88										
Roadway45		point89	89	0	0	0	0	0	0	0	0	0	0
		point90	90										
Roadway46		point91	91	0	0	0	0	0	0	0	0	0	0
		point207	207	0	0	0	0	0	0	0	0	0	0
		point92	92										

INPUT: TRAFFIC FOR LAeq1h Volumes

PN:167987

Roadway47	point93	93	0	0	0	0	0	0	0	0	0	0
	point94	94										
Roadway48	point95	95	0	0	0	0	0	0	0	0	0	0
	point96	96										
Roadway49	point97	97	0	0	0	0	0	0	0	0	0	0
	point98	98										
Roadway50	point99	99	0	0	0	0	0	0	0	0	0	0
	point100	100										
Roadway53	point105	105	0	0	0	0	0	0	0	0	0	0
	point106	106										
Roadway54	point107	107	0	0	0	0	0	0	0	0	0	0
	point108	108										
Roadway55	point109	109	0	0	0	0	0	0	0	0	0	0
	point110	110										
Roadway56	point111	111	0	0	0	0	0	0	0	0	0	0
	point112	112										
Roadway57	point113	113	0	0	0	0	0	0	0	0	0	0
	point114	114										
Roadway58	point115	115	0	0	0	0	0	0	0	0	0	0
	point116	116										
Roadway51	point101	101	0	0	0	0	0	0	0	0	0	0
	point103	103	0	0	0	0	0	0	0	0	0	0
	point104	104										
Eastbound	point221	221	781	40	16	40	8	40	0	0	0	0
	point217	217	781	40	16	40	8	40	0	0	0	0
	point121	121	781	40	16	40	8	40	0	0	0	0
	point122	122	781	40	16	40	8	40	0	0	0	0
	point123	123	781	40	16	40	8	40	0	0	0	0
	point124	124	781	40	16	40	8	40	0	0	0	0
	point125	125	781	40	16	40	8	40	0	0	0	0
	point126	126	781	40	16	40	8	40	0	0	0	0
	point127	127	781	40	16	40	8	40	0	0	0	0
	point128	128	781	40	16	40	8	40	0	0	0	0
	point129	129	781	40	16	40	8	40	0	0	0	0
	point130	130	781	40	16	40	8	40	0	0	0	0
	point131	131	781	40	16	40	8	40	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

PN:167987

	point132	132	781	40	16	40	8	40	0	0	0	0
	point133	133	781	40	16	40	8	40	0	0	0	0
	point134	134	781	40	16	40	8	40	0	0	0	0
	point135	135	781	40	16	40	8	40	0	0	0	0
	point136	136	781	40	16	40	8	40	0	0	0	0
	point137	137	781	40	16	40	8	40	0	0	0	0
	point138	138	781	40	16	40	8	40	0	0	0	0
	point139	139	781	40	16	40	8	40	0	0	0	0
	point140	140	781	40	16	40	8	40	0	0	0	0
	point141	141	781	40	16	40	8	40	0	0	0	0
	point142	142	781	40	16	40	8	40	0	0	0	0
	point143	143	781	40	16	40	8	40	0	0	0	0
	point144	144	781	40	16	40	8	40	0	0	0	0
	point145	145	781	40	16	40	8	40	0	0	0	0
	point146	146	781	40	16	40	8	40	0	0	0	0
	point147	147	781	40	16	40	8	40	0	0	0	0
	point148	148	781	40	16	40	8	40	0	0	0	0
	point149	149	781	40	16	40	8	40	0	0	0	0
	point150	150	781	40	16	40	8	40	0	0	0	0
	point151	151	781	40	16	40	8	40	0	0	0	0
	point152	152	781	40	16	40	8	40	0	0	0	0
	point153	153	781	40	16	40	8	40	0	0	0	0
	point154	154	781	40	16	40	8	40	0	0	0	0
	point155	155	781	40	16	40	8	40	0	0	0	0
	point156	156	781	40	16	40	8	40	0	0	0	0
	point157	157	781	40	16	40	8	40	0	0	0	0
	point158	158	781	40	16	40	8	40	0	0	0	0
	point159	159	781	40	16	40	8	40	0	0	0	0
	point160	160	781	40	16	40	8	40	0	0	0	0
	point161	161	781	40	16	40	8	40	0	0	0	0
	point162	162										
Westbound	point163	163	781	40	16	40	8	40	0	0	0	0
	point164	164	781	40	16	40	8	40	0	0	0	0
	point165	165	781	40	16	40	8	40	0	0	0	0
	point166	166	781	40	16	40	8	40	0	0	0	0
	point167	167	781	40	16	40	8	40	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

PN:167987

	point168	168	781	40	16	40	8	40	0	0	0	0
	point169	169	781	40	16	40	8	40	0	0	0	0
	point170	170	781	40	16	40	8	40	0	0	0	0
	point171	171	781	40	16	40	8	40	0	0	0	0
	point172	172	781	40	16	40	8	40	0	0	0	0
	point173	173	781	40	16	40	8	40	0	0	0	0
	point174	174	781	40	16	40	8	40	0	0	0	0
	point175	175	781	40	16	40	8	40	0	0	0	0
	point176	176	781	40	16	40	8	40	0	0	0	0
	point177	177	781	40	16	40	8	40	0	0	0	0
	point178	178	781	40	16	40	8	40	0	0	0	0
	point179	179	781	40	16	40	8	40	0	0	0	0
	point180	180	781	40	16	40	8	40	0	0	0	0
	point181	181	781	40	16	40	8	40	0	0	0	0
	point182	182	781	40	16	40	8	40	0	0	0	0
	point183	183	781	40	16	40	8	40	0	0	0	0
	point184	184	781	40	16	40	8	40	0	0	0	0
	point185	185	781	40	16	40	8	40	0	0	0	0
	point186	186	781	40	16	40	8	40	0	0	0	0
	point187	187	781	40	16	40	8	40	0	0	0	0
	point188	188	781	40	16	40	8	40	0	0	0	0
	point189	189	781	40	16	40	8	40	0	0	0	0
	point190	190	781	40	16	40	8	40	0	0	0	0
	point191	191	781	40	16	40	8	40	0	0	0	0
	point192	192	781	40	16	40	8	40	0	0	0	0
	point193	193	781	40	16	40	8	40	0	0	0	0
	point194	194	781	40	16	40	8	40	0	0	0	0
	point195	195	781	40	16	40	8	40	0	0	0	0
	point196	196	781	40	16	40	8	40	0	0	0	0
	point197	197	781	40	16	40	8	40	0	0	0	0
	point198	198	781	40	16	40	8	40	0	0	0	0
	point199	199	781	40	16	40	8	40	0	0	0	0
	point200	200	781	40	16	40	8	40	0	0	0	0
	point201	201	781	40	16	40	8	40	0	0	0	0
	point202	202	781	40	16	40	8	40	0	0	0	0
	point203	203	781	40	16	40	8	40	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**PN:167987**

	point214	214	781	40	16	40	8	40	0	0	0	0
	point219	219	781	40	16	40	8	40	0	0	0	0
	point220	220										

INPUT: ROADWAYS

167987

Michael Baker International					9 May 2019					
Pierre Glaize					TNM 2.5					

INPUT: ROADWAYS
 PROJECT/CONTRACT: 167987
 RUN: Bastanchury Existing with Build

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points			Coordinates (pavement)			Flow Control			Segment	
		Name	No.		X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft				ft	ft	ft		mph	%		
Roadway2	12.0	point3	3		6,083,770.0	2,274,539.2	410.00				Average	
		point4	4		6,083,769.5	2,274,643.5	410.00					
Roadway38	12.0	point75	75		6,083,935.5	2,274,477.8	413.00				Average	
		point76	76		6,083,938.0	2,274,426.8	412.00					
Roadway39	12.0	point77	77		6,083,938.0	2,274,426.8	412.00				Average	
		point78	78		6,083,938.5	2,274,370.0	412.00					
Roadway40	12.0	point79	79		6,083,938.5	2,274,370.0	412.00				Average	
		point80	80		6,083,936.5	2,274,306.2	410.00					
Roadway41	12.0	point81	81		6,083,936.5	2,274,306.2	410.00				Average	
		point82	82		6,083,937.0	2,274,279.0	409.00					
Roadway42	12.0	point83	83		6,083,961.5	2,274,477.8	413.00				Average	
		point84	84		6,083,959.0	2,274,428.0	412.00					
Roadway43	12.0	point85	85		6,083,959.0	2,274,428.0	412.00				Average	
		point86	86		6,083,957.0	2,274,367.5	412.00					
Roadway44	12.0	point87	87		6,083,957.0	2,274,367.5	412.00				Average	
		point88	88		6,083,956.0	2,274,304.0	410.00					
Roadway45	12.0	point89	89		6,083,956.0	2,274,304.0	410.00				Average	
		point90	90		6,083,956.0	2,274,279.2	409.00					
Roadway46	12.0	point91	91		6,085,238.5	2,274,463.0	437.00				Average	
		point207	207		6,085,239.0	2,274,414.2	436.00				Average	
		point92	92		6,085,240.0	2,274,365.5	436.00					
Roadway47	12.0	point93	93		6,085,240.0	2,274,365.5	436.00				Average	
		point94	94		6,085,238.5	2,274,306.8	435.00					
Roadway48	12.0	point95	95		6,085,238.5	2,274,306.8	435.00				Average	
		point96	96		6,085,237.5	2,274,283.2	434.00					

INPUT: ROADWAYS

167987

Roadway49	12.0	point97	97	6,085,256.0	2,274,461.0	437.00				Average
		point98	98	6,085,255.0	2,274,410.2	436.00				
Roadway50	12.0	point99	99	6,085,255.0	2,274,410.2	436.00				Average
		point100	100	6,085,254.0	2,274,364.0	436.00				
Roadway53	12.0	point105	105	6,085,241.0	2,274,533.2	437.00				Average
		point106	106	6,085,245.0	2,274,595.2	439.00				
Roadway54	12.0	point107	107	6,085,245.0	2,274,595.2	439.00				Average
		point108	108	6,085,243.5	2,274,677.5	440.00				
Roadway55	12.0	point109	109	6,085,243.5	2,274,677.5	440.00				Average
		point110	110	6,085,241.0	2,274,706.0	441.00				
Roadway56	12.0	point111	111	6,085,263.0	2,274,534.8	437.00				Average
		point112	112	6,085,262.5	2,274,589.5	439.00				
Roadway57	12.0	point113	113	6,085,262.5	2,274,589.5	439.00				Average
		point114	114	6,085,261.0	2,274,678.8	440.00				
Roadway58	12.0	point115	115	6,085,261.0	2,274,678.8	440.00				Average
		point116	116	6,085,259.0	2,274,708.2	441.00				
Roadway51	12.0	point101	101	6,085,254.0	2,274,364.0	436.00				Average
		point103	103	6,085,253.5	2,274,302.8	435.00				Average
		point104	104	6,085,252.5	2,274,282.5	434.00				
Eastbound 1	11.0	point221	221	6,083,187.5	2,274,491.8	404.00				Average
		point217	217	6,083,475.0	2,274,486.8	408.00				Average
		point121	121	6,083,674.5	2,274,484.5	408.00				Average
		point122	122	6,083,881.0	2,274,483.0	413.00				Average
		point123	123	6,084,043.0	2,274,481.2	414.00				Average
		point124	124	6,084,184.0	2,274,478.8	413.00				Average
		point125	125	6,084,246.5	2,274,478.0	413.00				Average
		point126	126	6,084,271.5	2,274,479.2	413.00				Average
		point127	127	6,084,297.5	2,274,478.8	412.00				Average
		point128	128	6,084,323.0	2,274,478.0	412.00				Average
		point129	129	6,084,376.5	2,274,477.8	412.00				Average
		point130	130	6,084,409.0	2,274,477.2	410.00				Average
		point131	131	6,084,473.0	2,274,476.8	408.00				Average
		point132	132	6,084,578.0	2,274,474.2	408.00				Average
		point133	133	6,084,660.5	2,274,474.8	412.00				Average
		point134	134	6,084,755.0	2,274,474.0	416.00				Average
		point135	135	6,084,821.5	2,274,473.2	416.00				Average
		point136	136	6,084,845.0	2,274,473.0	417.00				Average
		point137	137	6,084,863.5	2,274,472.8	418.00				Average
		point138	138	6,084,882.0	2,274,472.5	420.00				Average

INPUT: ROADWAYS

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		point139	139	6,084,914.0	2,274,471.5	421.00				Average	
		point140	140	6,084,926.5	2,274,472.2	422.00				Average	
		point141	141	6,084,941.5	2,274,471.5	423.00				Average	
		point142	142	6,084,955.0	2,274,472.0	424.00				Average	
		point143	143	6,084,983.5	2,274,471.5	424.00				Average	
		point144	144	6,085,000.0	2,274,470.8	424.00				Average	
		point145	145	6,085,013.5	2,274,470.5	426.00				Average	
		point146	146	6,085,028.0	2,274,470.5	428.00				Average	
		point147	147	6,085,057.5	2,274,470.8	429.00				Average	
		point148	148	6,085,072.5	2,274,470.8	429.00				Average	
		point149	149	6,085,086.0	2,274,470.5	430.00				Average	
		point150	150	6,085,100.5	2,274,471.0	431.00				Average	
		point151	151	6,085,130.5	2,274,472.5	432.00				Average	
		point152	152	6,085,144.5	2,274,473.0	433.00				Average	
		point153	153	6,085,162.5	2,274,474.0	434.00				Average	
		point154	154	6,085,177.5	2,274,474.2	435.00				Average	
		point155	155	6,085,210.5	2,274,475.2	436.00				Average	
		point156	156	6,085,225.0	2,274,475.5	437.00				Average	
		point157	157	6,085,246.5	2,274,475.8	438.00				Average	
		point158	158	6,085,283.0	2,274,477.0	439.00				Average	
		point159	159	6,085,405.5	2,274,478.5	439.00				Average	
		point160	160	6,085,462.0	2,274,478.2	439.00				Average	
		point161	161	6,085,610.5	2,274,476.2	439.00				Average	
		point162	162	6,085,725.0	2,274,476.0	440.00					
Westbound	11.0	point163	163	6,085,726.5	2,274,516.8	439.00				Average	
		point164	164	6,085,631.5	2,274,518.8	439.00				Average	
		point165	165	6,085,442.0	2,274,520.0	439.00				Average	
		point166	166	6,085,281.5	2,274,520.2	438.00				Average	
		point167	167	6,085,254.0	2,274,519.5	437.00				Average	
		point168	168	6,085,231.0	2,274,518.8	436.00				Average	
		point169	169	6,085,212.0	2,274,518.5	435.00				Average	
		point170	170	6,085,179.0	2,274,518.0	434.00				Average	
		point171	171	6,085,163.5	2,274,516.8	433.00				Average	
		point172	172	6,085,148.5	2,274,517.2	432.00				Average	
		point173	173	6,085,137.0	2,274,516.5	431.00				Average	
		point174	174	6,085,105.0	2,274,515.0	430.00				Average	
		point175	175	6,085,098.0	2,274,514.5	430.00				Average	
		point176	176	6,085,084.5	2,274,514.2	429.00				Average	
		point177	177	6,085,067.5	2,274,512.8	428.00				Average	

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		point178	178	6,085,041.0	2,274,512.2	428.00				Average	
		point179	179	6,085,024.5	2,274,512.2	426.00				Average	
		point180	180	6,085,006.5	2,274,512.8	424.00				Average	
		point181	181	6,084,986.0	2,274,513.5	424.00				Average	
		point182	182	6,084,957.0	2,274,513.8	423.00				Average	
		point183	183	6,084,939.5	2,274,514.0	422.00				Average	
		point184	184	6,084,925.5	2,274,514.0	421.00				Average	
		point185	185	6,084,910.0	2,274,514.8	420.00				Average	
		point186	186	6,084,878.5	2,274,514.5	418.00				Average	
		point187	187	6,084,859.5	2,274,515.5	417.00				Average	
		point188	188	6,084,836.5	2,274,515.5	416.00				Average	
		point189	189	6,084,813.5	2,274,515.2	416.00				Average	
		point190	190	6,084,731.0	2,274,516.2	410.00				Average	
		point191	191	6,084,631.0	2,274,517.2	408.00				Average	
		point192	192	6,084,432.5	2,274,521.2	410.00				Average	
		point193	193	6,084,392.5	2,274,521.5	412.00				Average	
		point194	194	6,084,335.0	2,274,522.5	412.00				Average	
		point195	195	6,084,310.5	2,274,522.5	413.00				Average	
		point196	196	6,084,284.5	2,274,523.0	413.00				Average	
		point197	197	6,084,256.5	2,274,523.2	413.00				Average	
		point198	198	6,084,194.5	2,274,523.5	414.00				Average	
		point199	199	6,084,142.5	2,274,524.0	414.00				Average	
		point200	200	6,084,100.0	2,274,523.8	414.00				Average	
		point201	201	6,084,031.0	2,274,524.2	413.00				Average	
		point202	202	6,083,980.0	2,274,525.2	413.00				Average	
		point203	203	6,083,853.0	2,274,526.0	408.00				Average	
		point214	214	6,083,676.5	2,274,529.2	408.00				Average	
		point219	219	6,083,477.5	2,274,530.8	408.00				Average	
		point220	220	6,083,190.0	2,274,534.8	404.00					
Eastbound 2	22.0	point221	223	6,083,190.0	2,274,503.2	404.00				Average	
		point217	224	6,083,477.5	2,274,498.2	408.00				Average	
		point121	225	6,083,677.0	2,274,497.2	408.00				Average	
		point122	226	6,083,883.5	2,274,494.5	413.00				Average	
		point123	227	6,084,045.5	2,274,492.8	414.00				Average	
		point124	228	6,084,186.5	2,274,490.2	413.00				Average	
		point125	229	6,084,249.0	2,274,489.5	413.00				Average	
		point126	230	6,084,274.0	2,274,490.8	413.00				Average	
		point127	231	6,084,300.0	2,274,490.2	412.00				Average	
		point128	232	6,084,325.5	2,274,489.5	412.00				Average	

INPUT: ROADWAYS

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		point129	233	6,084,379.0	2,274,489.2	410.00				Average	
		point130	234	6,084,411.5	2,274,488.8	410.00				Average	
		point131	235	6,084,475.5	2,274,488.2	408.00				Average	
		point132	236	6,084,580.5	2,274,485.8	408.00				Average	
		point133	237	6,084,663.0	2,274,486.2	410.00				Average	
		point134	238	6,084,757.5	2,274,485.5	416.00				Average	
		point135	239	6,084,824.0	2,274,484.8	416.00				Average	
		point136	240	6,084,847.5	2,274,484.5	417.00				Average	
		point137	241	6,084,866.0	2,274,484.2	418.00				Average	
		point138	242	6,084,884.5	2,274,484.0	420.00				Average	
		point139	243	6,084,916.5	2,274,483.0	421.00				Average	
		point140	244	6,084,929.0	2,274,483.8	422.00				Average	
		point141	245	6,084,944.0	2,274,483.0	423.00				Average	
		point142	246	6,084,957.5	2,274,483.5	424.00				Average	
		point143	247	6,084,986.0	2,274,483.0	424.00				Average	
		point144	248	6,085,002.5	2,274,482.2	424.00				Average	
		point145	249	6,085,016.0	2,274,482.0	426.00				Average	
		point146	250	6,085,030.5	2,274,482.0	428.00				Average	
		point147	251	6,085,060.0	2,274,482.2	429.00				Average	
		point148	252	6,085,075.0	2,274,482.2	429.00				Average	
		point149	253	6,085,088.5	2,274,482.0	430.00				Average	
		point150	254	6,085,103.0	2,274,482.5	431.00				Average	
		point151	255	6,085,133.0	2,274,484.0	432.00				Average	
		point152	256	6,085,147.0	2,274,484.5	433.00				Average	
		point153	257	6,085,165.0	2,274,485.5	434.00				Average	
		point154	258	6,085,180.0	2,274,485.8	435.00				Average	
		point155	259	6,085,213.0	2,274,486.8	436.00				Average	
		point156	260	6,085,227.5	2,274,487.0	437.00				Average	
		point157	261	6,085,249.0	2,274,487.2	438.00				Average	
		point158	262	6,085,285.5	2,274,488.5	439.00				Average	
		point159	263	6,085,408.0	2,274,488.5	439.00				Average	
		point160	264	6,085,465.5	2,274,488.8	439.00				Average	
		point161	265	6,085,613.0	2,274,487.8	439.00				Average	
		point162	266	6,085,727.5	2,274,487.5	440.00					
Westbound 2	22.0	point163	338	6,085,726.5	2,274,506.2	439.00				Average	
		point164	339	6,085,631.5	2,274,508.2	439.00				Average	
		point165	340	6,085,442.0	2,274,509.5	439.00				Average	
		point166	341	6,085,281.5	2,274,509.8	438.00				Average	
		point167	342	6,085,254.0	2,274,509.0	437.00				Average	

INPUT: ROADWAYS

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		point168	343	6,085,231.0	2,274,508.2	436.00				Average	
		point169	344	6,085,212.0	2,274,508.0	435.00				Average	
		point170	345	6,085,179.0	2,274,507.5	434.00				Average	
		point171	346	6,085,163.5	2,274,506.2	433.00				Average	
		point172	347	6,085,148.5	2,274,506.8	432.00				Average	
		point173	348	6,085,137.0	2,274,506.0	431.00				Average	
		point174	349	6,085,105.0	2,274,504.5	430.00				Average	
		point175	350	6,085,098.0	2,274,504.0	430.00				Average	
		point176	351	6,085,084.5	2,274,503.8	429.00				Average	
		point177	357	6,085,067.5	2,274,502.2	428.00				Average	
		point178	353	6,085,041.0	2,274,501.8	428.00				Average	
		point179	354	6,085,024.5	2,274,501.8	426.00				Average	
		point180	355	6,085,006.5	2,274,502.2	424.00				Average	
		point181	356	6,084,986.0	2,274,503.0	424.00				Average	
		point182	357	6,084,957.0	2,274,503.2	423.00				Average	
		point183	358	6,084,939.5	2,274,503.5	422.00				Average	
		point184	359	6,084,925.5	2,274,503.5	421.00				Average	
		point185	360	6,084,910.0	2,274,504.2	420.00				Average	
		point186	361	6,084,878.5	2,274,504.0	418.00				Average	
		point187	362	6,084,859.5	2,274,505.0	417.00				Average	
		point188	363	6,084,836.5	2,274,505.0	416.00				Average	
		point189	364	6,084,813.5	2,274,504.8	416.00				Average	
		point190	365	6,084,731.0	2,274,505.8	410.00				Average	
		point191	366	6,084,631.0	2,274,506.8	408.00				Average	
		point192	367	6,084,432.5	2,274,510.8	410.00				Average	
		point193	368	6,084,392.5	2,274,511.0	412.00				Average	
		point194	369	6,084,335.0	2,274,512.0	412.00				Average	
		point195	370	6,084,310.5	2,274,512.0	413.00				Average	
		point196	371	6,084,284.5	2,274,512.5	413.00				Average	
		point197	372	6,084,256.5	2,274,512.8	413.00				Average	
		point198	373	6,084,194.5	2,274,513.0	414.00				Average	
		point199	374	6,084,142.5	2,274,513.5	414.00				Average	
		point200	375	6,084,100.0	2,274,513.2	414.00				Average	
		point201	376	6,084,031.0	2,274,513.8	413.00				Average	
		point202	377	6,083,980.0	2,274,514.8	413.00				Average	
		point203	378	6,083,853.0	2,274,515.5	408.00				Average	
		point214	379	6,083,676.5	2,274,518.8	408.00				Average	
		point219	380	6,083,477.5	2,274,520.2	408.00				Average	
		point220	381	6,083,190.0	2,274,524.2	404.00					

Michael Baker International				9 May 2019									
Pierre Glaize				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		167987											
RUN:		Bastanchury Existing with Build											
Roadway		Points											
Name		Name	No.	Segment									
				Autos		MTrucks		HTrucks		Buses		Motorcycles	
				V	S	V	S	V	S	V	S	V	S
				veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Roadway2		point3	3	0	0	0	0	0	0	0	0	0	0
		point4	4										
Roadway38		point75	75	0	0	0	0	0	0	0	0	0	0
		point76	76										
Roadway39		point77	77	0	0	0	0	0	0	0	0	0	0
		point78	78										
Roadway40		point79	79	0	0	0	0	0	0	0	0	0	0
		point80	80										
Roadway41		point81	81	0	0	0	0	0	0	0	0	0	0
		point82	82										
Roadway42		point83	83	0	0	0	0	0	0	0	0	0	0
		point84	84										
Roadway43		point85	85	0	0	0	0	0	0	0	0	0	0
		point86	86										
Roadway44		point87	87	0	0	0	0	0	0	0	0	0	0
		point88	88										
Roadway45		point89	89	0	0	0	0	0	0	0	0	0	0
		point90	90										
Roadway46		point91	91	0	0	0	0	0	0	0	0	0	0
		point207	207	0	0	0	0	0	0	0	0	0	0
		point92	92										
Roadway47		point93	93	0	0	0	0	0	0	0	0	0	0
		point94	94										

INPUT: TRAFFIC FOR LAeq1h Volumes

167987

Roadway48	point95	95	0	0	0	0	0	0	0	0	0	0
	point96	96										
Roadway49	point97	97	0	0	0	0	0	0	0	0	0	0
	point98	98										
Roadway50	point99	99	0	0	0	0	0	0	0	0	0	0
	point100	100										
Roadway53	point105	105	0	0	0	0	0	0	0	0	0	0
	point106	106										
Roadway54	point107	107	0	0	0	0	0	0	0	0	0	0
	point108	108										
Roadway55	point109	109	0	0	0	0	0	0	0	0	0	0
	point110	110										
Roadway56	point111	111	0	0	0	0	0	0	0	0	0	0
	point112	112										
Roadway57	point113	113	0	0	0	0	0	0	0	0	0	0
	point114	114										
Roadway58	point115	115	0	0	0	0	0	0	0	0	0	0
	point116	116										
Roadway51	point101	101	0	0	0	0	0	0	0	0	0	0
	point103	103	0	0	0	0	0	0	0	0	0	0
	point104	104										
Eastbound 1	point221	221	390	45	8	45	4	45	0	0	0	0
	point217	217	390	45	8	45	4	45	0	0	0	0
	point121	121	390	45	8	45	4	45	0	0	0	0
	point122	122	390	45	8	45	4	45	0	0	0	0
	point123	123	390	45	8	45	4	45	0	0	0	0
	point124	124	390	45	8	45	4	45	0	0	0	0
	point125	125	390	45	8	45	4	45	0	0	0	0
	point126	126	390	45	8	45	4	45	0	0	0	0
	point127	127	390	45	8	45	4	45	0	0	0	0
	point128	128	390	45	8	45	4	45	0	0	0	0
	point129	129	390	45	8	45	4	45	0	0	0	0
	point130	130	390	45	8	45	4	45	0	0	0	0
	point131	131	390	45	8	45	4	45	0	0	0	0
	point132	132	390	45	8	45	4	45	0	0	0	0
	point133	133	390	45	8	45	4	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

167987

	point134	134	390	45	8	45	4	45	0	0	0	0
	point135	135	390	45	8	45	4	45	0	0	0	0
	point136	136	390	45	8	45	4	45	0	0	0	0
	point137	137	390	45	8	45	4	45	0	0	0	0
	point138	138	390	45	8	45	4	45	0	0	0	0
	point139	139	390	45	8	45	4	45	0	0	0	0
	point140	140	390	45	8	45	4	45	0	0	0	0
	point141	141	390	45	8	45	4	45	0	0	0	0
	point142	142	390	45	8	45	4	45	0	0	0	0
	point143	143	390	45	8	45	4	45	0	0	0	0
	point144	144	390	45	8	45	4	45	0	0	0	0
	point145	145	390	45	8	45	4	45	0	0	0	0
	point146	146	390	45	8	45	4	45	0	0	0	0
	point147	147	390	45	8	45	4	45	0	0	0	0
	point148	148	390	45	8	45	4	45	0	0	0	0
	point149	149	390	45	8	45	4	45	0	0	0	0
	point150	150	390	45	8	45	4	45	0	0	0	0
	point151	151	390	45	8	45	4	45	0	0	0	0
	point152	152	390	45	8	45	4	45	0	0	0	0
	point153	153	390	45	8	45	4	45	0	0	0	0
	point154	154	390	45	8	45	4	45	0	0	0	0
	point155	155	390	45	8	45	4	45	0	0	0	0
	point156	156	390	45	8	45	4	45	0	0	0	0
	point157	157	390	45	8	45	4	45	0	0	0	0
	point158	158	390	45	8	45	4	45	0	0	0	0
	point159	159	390	45	8	45	4	45	0	0	0	0
	point160	160	390	45	8	45	4	45	0	0	0	0
	point161	161	390	45	8	45	4	45	0	0	0	0
	point162	162										
Westbound	point163	163	390	45	8	45	4	45	0	0	0	0
	point164	164	390	45	8	45	4	45	0	0	0	0
	point165	165	390	45	8	45	4	45	0	0	0	0
	point166	166	390	45	8	45	4	45	0	0	0	0
	point167	167	390	45	8	45	4	45	0	0	0	0
	point168	168	390	45	8	45	4	45	0	0	0	0
	point169	169	390	45	8	45	4	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

167987

	point170	170	390	45	8	45	4	45	0	0	0	0
	point171	171	390	45	8	45	4	45	0	0	0	0
	point172	172	390	45	8	45	4	45	0	0	0	0
	point173	173	390	45	8	45	4	45	0	0	0	0
	point174	174	390	45	8	45	4	45	0	0	0	0
	point175	175	390	45	8	45	4	45	0	0	0	0
	point176	176	390	45	8	45	4	45	0	0	0	0
	point177	177	390	45	8	45	4	45	0	0	0	0
	point178	178	390	45	8	45	4	45	0	0	0	0
	point179	179	390	45	8	45	4	45	0	0	0	0
	point180	180	390	45	8	45	4	45	0	0	0	0
	point181	181	390	45	8	45	4	45	0	0	0	0
	point182	182	390	45	8	45	4	45	0	0	0	0
	point183	183	390	45	8	45	4	45	0	0	0	0
	point184	184	390	45	8	45	4	45	0	0	0	0
	point185	185	390	45	8	45	4	45	0	0	0	0
	point186	186	390	45	8	45	4	45	0	0	0	0
	point187	187	390	45	8	45	4	45	0	0	0	0
	point188	188	390	45	8	45	4	45	0	0	0	0
	point189	189	390	45	8	45	4	45	0	0	0	0
	point190	190	390	45	8	45	4	45	0	0	0	0
	point191	191	390	45	8	45	4	45	0	0	0	0
	point192	192	390	45	8	45	4	45	0	0	0	0
	point193	193	390	45	8	45	4	45	0	0	0	0
	point194	194	390	45	8	45	4	45	0	0	0	0
	point195	195	390	45	8	45	4	45	0	0	0	0
	point196	196	390	45	8	45	4	45	0	0	0	0
	point197	197	390	45	8	45	4	45	0	0	0	0
	point198	198	390	45	8	45	4	45	0	0	0	0
	point199	199	390	45	8	45	4	45	0	0	0	0
	point200	200	390	45	8	45	4	45	0	0	0	0
	point201	201	390	45	8	45	4	45	0	0	0	0
	point202	202	390	45	8	45	4	45	0	0	0	0
	point203	203	390	45	8	45	4	45	0	0	0	0
	point214	214	390	45	8	45	4	45	0	0	0	0
	point219	219	390	45	8	45	4	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

167987

	point220	220										
Eastbound 2	point221	223	390	45	8	45	4	45	0	0	0	0
	point217	224	390	45	8	45	4	45	0	0	0	0
	point121	225	390	45	8	45	4	45	0	0	0	0
	point122	226	390	45	8	45	4	45	0	0	0	0
	point123	227	390	45	8	45	4	45	0	0	0	0
	point124	228	390	45	8	45	4	45	0	0	0	0
	point125	229	390	45	8	45	4	45	0	0	0	0
	point126	230	390	45	8	45	4	45	0	0	0	0
	point127	231	390	45	8	45	4	45	0	0	0	0
	point128	232	390	45	8	45	4	45	0	0	0	0
	point129	233	390	45	8	45	4	45	0	0	0	0
	point130	234	390	45	8	45	4	45	0	0	0	0
	point131	235	390	45	8	45	4	45	0	0	0	0
	point132	236	390	45	8	45	4	45	0	0	0	0
	point133	237	390	45	8	45	4	45	0	0	0	0
	point134	238	390	45	8	45	4	45	0	0	0	0
	point135	239	390	45	8	45	4	45	0	0	0	0
	point136	240	390	45	8	45	4	45	0	0	0	0
	point137	241	390	45	8	45	4	45	0	0	0	0
	point138	242	390	45	8	45	4	45	0	0	0	0
	point139	243	390	45	8	45	4	45	0	0	0	0
	point140	244	390	45	8	45	4	45	0	0	0	0
	point141	245	390	45	8	45	4	45	0	0	0	0
	point142	246	390	45	8	45	4	45	0	0	0	0
	point143	247	390	45	8	45	4	45	0	0	0	0
	point144	248	390	45	8	45	4	45	0	0	0	0
	point145	249	390	45	8	45	4	45	0	0	0	0
	point146	250	390	45	8	45	4	45	0	0	0	0
	point147	251	390	45	8	45	4	45	0	0	0	0
	point148	252	390	45	8	45	4	45	0	0	0	0
	point149	253	390	45	8	45	4	45	0	0	0	0
	point150	254	390	45	8	45	4	45	0	0	0	0
	point151	255	390	45	8	45	4	45	0	0	0	0
	point152	256	390	45	8	45	4	45	0	0	0	0
	point153	257	390	45	8	45	4	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes

167987

	point154	258	390	45	8	45	4	45	0	0	0	0
	point155	259	390	45	8	45	4	45	0	0	0	0
	point156	260	390	45	8	45	4	45	0	0	0	0
	point157	261	390	45	8	45	4	45	0	0	0	0
	point158	262	390	45	8	45	4	45	0	0	0	0
	point159	263	390	45	8	45	4	45	0	0	0	0
	point160	264	390	45	8	45	4	45	0	0	0	0
	point161	265	390	45	8	45	4	45	0	0	0	0
	point162	266										
Westbound 2	point163	338	390	45	8	45	4	45	0	0	0	0
	point164	339	390	45	8	45	4	45	0	0	0	0
	point165	340	390	45	8	45	4	45	0	0	0	0
	point166	341	390	45	8	45	4	45	0	0	0	0
	point167	342	390	45	8	45	4	45	0	0	0	0
	point168	343	390	45	8	45	4	45	0	0	0	0
	point169	344	390	45	8	45	4	45	0	0	0	0
	point170	345	390	45	8	45	4	45	0	0	0	0
	point171	346	390	45	8	45	4	45	0	0	0	0
	point172	347	390	45	8	45	4	45	0	0	0	0
	point173	348	390	45	8	45	4	45	0	0	0	0
	point174	349	390	45	8	45	4	45	0	0	0	0
	point175	350	390	45	8	45	4	45	0	0	0	0
	point176	351	390	45	8	45	4	45	0	0	0	0
	point177	352	390	45	8	45	4	45	0	0	0	0
	point178	353	390	45	8	45	4	45	0	0	0	0
	point179	354	390	45	8	45	4	45	0	0	0	0
	point180	355	390	45	8	45	4	45	0	0	0	0
	point181	356	390	45	8	45	4	45	0	0	0	0
	point182	357	390	45	8	45	4	45	0	0	0	0
	point183	358	390	45	8	45	4	45	0	0	0	0
	point184	359	390	45	8	45	4	45	0	0	0	0
	point185	360	390	45	8	45	4	45	0	0	0	0
	point186	361	390	45	8	45	4	45	0	0	0	0
	point187	362	390	45	8	45	4	45	0	0	0	0
	point188	363	390	45	8	45	4	45	0	0	0	0
	point189	364	390	45	8	45	4	45	0	0	0	0

INPUT: TRAFFIC FOR LAeq1h Volumes**167987**

	point190	365	390	45	8	45	4	45	0	0	0	0
	point191	366	390	45	8	45	4	45	0	0	0	0
	point192	367	390	45	8	45	4	45	0	0	0	0
	point193	368	390	45	8	45	4	45	0	0	0	0
	point194	369	390	45	8	45	4	45	0	0	0	0
	point195	370	390	45	8	45	4	45	0	0	0	0
	point196	371	390	45	8	45	4	45	0	0	0	0
	point197	372	390	45	8	45	4	45	0	0	0	0
	point198	373	390	45	8	45	4	45	0	0	0	0
	point199	374	390	45	8	45	4	45	0	0	0	0
	point200	375	390	45	8	45	4	45	0	0	0	0
	point201	376	390	45	8	45	4	45	0	0	0	0
	point202	377	390	45	8	45	4	45	0	0	0	0
	point203	378	390	45	8	45	4	45	0	0	0	0
	point214	379	390	45	8	45	4	45	0	0	0	0
	point219	380	390	45	8	45	4	45	0	0	0	0
	point220	381										

