

- Noise Monitoring Locations
- A. Piccadilly Apartments
- B. Oasis Church
- C. Mariposa Ave. Residences
- D. 7th St. Residences

DKA Planning

*NOISE RECEPTOR & MONITORING LOCATION MAP
Central Plaza Project
Imagery via Google*

1. Irolo Street

9/4/2018

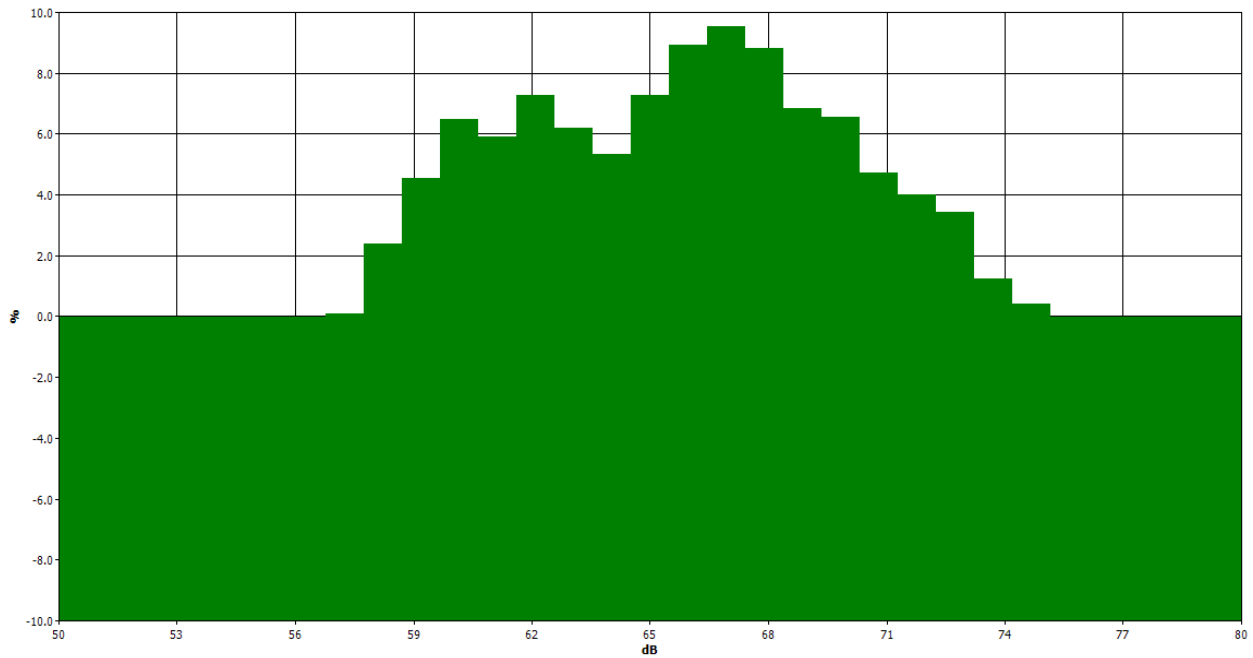
Information Panel

Name S630_BIJ050019_10092018_153407
Start Time Tuesday, September 4, 2018, 1:14pm
Stop Time Tuesday, September 4, 2018, 1:29pm
Device Model Type SoundPro DL

General Data Panel

<u>Description</u>	<u>Meter</u>	<u>Value</u>	<u>Description</u>	<u>Meter</u>	<u>Value</u>
Leq	1	68.0dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

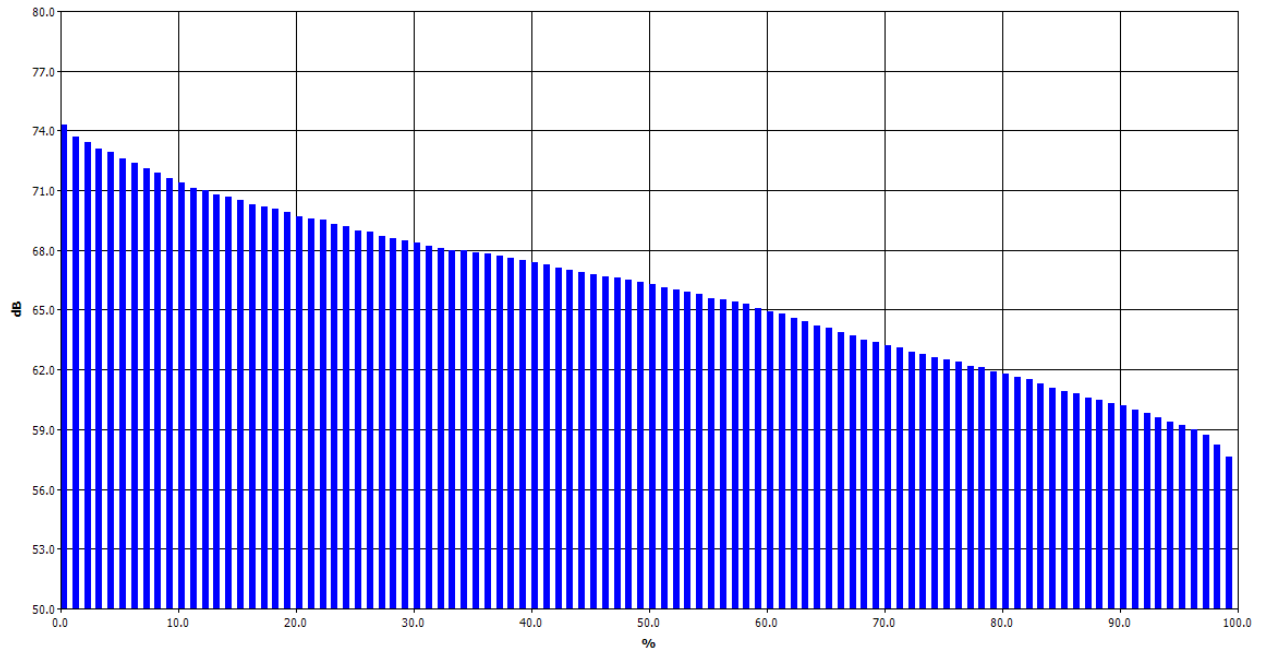
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.05	0.10
58	0.10	0.32	0.25	0.38	0.18	0.18	0.11	0.12	0.38	0.35	2.38
59	0.28	0.36	0.44	0.56	0.64	0.39	0.49	0.48	0.41	0.48	4.55
60	0.54	0.55	0.67	0.72	0.57	0.72	0.85	0.66	0.55	0.66	6.49
61	0.64	0.54	0.53	0.54	0.53	0.65	0.51	0.63	0.66	0.66	5.90
62	0.79	0.65	0.77	0.52	0.80	0.72	0.78	0.82	0.66	0.77	7.27
63	0.63	0.68	0.70	0.67	0.60	0.61	0.58	0.63	0.53	0.57	6.21
64	0.53	0.56	0.56	0.47	0.49	0.55	0.48	0.46	0.62	0.61	5.33
65	0.79	0.74	0.62	0.39	0.63	0.80	0.91	0.91	0.60	0.87	7.26
66	0.85	0.81	0.86	0.74	0.86	0.87	1.01	0.88	1.05	0.97	8.91
67	0.91	0.88	0.87	0.81	0.78	0.75	0.92	1.02	1.46	1.15	9.54
68	0.99	1.14	1.15	0.83	0.90	0.65	0.81	0.82	0.86	0.68	8.83
69	0.63	0.66	0.64	0.62	0.78	0.86	0.79	0.77	0.55	0.53	6.83
70	0.69	0.62	0.71	0.68	0.73	0.64	0.57	0.61	0.63	0.67	6.56
71	0.68	0.60	0.58	0.29	0.42	0.45	0.44	0.47	0.39	0.39	4.71
72	0.38	0.53	0.36	0.32	0.40	0.40	0.34	0.44	0.36	0.49	4.02
73	0.39	0.47	0.39	0.33	0.39	0.33	0.38	0.30	0.25	0.21	3.43
74	0.20	0.22	0.14	0.09	0.09	0.14	0.07	0.09	0.10	0.11	1.25
75	0.04	0.03	0.09	0.07	0.04	0.06	0.07	0.03	0.00	0.00	0.43
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

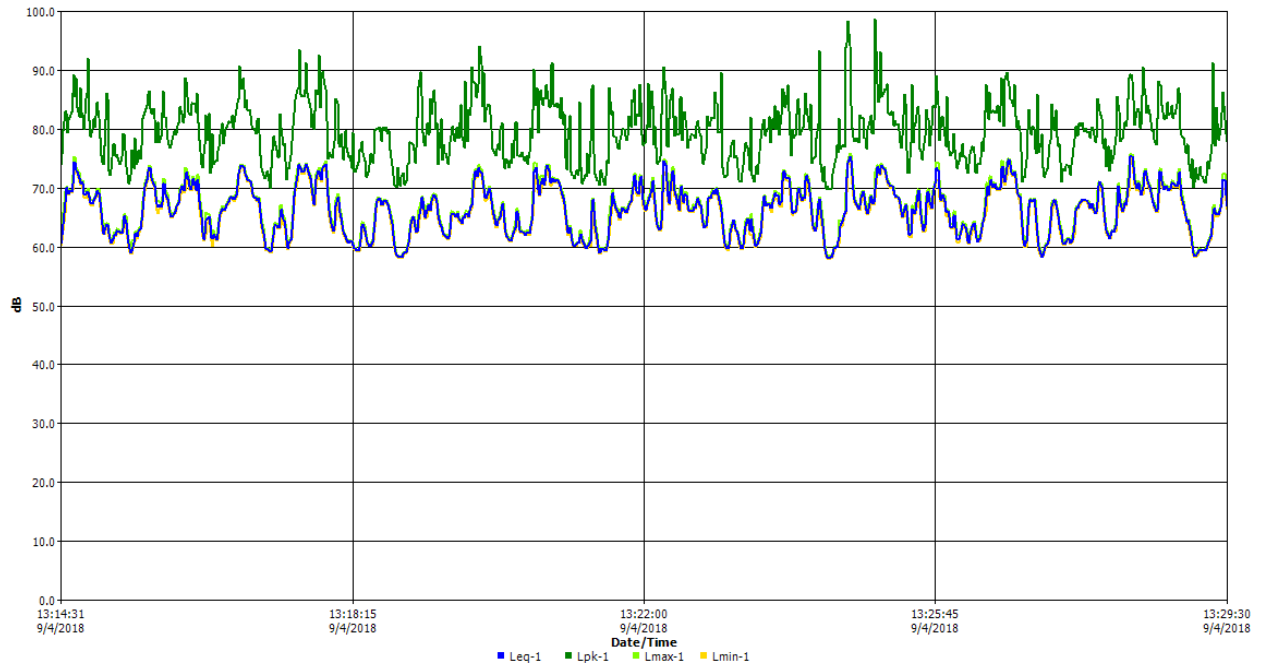
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%	74.3	73.7	73.4	73.1	72.9	72.6	72.4	72.1	71.9	
10%	71.6	71.4	71.1	71	70.8	70.7	70.5	70.3	70.2	70.1
20%	69.9	69.7	69.6	69.5	69.3	69.2	69	68.9	68.7	68.6
30%	68.5	68.4	68.2	68.1	68	68	67.9	67.8	67.7	67.6
40%	67.5	67.4	67.3	67.1	67	66.9	66.8	66.7	66.6	66.5
50%	66.4	66.3	66.1	66	65.9	65.8	65.6	65.5	65.4	65.3
60%	65.1	64.9	64.8	64.6	64.4	64.2	64.1	63.9	63.7	63.5
70%	63.4	63.2	63.1	62.9	62.8	62.6	62.5	62.4	62.2	62.1
80%	61.9	61.8	61.6	61.5	61.3	61.1	60.9	60.8	60.6	60.5
90%	60.3	60.2	60	59.8	59.6	59.4	59.2	59	58.7	58.2
100%	57.6									

Logged Data Chart



2. Wilshire Blvd.

9/4/2018

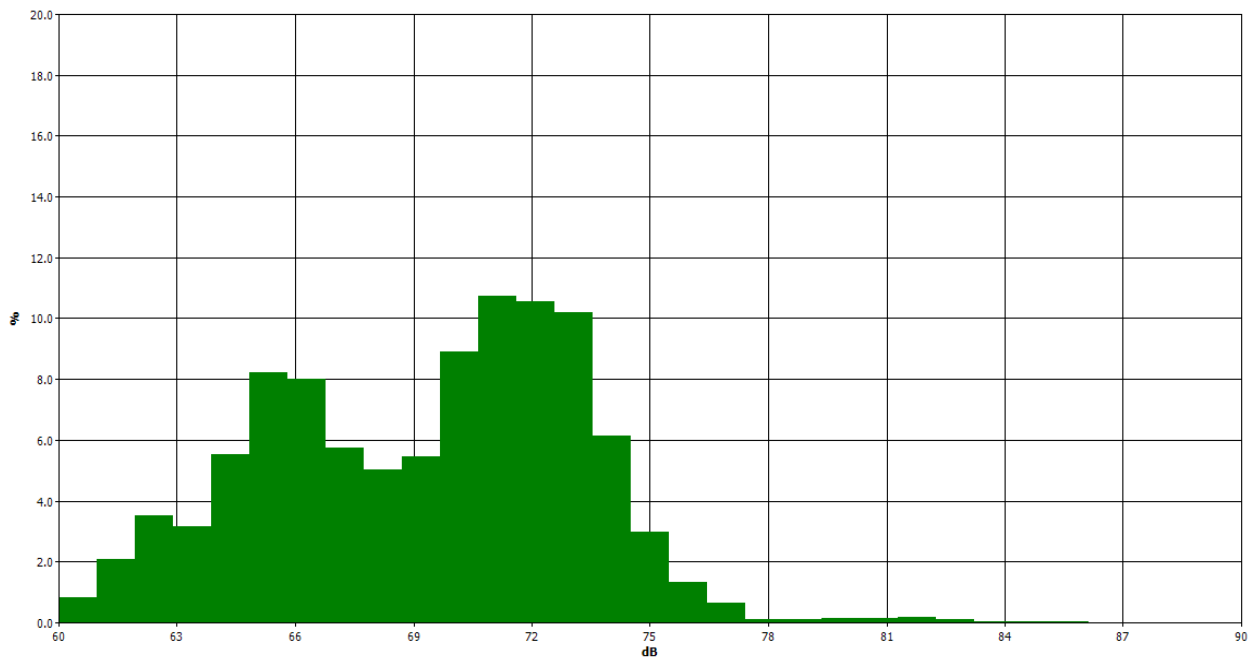
Information Panel

Name S631_BIJ050019_10092018_153408
Start Time Tuesday, September 4, 2018, 1:35pm
Stop Time Tuesday, September 4, 2018, 1:48pm
Device Model Type SoundPro DL

General Data Panel

<u>Description</u>	<u>Meter</u>	<u>Value</u>	<u>Description</u>	<u>Meter</u>	<u>Value</u>
Leq	1	71.4dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

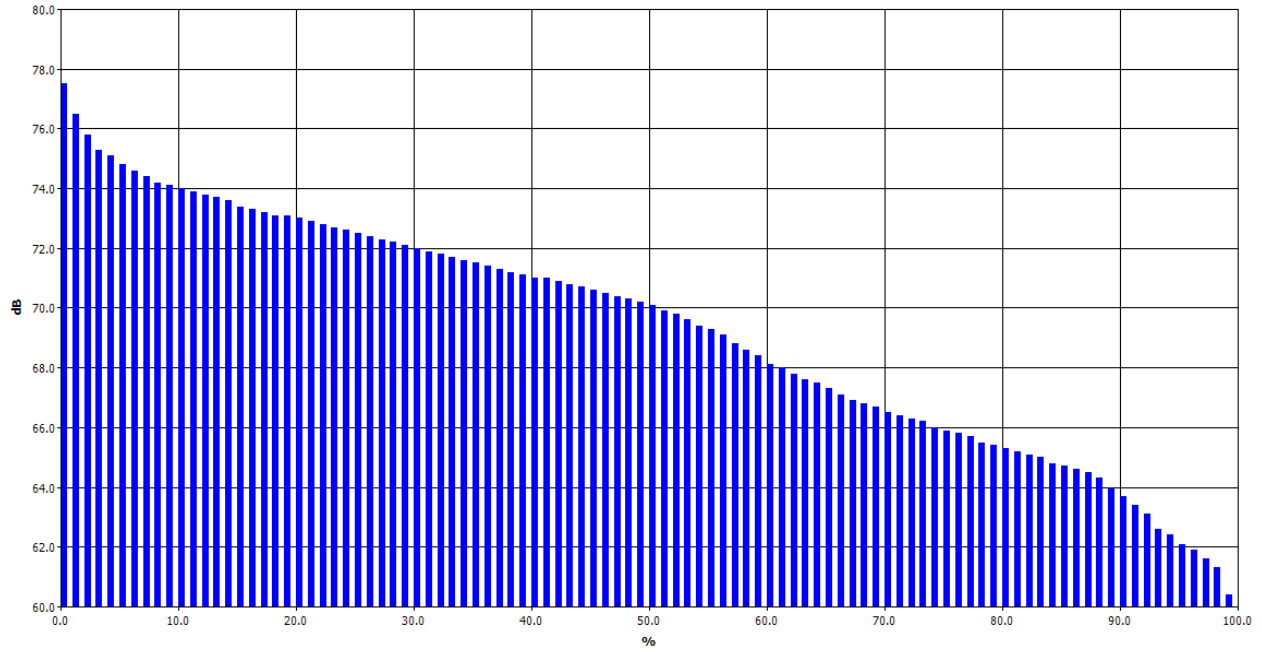
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
60	0.00	0.00	0.00	0.00	0.00	0.15	0.31	0.16	0.09	0.12	0.82
61	0.03	0.02	0.02	0.11	0.15	0.26	0.22	0.38	0.39	0.49	2.07
62	0.62	0.40	0.31	0.17	0.58	0.38	0.44	0.27	0.18	0.18	3.53
63	0.17	0.20	0.21	0.14	0.36	0.65	0.49	0.28	0.33	0.33	3.17
64	0.18	0.29	0.31	0.37	0.36	0.51	0.59	1.18	0.96	0.77	5.54
65	0.68	0.81	1.11	0.68	0.92	0.99	0.81	0.56	0.70	0.95	8.22
66	0.90	0.91	0.70	0.75	0.80	0.83	0.85	0.80	0.81	0.66	8.01
67	0.76	0.56	0.51	0.52	0.52	0.67	0.64	0.55	0.54	0.47	5.75
68	0.70	0.83	0.47	0.24	0.48	0.52	0.49	0.46	0.45	0.37	5.01
69	0.26	0.32	0.40	0.70	0.76	0.61	0.53	0.63	0.55	0.70	5.47
70	0.55	0.57	0.62	0.78	1.03	1.16	0.99	1.06	1.06	1.09	8.90
71	1.27	1.50	1.28	0.77	0.93	1.09	0.91	0.95	1.01	1.02	10.73
72	0.99	1.17	0.94	1.13	1.08	1.06	0.97	1.07	1.06	1.09	10.56
73	0.95	1.15	1.17	1.16	0.90	0.90	0.84	0.96	1.17	1.01	10.20
74	0.85	0.67	0.88	0.63	0.72	0.65	0.51	0.37	0.42	0.45	6.15
75	0.41	0.40	0.39	0.35	0.33	0.24	0.20	0.21	0.22	0.26	3.00
76	0.14	0.11	0.12	0.11	0.11	0.17	0.13	0.13	0.20	0.11	1.33
77	0.07	0.07	0.06	0.06	0.08	0.14	0.07	0.01	0.03	0.04	0.63
78	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.11
79	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10
80	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.13
81	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.15
82	0.01	0.01	0.05	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.19
83	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.12
84	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05
85	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.05
86	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

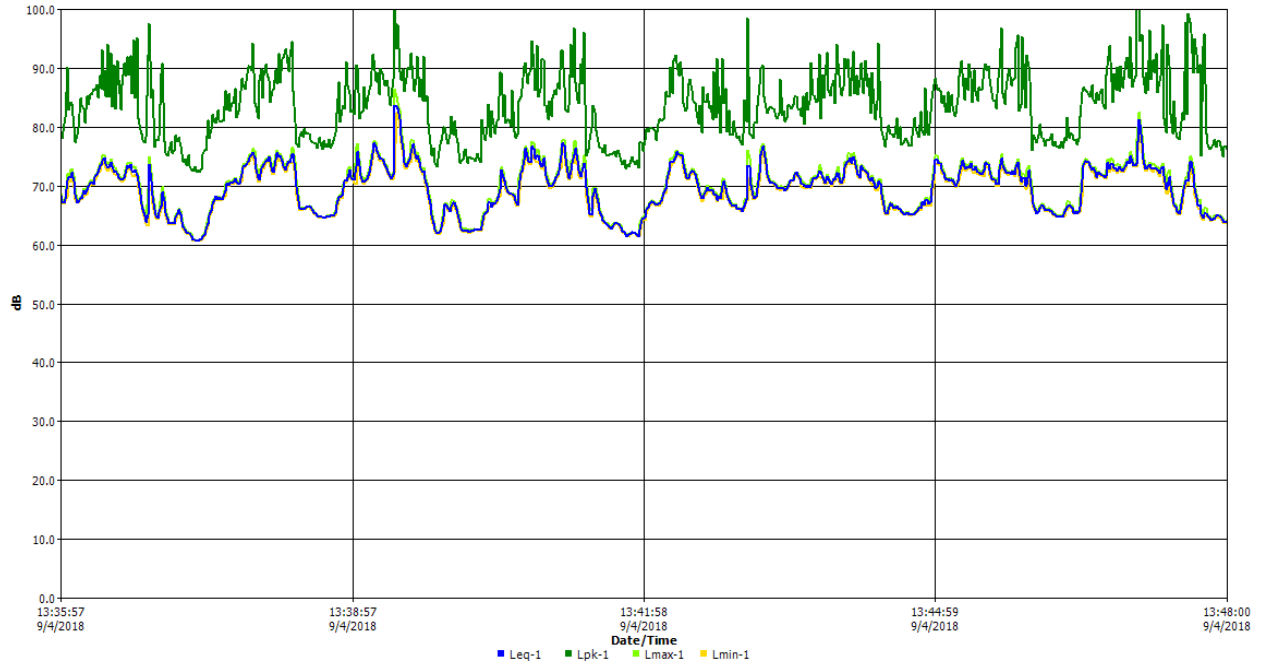
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%		77.5	76.5	75.8	75.3	75.1	74.8	74.6	74.4	74.2
10%	74.1	74	73.9	73.8	73.7	73.6	73.4	73.3	73.2	73.1
20%	73.1	73	72.9	72.8	72.7	72.6	72.5	72.4	72.3	72.2
30%	72.1	72	71.9	71.8	71.7	71.6	71.5	71.4	71.3	71.2
40%	71.1	71	71	70.9	70.8	70.7	70.6	70.5	70.4	70.3
50%	70.2	70.1	69.9	69.8	69.6	69.4	69.3	69.1	68.8	68.6
60%	68.4	68.1	68	67.8	67.6	67.5	67.3	67.1	66.9	66.8
70%	66.7	66.5	66.4	66.3	66.2	66	65.9	65.8	65.7	65.5
80%	65.4	65.3	65.2	65.1	65	64.8	64.7	64.6	64.5	64.3
90%	64	63.7	63.4	63.1	62.6	62.4	62.1	61.9	61.6	61.3
100%	60.4									

Logged Data Chart



3. Mariposa Ave.

9/4/2018

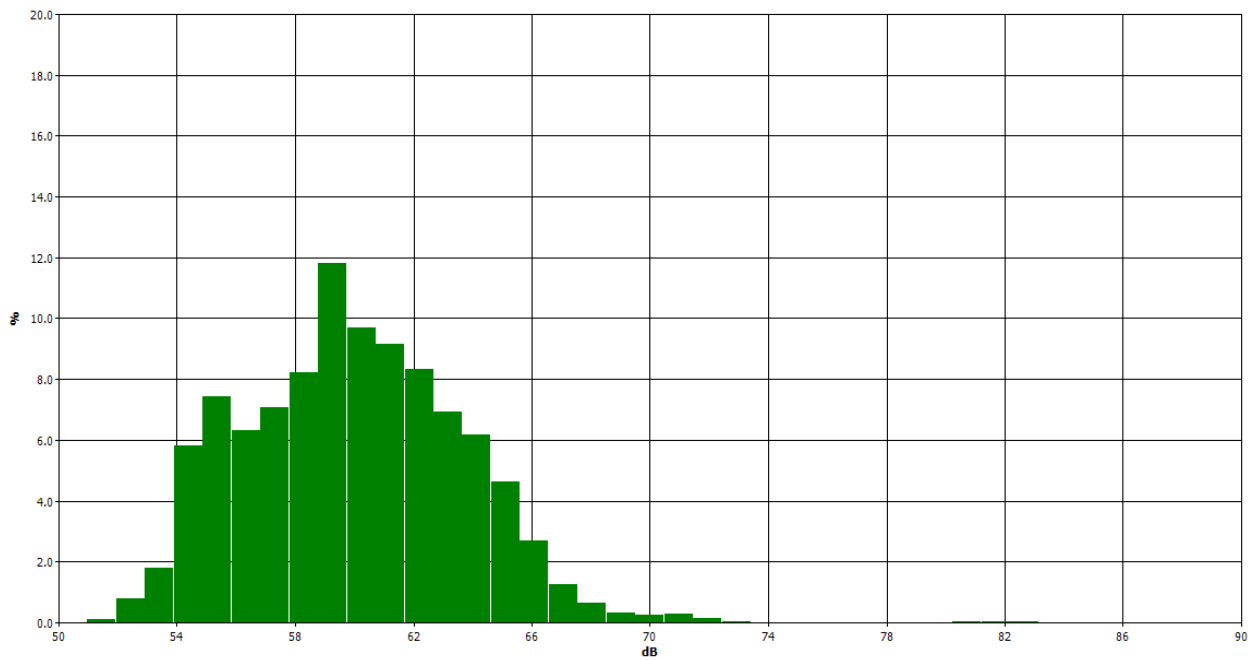
Information Panel

Name S632_BIJ050019_10092018_153408
Start Time Tuesday, September 4, 2018, 1:52pm
Stop Time Tuesday, September 4, 2018, 2:07pm
Device Model Type SoundPro DL

General Data Panel

<u>Description</u>	<u>Meter</u>	<u>Value</u>	<u>Description</u>	<u>Meter</u>	<u>Value</u>
Leq	1	62.2dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

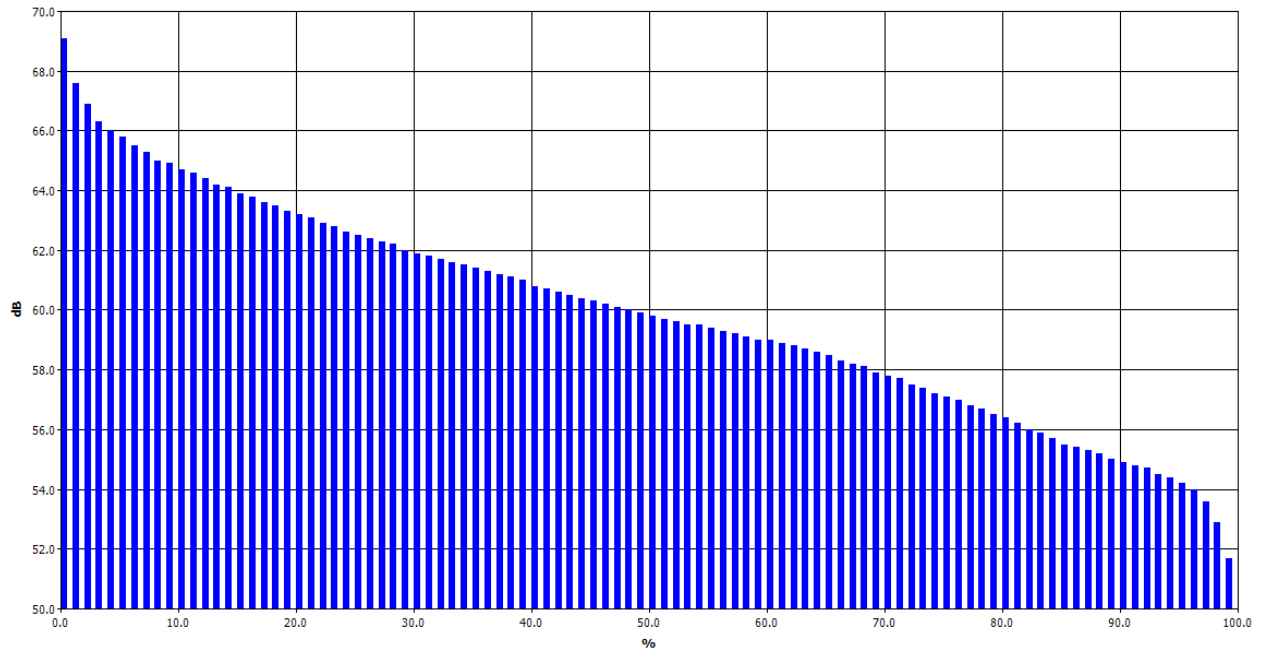
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.11
52	0.06	0.08	0.14	0.07	0.13	0.08	0.06	0.05	0.05	0.07	0.78
53	0.18	0.17	0.04	0.11	0.14	0.19	0.12	0.30	0.21	0.32	1.78
54	0.29	0.40	0.46	0.57	0.59	0.59	0.53	0.73	0.80	0.84	5.80
55	0.88	0.86	0.73	0.82	0.87	0.78	0.66	0.60	0.59	0.65	7.45
56	0.61	0.64	0.44	0.65	0.65	0.67	0.71	0.65	0.70	0.60	6.33
57	0.70	0.68	0.63	0.83	0.73	0.72	0.68	0.71	0.75	0.65	7.06
58	0.76	0.74	0.78	0.77	0.69	0.93	0.76	0.85	0.94	1.03	8.24
59	1.15	1.44	0.96	1.02	1.18	1.26	1.46	1.06	1.15	1.13	11.82
60	1.02	0.93	0.99	1.01	0.92	0.99	0.93	1.09	0.95	0.87	9.71
61	0.78	0.78	0.84	0.97	0.89	0.88	0.87	1.13	1.05	0.96	9.16
62	0.93	0.98	0.82	0.52	0.95	0.89	0.95	0.87	0.69	0.75	8.35
63	0.69	0.74	0.74	0.63	0.77	0.70	0.61	0.71	0.65	0.67	6.93
64	0.62	0.66	0.70	0.66	0.66	0.58	0.54	0.56	0.56	0.64	6.18
65	0.65	0.68	0.59	0.38	0.38	0.39	0.45	0.41	0.37	0.33	4.63
66	0.29	0.47	0.36	0.33	0.23	0.22	0.21	0.18	0.17	0.21	2.69
67	0.18	0.14	0.11	0.13	0.11	0.10	0.16	0.15	0.12	0.06	1.25
68	0.08	0.07	0.12	0.06	0.09	0.05	0.04	0.05	0.04	0.06	0.64
69	0.05	0.03	0.04	0.02	0.03	0.04	0.02	0.03	0.03	0.03	0.31
70	0.02	0.02	0.02	0.03	0.04	0.03	0.02	0.02	0.02	0.03	0.25
71	0.02	0.03	0.04	0.04	0.04	0.03	0.02	0.01	0.02	0.02	0.27
72	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.14
73	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03
83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

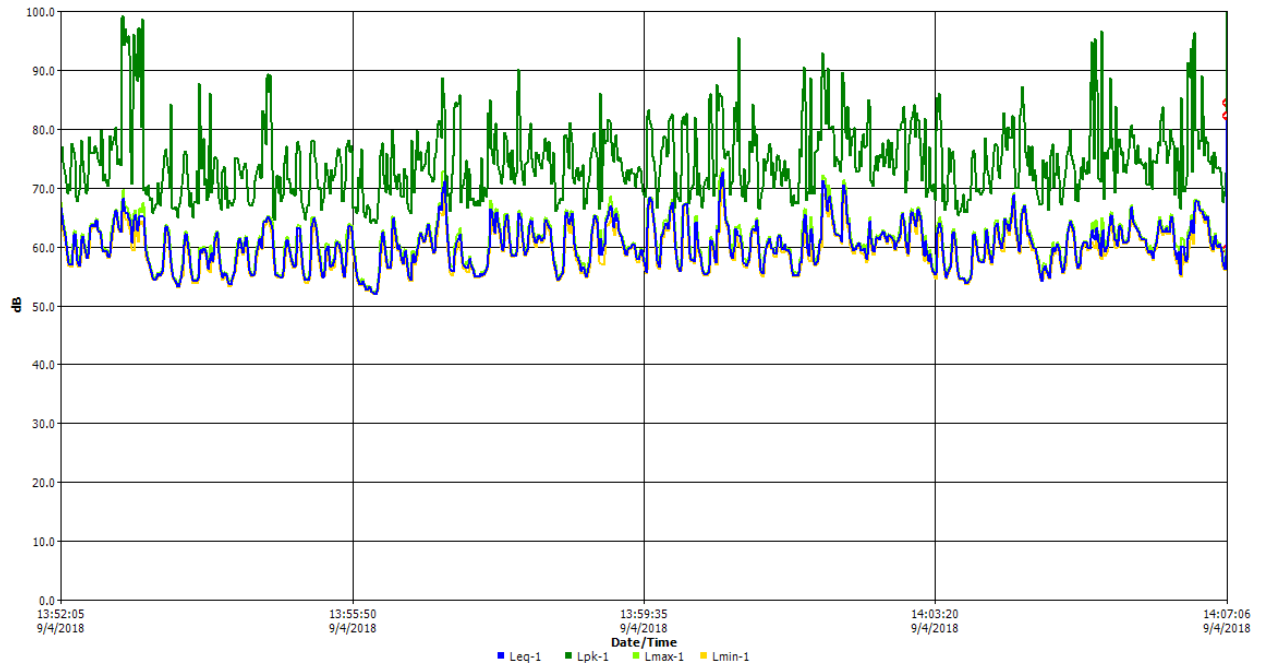
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%	69.1	67.6	66.9	66.3	66	65.8	65.5	65.3	65	
10%	64.9	64.7	64.6	64.4	64.2	64.1	63.9	63.8	63.6	63.5
20%	63.3	63.2	63.1	62.9	62.8	62.6	62.5	62.4	62.3	62.2
30%	62	61.9	61.8	61.7	61.6	61.5	61.4	61.3	61.2	61.1
40%	61	60.8	60.7	60.6	60.5	60.4	60.3	60.2	60.1	60
50%	59.9	59.8	59.7	59.6	59.5	59.5	59.4	59.3	59.2	59.1
60%	59	59	58.9	58.8	58.7	58.6	58.5	58.3	58.2	58.1
70%	57.9	57.8	57.7	57.5	57.4	57.2	57.1	57	56.8	56.7
80%	56.5	56.4	56.2	56	55.9	55.7	55.5	55.4	55.3	55.2
90%	55	54.9	54.8	54.7	54.5	54.4	54.2	54	53.6	52.9
100%	51.7									

Logged Data Chart



4. 7th St.
9/4/2018

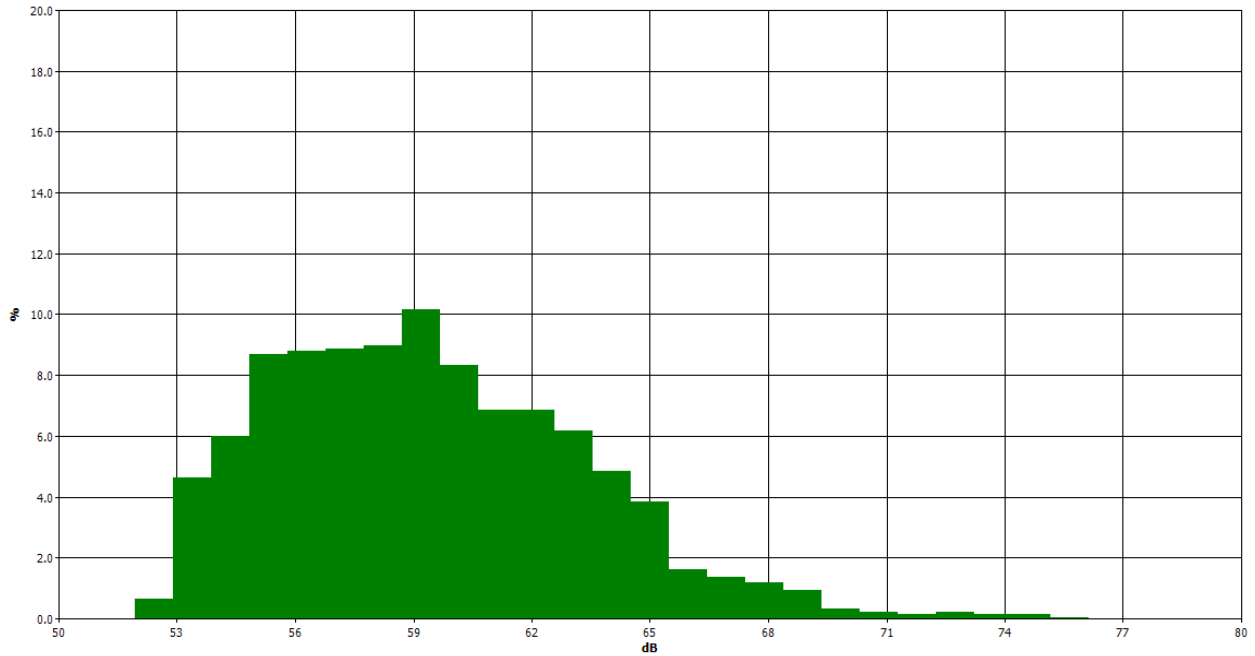
Information Panel

Name S634_BIJ050019_10092018_153409
 Start Time Tuesday, September 4, 2018, 2:13pm
 Stop Time Tuesday, September 4, 2018, 2:28pm
 Device Model Type SoundPro DL

General Data Panel

<u>Description</u>	<u>Meter</u>	<u>Value</u>	<u>Description</u>	<u>Meter</u>	<u>Value</u>
Leq	1	61.9dB	Exchange Rate	1	3dB
Weighting	1	A	Response	1	SLOW
Bandwidth	1	OFF	Exchange Rate	2	3dB
Weighting	2	C	Response	2	SLOW

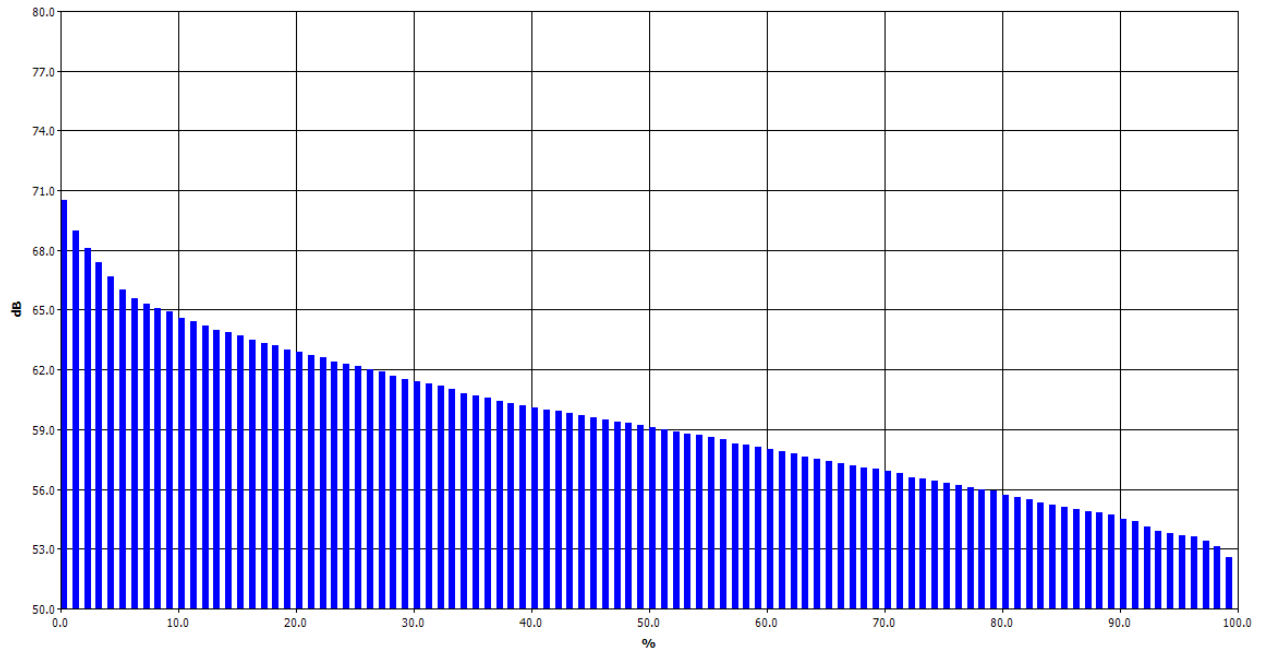
Statistics Chart



Statistics Table

dB	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.26	0.17	0.63
53	0.13	0.12	0.26	0.31	0.25	0.58	0.65	0.69	0.85	0.80	4.64
54	0.81	0.54	0.50	0.41	0.37	0.61	0.63	0.63	0.69	0.82	6.01
55	1.08	0.97	1.04	0.93	0.72	0.71	0.78	0.78	0.91	0.77	8.68
56	0.75	0.90	0.69	0.96	1.10	0.98	0.84	0.88	0.88	0.82	8.80
57	1.07	1.08	1.00	0.91	0.72	0.80	0.97	0.79	0.80	0.73	8.87
58	0.82	0.81	0.92	0.95	1.13	0.74	0.74	0.79	1.10	0.99	8.98
59	1.01	1.38	0.86	0.94	0.93	0.93	1.03	0.95	0.96	1.16	10.15
60	0.98	0.82	0.80	0.91	1.07	0.78	0.77	0.73	0.69	0.76	8.32
61	0.57	0.59	0.74	0.74	0.78	0.80	0.72	0.61	0.76	0.55	6.86
62	0.60	0.73	0.64	0.46	0.79	0.84	0.67	0.78	0.67	0.67	6.85
63	0.76	0.69	0.67	0.58	0.58	0.49	0.57	0.60	0.59	0.65	6.18
64	0.51	0.58	0.52	0.48	0.60	0.55	0.45	0.43	0.43	0.28	4.84
65	0.51	0.47	0.65	0.34	0.35	0.43	0.32	0.30	0.23	0.25	3.85
66	0.19	0.21	0.19	0.15	0.15	0.16	0.13	0.16	0.15	0.13	1.62
67	0.11	0.14	0.14	0.13	0.16	0.13	0.11	0.12	0.12	0.20	1.36
68	0.11	0.11	0.15	0.14	0.13	0.11	0.12	0.10	0.13	0.10	1.20
69	0.11	0.07	0.08	0.05	0.09	0.13	0.16	0.11	0.11	0.02	0.93
70	0.03	0.02	0.02	0.03	0.04	0.04	0.05	0.04	0.02	0.02	0.32
71	0.02	0.03	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.21
72	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.14
73	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.22
74	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.15
75	0.02	0.03	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.16
76	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

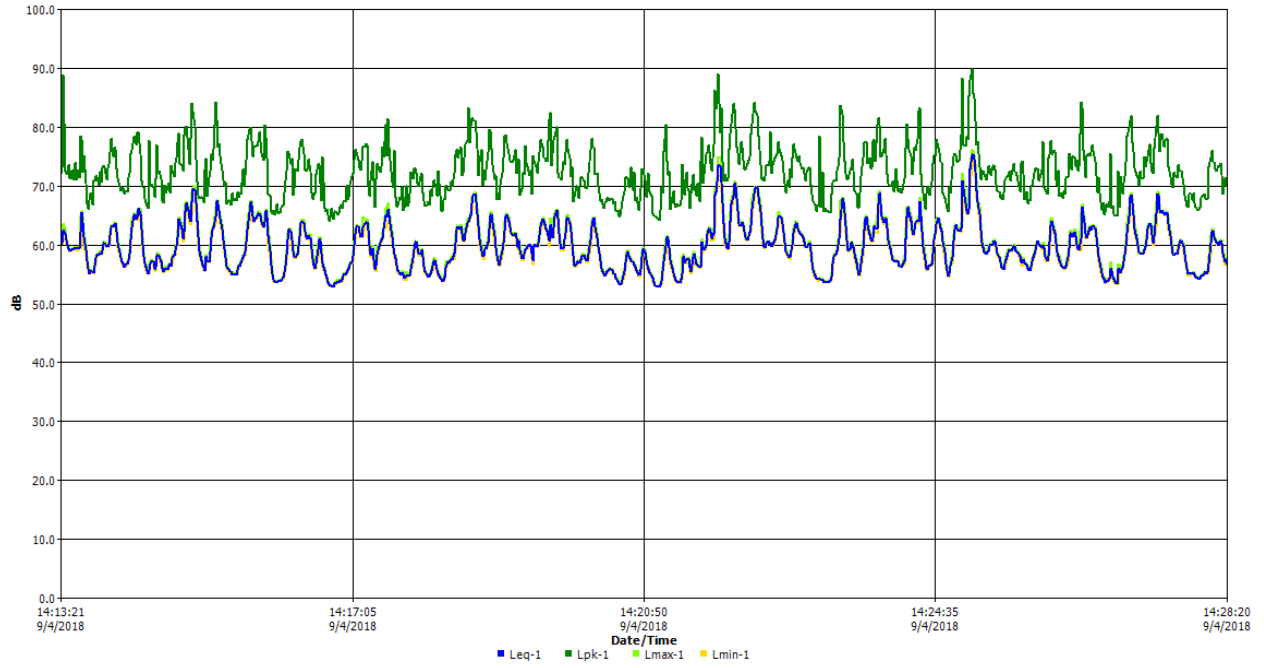
Exceedance Chart



Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%	70.5	69	68.1	67.4	66.7	66	65.6	65.3	65.1	
10%	64.9	64.6	64.4	64.2	64	63.9	63.7	63.5	63.3	63.2
20%	63	62.9	62.7	62.6	62.4	62.3	62.2	62	61.9	61.7
30%	61.5	61.4	61.3	61.2	61	60.8	60.7	60.6	60.4	60.3
40%	60.2	60.1	60	59.9	59.8	59.7	59.6	59.5	59.4	59.3
50%	59.2	59.1	59	58.9	58.8	58.7	58.6	58.5	58.3	58.2
60%	58.1	58	57.9	57.8	57.6	57.5	57.4	57.3	57.2	57.1
70%	57	56.9	56.8	56.6	56.5	56.4	56.3	56.2	56.1	56
80%	55.9	55.7	55.6	55.5	55.3	55.2	55.1	55	54.9	54.8
90%	54.7	54.5	54.4	54.1	53.9	53.8	53.7	53.6	53.4	53.1
100%	52.6									

Logged Data Chart



Construction Vibration - PPV

Receptor: Parking Structure - 680 S. Mariposa Ave.

Equipment: Large Dozer, Auger Drill

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	65
Unmitigated Vibration Level (in/sec)	0.021

Receptor: Mariposa Avenue Residences

Equipment: Large Dozer, Auger Drill

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	65
Unmitigated Vibration Level (in/sec)	0.021

Receptor: 7th Street Residences

Equipment: Large Dozer, Auger Drill

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	65
Unmitigated Vibration Level (in/sec)	0.021

Sources

California Department of Transportation (Caltrans), *Transportation and Construction Vibration Guidance Manual*, September 2013.

Federal Transit Administration (FTA), *Transit Noise and Vibration Impact Assessment*, May 2006.

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning													
Noah Tanski													

13 September 2018
 TNM 2.5
 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	Central Plaza												
RUN:	X11: AM Ex + Project												
BARRIER DESIGN:	INPUT HEIGHTS												
ATMOSPHERICS:	68 deg F, 50% RH												

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

Receiver													
Name	No.	#DUs	Existing	No Barrier	Crit'n	Increase over existing	Type	With Barrier					
			LAeq1h	LAeq1h				Calculated	Crit'n	Impact	Calculated	Noise Reduction	Goal
				Calculated		Calculated							
			dB	dB	dB	dB		dB	dB	dB	dB	dB	dB

E of Mariposa	1	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
W of Mariposa	2	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min dB	Avg dB	Max dB
All Selected	2	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X11: AM Ex										
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0
W of Mariposa	2	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min dB	Avg dB	Max dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X11: AM Future + Project										
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	64.0	66	64.0	10	----	64.0	0.0	8	-8.0
W of Mariposa	2	1	0.0	63.9	66	63.9	10	----	63.9	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning														
Noah Tanski														

13 September 2018
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	Central Plaza													
RUN:	X11: AM Future													
BARRIER DESIGN:	INPUT HEIGHTS													
ATMOSPHERICS:	68 deg F, 50% RH													

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

Receiver Name	No.	#DUs	Receiver					With Barrier					
			Existing LAeq1h	No Barrier LAeq1h	Crit'n	Increase over existing Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal	
			Calculated	Calculated						Calculated	Goal		
			dB	dB	dB	dB	dB		dB	dB	dB	dB	
E of Mariposa	1	1	0.0	63.9	66	63.9	10	----	63.9	0.0	8	-8.0	
W of Mariposa	2	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0	

Dwelling Units	# DUs	Noise Reduction		
		Min dB	Avg dB	Max dB
All Selected	2	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X11: PM Existing + Project										
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
W of Mariposa	2	1	0.0	63.5	66	63.5	10	----	63.5	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X11: PM Existing										
BARRIER DESIGN:		INPUT HEIGHTS										
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0
W of Mariposa	2	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min dB	Avg dB	Max dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X11: PM Future + Project										
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.9	66	63.9	10	----	63.9	0.0	8	-8.0
W of Mariposa	2	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min dB	Avg dB	Max dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018							
Noah Tanski						TNM 2.5							
						Calculated with TNM 2.5							
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Central Plaza											
RUN:		X11: PM Future											
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction			Calculated minus Goal
										Calculated	Goal	Calculated	
			dB	dB	dB	dB	dB		dB	dB	dB	dB	
E of Mariposa	1	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0	
W of Mariposa	2	1	0.0	63.7	66	63.7	10	----	63.7	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X12: AM Existing + Project										
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	62.9	66	62.9	10	----	62.9	0.0	8	-8.0
S of Mariposa	2	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning													
Noah Tanski													

13 September 2018
 TNM 2.5
 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	Central Plaza												
RUN:	X12: AM Ex												
BARRIER DESIGN:	INPUT HEIGHTS												
ATMOSPHERICS:	68 deg F, 50% RH												

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

Receiver												
Name	No.	#DUs	Existing	No Barrier	Crit'n	Increase over existing	Type	With Barrier				
			LAeq1h	LAeq1h				Calculated	Crit'n	Calculated	Noise Reduction	Calculated
				Calculated		Calculated	Impact	LAeq1h	Calculated	Goal	Calculated	minus
			dB	dB	dB	dB		dB	dB	dB	dB	Goal

E of Mariposa	1	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0
S of Mariposa	2	1	0.0	62.4	66	62.4	10	----	62.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	2	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X12: AM Future + Project										
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0
S of Mariposa	2	1	0.0	63.0	66	63.0	10	----	63.0	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning													
Noah Tanski													

13 September 2018
 TNM 2.5
 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	Central Plaza												
RUN:	X12: AM Future												
BARRIER DESIGN:	INPUT HEIGHTS												
ATMOSPHERICS:	68 deg F, 50% RH												

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

Receiver													
Name	No.	#DUs	Existing	No Barrier	Crit'n	Increase over existing	Type	With Barrier					
			LAeq1h	LAeq1h				Calculated	Crit'n	Calculated	Noise Reduction	Calculated	Goal
				Calculated		Calculated	Sub'l Inc	Impact	LAeq1h	Calculated	Goal	Calculated	minus
			dB	dB	dB	dB	dB		dB	dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.2	66	63.2	10	----	63.2	0.0	8	-8.0	
S of Mariposa	2	1	0.0	62.9	66	62.9	10	----	62.9	0.0	8	-8.0	

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	2	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X12: PM Existing + Project										
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.0	66	63.0	10	----	63.0	0.0	8	-8.0
S of Mariposa	2	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning													
Noah Tanski													

13 September 2018
 TNM 2.5
 Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	Central Plaza												
RUN:	X12: PM Existing												
BARRIER DESIGN:	INPUT HEIGHTS												
ATMOSPHERICS:	68 deg F, 50% RH												

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

Receiver													
Name	No.	#DUs	Existing	No Barrier	Crit'n	Increase over existing	Type	With Barrier					
			LAeq1h	LAeq1h				Calculated	Crit'n	Impact	Calculated	Noise Reduction	Goal
				Calculated		Calculated							
			dB	dB	dB	dB		dB	dB	dB	dB	dB	dB
E of Mariposa	1	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0	
S of Mariposa	2	1	0.0	62.4	66	62.4	10	----	62.4	0.0	8	-8.0	

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	2	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X12: PM Future + Project										
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
E of Mariposa	1	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0
S of Mariposa	2	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018							
Noah Tanski						TNM 2.5							
						Calculated with TNM 2.5							
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Central Plaza											
RUN:		X12: PM Future											
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction			Calculated minus Goal
										Calculated	Goal	Calculated minus Goal	
			dB	dB	dB	dB	dB		dB	dB	dB	dB	
E of Mariposa	1	1	0.0	63.2	66	63.2	10	----	63.2	0.0	8	-8.0	
S of Mariposa	2	1	0.0	63.7	66	63.7	10	----	63.7	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018							
Noah Tanski						TNM 2.5							
						Calculated with TNM 2.5							
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Central Plaza											
RUN:		X6: AM Existing + Project											
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.						
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction			Calculated minus Goal
										Calculated	Goal	Calculated minus Goal	
			dB	dB	dB	dB	dB		dB	dB	dB	dB	
S of 7th St	1	1	0.0	60.3	66	60.3	10	----	60.3	0.0	8	-8.0	
N of 7th St	2	1	0.0	61.4	66	61.4	10	----	61.4	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning													13 September 2018	
Noah Tanski													TNM 2.5	
													Calculated with TNM 2.5	
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:			Central Plaza											
RUN:			X6: AM Existing											
BARRIER DESIGN:			INPUT HEIGHTS											
													Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.	
ATMOSPHERICS:			68 deg F, 50% RH											
Receiver														
Name		No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier					
							Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal	
								Sub'l Inc			Calculated	Goal	Calculated minus Goal	
				dB	dB	dB	dB	dB		dB	dB	dB	dB	
S of 7th St		1	1	0.0	60.2	66	60.2	10	----	60.2	0.0	8	-8.0	
N of 7th St		2	1	0.0	61.3	66	61.3	10	----	61.3	0.0	8	-8.0	
Dwelling Units			# DUs	Noise Reduction										
				Min	Avg	Max								
				dB	dB	dB								
All Selected			2	0.0	0.0	0.0								
All Impacted			0	0.0	0.0	0.0								
All that meet NR Goal			0	0.0	0.0	0.0								

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X6: AM Future + Project										
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
S of 7th St	1	1	0.0	60.9	66	60.9	10	----	60.9	0.0	8	-8.0
N of 7th St	2	1	0.0	62.0	66	62.0	10	----	62.0	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X6: AM Future										
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing		With Barrier				
						Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
							Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
S of 7th St	1	1	0.0	60.8	66	60.8	10	----	60.8	0.0	8	-8.0
N of 7th St	2	1	0.0	61.8	66	61.8	10	----	61.8	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018						
Noah Tanski						TNM 2.5						
						Calculated with TNM 2.5						
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Central Plaza										
RUN:		X6: PM Existing + Project										
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier			
									Calculated LAeq1h	Noise Reduction		Calculated minus Goal
										Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
S of 7th St	1	1	0.0	62.5	66	62.5	10	----	62.5	0.0	8	-8.0
N of 7th St	2	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018							
Noah Tanski						TNM 2.5							
						Calculated with TNM 2.5							
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Central Plaza											
RUN:		X6: PM Existing											
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.						
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction			Calculated minus Goal
										Calculated	Goal	Calculated	
			dB	dB	dB	dB	dB		dB	dB	dB	dB	
S of 7th St	1	1	0.0	62.3	66	62.3	10	----	62.3	0.0	8	-8.0	
N of 7th St	2	1	0.0	63.1	66	63.1	10	----	63.1	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018							
Noah Tanski						TNM 2.5							
						Calculated with TNM 2.5							
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Central Plaza											
RUN:		X6: PM Future + Project											
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.						
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction			Calculated minus Goal
										Calculated	Goal	Calculated minus Goal	
			dB	dB	dB	dB	dB		dB	dB	dB	dB	
S of 7th St	1	1	0.0	62.9	66	62.9	10	----	62.9	0.0	8	-8.0	
N of 7th St	2	1	0.0	63.7	66	63.7	10	----	63.7	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

RESULTS: SOUND LEVELS

Central Plaza

DKA Planning						13 September 2018							
Noah Tanski						TNM 2.5							
						Calculated with TNM 2.5							
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Central Plaza											
RUN:		X6: PM Future											
BARRIER DESIGN:		INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction			Calculated minus Goal
										Calculated	Goal	Calculated	
			dB	dB	dB	dB	dB		dB	dB	dB	dB	
S of 7th St	1	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0	
N of 7th St	2	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								