

---

**APPENDIX E**

**Noise Study**



Summary  
 Filename 831\_Data.040  
 Serial Number 3171  
 Model Model 831  
 Firmware Version 2.310  
 User  
 Location  
 Job Description  
 Note  
 Measurement Description  
 Start 2016/12/13 8:07:11  
 Stop 2016/12/13 8:22:16  
 Duration 0:15:05.3  
 Run Time 0:15:05.3  
 Pause 0:00:00.0  
 Pre Calibration 2015/12/10 6:55:39  
 Post Calibration None  
 Calibration Deviation ---

Overall Settings  
 RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamp PRM831  
 Microphone Correction Off  
 Integration Method Linear  
 OBA Range Low  
 OBA Bandwidth 1/1 and 1/3  
 OBA Freq. Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Gain 20.0 dB  
 Overload 123.9 dB  
 Under Range Peak A C Z  
 Under Range Limit 56.5 53.5 58.5 dB  
 24.7 25.1 32.2 dB  
 Noise Floor 15.5 15.9 20.9 dB

Results  
 LAeq 72.1 dB  
 LAE 101.8 dB  
 EA 1.673 mPa<sup>2</sup>h  
 LApeak (max) 2016/12/13 8:15:55 99.6 dB  
 LASmax 2016/12/13 8:15:55 86.0 dB  
 LASmin 2016/12/13 8:17:06 67.6 dB  
 SEA -99.9 dB  
 LAS > 65.0 dB (Exceedence Counts / Duration) 1 905.2 s  
 LAS > 85.0 dB (Exceedence Counts / Duration) 1 2.0 s  
 LApeak > 135.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 137.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 140.0 dB (Exceedence Counts / Duration) 0 0.0 s

Community Noise  
 Ldn LDay 07:00-22:00 LNight 22:00-07:00 Lden LDay 07:00-19:00 LEvening 19:00-22:00 LNight 22:00-07:00  
 72.2 72.2 -99.9 72.2 72.2 -99.9 -99.9  
 LLeq 79.2 dB  
 LAeq 72.2 dB  
 LLeq - LAeq 7.0 dB  
 LAeq 73.1 dB  
 LAeq 72.2 dB  
 LLeq - LAeq 0.9 dB  
 # Overloads 0  
 Overload Duration 0.0 s  
 # OBA Overloads  
 OBA Overload Duration 903.2 s

Statistics  
 LAS1.67 78.1 dB  
 LAS8.33 75.7 dB  
 LAS25.00 72.4 dB  
 LAS33.30 71.0 dB  
 LAS50.00 69.9 dB  
 LAS90.00 68.8 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4	27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1	
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5	27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0	
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5	41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0	
Direct	2015/12/08 6:55:30	-26.5	62.7	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9	42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0		
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	43.1	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2	32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0	
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9	26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0	
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3	28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9	
Direct	2015/12/02 6:56:51	-26.6	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5	28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0		
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1	34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0	
Direct	2015/12/01 6:52:05	-26.5	44.0	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9	35.5	28.1	27.9	27.4	26.2	24.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4		
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1	27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0	
PRM831	2016/12/13 8:02:53	-26.5	63.0	57.4	63.2	59.7	51.0	48.2	49.6	50.0	54.1	52.1	48.3	46.8	34.7	39.3	32.2	30.7	29.6	29.8	26.4	25.7	26.0	30.4	114.0	48.8	28.1	64.7	29.9	59.2	33.3	33.2	34.4	35.5	36.9	37.6	39.1	
PRM831	2016/11/20 20:35:48	-26.5	48.0	57.5	55.3	53.3	51.2	46.4	49.3	50.4	48.3	50.7	58.0	54.0	49.6	47.3	42.6	47.5	54.9	54.9	48.3	41.6	35.4	31.7	114.0	49.0	27.9	65.0	30.6	59.0	33.4	34.0	34.3	35.7	36.7	38.0	38.7	
PRM831	2016/11/20 20:35:33	-26.5	56.7	57.4	59.8	54.1	54.2	46.9	49.5	46.2	47.5	51.7	53.3	47.4	48.6	46.2	43.0	40.1	38.2	39.9	36.6	34.9	34.7	30.7	113.9	48.9	28.6	64.8	30.2	58.9	33.3	33.2	34.5	35.3	36.9	37.7	39.0	
PRM831	2016/11/04 8:01:59	-26.4	61.8	59.8	54.0	61.8	50.6	50.9	45.0	43.2	47.6	44.8	39.4	35.0	36.0	31.2	26.6	24.0	25.5	23.4	23.8	25.5	25.3	29.9	114.0	49.0	28.1	65.1	30.3	58.9	32.9	33.7	34.2	35.2	36.6	37.6	38.9	
PRM831	2016/11/04 8:01:45	-26.4	52.3	51.5	62.1	56.5	54.7	45.8	47.6	49.0	39.6	35.0	38.8	33.6	32.8	32.2	29.4	25.9	23.2	22.1	23.0	24.8	25.8	29.8	114.1	49.1	28.6	65.1	29.8	59.0	32.9	33.1	34.5	35.6	36.6	38.0	38.7	
PRM831	2016/11/03 11:44:22	-26.5	54.5	44.9	41.6	42.5	36.1	44.4	47.3	65.0	57.7	57.7	52.0	44.0	38.7	36.6	33.8	35.6	34.2	35.3	46.2	38.4	36.7	114.0	48.8	30.6	64.8	30.2	59.2	33.3	33.7	34.3	35.8	37.3	37.7	39.0		
PRM831	2016/11/03 11:44:07	-26.5	51.3	69.1	49.3	51.7	48.7	50.5	52.2	52.7	59.4	60.6	47.2	48.2	52.1	47.6	41.7	40.9	41.4	35.8	33.8	31.9	26.3	30.5	113.9	48.9	28.1	64.6	30.4	59.1	32.9	34.0	34.5	35.8	36.6	37.7	38.8	
PRM831	2016/10/26 6:53:03	-26.4	50.1	50.1	48.8	48.8	51.8	41.6	53.2	47.7	49.0	54.8	60.2	63.7	53.4	44.5	47.4	51.6	52.1	51.8	52.4	54.2	52.8	48.1	114.0	49.8	44.0	64.6	32.1	59.2	33.3	33.5	33.8	35.5	36.9	37.8	38.8	
PRM831	2016/10/08 18:21:08	-26.4	65.1	58.1	72.7	61.6	57.5	52.6	53.7	54.0	61.8	62.2	53.3	51.6	47.3	44.7	43.4	41.5	40.3	40.2	35.3	29.1	29.6	30.9	114.0	49.0	28.2	64.6	29.8	59.3	33.1	33.8	33.9	35.4	36.8	38.0	39.0	
PRM831	2016/10/08 18:20:50	-26.4	61.0	67.2	61.7	61.7	54.2	53.8	53.3	56.0	60.1	57.2	53.4	48.0	45.3	47.6	46.3	40.6	41.2	40.9	42.7	43.0	31.4	31.5	114.1	49.2	28.8	64.7	29.7	59.4	33.3	33.9	34.6	35.6	36.7	38.1	39.0	
PRM831	2016/10/06 6:52:12	-26.5	61.6	50.9	59.8	49.3	45.8	41.0	41.8	53.5	54.7	50.3	50.6	55.7	56.5	57.6	56.6	52.1	54.4	54.8	51.4	45.0	32.8	33.8	114.0	48.7	32.2	65.3	30.8	60.0	32.5	34.3	34.5	35.6	36.8	38.2	38.9	
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9	47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1		
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4	24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3	



Summary  
 Filename 831\_Data.041  
 Serial Number 3171  
 Model Model 831  
 Firmware Version 2.310  
 User  
 Location  
 Job Description  
 Note  
 Measurement Description  
 Start 2016/12/13 8:23:59  
 Stop 2016/12/13 8:39:56  
 Duration 0:15:57.0  
 Run Time 0:15:57.0  
 Pause 0:00:00.0  
 Pre Calibration 2015/12/10 6:55:39  
 Post Calibration None  
 Calibration Deviation ---

Overall Settings  
 RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamp PRM831  
 Microphone Correction Off  
 Integration Method Linear  
 OBA Range Low  
 OBA Bandwidth 1/1 and 1/3  
 OBA Freq. Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Gain 20.0 dB  
 Overload 123.9 dB  
 Under Range Peak A C Z  
 Under Range Limit 56.5 53.5 58.5 dB  
 24.7 25.1 32.2 dB  
 Noise Floor 15.5 15.9 20.9 dB

Results  
 LAeq 70.5 dB  
 LAE 100.3 dB  
 EA 1.204 mPa<sup>2</sup>h  
 LApeak (max) 2016/12/13 8:35:14 124.9 dB  
 LASmax 2016/12/13 8:35:14 87.8 dB  
 LASmin 2016/12/13 8:32:43 60.2 dB  
 SEA 134.9 dB  
 LAS > 65.0 dB (Exceedence Counts / Duration) 13 837.5 s  
 LAS > 85.0 dB (Exceedence Counts / Duration) 1 1.2 s  
 LApeak > 135.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 137.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 140.0 dB (Exceedence Counts / Duration) 0 0.0 s

Community Noise  
 Ldn LDay 07:00-22:00 LNight 22:00-07:00 Lden LDay 07:00-19:00 LEvening 19:00-22:00 LNight 22:00-07:00  
 70.5 70.5 -99.9 70.5 70.5 -99.9 -99.9  
 LLeq 78.3 dB  
 LAeq 70.5 dB  
 LLeq - LAeq 7.8 dB  
 LAeq 76.3 dB  
 LAeq 70.5 dB  
 LLeq - LAeq 5.7 dB  
 # Overloads  
 Overload Duration 2.0 s  
 # OBA Overloads  
 OBA Overload Duration 826.4 s

Statistics  
 LAS1.67 76.8 dB  
 LAS8.33 74.5 dB  
 LAS25.00 71.4 dB  
 LAS33.30 70.3 dB  
 LAS50.00 68.2 dB  
 LAS90.00 63.3 dB

Calibration History  
 Preamp Date dB re. 1V/Pa  
 PRM831 2015/12/10 6:55:39 -26.5 64.2 75.9 51.3  
 Direct 2015/12/09 6:53:58 -26.5 39.4 32.9 46.8  
 Direct 2015/12/08 6:55:44 -26.5 53.9 58.0 42.7  
 Direct 2015/12/08 6:55:30 -26.5 62.7 47.1 48.6  
 Direct 2015/12/07 6:55:22 -26.6 56.5 56.1 42.8  
 Direct 2015/12/04 6:53:54 -26.6 56.3 42.9 45.0  
 Direct 2015/12/02 6:57:05 -26.6 51.4 44.5 49.5  
 Direct 2015/12/02 6:56:51 -26.6 54.3 48.3 44.4  
 Direct 2015/12/01 6:52:19 -26.5 62.7 60.6 56.9  
 Direct 2015/12/01 6:52:05 -26.5 44.0 43.8 47.9  
 Direct 2015/11/30 6:52:18 -26.6 49.0 32.8 40.7  
 PRM831 2016/12/13 8:02:53 -26.5 63.0 57.4 63.2  
 PRM831 2016/11/20 20:35:48 -26.5 48.0 57.5 55.3  
 PRM831 2016/11/20 20:35:33 -26.5 56.7 57.4 59.8  
 PRM831 2016/11/04 8:01:59 -26.4 61.8 59.8 54.0  
 PRM831 2016/11/04 8:01:45 -26.4 52.3 51.5 62.1  
 PRM831 2016/11/03 11:44:22 -26.5 56.3 54.5 44.9  
 PRM831 2016/11/03 11:44:07 -26.5 51.3 69.1 49.3  
 PRM831 2016/10/26 6:53:03 -26.4 50.1 50.1 58.8  
 PRM831 2016/10/08 18:21:08 -26.4 65.1 58.1 72.7  
 PRM831 2016/10/08 18:20:50 -26.4 61.0 67.2 67.9  
 PRM831 2016/10/06 6:52:12 -26.5 61.6 50.9 59.8  
 Unknown 2015/08/25 6:57:04 -26.4 40.8 33.8 36.9  
 Unknown 2015/08/25 6:56:50 -26.4 49.6 50.7 46.8

Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4	27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1	
2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5	27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0	
2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5	41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0	
2015/12/08 6:55:30	-26.5	62.7	47.1	48.6	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9	42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0	
2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2	32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0	
2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9	26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0	
2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3	28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9	
2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5	28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0	
2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1	34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0	
2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9	35.5	28.1	27.9	27.4	26.2	24.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4	
2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1	27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0	
2016/12/13 8:02:53	-26.5	63.0	57.4	63.2	59.7	51.0	48.2	49.6	50.0	54.1	52.1	48.3	46.8	34.7	39.3	32.2	30.7	29.6	29.8	26.4	25.7	26.0	30.4	114.0	48.8	28.1	64.7	29.9	59.2	33.3	33.2	34.4	35.5	36.9	37.6	39.1	
2016/11/20 20:35:48	-26.5	48.0	57.5	55.3	53.3	51.2	46.4	49.3	50.4	48.3	50.7	58.0	54.0	49.6	47.3	42.6	47.5	54.9	54.9	48.3	41.6	35.4	31.7	114.0	49.0	27.9	65.0	30.6	59.0	33.4	34.0	34.3	35.7	36.7	38.0	38.7	
2016/11/20 20:35:33	-26.5	56.7	57.4	59.8	54.1	54.2	46.9	49.5	46.2	47.5	51.7	53.3	47.4	48.6	46.2	43.0	40.1	38.2	39.9	36.6	34.9	34.7	30.7	113.9	48.9	28.6	64.8	30.2	58.9	33.3	33.2	34.5	35.3	36.9	37.7	39.0	
2016/11/04 8:01:59	-26.4	61.8	59.8	54.0	61.8	50.6	50.9	45.0	43.2	47.6	44.8	39.4	35.0	36.0	31.2	26.6	24.0	25.5	23.4	23.8	25.5	25.3	29.9	114.0	49.0	28.1	65.1	30.3	58.9	32.9	33.7	34.2	35.2	36.6	37.6	38.9	
2016/11/04 8:01:45	-26.4	52.3	51.5	62.1	56.5	54.7	45.8	47.6	49.0	39.6	35.0	38.8	33.6	32.8	32.2	29.4	25.9	23.2	22.1	23.0	24.8	25.8	29.8	114.1	49.1	28.6	65.1	29.8	59.0	32.9	33.1	34.5	35.6	36.6	38.0	38.7	
2016/11/03 11:44:22	-26.5	56.3	54.5	44.9	41.6	42.5	36.1	44.4	47.3	65.0	57.7	57.7	52.0	44.0	38.7	36.6	33.8	35.6	34.2	35.3	46.2	38.4	36.7	114.0	48.8	30.6	64.8	30.2	59.2	33.3	33.7	34.3	35.8	37.3	37.7	39.0	
2016/11/03 11:44:07	-26.5	51.3	69.1	49.3	51.7	48.7	50.5	52.2	52.7	59.4	60.6	47.2	48.2	52.1	47.6	41.7	40.9	41.4	35.8	33.8	31.9	26.3	30.5	113.9	48.9	28.1	64.6	30.4	59.1	32.9	34.0	34.5	35.8	36.6	37.7	38.8	
2016/10/26 6:53:03	-26.4	50.1	50.1	58.8	48.8	51.8	41.6	53.2	47.7	49.0	54.8	60.2	63.7	53.4	44.5	47.4	51.6	52.1	51.8	52.4	54.2	52.8	48.1	114.0	49.8	44.0	64.6	32.1	59.2	33.3	33.5	33.8	35.5	36.9	37.8	38.8	
2016/10/08 18:21:08	-26.4	65.1	58.1	72.7	61.6	57.5	52.6	53.7	54.0	61.8	62.2	53.3	51.6	47.3	44.7	43.4	41.5	40.3	40.2	35.3	29.1	29.6	30.9	114.0	49.0	28.2	64.6	29.8	59.3	33.1	33.8	33.9	35.4	36.8	38.0	39.0	
2016/10/08 18:20:50	-26.4	61.0	67.2	67.9	61.7	54.2	53.8	53.3	56.0	60.1	57.2	53.4	48.0	45.3	47.6	46.3	40.6	41.2	40.9	42.7	43.0	31.4	31.5	114.1	49.2	28.8	64.7	29.7	59.4	33.3	33.9	34.6	35.6	36.7	38.1	39.0	
2016/10/06 6:52:12	-26.5	61.6	50.9	59.8	49.3	45.8	41.0	41.8	53.5	54.7	50.3	50.6	55.7	56.5	57.6	56.6	52.1	54.4	54.8	51.4	45.0	32.8	33.8	114.0	48.7	32.2	65.3	30.8	60.0	32.5	34.3	34.5	35.6	36.8	38.2	38.9	
2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9	47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1	
2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4	24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3	



Summary  
 Filename 831\_Data.042  
 Serial Number 3171  
 Model Model 831  
 Firmware Version 2.310  
 User  
 Location  
 Job Description  
 Note  
 Measurement Description  
 Start 2016/12/13 8:44:34  
 Stop 2016/12/13 9:00:12  
 Duration 0:15:37.8  
 Run Time 0:15:37.8  
 Pause 0:00:00.0  
 Pre Calibration 2015/12/10 6:55:39  
 Post Calibration None  
 Calibration Deviation ---

Overall Settings  
 RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamp PRM831  
 Microphone Correction Off  
 Integration Method Linear  
 OBA Range Low  
 OBA Bandwidth 1/1 and 1/3  
 OBA Freq. Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Gain 20.0 dB  
 Overload 123.9 dB  
 Under Range Peak A C Z  
 Under Range Limit 56.5 53.5 58.5 dB  
 24.7 25.1 32.2 dB  
 Noise Floor 15.5 15.9 20.9 dB

Results  
 LAeq 58.8 dB  
 LAE 88.4 dB  
 EA 77.651 µPa²h  
 LApeak (max) 2016/12/13 8:47:54 113.4 dB  
 LASmax 2016/12/13 8:47:54 76.1 dB  
 LASmin 2016/12/13 8:45:46 55.6 dB  
 SEA -99.9 dB  
 LAS > 65.0 dB (Exceedence Counts / Duration) 4 12.6 s  
 LAS > 85.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 135.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 137.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 140.0 dB (Exceedence Counts / Duration) 0 0.0 s

Community Noise  
 Ldn LDay 07:00-22:00 LNight 22:00-07:00 Lden LDay 07:00-19:00 LEvening 19:00-22:00 LNight 22:00-07:00  
 58.7 58.7 -99.9 58.7 58.7 -99.9 -99.9  
 LLeq 68.2 dB  
 LAeq 58.7 dB  
 LLeq - LAeq 9.4 dB  
 LAeq 64.7 dB  
 LAeq 58.7 dB  
 LLeq - LAeq 6.0 dB  
 # Overloads 0  
 Overload Duration 0.0 s  
 # OBA Overloads 13  
 OBA Overload Duration 31.3 s

Statistics  
 LAS1.67 63.0 dB  
 LAS8.33 59.6 dB  
 LAS25.00 58.5 dB  
 LAS33.30 58.3 dB  
 LAS50.00 57.9 dB  
 LAS90.00 56.8 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
PRM831	2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4	27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1	
Direct	2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5	27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0	
Direct	2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5	41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0	
Direct	2015/12/08 6:55:30	-26.5	62.7	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9	42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0		
Direct	2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	43.1	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2	32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0	
Direct	2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9	26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0	
Direct	2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3	28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9	
Direct	2015/12/02 6:56:51	-26.6	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5	28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0		
Direct	2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1	34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0	
Direct	2015/12/01 6:52:05	-26.5	44.0	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9	35.5	28.1	27.9	27.4	26.2	24.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4		
Direct	2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1	27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0	
PRM831	2016/12/13 8:02:53	-26.5	63.0	57.4	63.2	59.7	51.0	48.2	49.6	50.0	54.1	52.1	48.3	46.8	34.7	39.3	32.2	30.7	29.6	29.8	26.4	25.7	26.0	30.4	114.0	48.8	28.1	64.7	29.9	59.2	33.3	33.2	34.4	35.5	36.9	37.6	39.1	
PRM831	2016/11/20 20:35:48	-26.5	48.0	57.5	55.3	53.3	51.2	46.4	49.3	50.4	48.3	50.7	58.0	54.0	49.6	47.3	42.6	47.5	54.9	54.9	48.3	41.6	35.4	31.7	114.0	49.0	27.9	65.0	30.6	59.0	33.4	34.0	34.3	35.7	36.7	38.0	38.7	
PRM831	2016/11/20 20:35:33	-26.5	56.7	57.4	59.8	54.1	54.2	46.9	49.5	46.2	47.5	51.7	53.3	47.4	48.6	46.2	43.0	40.1	38.2	39.9	36.6	34.9	34.7	30.7	113.9	48.9	28.6	64.8	30.2	58.9	33.3	33.2	34.5	35.3	36.9	37.7	39.0	
PRM831	2016/11/04 8:01:59	-26.4	61.8	59.8	54.0	61.8	50.6	50.9	45.0	43.2	47.6	44.8	39.4	35.0	36.0	31.2	26.6	24.0	25.5	23.4	23.8	25.5	25.3	29.9	114.0	49.0	28.1	65.1	30.3	58.9	32.9	33.7	34.2	35.2	36.6	37.6	38.9	
PRM831	2016/11/04 8:01:45	-26.4	52.3	51.5	62.1	56.5	54.7	45.8	47.6	49.0	39.6	35.0	38.8	33.6	32.8	32.2	29.4	25.9	23.2	22.1	23.0	24.8	25.8	29.8	114.1	49.1	28.6	65.1	29.8	59.0	32.9	33.1	34.5	35.6	36.6	38.0	38.7	
PRM831	2016/11/03 11:44:22	-26.5	54.5	44.9	41.6	42.5	36.1	44.4	47.3	65.0	57.7	57.7	52.0	44.0	38.7	36.6	33.8	35.6	34.2	35.3	46.2	38.4	36.7	114.0	48.8	30.6	64.8	30.2	59.2	33.3	33.7	34.3	35.8	37.3	37.7	39.0		
PRM831	2016/11/03 11:44:07	-26.5	51.3	69.1	49.3	51.7	48.7	50.5	52.2	52.7	59.4	60.6	47.2	48.2	52.1	47.6	41.7	40.9	41.4	35.8	33.8	31.9	26.3	30.5	113.9	48.9	28.1	64.6	30.4	59.1	32.9	34.0	34.5	35.8	36.6	37.7	38.8	
PRM831	2016/10/26 6:53:03	-26.4	50.1	50.1	48.8	51.8	41.6	41.6	53.2	47.7	49.0	54.8	60.2	63.7	53.4	44.5	47.4	51.6	52.1	51.8	52.4	54.2	52.8	48.1	114.0	49.8	44.0	64.6	32.1	59.2	33.3	33.5	33.8	35.5	36.9	37.8	38.8	
PRM831	2016/10/08 18:21:08	-26.4	65.1	58.1	72.7	61.6	57.5	52.6	53.7	54.0	61.8	62.2	53.3	51.6	47.3	44.7	43.4	41.5	40.3	40.2	35.3	29.1	29.6	30.9	114.0	49.0	28.2	64.6	29.8	59.3	33.1	33.8	33.9	35.4	36.8	38.0	39.0	
PRM831	2016/10/08 18:20:50	-26.4	61.0	67.2	61.7	61.7	54.2	53.8	53.3	56.0	60.1	57.2	53.4	48.0	45.3	47.6	46.3	40.6	41.2	40.9	42.7	43.0	31.4	31.5	114.1	49.2	28.8	64.7	29.7	59.4	33.3	33.9	34.6	35.6	36.7	38.1	39.0	
PRM831	2016/10/06 6:52:12	-26.5	61.6	50.9	59.8	49.3	45.8	41.0	41.8	53.5	54.7	50.3	50.6	55.7	56.5	57.6	56.6	52.1	54.4	54.8	51.4	45.0	32.8	33.8	114.0	48.7	32.2	65.3	30.8	60.0	32.5	34.3	34.5	35.6	36.8	38.2	38.9	
Unknown	2015/08/25 6:57:04	-26.4	40.8	33.8	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9	47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1		
Unknown	2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4	24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3	



Summary  
 Filename 831\_Data.043  
 Serial Number 3171  
 Model Model 831  
 Firmware Version 2.310  
 User  
 Location  
 Job Description  
 Note  
 Measurement Description  
 Start 2016/12/13 9:03:28  
 Stop 2016/12/13 9:18:31  
 Duration 0:15:02.6  
 Run Time 0:15:02.6  
 Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39  
 Post Calibration None  
 Calibration Deviation ---

Overall Settings  
 RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamp PRM831  
 Microphone Correction Off  
 Integration Method Linear  
 OBA Range Low  
 OBA Bandwidth 1/1 and 1/3  
 OBA Freq. Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Gain 20.0 dB  
 Overload 123.9 dB  
 Under Range Peak A C Z  
 56.5 53.5 58.5 dB  
 Under Range Limit 24.7 25.1 32.2 dB  
 Noise Floor 15.5 15.9 20.9 dB

Results  
 LAeq 72.3 dB  
 LAE 101.8 dB  
 EA 1.687 mPa<sup>2</sup>h  
 LApeak (max) 2016/12/13 9:09:08 107.6 dB  
 LASmax 2016/12/13 9:09:09 92.2 dB  
 LASmin 2016/12/13 9:15:48 52.4 dB  
 SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration) 27 655.8 s  
 LAS > 85.0 dB (Exceedence Counts / Duration) 1 3.7 s  
 LApeak > 135.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 137.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 140.0 dB (Exceedence Counts / Duration) 0 0.0 s

Community Noise  
 Ldn LDay 07:00-22:00 LNight 22:00-07:00 Lden LDay 07:00-19:00 LEvening 19:00-22:00 LNight 22:00-07:00  
 72.3 72.3 -99.9 72.3 72.3 -99.9 -99.9  
 LLeq 79.3 dB  
 LAeq 72.3 dB  
 LLeq - LAeq 7.1 dB  
 LAeq 75.2 dB  
 LAeq 72.3 dB  
 LLeq - LAeq 2.9 dB  
 # Overloads 0  
 Overload Duration 0.0 s  
 # OBA Overloads  
 OBA Overload Duration 549.1 s

Statistics  
 LAS1.67 79.8 dB  
 LAS8.33 76.4 dB  
 LAS25.00 72.0 dB  
 LAS33.30 70.3 dB  
 LAS50.00 67.9 dB  
 LAS90.00 59.3 dB

Calibration History  
 Preamp Date dB re. 1V/Pa  
 PRM831 2015/12/10 6:55:39 -26.5 6.3 8.0 10.0  
 Direct 2015/12/09 6:53:58 -26.5 39.4 32.9 46.8  
 Direct 2015/12/08 6:55:44 -26.5 53.9 58.0 42.7  
 Direct 2015/12/08 6:55:30 -26.5 62.7 48.6 47.1  
 Direct 2015/12/07 6:55:22 -26.6 56.5 56.1 42.8  
 Direct 2015/12/04 6:53:54 -26.6 56.3 42.9 45.0  
 Direct 2015/12/02 6:57:05 -26.6 51.4 44.5 49.5  
 Direct 2015/12/02 6:56:51 -26.6 54.3 48.3 44.4  
 Direct 2015/12/01 6:52:19 -26.5 62.7 60.6 56.9  
 Direct 2015/12/01 6:52:05 -26.5 44.0 43.8 47.9  
 Direct 2015/11/30 6:52:18 -26.6 49.0 32.8 40.7  
 PRM831 2016/12/13 8:02:53 -26.5 63.0 57.4 63.2  
 PRM831 2016/11/20 20:35:48 -26.5 48.0 57.5 55.3  
 PRM831 2016/11/20 20:35:33 -26.5 56.7 57.4 59.8  
 PRM831 2016/11/04 8:01:59 -26.4 61.8 59.8 54.0  
 PRM831 2016/11/04 8:01:45 -26.4 52.3 51.5 62.1  
 PRM831 2016/11/03 11:44:22 -26.5 56.3 54.5 44.9  
 PRM831 2016/11/03 11:44:07 -26.5 51.3 69.1 49.3  
 PRM831 2016/10/26 6:53:03 -26.4 50.1 50.1 58.8  
 PRM831 2016/10/08 18:21:08 -26.4 65.1 58.1 72.7  
 PRM831 2016/10/08 18:20:50 -26.4 61.0 67.2 67.9  
 PRM831 2016/10/06 6:52:12 -26.5 61.6 50.9 59.8  
 Unknown 2015/08/25 6:57:04 -26.4 40.8 33.8 36.9  
 Unknown 2015/08/25 6:56:50 -26.4 49.6 50.7 46.8

Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4	27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1	
2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5	27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0	
2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5	41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0	
2015/12/08 6:55:30	-26.5	62.7	48.6	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9	42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0	
2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2	32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0	
2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9	26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0	
2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3	28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9	
2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5	28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0	
2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1	34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0	
2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9	35.5	28.1	27.9	27.4	26.2	24.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4	
2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1	27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0	
2016/12/13 8:02:53	-26.5	63.0	57.4	63.2	59.7	51.0	48.2	49.6	50.0	54.1	52.1	48.3	46.8	34.7	39.3	32.2	30.7	29.6	29.8	26.4	25.7	26.0	30.4	114.0	48.8	28.1	64.7	29.9	59.2	33.3	33.2	34.4	35.5	36.9	37.6	39.1	
2016/11/20 20:35:48	-26.5	48.0	57.5	55.3	53.3	51.2	46.4	49.3	50.4	48.3	50.7	58.0	54.0	49.6	47.3	42.6	47.5	54.9	54.9	48.3	41.6	35.4	31.7	114.0	49.0	27.9	65.0	30.6	59.0	33.4	34.0	34.3	35.7	36.7	38.0	38.7	
2016/11/20 20:35:33	-26.5	56.7	57.4	59.8	54.1	54.2	46.9	49.5	46.2	47.5	51.7	53.3	47.4	48.6	46.2	43.0	40.1	38.2	39.9	36.6	34.9	34.7	30.7	113.9	48.9	28.6	64.8	30.2	58.9	33.3	33.2	34.5	35.3	36.9	37.7	39.0	
2016/11/04 8:01:59	-26.4	61.8	59.8	54.0	61.8	50.6	50.9	45.0	43.2	47.6	44.8	39.4	35.0	36.0	31.2	26.6	24.0	25.5	23.4	23.8	25.5	25.3	29.9	114.0	49.0	28.1	65.1	30.3	58.9	32.9	33.7	34.2	35.2	36.6	37.6	38.9	
2016/11/04 8:01:45	-26.4	52.3	51.5	62.1	56.5	54.7	45.8	47.6	49.0	39.6	35.0	38.8	33.6	32.8	32.2	29.4	25.9	23.2	22.1	23.0	24.8	25.8	29.8	114.1	49.1	28.6	65.1	29.8	59.0	32.9	33.1	34.5	35.6	36.6	38.0	38.7	
2016/11/03 11:44:22	-26.5	56.3	54.5	44.9	41.6	42.5	36.1	44.4	47.3	65.0	57.7	57.7	52.0	44.0	38.7	36.6	33.8	35.6	34.2	35.3	46.2	38.4	36.7	114.0	48.8	30.6	64.8	30.2	59.2	33.3	33.7	34.3	35.8	37.3	37.7	39.0	
2016/11/03 11:44:07	-26.5	51.3	69.1	49.3	51.7	48.7	50.5	52.2	52.7	59.4	60.6	47.2	48.2	52.1	47.6	41.7	40.9	41.4	35.8	33.8	31.9	26.3	30.5	113.9	48.9	28.1	64.6	30.4	59.1	32.9	34.0	34.5	35.8	36.6	37.7	38.8	
2016/10/26 6:53:03	-26.4	50.1	50.1	58.8	48.8	51.8	41.6	53.2	47.7	49.0	54.8	60.2	63.7	53.4	44.5	47.4	51.6	52.1	51.8	52.4	54.2	52.8	48.1	114.0	49.8	44.0	64.6	32.1	59.2	33.3	33.5	33.8	35.5	36.9	37.8	38.8	
2016/10/08 18:21:08	-26.4	65.1	58.1	72.7	61.6	57.5	52.6	53.7	54.0	61.8	62.2	53.3	51.6	47.3	44.4	43.4	41.5	40.3	40.2	35.3	29.1	29.6	30.9	114.0	49.0	28.2	64.6	29.8	59.3	33.1	33.8	33.9	35.4	36.8	38.0	39.0	
2016/10/08 18:20:50	-26.4	61.0	67.2	67.9	61.7	54.2	53.8	53.3	56.0	60.1	57.2	53.4	48.0	45.3	47.6	46.3	40.6	41.2	40.9	42.7	43.0	31.4	31.5	114.1	49.2	28.8	64.7	29.7	59.4	33.3	33.9	34.6	35.6	36.7	38.1	39.0	
2016/10/06 6:52:12	-26.5	61.6	50.9	59.8	49.3	45.8	41.0	41.8	53.5	54.7	50.3	50.6	55.7	56.5	57.6	56.6	52.1	54.4	54.8	51.4	45.0	32.8	33.8	114.0	48.7	32.2	65.3	30.8	60.0	32.5	34.3	34.5	35.6	36.8	38.2	38.9	
2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9	47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1	
2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4	24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3	



Summary  
 Filename 831\_Data.044  
 Serial Number 3171  
 Model Model 831  
 Firmware Version 2.310  
 User  
 Location  
 Job Description  
 Note  
 Measurement Description  
 Start 2016/12/13 9:21:09  
 Stop 2016/12/13 9:36:15  
 Duration 0:15:06.5  
 Run Time 0:15:06.5  
 Pause 0:00:00.0

Pre Calibration 2015/12/10 6:55:39  
 Post Calibration None  
 Calibration Deviation ---

Overall Settings  
 RMS Weight A Weighting  
 Peak Weight A Weighting  
 Detector Slow  
 Preamp PRM831  
 Microphone Correction Off  
 Integration Method Linear  
 OBA Range Low  
 OBA Bandwidth 1/1 and 1/3  
 OBA Freq. Weighting A Weighting  
 OBA Max Spectrum Bin Max  
 Gain 20.0 dB  
 Overload 123.9 dB  
 Under Range Peak A C Z  
 56.5 53.5 58.5 dB  
 Under Range Limit 24.7 25.1 32.2 dB  
 Noise Floor 15.5 15.9 20.9 dB

Results  
 LAeq 71.7 dB  
 LAE 101.2 dB  
 EA 1.465 mPa<sup>2</sup>h  
 LApeak (max) 2016/12/13 9:31:58 106.9 dB  
 LASmax 2016/12/13 9:31:58 88.0 dB  
 LASmin 2016/12/13 9:36:06 58.6 dB  
 SEA -99.9 dB

LAS > 65.0 dB (Exceedence Counts / Duration) 22 739.7 s  
 LAS > 85.0 dB (Exceedence Counts / Duration) 3 4.4 s  
 LApeak > 135.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 137.0 dB (Exceedence Counts / Duration) 0 0.0 s  
 LApeak > 140.0 dB (Exceedence Counts / Duration) 0 0.0 s

Community Noise  
 Ldn LDay 07:00-22:00 LNight 22:00-07:00 Lden LDay 07:00-19:00 LEvening 19:00-22:00 LNight 22:00-07:00  
 71.6 71.6 -99.9 71.6 71.6 -99.9 -99.9  
 LLeq 78.7 dB  
 LAeq 71.6 dB  
 LLeq - LAeq 7.1 dB  
 LAeq 74.5 dB  
 LAeq 71.6 dB  
 LLeq - LAeq 2.8 dB  
 # Overloads 0  
 Overload Duration 0.0 s  
 # OBA Overloads 99  
 OBA Overload Duration 645.9 s

Statistics  
 LAS1.67 79.0 dB  
 LAS8.33 75.1 dB  
 LAS25.00 72.4 dB  
 LAS33.30 71.0 dB  
 LAS50.00 68.3 dB  
 LAS90.00 62.3 dB

Calibration History  
 Preamp Date dB re. 1V/Pa  
 PRM831 2015/12/10 6:55:39 -26.5 64.2 75.9 51.3  
 Direct 2015/12/09 6:53:58 -26.5 39.4 32.9 46.8  
 Direct 2015/12/08 6:55:44 -26.5 53.9 58.0 42.7  
 Direct 2015/12/08 6:55:30 -26.5 62.7 47.1  
 Direct 2015/12/07 6:55:22 -26.6 56.5 56.1 42.8  
 Direct 2015/12/04 6:53:54 -26.6 56.3 42.9 45.0  
 Direct 2015/12/02 6:57:05 -26.6 51.4 44.5 49.5  
 Direct 2015/12/02 6:56:51 -26.6 54.3 48.3 44.4  
 Direct 2015/12/01 6:52:19 -26.5 62.7 60.6 56.9  
 Direct 2015/12/01 6:52:05 -26.5 44.0 43.8 47.9  
 Direct 2015/11/30 6:52:18 -26.6 49.0 32.8 40.7  
 PRM831 2016/12/13 8:02:53 -26.5 63.0 57.4 63.2  
 PRM831 2016/11/20 20:35:48 -26.5 48.0 57.5 55.3  
 PRM831 2016/11/20 20:35:33 -26.5 56.7 57.4 59.8  
 PRM831 2016/11/04 8:01:59 -26.4 61.8 59.8 54.0  
 PRM831 2016/11/04 8:01:45 -26.4 52.3 51.5 62.1  
 PRM831 2016/11/03 11:44:22 -26.5 54.5 44.9 49.5  
 PRM831 2016/11/03 11:44:07 -26.5 51.3 69.1 49.3  
 PRM831 2016/10/26 6:53:03 -26.4 50.1 50.1 58.8  
 PRM831 2016/10/08 18:21:08 -26.4 65.1 58.1 72.7  
 PRM831 2016/10/08 18:20:50 -26.4 61.0 67.2 67.9  
 PRM831 2016/10/06 6:52:12 -26.5 61.6 50.9 59.8  
 Unknown 2015/08/25 6:57:04 -26.4 40.8 33.8 36.9  
 Unknown 2015/08/25 6:56:50 -26.4 49.6 50.7 46.8

Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
2015/12/10 6:55:39	-26.5	64.2	75.9	51.3	46.9	38.7	39.9	39.5	39.8	52.3	42.0	43.7	38.0	35.4	27.3	29.6	27.9	27.9	25.6	27.6	24.2	24.1	28.0	114.0	45.7	27.9	65.1	30.7	59.7	32.8	33.5	34.3	35.6	36.9	37.6	39.1	
2015/12/09 6:53:58	-26.5	39.4	32.9	46.8	32.4	37.9	31.0	37.3	48.2	47.1	43.1	49.4	38.8	42.5	27.1	30.5	31.2	31.7	38.2	39.7	33.6	32.4	29.7	114.0	45.6	28.5	65.2	31.1	59.7	32.8	34.3	34.5	35.9	37.1	37.8	39.0	
2015/12/08 6:55:44	-26.5	53.9	58.0	42.7	36.3	43.8	39.3	39.2	41.8	47.4	62.4	56.7	54.3	49.5	41.6	39.0	37.8	39.5	41.5	43.1	34.6	29.4	29.1	114.0	45.5	29.5	65.1	31.0	59.7	32.6	34.4	34.3	35.9	36.5	37.8	39.0	
2015/12/08 6:55:30	-26.5	62.7	47.1	46.1	40.2	37.0	36.9	41.8	49.8	60.8	43.0	42.6	47.9	42.8	36.9	36.6	34.9	35.8	38.8	33.6	27.9	28.9	114.1	45.7	28.7	65.2	30.4	59.8	32.3	34.0	34.5	35.8	37.0	38.0	39.0		
2015/12/07 6:55:22	-26.6	56.5	56.1	42.8	41.3	34.2	42.1	39.2	36.9	50.4	50.9	41.4	38.4	36.2	32.4	31.6	33.2	35.8	36.2	36.8	30.0	25.8	29.3	113.9	45.7	28.5	65.2	30.5	59.7	32.0	33.7	34.5	35.7	36.9	38.1	39.0	
2015/12/04 6:53:54	-26.6	56.3	42.9	45.0	43.1	34.5	36.3	34.6	45.7	49.8	53.7	40.9	47.0	48.9	26.8	28.3	27.8	26.1	25.5	30.4	27.9	25.4	28.3	114.0	45.9	28.6	65.2	31.0	59.8	32.9	34.0	34.5	35.7	37.0	38.2	39.0	
2015/12/02 6:57:05	-26.6	51.4	44.5	49.5	44.5	49.2	39.1	33.5	36.1	47.9	57.6	52.1	47.2	54.3	28.9	27.5	25.2	27.6	27.2	28.2	24.9	24.3	27.8	114.0	45.6	28.2	65.0	31.1	58.9	38.8	38.2	35.4	36.6	36.9	38.2	38.9	
2015/12/02 6:56:51	-26.6	54.3	48.3	44.4	40.4	36.5	40.3	33.7	35.7	49.0	56.1	51.5	44.6	53.5	28.2	25.6	24.3	27.2	26.2	27.0	24.5	23.9	27.7	113.9	45.6	28.7	65.0	30.6	58.9	39.1	38.5	35.4	36.5	37.0	37.7	39.0	
2015/12/01 6:52:19	-26.5	62.7	60.6	56.9	49.2	47.1	41.8	53.5	50.5	53.5	50.9	42.5	37.7	37.1	34.5	33.4	30.9	28.2	30.5	29.5	26.5	25.0	27.5	114.0	45.7	28.3	65.3	30.3	59.7	32.9	33.7	34.7	35.6	36.8	38.0	39.0	
2015/12/01 6:52:05	-26.5	44.0	43.8	47.9	42.5	40.5	38.9	39.6	37.3	56.6	59.5	30.4	34.7	32.9	35.5	28.1	27.9	27.4	26.2	24.6	26.7	25.9	28.8	114.0	45.9	28.5	65.3	30.7	59.7	32.9	34.0	34.6	36.0	36.9	38.2	39.4	
2015/11/30 6:52:18	-26.6	49.0	32.8	40.7	39.1	32.9	36.1	36.3	32.0	48.1	36.7	37.3	35.2	31.1	27.0	24.5	26.7	26.2	25.5	25.7	27.5	25.9	28.4	114.0	45.6	28.6	65.2	30.5	59.8	32.7	34.2	34.1	35.4	36.9	37.8	39.0	
2016/12/13 8:02:53	-26.5	63.0	57.4	63.2	59.7	51.0	48.2	49.6	50.0	54.1	52.1	48.3	46.8	34.7	39.3	32.2	30.7	29.6	29.8	26.4	25.7	26.0	30.4	114.0	48.8	28.1	64.7	29.9	59.2	33.3	33.2	34.4	35.5	36.9	37.6	39.1	
2016/11/20 20:35:48	-26.5	48.0	57.5	55.3	53.3	51.2	46.4	49.3	50.4	48.3	50.7	58.0	54.0	49.6	47.3	42.6	47.5	54.9	54.9	48.3	41.6	35.4	31.7	114.0	49.0	27.9	65.0	30.6	59.0	33.4	34.0	34.3	35.7	36.7	38.0	38.7	
2016/11/20 20:35:33	-26.5	56.7	57.4	59.8	54.1	54.2	46.9	49.5	46.2	47.5	51.7	53.3	47.4	48.6	46.2	43.0	40.1	38.2	39.9	36.6	34.9	34.7	30.7	113.9	48.9	28.6	64.8	30.2	58.9	33.3	33.2	34.5	35.3	36.9	37.7	39.0	
2016/11/04 8:01:59	-26.4	61.8	59.8	54.0	61.8	50.6	50.9	45.0	43.2	47.6	44.8	39.4	35.0	36.0	31.2	26.6	24.0	25.5	23.4	23.8	25.5	25.3	29.9	114.0	49.0	28.1	65.1	30.3	58.9	32.9	33.7	34.2	35.2	36.6	37.6	38.9	
2016/11/04 8:01:45	-26.4	52.3	51.5	62.1	56.5	54.7	45.8	47.6	49.0	39.6	35.0	38.8	33.6	32.8	32.2	29.4	25.9	23.2	22.1	23.0	24.8	25.8	29.8	114.1	49.1	28.6	65.1	29.8	59.0	32.9	33.1	34.5	35.6	36.6	38.0	38.7	
2016/11/03 11:44:22	-26.5	54.5	44.9	49.5	41.6	42.5	36.1	44.4	47.3	65.0	57.7	57.7	52.0	44.0	38.7	36.6	33.8	35.6	34.2	35.3	46.2	38.4	36.7	114.0	48.8	30.6	64.8	30.2	59.2	33.3	33.7	34.3	35.8	37.3	37.7	39.0	
2016/11/03 11:44:07	-26.5	51.3	69.1	49.3	51.7	48.7	50.5	52.2	52.7	59.4	60.6	47.2	48.2	52.1	47.6	41.7	40.9	41.4	35.8	33.8	31.9	26.3	30.5	113.9	48.9	28.1	64.6	30.4	59.1	32.9	34.0	34.5	35.8	36.6	37.7	38.8	
2016/10/26 6:53:03	-26.4	50.1	50.1	58.8	48.8	51.8	41.6	53.2	47.7	49.0	54.8	60.2	63.7	53.4	44.5	47.4	51.6	52.1	51.8	52.4	54.2	52.8	48.1	114.0	49.8	44.0	64.6	32.1	59.2	33.3	33.5	33.8	35.5	36.9	37.8	38.8	
2016/10/08 18:21:08	-26.4	65.1	58.1	72.7	61.6	57.5	52.6	53.7	54.0	61.8	62.2	53.3	51.6	47.3	44.7	43.4	41.5	40.3	40.2	35.3	29.1	29.6	30.9	114.0	49.0	28.2	64.6	29.8	59.3	33.1	33.8	33.9	35.4	36.8	38.0	39.0	
2016/10/08 18:20:50	-26.4	61.0	67.2	67.9	61.7	54.2	53.8	53.3	56.0	60.1	57.2	53.4	48.0	45.3	47.6	46.3	40.6	41.2	40.9	42.7	43.0	31.4	31.5	114.1	49.2	28.8	64.7	29.7	59.4	33.3	33.9	34.6	35.6	36.7	38.1	39.0	
2016/10/06 6:52:12	-26.5	61.6	50.9	59.8	49.3	45.8	41.0	41.8	53.5	54.7	50.3	50.6	55.7	56.5	57.6	56.6	52.1	54.4	54.8	51.4	45.0	32.8	33.8	114.0	48.7	32.2	65.3	30.8	60.0	32.5	34.3	34.5	35.6	36.8	38.2	38.9	
2015/08/25 6:57:04	-26.4	40.8	33.8	36.9	44.5	39.1	37.2	40.3	38.0	44.0	43.9	43.3	39.7	51.9	47.8	38.6	32.5	33.9	38.4	38.1	26.3	29.0	28.1	114.0	45.6	27.8	65.2	30.7	59.7	32.4	33.9	34.3	35.5	36.7	37.7	39.1	
2015/08/25 6:56:50	-26.4	49.6	50.7	46.8	39.0	39.3	38.3	28.9	37.8	46.2	38.7	38.0	37.5	36.4	24.9	23.1	24.1	22.9	22.8	23.3	24.8	25.3	28.2	113.6	45.0	28.0	64.8	30.4	59.4	32.7	33.7	34.0	34.8	36.3	37.4	38.3	



**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 1  
 Marengo Ave at Maple St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**Marengo Ave**

Southbound

	right	through	left
Existing	34	284	0
Existing w/ Proje	34	284	0

Westbound

	right	through	left
Existing	80	924	280
Existing w/ Proje	80	931	280

Northbound

	left	through	right
Existing	223	350	0
Existing w/ Proje	223	350	0

Eastbound

	left	through	right
Existing	0	0	0
Existing w/ Proje	0	0	0

W N E  
 S

ADT

Road	Marengo Ave		Maple St	
	North of	South of	East of	West of
Leg				
Cross Street	Maple St		Marengo Ave	
Existing	5,984.0	9,096.0	10,272.0	9,448.0
Existing w/ Proje	5,984.0	9,096.0	10,328.0	9,504.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

Maple St



**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 2  
 Marengo Ave at Corson St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**Marengo Ave**

Southbound

	right	through	left
Existing	0	421	136
Existing w/ Proje	0	421	136

Westbound

	right	through	left
Existing	0	0	0
Existing w/ Proje	0	0	0

Northbound

	left	through	right
Existing	0	483	381
Existing w/ Proje	0	483	381

Eastbound

	left	through	right
Existing	102	902	117
Existing w/ Proje	102	904	117

W    N    E  
           S

Corson St

ADT

Road	Marengo Ave		Corson St	
	North of	South of	East of	West of
Leg	Corson St		Marengo Ave	
Cross Street	Corson St		Marengo Ave	
Existing	9,136.0	11,216.0	11,352.0	8,968.0
Existing w/ Proje	9,136.0	11,216.0	11,368.0	8,984.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0



**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 3  
 Marengo Ave at Walnut St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**Marengo Ave**

Southbound

	right	through	left
Existing	65	486	50
Existing w/ Proje	65	486	50

Westbound

	right	through	left
Existing	97	919	86
Existing w/ Proje	97	929	86

Northbound

	left	through	right
Existing	133	713	106
Existing w/ Proje	133	713	106

Eastbound

	left	through	right
Existing	40	576	101
Existing w/ Proje	40	578	101

W      N  
           E  
           S

Walnut ST

ADT

Road	Marengo Ave		Walnut ST	
	North of	South of	East of	West of
Leg	Walnut ST		Marengo Ave	
Cross Street	Walnut ST		Marengo Ave	
Existing	11,608.0	13,000.0	14,672.0	14,672.0
Existing w/ Proje	11,608.0	13,000.0	14,768.0	14,768.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0



**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 4  
 Los Robles Ave at Maple St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**Los Robles Ave**

Southbound

	right	through	left
Existing	147	513	0
Existing w/ Proje	147	514	0

Eastbound

	left	through	right
Existing	0	0	0
Existing w/ Proje	0	0	0

Westbound

	right	through	left
Existing	80	588	102
Existing w/ Proje	80	590	103

Northbound

	left	through	right
Existing	259	707	0
Existing w/ Proje	266	709	0

W      N  
           E  
           S

Maple St

ADT

Road	Los Robles Ave		Maple St	
	North of	South of	East of	West of
Leg	Maple St		Los Robles Ave	
Cross Street	Maple St		Los Robles Ave	
Existing	11,576.0	12,648.0	6,160.0	7,952.0
Existing w/ Proje	11,600.0	12,736.0	6,184.0	8,024.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

**NOISE LEVEL CONTOURS - Existing Plus Project Weekday Off-Site ADT Volumes**

ROADWAY NAME Segment	Land Use	Median Lanes	ADT Volume	Design Dist. from		Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	Traffic Volumes								Ref. Energy Levels Dist																	
				Speed (mph)	Center to Receptor (ft)		Alpha Factor (1)	Medium Trucks		Heavy Trucks	Day	Eve	Night	MTd	HTd	MTe	HTe	MTn	HTn	A	MT	HT	Adj	A	MT	HT	Total	A	MT	HT	Total	A	MT	HT	Total
<b>Los Robles Ave n/o Maple St</b>																																			
Existing		2	11,576	30	75	0	0	1.8%	0.7%	61.1	####	####	####	182	72	11	2	16	7	62.5	73.1	80.3	-1.8	59.3	53.1	56.2	61.7	56.3	45.5	46.0	57.0	43.1	43.6	47.0	49.7
Existing w/ Project		2	11,600	30	75	0	0	1.8%	0.7%	61.1	####	####	####	183	72	11	2	16	7	62.5	73.1	80.3	-1.8	59.3	53.1	56.2	61.7	56.3	45.5	46.0	57.0	43.1	43.6	47.0	49.7
<b>Los Robles Ave s/o Maple St</b>																																			
Existing		2	12,648	30	75	0	0	1.8%	0.7%	61.4	####	####	####	199	79	11	3	17	7	62.5	73.1	80.3	-1.8	59.6	53.4	56.5	62.0	56.6	45.8	46.4	57.3	43.4	44.0	47.3	50.0
Existing w/ Project		2	12,736	30	75	0	0	1.8%	0.7%	61.4	####	####	####	200	79	12	3	17	7	62.5	73.1	80.3	-1.8	59.7	53.4	56.6	62.0	56.7	45.9	46.4	57.4	43.5	44.0	47.3	50.1
<b>Maple St e/o Los Robles Ave</b>																																			
Existing		2	6,160	30	75	0	0	1.8%	0.7%	58.3	####	782	591	97	38	6	1	8	3	62.5	73.1	80.3	-1.8	56.5	50.3	53.4	58.9	53.5	42.7	43.3	54.3	40.4	40.9	44.2	46.9
Existing w/ Project		2	6,184	30	75	0	0	1.8%	0.7%	58.3	####	785	594	97	39	6	1	8	3	62.5	73.1	80.3	-1.8	56.5	50.3	53.5	58.9	53.6	42.8	43.3	54.3	40.4	40.9	44.2	47.0
<b>Maple St w/o Los Robles Ave</b>																																			
Existing		2	7,952	30	75	0	0	1.8%	0.7%	59.4	####	####	763	125	50	7	2	11	4	62.5	73.1	80.3	-1.8	57.6	51.4	54.6	60.0	54.7	43.8	44.4	55.4	41.5	42.0	45.3	48.0
Existing w/ Project		2	8,024	30	75	0	0	1.8%	0.7%	59.5	####	####	770	126	50	7	2	11	5	62.5	73.1	80.3	-1.8	57.7	51.5	54.6	60.1	54.7	43.9	44.4	55.4	41.5	42.0	45.4	48.1

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 5  
 Los Robles Ave at Corson St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**Los Robles Ave**

Southbound

	right	through	left
Existing	0	556	57
Existing w/ Proje	0	558	58

Eastbound

	left	through	right
Existing	132	605	128
Existing w/ Proje	132	606	129

Westbound

	right	through	left
Existing	0	0	0
Existing w/ Proje	0	0	0

Northbound

	left	through	right
Existing	0	864	228
Existing w/ Proje	0	874	228

W    N    E  
           S

Corson St

ADT

Road	Los Robles Ave		Corson St	
	North of	South of	East of	West of
Leg				
Cross Street	Corson St		Los Robles Ave	
Existing	12,872.0	14,208.0	7,120.0	6,920.0
Existing w/ Proje	12,976.0	14,312.0	7,136.0	6,936.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

2  
**NOISE LEVEL CONTOURS - Existing Plus Project Weekday Off-Site ADT Volumes**

ROADWAY NAME Segment	Land Use	Lanes	Median Width	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor (ft)	Alpha Factor (1)	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	Traffic Volumes								Ref. Energy Levels Dist																
									Medium Trucks	Heavy Trucks		Day	Eve	Night	MTd	HTd	MTe	HTe	MTn	HTn	A	MT	HT	Adj	A	MT	HT	Total	A	MT	HT	Total	A	MT	HT	Total
<b>Los Robles Ave n/o Corson St</b>																																				
Existing		2	15	12,872	30	75	0	0	1.8%	0.7%	61.6	10,002	1,635	1,236	203	80	12	3	17	7	62.5	73.1	80.3	-1.8	59.8	53.5	56.7	62.1	56.8	46.0	46.5	57.5	43.6	44.1	47.4	50.2
Existing w/ Project		2	15	12,976	30	75	0	0	1.8%	0.7%	61.6	10,082	1,648	1,246	204	81	12	3	18	7	62.5	73.1	80.3	-1.8	59.8	53.6	56.7	62.2	56.8	46.0	46.5	57.5	43.6	44.1	47.5	50.2
<b>Los Robles Ave s/o Corson St</b>																																				
Existing		2	15	14,208	30	75	0	0	1.8%	0.7%	62.0	11,040	1,804	1,364	224	89	13	3	19	8	62.5	73.1	80.3	-1.8	60.2	54.0	57.1	62.6	57.2	46.4	46.9	57.9	44.0	44.5	47.9	50.6
Existing w/ Project		2	15	14,312	30	75	0	0	1.8%	0.7%	62.0	11,120	1,818	1,374	225	89	13	3	19	8	62.5	73.1	80.3	-1.8	60.2	54.0	57.1	62.6	57.2	46.4	47.0	57.9	44.0	44.6	47.9	50.6
<b>Corson St e/o Los Robles Ave</b>																																				
Existing		2	0	7,120	25	75	0	0	1.8%	0.7%	57.4	5,532	904	684	112	44	6	1	10	4	59.4	71.1	78.7	-1.8	54.8	49.7	53.3	57.9	51.9	42.1	43.1	52.8	38.7	40.2	44.1	46.4
Existing w/ Project		2	0	7,136	25	75	0	0	1.8%	0.7%	57.4	5,545	906	685	112	45	6	1	10	4	59.4	71.1	78.7	-1.8	54.9	49.7	53.3	57.9	51.9	42.1	43.2	52.8	38.7	40.2	44.1	46.4
<b>Corson St w/o Los Robles Ave</b>																																				
Existing		2	0	6,920	25	75	0	0	1.8%	0.7%	57.2	5,377	879	664	109	43	6	1	9	4	59.4	71.1	78.7	-1.8	54.7	49.6	53.2	57.7	51.7	42.0	43.0	52.7	38.5	40.1	44.0	46.3
Existing w/ Project		2	0	6,936	25	75	0	0	1.8%	0.7%	57.2	5,389	881	666	109	43	6	1	9	4	59.4	71.1	78.7	-1.8	54.7	49.6	53.2	57.8	51.8	42.0	43.0	52.7	38.6	40.1	44.0	46.3

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 6  
 Los Robles Ave at Walnut St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**Los Robles Ave**

Southbound

	right	through	left
Existing	109	622	103
Existing w/ Proje	119	627	103

Westbound

	right	through	left
Existing	128	623	89
Existing w/ Proje	129	623	89

Northbound

	left	through	right
Existing	169	776	96
Existing w/ Proje	169	777	96

Eastbound

	left	through	right
Existing	96	532	111
Existing w/ Proje	98	533	111

W      N  
           E  
           S

Walnut St

ADT

Road	Los Robles Ave		Walnut St	
	North of	South of	East of	West of
Leg	Walnut St		Los Robles Ave	
Cross Street	Walnut St		Los Robles Ave	
Existing	14,672.0	14,904.0	12,568.0	13,120.0
Existing w/ Proje	14,824.0	14,952.0	12,584.0	13,224.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

**NOISE LEVEL CONTOURS - Existing Plus Project Weekday Off-Site ADT Volumes**

ROADWAY NAME Segment	Land Use	Median Lanes	ADT Volume	Design Dist. from		Alpha Factor (1)	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	Traffic Volumes								Ref. Energy Levels Dist																
				Speed (mph)	Center to Receptor			Medium Trucks	Heavy Trucks		Day	Eve	Night	MTd	HTd	MTe	HTe	MTn	HTn	A	MT	HT	Adj	A	MT	HT	Total	A	MT	HT	Total	A	MT	HT	Total
<b>Los Robles Ave n/o Walnut St</b>																																			
Existing		2	14,672	30	75	0	0	1.8%	0.7%	62.1	11,400	####	####	231	92	13	3	20	8	62.5	73.1	80.3	-1.8	60.3	54.1	57.2	62.7	57.3	46.5	47.1	58.0	44.1	44.6	48.0	50.7
Existing w/ Project		2	14,824	30	75	0	0	1.8%	0.7%	62.1	11,518	####	####	233	92	13	3	20	8	62.5	73.1	80.3	-1.8	60.3	54.1	57.3	62.7	57.4	46.6	47.1	58.1	44.2	44.7	48.0	50.8
<b>Los Robles Ave s/o Walnut St</b>																																			
Existing		2	14,904	30	75	0	0	1.8%	0.7%	62.2	11,580	####	####	235	93	14	3	20	8	62.5	73.1	80.3	-1.8	60.4	54.2	57.3	62.8	57.4	46.6	47.1	58.1	44.2	44.7	48.0	50.8
Existing w/ Project		2	14,952	30	75	0	0	1.8%	0.7%	62.2	11,618	####	####	235	93	14	3	20	8	62.5	73.1	80.3	-1.8	60.4	54.2	57.3	62.8	57.4	46.6	47.1	58.1	44.2	44.7	48.1	50.8
<b>Walnut St e/o Los Robles Ave</b>																																			
Existing		2	12,568	25	75	0	0	1.8%	0.7%	59.9	9,765	####	####	198	78	11	2	17	7	59.4	71.1	78.7	-1.8	57.3	52.2	55.8	60.4	54.4	44.6	45.7	55.3	41.2	42.7	46.6	48.9
Existing w/ Project		2	12,584	25	75	0	0	1.8%	0.7%	59.9	9,778	####	####	198	78	11	3	17	7	59.4	71.1	78.7	-1.8	57.4	52.2	55.8	60.4	54.4	44.6	45.7	55.3	41.2	42.7	46.6	48.9
<b>Walnut St w/o Los Robles</b>																																			
Existing		2	13,120	25	75	0	0	1.8%	0.7%	60.0	10,194	####	####	206	82	12	3	18	7	59.4	71.1	78.7	-1.8	57.5	52.4	56.0	60.6	54.6	44.8	45.8	55.5	41.4	42.9	46.8	49.1
Existing w/ Project		2	13,224	25	75	0	0	1.8%	0.7%	60.1	10,275	####	####	208	82	12	3	18	7	59.4	71.1	78.7	-1.8	57.6	52.4	56.0	60.6	54.6	44.8	45.9	55.5	41.4	42.9	46.8	49.1

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 7  
 Oakland Ave at Walnut St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

ADT

Road	Oakland Ave		Walnut St	
	North of	South of	East of	West of
Leg				
Cross Street	Walnut St		Oakland Ave	
Existing	440.0	560.0	12,728.0	12,640.0
Existing w/ Proje	576.0	560.0	12,864.0	12,656.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

**Oakland Ave**

Southbound

	right	through	left
Existing	14	0	10
Existing w/ Proje	14	0	22

Westbound

	right	through	left
Existing	12	760	21
Existing w/ Proje	16	761	21

Northbound

	left	through	right
Existing	11	6	19
Existing w/ Proje	11	6	19

Eastbound

	left	through	right
Existing	13	769	13
Existing w/ Proje	14	769	13

Walnut St

W      N  
                   E  
                   S

**NOISE LEVEL CONTOURS - Existing Plus Project Weekday Off-Site ADT Volumes**

ROADWAY NAME Segment	Land Use	Median Lanes	ADT Volume	Design Dist. from		Alpha Factor (1'	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	Traffic Volumes								Ref. Energy Levels Dist																	
				Speed (mph)	Center to Receptor			Medium Trucks	Heavy Trucks		Day	Eve	Night	MTd	HTd	MTe	HTe	MTn	HTn	A	MT	HT	Adj	A	MT	HT	Total	A	MT	HT	Total	A	MT	HT	Total	
<b>Oakland Ave n/o Walnut St</b>																																				
Existing		1	440	25	75	0	0	1.8%	0.7%	45.3	342	56	42	7	3	0	0	1	0	59.4	71.1	78.7	-1.8	42.7	37.6	41.2	45.8	39.8	30.0	31.0	40.7	26.6	28.1	32.0	34.3	
Existing w/ Project		1	576	25	75	0	0	1.8%	0.7%	46.4	448	73	55	9	4	1	0	1	0	59.4	71.1	78.7	-1.8	43.9	38.7	42.4	46.9	40.9	31.2	32.2	41.9	27.7	29.3	33.1	35.4	
<b>Oakland Ave s/o Walnut St</b>																																				
Existing		1	560	25	75	0	0	1.8%	0.7%	46.3	435	71	54	9	3	1	0	1	0	59.4	71.1	78.7	-1.8	43.8	38.6	42.3	46.8	40.8	31.0	32.1	41.7	27.6	29.2	33.0	35.3	
Existing w/ Project		1	560	25	75	0	0	1.8%	0.7%	46.3	435	71	54	9	3	1	0	1	0	59.4	71.1	78.7	-1.8	43.8	38.6	42.3	46.8	40.8	31.0	32.1	41.7	27.6	29.2	33.0	35.3	
<b>Walnut St e/o Oakland Ave</b>																																				
Existing		2	12,728	25	75	0	0	1.8%	0.7%	59.9	####	####	####	200	79	12	3	17	7	59.4	71.1	78.7	-1.8	57.4	52.2	55.9	60.4	54.4	44.7	45.7	55.4	41.2	42.8	46.6	48.9	
Existing w/ Project		2	12,864	25	75	0	0	1.8%	0.7%	60.0	####	####	####	202	80	12	3	17	7	59.4	71.1	78.7	-1.8	57.4	52.3	55.9	60.5	54.5	44.7	45.8	55.4	41.3	42.8	46.7	49.0	
<b>Walnut St w/o Oakland Ave</b>																																				
Existing		2	12,640	25	75	0	0	1.8%	0.7%	59.9	####	####	####	199	79	11	3	17	7	59.4	71.1	78.7	-1.8	57.4	52.2	55.8	60.4	54.4	44.6	45.7	55.3	41.2	42.8	46.6	48.9	
Existing w/ Project		2	12,656	25	75	0	0	1.8%	0.7%	59.9	####	####	####	199	79	12	3	17	7	59.4	71.1	78.7	-1.8	57.4	52.2	55.8	60.4	54.4	44.6	45.7	55.3	41.2	42.8	46.6	48.9	

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 8  
 El Molino Ave at Maple St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**El Molino Ave**

Southbound

	right	through	left
Existing	35	131	0
Existing w/ Proje	35	131	0

Westbound

	right	through	left
Existing	59	603	92
Existing w/ Proje	59	604	93

Northbound

	left	through	right
Existing	128	324	0
Existing w/ Proje	130	324	0

Eastbound

	left	through	right
Existing	0	0	0
Existing w/ Proje	0	0	0

W      N  
           E  
           S

Maple St

ADT

Road	El Molino Ave		Maple St	
	North of	South of	East of	West of
Leg	Maple St		El Molino Ave	
Cross Street	Maple St		El Molino Ave	
Existing	4,392.0	5,400.0	6,032.0	6,128.0
Existing w/ Proje	4,392.0	5,424.0	6,048.0	6,152.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0



**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 9  
 El Molino Ave at Corson St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**El Molino Ave**

Southbound

	right	through	left
Existing	0	222	34
Existing w/ Proje	0	222	34

Westbound

	right	through	left
Existing	0	0	0
Existing w/ Proje	0	0	0

Northbound

	left	through	right
Existing	0	427	93
Existing w/ Proje	0	427	93

Eastbound

	left	through	right
Existing	78	650	48
Existing w/ Proje	80	660	48

W    N    E  
           S

Corson St

ADT

Road	El Molino Ave		Corson St	
	North of	South of	East of	West of
Leg				
Cross Street	Corson St		El Molino Ave	
Existing	6,088.0	6,320.0	6,216.0	6,208.0
Existing w/ Proje	6,104.0	6,320.0	6,296.0	6,304.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

**NOISE LEVEL CONTOURS - Existing Plus Project Weekday Off-Site ADT Volumes**

ROADWAY NAME Segment	Land Use	Median Lanes	ADT Volume	Design Dist. from		Alpha Factor (1'	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	Traffic Volumes								Ref. Energy Levels Dist			Ld			Le			Ln							
				Speed (mph)	Center to Receptor			Medium Trucks	Heavy Trucks		Day	Eve	Night	MTd	HTd	MTe	HTe	MTn	HTn	A	MT	HT	Adj	A	MT	HT	Total	A	MT	HT	Total	A	MT	HT	Total
<b>EI Molino Ave n/o Corson St</b>																																			
Existing		2	6,088	25	75	0	0	1.8%	0.7%	56.7	####	773	584	96	38	6	1	8	3	59.4	71.1	78.7	-1.8	54.2	49.0	52.6	57.2	51.2	41.4	42.5	52.1	38.0	39.5	43.4	45.7
Existing w/ Project		2	6,104	25	75	0	0	1.8%	0.7%	56.7	####	775	586	96	38	6	1	8	3	59.4	71.1	78.7	-1.8	54.2	49.0	52.6	57.2	51.2	41.4	42.5	52.1	38.0	39.6	43.4	45.7
<b>EI Molino Ave s/o Corson St</b>																																			
Existing		2	6,320	25	75	0	0	1.8%	0.7%	56.8	####	803	607	99	39	6	1	9	4	59.4	71.1	78.7	-1.8	54.3	49.2	52.8	57.4	51.3	41.6	42.6	52.3	38.2	39.7	43.6	45.9
Existing w/ Project		2	6,320	25	75	0	0	1.8%	0.7%	56.8	####	803	607	99	39	6	1	9	4	59.4	71.1	78.7	-1.8	54.3	49.2	52.8	57.4	51.3	41.6	42.6	52.3	38.2	39.7	43.6	45.9
<b>Corson St e/o EI Molino Ave</b>																																			
Existing		2	6,216	25	75	0	0	1.8%	0.7%	56.8	####	789	597	98	39	6	1	8	4	59.4	71.1	78.7	-1.8	54.3	49.1	52.7	57.3	51.3	41.5	42.6	52.2	38.1	39.6	43.5	45.8
Existing w/ Project		2	6,296	25	75	0	0	1.8%	0.7%	56.8	####	800	604	99	39	6	1	9	4	59.4	71.1	78.7	-1.8	54.3	49.1	52.8	57.3	51.3	41.6	42.6	52.3	38.1	39.7	43.5	45.8
<b>Corson St w/o EI Molino Ave</b>																																			
Existing		2	6,208	25	75	0	0	1.8%	0.7%	56.8	####	788	596	98	39	6	1	8	4	59.4	71.1	78.7	-1.8	54.2	49.1	52.7	57.3	51.3	41.5	42.6	52.2	38.1	39.6	43.5	45.8
Existing w/ Project		2	6,304	25	75	0	0	1.8%	0.7%	56.8	####	801	605	99	39	6	1	9	4	59.4	71.1	78.7	-1.8	54.3	49.2	52.8	57.3	51.3	41.6	42.6	52.3	38.1	39.7	43.6	45.9

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

**Project Name**  
**Weekday PM Peak Hour Volumes**

rev. (Date)

Intersection: 10  
 El Molino Ave at Walnut St

If Peak Hour = 6% of ADT, Scaling Factor = 16.667  
 If Peak Hour = 7% of ADT, Scaling Factor = 14.286  
 If Peak Hour = 8% of ADT, Scaling Factor = 12.5  
 If Peak Hour = 9% of ADT, Scaling Factor = 11.111  
 If Peak Hour = 10% of ADT, Scaling Factor = 10

**El Molino Ave**

Southbound

	right	through	left
Existing	60	173	7
Existing w/ Proje	61	173	7

Westbound

	right	through	left
Existing	89	661	38
Existing w/ Proje	89	663	38

Northbound

	left	through	right
Existing	20	315	59
Existing w/ Proje	21	315	59

Eastbound

	left	through	right
Existing	53	703	52
Existing w/ Proje	53	710	57

W      N  
           E      S

Walnut St

ADT

Road	El Molino Ave		Walnut St	
	North of	South of	East of	West of
Leg	Walnut St		El Molino Ave	
Cross Street	Walnut St		El Molino Ave	
Existing	5,576.0	5,256.0	12,456.0	12,392.0
Existing w/ Proje	5,584.0	5,304.0	12,528.0	12,520.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

