

Appendix D

Noise Data and Calculations



File name AU2_0101
 File number 1
 Data number 2
 Frequency-weight A
 Time-weight Fast
 Filter -
 Center/High pass filter cutoff -
 Low pass filter cutoff -
 Time setting 15min
 Start Time 5/20/2015 7:25
 Stop Time 5/20/2015 7:40
 Lx1 L10
 Lx2 L33
 Lx3 L50
 Lx4 L90
 Lx5 L95
 Ly Lppeak

Address	Time	Measurment Time	LAeq	LAE	LAmx	L Amin	LA10	LA33
1	5/20/2015 7:25	0:15:00	64.9	94.4	77.8	51	68.1	65.4
			LA90	LA95	Lppeak	Over	Under	Pause
			57.2	55.1	98.6	-	-	-

LA50

63.7

File name AU2_0102
 File number 1
 Data number 2
 Frequency-weight A
 Time-weight Fast
 Filter -
 Center/High pass filter cutoff -
 Low pass filter cutoff -
 Time setting 15min
 Start Time 5/20/2015 8:00
 Stop Time 5/20/2015 8:15
 Lx1 L10
 Lx2 L33
 Lx3 L50
 Lx4 L90
 Lx5 L95
 Ly Lppeak

Address	Time	Measurement Time	LAeq	LAE	LAmx	L Amin	LA10	LA33
1	5/20/2015 8:00	0:15:00	70.8	100.3	87	52.1	74.8	70.6
			LA90	LA95	Lppeak	Over	Under	Pause
			56.5	55.4	107.9	-	-	-

LA50

66.6

File name AU2_0103
 File number 1
 Data number 2
 Frequency-weight A
 Time-weight Fast
 Filter -
 Center/High pass filter cutoff -
 Low pass filter cutoff -
 Time setting 15min
 Start Time 5/20/2015 8:30
 Stop Time 5/20/2015 8:45
 Lx1 L10
 Lx2 L33
 Lx3 L50
 Lx4 L90
 Lx5 L95
 Ly Lppeak

Address	Time	Measurment Time	LAeq	LAE	LAmx	L Amin	LA10	LA33
1	5/20/2015 8:30	0:15:00	68.5	98.1	81.2	49.1	73	68.4
			LA90	LA95	Lppeak	Over	Under	Pause
			53.7	52.3	103.4	-	-	-

LA50

64.4

RESULTS: SOUND LEVELS

15-01260

Rincon Consultants	1 July 2015
Sarah Richman	TNM 2.5
	Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	15-01260
RUN:	Civic Center Existing Traffic
BARRIER DESIGN:	INPUT HEIGHTS
ATMOSPHERICS:	20 deg C, 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	Increase over existing		With Barrier					
			LAeq1h	LAeq1h	Crit'n	Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Third St Noise Meas	1	1	0.0	68.6	66	68.6	10	Snd Lvl	68.6	0.0	8	-8.0
Broadway Noise Meas	2	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0
Ocean Noise Meas	3	1	0.0	74.6	66	74.6	10	Snd Lvl	74.6	0.0	8	-8.0
Third St E of Pacific	14	1	0.0	68.0	66	68.0	10	Snd Lvl	68.0	0.0	8	-8.0
Third St North of Third West of Pacific	15	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
Third St NW Corner Third and Cedar	16	1	0.0	70.2	66	70.2	10	Snd Lvl	70.2	0.0	8	-8.0
Third St SW Corner Third and Cedar	17	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0
Third St Btwn Cedar and Chestnut	18	1	0.0	69.3	66	69.3	10	Snd Lvl	69.3	0.0	8	-8.0
Third St SE of Chestnut and Pacific Interse	19	1	0.0	67.4	66	67.4	10	Snd Lvl	67.4	0.0	8	-8.0
Third St NW Corner Third and Chestnut	20	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0
Third ST NW Corner Third and Magnolia	21	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0
Pacific NE Corner Pacific and Broadway	23	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0
Cedar Church Btwn Third and Broadway	24	1	0.0	65.8	66	65.8	10	----	65.8	0.0	8	-8.0
Third St btwn Magnolia and Chestnut	25	1	0.0	67.5	66	67.5	10	Snd Lvl	67.5	0.0	8	-8.0
Future Library on Broadway btwn Pacific a	26	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0
Future Library on Pacific btwn Broadway a	27	1	0.0	68.8	66	68.8	10	Snd Lvl	68.8	0.0	8	-8.0
Future Park on Ocean	28	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0
Future Residence NE corner Broadway an	29	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
Ocean NW Corner Ocean and Pacific	30	1	0.0	71.8	66	71.8	10	Snd Lvl	71.8	0.0	8	-8.0
Ocean NW Corner Ocean and Cedar	31	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0
Ocean NE Corner Ocean and Chestnut	32	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0
Ocean btwn Chestnut and Magnolia	33	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
Third St NW Corner Third and Pacific	35	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0
Third St NE Corner Pacific and Cedar	36	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0

RESULTS: SOUND LEVELS

15-01260

Third St SW Corner Third and Chestnut	37	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
Chestnut btwn Third and Broadway	38	1	0.0	65.3	66	65.3	10	----	65.3	0.0	8	-8.0
Broadway NW corner Chestnut and Broad	39	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0
Broadway btwn Chestnut and Magnolia	40	1	0.0	69.3	66	69.3	10	Snd Lvl	69.3	0.0	8	-8.0
Broadway NE corner Chestnut and Magnolia	41	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0
Magnolia btwn Third and Broadway	42	1	0.0	70.0	66	70.0	10	Snd Lvl	70.0	0.0	8	-8.0
Third St NE Corner Third and Magnolia	43	1	0.0	69.1	66	69.1	10	Snd Lvl	69.1	0.0	8	-8.0
Chestnut E of Chestnut btwn Third and Bro	44	1	0.0	64.1	66	64.1	10	----	64.1	0.0	8	-8.0
Future Residential SE Corner Third and C	45	1	0.0	66.5	66	66.5	10	Snd Lvl	66.5	0.0	8	-8.0
Future Residential SW Corner Third and P	46	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Future Residential W of Pacific btwn Third	47	1	0.0	68.4	66	68.4	10	Snd Lvl	68.4	0.0	8	-8.0
Future Residential NW corner Pacific and	48	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0
Future Residential north of Broadway btwn	49	1	0.0	68.9	66	68.9	10	Snd Lvl	68.9	0.0	8	-8.0
Future Residential NE corner Broadway ar	50	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0
Future Residential E of Cedar btwn Broad	51	1	0.0	65.2	66	65.2	10	----	65.2	0.0	8	-8.0
Pacific E of Pacific btwn Third and Broad	52	1	0.0	68.4	66	68.4	10	Snd Lvl	68.4	0.0	8	-8.0
Future Library NW corner Broadway and P	53	1	0.0	71.0	66	71.0	10	Snd Lvl	71.0	0.0	8	-8.0
Ocean btwn Cedar and Chestnut	55	1	0.0	71.8	66	71.8	10	Snd Lvl	71.8	0.0	8	-8.0
Future Park at Pacific and 1st	57	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		43	0.0	0.0	0.0							
All Impacted		39	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

15-01260

Rincon Consultants									1 July 2015				
Sarah Richman									TNM 2.5				
									Calculated with TNM 2.5				

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	15-01260												
RUN:	Civic Center Existing Plus 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:	20 deg C, 50% RH												

Receiver												
Name	No.	#DUs	Existing	No Barrier	Crit'n	Increase over existing	Type	With Barrier				
			L _{Aeq1h}	L _{Aeq1h}				Calculated	Crit'n	Impact	Calculated	Noise Reduction
			dBA	dBA	dBA	dB		dBA	dB	dB	dB	Calculated minus Goal
Third St Noise Meas	1	1	0.0	69.6	66	69.6	10	Snd Lvl	69.6	0.0	8	-8.0
Broadway Noise Meas	2	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0
Ocean Noise Meas	3	1	0.0	74.6	66	74.6	10	Snd Lvl	74.6	0.0	8	-8.0
Third St E of Pacific	14	1	0.0	68.5	66	68.5	10	Snd Lvl	68.5	0.0	8	-8.0
Third St North of Third West of Pacific	15	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
Third St NW Corner Third and Cedar	16	1	0.0	71.2	66	71.2	10	Snd Lvl	71.2	0.0	8	-8.0
Third St SW Corner Third and Cedar	17	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
Third St Btwn Cedar and Chestnut	18	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Third St SE of Chestnut and Pacific Interse	19	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
Third St NW Corner Third and Chestnut	20	1	0.0	71.5	66	71.5	10	Snd Lvl	71.5	0.0	8	-8.0
Third ST NW Corner Third and Magnolia	21	1	0.0	71.6	66	71.6	10	Snd Lvl	71.6	0.0	8	-8.0
Pacific NE Corner Pacific and Broadway	23	1	0.0	71.5	66	71.5	10	Snd Lvl	71.5	0.0	8	-8.0
Cedar Church Btwn Third and Broadway	24	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Third St btwn Magnolia and Chestnut	25	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
Future Library on Broadway btwn Pacific a	26	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
Future Library on Pacific btwn Broadway a	27	1	0.0	68.6	66	68.6	10	Snd Lvl	68.6	0.0	8	-8.0
Future Park on Ocean	28	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0
Future Residence NE corner Broadway an	29	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0
Ocean NW Corner Ocean and Pacific	30	1	0.0	71.8	66	71.8	10	Snd Lvl	71.8	0.0	8	-8.0
Ocean NW Corner Ocean and Cedar	31	1	0.0	69.3	66	69.3	10	Snd Lvl	69.3	0.0	8	-8.0
Ocean NE Corner Ocean and Chestnut	32	1	0.0	72.0	66	72.0	10	Snd Lvl	72.0	0.0	8	-8.0
Ocean btwn Chestnut and Magnolia	33	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
Third St NW Corner Third and Pacific	35	1	0.0	71.6	66	71.6	10	Snd Lvl	71.6	0.0	8	-8.0
Third St NE Corner Pacific and Cedar	36	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0

RESULTS: SOUND LEVELS

15-01260

Third St SW Corner Third and Chestnut	37	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0
Chestnut btwn Third and Broadway	38	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
Broadway NW corner Chestnut and Broad	39	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
Broadway btwn Chestnut and Magnolia	40	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0
Broadway NE corner Chestnut and Magnolia	41	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
Magnolia btwn Third and Broadway	42	1	0.0	70.7	66	70.7	10	Snd Lvl	70.7	0.0	8	-8.0
Third St NE Corner Third and Magnolia	43	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0
Chestnut E of Chestnut btwn Third and Bro	44	1	0.0	66.6	66	66.6	10	Snd Lvl	66.6	0.0	8	-8.0
Future Residential SE Corner Third and C	45	1	0.0	68.7	66	68.7	10	Snd Lvl	68.7	0.0	8	-8.0
Future Residential SW Corner Third and P	46	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0
Future Residential W of Pacific btwn Third	47	1	0.0	68.9	66	68.9	10	Snd Lvl	68.9	0.0	8	-8.0
Future Residential NW corner Pacific and	48	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
Future Residential north of Broadway btwn	49	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Future Residential NE corner Broadway ar	50	1	0.0	72.0	66	72.0	10	Snd Lvl	72.0	0.0	8	-8.0
Future Residential E of Cedar btwn Broad	51	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
Pacific E of Pacific btwn Third and Broad	52	1	0.0	69.0	66	69.0	10	Snd Lvl	69.0	0.0	8	-8.0
Future Library NW corner Broadway and P	53	1	0.0	71.6	66	71.6	10	Snd Lvl	71.6	0.0	8	-8.0
Ocean btwn Cedar and Chestnut	54	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0
Future Park at Pacific and 1st	55	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		43	0.0	0.0	0.0							
All Impacted		43	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

15-01260

Rincon Consultants	22 July 2015
Sarah Richman	TNM 2.5
	Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	15-01260	
RUN:	Civic Center Cumulative	
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:	20 deg C, 50% RH	

Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	existing Crit'n	Sub'l Inc	With Barrier				
									Type Impact	Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
										dBA	dB	dB	dB
Third St Noise Meas	1	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0	
Broadway Noise Meas	2	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0	
Ocean Noise Meas	3	1	0.0	75.0	66	75.0	10	Snd Lvl	75.0	0.0	8	-8.0	
Third St E of Pacific	14	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0	
Third St North of Third West of Pacific	15	1	0.0	70.0	66	70.0	10	Snd Lvl	70.0	0.0	8	-8.0	
Third St NW Corner Third and Cedar	16	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0	
Third St SW Corner Third and Cedar	17	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0	
Third St Btwn Cedar and Chestnut	18	1	0.0	69.6	66	69.6	10	Snd Lvl	69.6	0.0	8	-8.0	
Third St SE of Chestnut and Pacific Interse	19	1	0.0	67.6	66	67.6	10	Snd Lvl	67.6	0.0	8	-8.0	
Third St NW Corner Third and Chestnut	20	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0	
Third ST NW Corner Third and Magnolia	21	1	0.0	71.2	66	71.2	10	Snd Lvl	71.2	0.0	8	-8.0	
Pacific NE Corner Pacific and Broadway	23	1	0.0	71.6	66	71.6	10	Snd Lvl	71.6	0.0	8	-8.0	
Cedar Church Btwn Third and Broadway	24	1	0.0	66.1	66	66.1	10	Snd Lvl	66.1	0.0	8	-8.0	
Third St btwn Magnolia and Chestnut	25	1	0.0	67.7	66	67.7	10	Snd Lvl	67.7	0.0	8	-8.0	
Future Library on Broadway btwn Pacific a	26	1	0.0	71.7	66	71.7	10	Snd Lvl	71.7	0.0	8	-8.0	
Future Library on Pacific btwn Broadway a	27	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0	
Future Park on Ocean	28	1	0.0	70.2	66	70.2	10	Snd Lvl	70.2	0.0	8	-8.0	
Future Residence NE corner Broadway an	29	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0	
Ocean NW Corner Ocean and Pacific	30	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0	
Ocean NW Corner Ocean and Cedar	31	1	0.0	69.6	66	69.6	10	Snd Lvl	69.6	0.0	8	-8.0	
Ocean NE Corner Ocean and Chestnut	32	1	0.0	72.3	66	72.3	10	Snd Lvl	72.3	0.0	8	-8.0	
Ocean btwn Chestnut and Magnolia	33	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0	
Third St NW Corner Third and Pacific	35	1	0.0	71.4	66	71.4	10	Snd Lvl	71.4	0.0	8	-8.0	
Third St NE Corner Pacific and Cedar	36	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0	

RESULTS: SOUND LEVELS

15-01260

Third St SW Corner Third and Chestnut	37	1	0.0	68.5	66	68.5	10	Snd Lvl	68.5	0.0	8	-8.0
Chestnut btwn Third and Broadway	38	1	0.0	65.5	66	65.5	10	----	65.5	0.0	8	-8.0
Broadway NW corner Chestnut and Broad	39	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
Broadway btwn Chestnut and Magnolia	40	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0
Broadway NE corner Chestnut and Magnolia	41	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
Magnolia btwn Third and Broadway	42	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
Third St NE Corner Third and Magnolia	43	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
Chestnut E of Chestnut btwn Third and Bro	44	1	0.0	64.3	66	64.3	10	----	64.3	0.0	8	-8.0
Future Residential SE Corner Third and C	45	1	0.0	66.9	66	66.9	10	Snd Lvl	66.9	0.0	8	-8.0
Future Residential SW Corner Third and P	46	1	0.0	70.6	66	70.6	10	Snd Lvl	70.6	0.0	8	-8.0
Future Residential W of Pacific btwn Third	47	1	0.0	69.0	66	69.0	10	Snd Lvl	69.0	0.0	8	-8.0
Future Residential NW corner Pacific and	48	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
Future Residential north of Broadway btwn	49	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0
Future Residential NE corner Broadway ar	50	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Future Residential E of Cedar btwn Broad	51	1	0.0	65.6	66	65.6	10	----	65.6	0.0	8	-8.0
Pacific E of Pacific btwn Third and Broad	52	1	0.0	69.0	66	69.0	10	Snd Lvl	69.0	0.0	8	-8.0
Future Library NW corner Broadway and P	53	1	0.0	71.7	66	71.7	10	Snd Lvl	71.7	0.0	8	-8.0
Ocean btwn Cedar and Chestnut	54	1	0.0	72.2	66	72.2	10	Snd Lvl	72.2	0.0	8	-8.0
Future Park at Pacific and 1st	55	1	0.0	67.5	66	67.5	10	Snd Lvl	67.5	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		43	0.0	0.0	0.0							
All Impacted		40	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

15-01260

Rincon Consultants										22 July 2015			
Sarah Richman										TNM 2.5			
										Calculated with TNM 2.5			

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:	15-01260												
RUN:	Civic Center Cumulative Plus Project												
BARRIER DESIGN:	INPUT HEIGHTS												
ATMOSPHERICS:	20 deg C, 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			Increase over existing			With Barrier			
			LAeq1h	LAeq1h	Crit'n	Calculated	Crit'n	Type	Calculated	Noise Reduction			
				Calculated						Calculated	Goal	Calculated minus Goal	
			dBA	dBA	dBA	dB	dB	Impact	dBA	dB	dB	dB	
Third St Noise Meas	1	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0	
Broadway Noise Meas	2	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0	
Ocean Noise Meas	3	1	0.0	74.9	66	74.9	10	Snd Lvl	74.9	0.0	8	-8.0	
Third St E of Pacific	14	1	0.0	68.8	66	68.8	10	Snd Lvl	68.8	0.0	8	-8.0	
Third St North of Third West of Pacific	15	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0	
Third St NW Corner Third and Cedar	16	1	0.0	71.6	66	71.6	10	Snd Lvl	71.6	0.0	8	-8.0	
Third St SW Corner Third and Cedar	17	1	0.0	70.7	66	70.7	10	Snd Lvl	70.7	0.0	8	-8.0	
Third St Btwn Cedar and Chestnut	18	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0	
Third St SE of Chestnut and Pacific Interse	19	1	0.0	68.5	66	68.5	10	Snd Lvl	68.5	0.0	8	-8.0	
Third St NW Corner Third and Chestnut	20	1	0.0	71.7	66	71.7	10	Snd Lvl	71.7	0.0	8	-8.0	
Third ST NW Corner Third and Magnolia	21	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0	
Pacific NE Corner Pacific and Broadway	23	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0	
Cedar Church Btwn Third and Broadway	24	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0	
Third St btwn Magnolia and Chestnut	25	1	0.0	68.6	66	68.6	10	Snd Lvl	68.6	0.0	8	-8.0	
Future Library on Broadway btwn Pacific a	26	1	0.0	72.0	66	72.0	10	Snd Lvl	72.0	0.0	8	-8.0	
Future Library on Pacific btwn Broadway a	27	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0	
Future Park on Ocean	28	1	0.0	70.2	66	70.2	10	Snd Lvl	70.2	0.0	8	-8.0	
Future Residence NE corner Broadway an	29	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0	
Ocean NW Corner Ocean and Pacific	30	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0	
Ocean NW Corner Ocean and Cedar	31	1	0.0	69.6	66	69.6	10	Snd Lvl	69.6	0.0	8	-8.0	
Ocean NE Corner Ocean and Chestnut	32	1	0.0	72.3	66	72.3	10	Snd Lvl	72.3	0.0	8	-8.0	
Ocean btwn Chestnut and Magnolia	33	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0	
Third St NW Corner Third and Pacific	35	1	0.0	72.0	66	72.0	10	Snd Lvl	72.0	0.0	8	-8.0	
Third St NE Corner Pacific and Cedar	36	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0	

RESULTS: SOUND LEVELS

15-01260

Third St SW Corner Third and Chestnut	37	1	0.0	69.4	66	69.4	10	Snd Lvl	69.4	0.0	8	-8.0
Chestnut btwn Third and Broadway	38	1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	0.0	8	-8.0
Broadway NW corner Chestnut and Broad	39	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0
Broadway btwn Chestnut and Magnolia	40	1	0.0	71.0	66	71.0	10	Snd Lvl	71.0	0.0	8	-8.0
Broadway NE corner Chestnut and Magnolia	41	1	0.0	73.4	66	73.4	10	Snd Lvl	73.4	0.0	8	-8.0
Magnolia btwn Third and Broadway	42	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0
Third St NE Corner Third and Magnolia	43	1	0.0	70.1	66	70.1	10	Snd Lvl	70.1	0.0	8	-8.0
Chestnut E of Chestnut btwn Third and Bro	44	1	0.0	65.9	66	65.9	10	----	65.9	0.0	8	-8.0
Future Residential SE Corner Third and C	45	1	0.0	68.9	66	68.9	10	Snd Lvl	68.9	0.0	8	-8.0
Future Residential SW Corner Third and P	46	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0
Future Residential W of Pacific btwn Third	47	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0
Future Residential NW corner Pacific and	48	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0
Future Residential north of Broadway btwn	49	1	0.0	69.9	66	69.9	10	Snd Lvl	69.9	0.0	8	-8.0
Future Residential NE corner Broadway ar	50	1	0.0	71.8	66	71.8	10	Snd Lvl	71.8	0.0	8	-8.0
Future Residential E of Cedar btwn Broad	51	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
Pacific E of Pacific btwn Third and Broad	52	1	0.0	69.3	66	69.3	10	Snd Lvl	69.3	0.0	8	-8.0
Future Library NW corner Broadway and P	53	1	0.0	71.7	66	71.7	10	Snd Lvl	71.7	0.0	8	-8.0
Ocean btwn Cedar and Chestnut	54	1	0.0	72.2	66	72.2	10	Snd Lvl	72.2	0.0	8	-8.0
Future Park at Pacific and 1st	55	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		43	0.0	0.0	0.0							
All Impacted		42	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							