

APPENDIX F

Noise Calculations

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**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Output Summary Sheet**

Project #: 211723
 Description: Baseline + Max Retail
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----						
				75	70	65	60	55		
1	Ygnacio Valley Road	East of Civic Drive	69.1	31	66	142	305	658		
2	Main Street	North of Mt. Diablo	57.7	5	11	24	53	113		
3	Main Street	South of Mt. Diablo	58.8	6	13	29	62	134		
4	Mt. Diablo	West of Main Street	61.8	10	21	46	99	213		
5	Broadway	North of Mt. Diablo	64.0	14	30	65	140	301		
6	Broadway	South of Mt. Diablo	62.2	11	23	49	106	228		
7	Mt. Diablo	East of Broadway	61.5	10	20	44	95	205		
8	Olympic Blvd.	East of Alpine Road	63.4	13	27	59	127	274		
9	Newell Avenue	East of California Blvd.	63.0	12	26	55	118	255		
10	San Miguel	East of Newell	57.1	5	10	22	48	103		
11	Broadway	South of Newell	61.7	10	21	45	98	211		

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Project #: 211723
 Description: Baseline No Project
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----					
				75	70	65	60	55	
1	Ygnacio Valley Road	East of Civic Drive	69.1	30	65	141	304	654	
2	Main Street	North of Mt. Diablo	57.6	5	11	24	52	113	
3	Main Street	South of Mt. Diablo	58.3	6	12	27	58	124	
4	Mt. Diablo	West of Main Street	61.6	10	21	44	95	205	
5	Broadway	North of Mt. Diablo	63.8	13	29	62	134	289	
6	Broadway	South of Mt. Diablo	61.9	10	22	47	101	217	
7	Mt. Diablo	East of Broadway	61.4	9	20	43	93	200	
8	Olympic Blvd.	East of Alpine Road	63.3	12	27	58	124	267	
9	Newell Avenue	East of California Blvd.	62.8	12	25	53	115	248	
10	San Miguel	East of Newell	56.8	5	10	21	46	99	
11	Broadway	South of Newell	61.7	10	21	45	97	209	

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Output Summary Sheet**

Project #: 211723
 Description: Baseline + Mixed Use
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----					
				75	70	65	60	55	
1	Ygnacio Valley Road	East of Civic Drive	69.1	30	66	141	305	656	
2	Main Street	North of Mt. Diablo	57.7	5	11	24	53	113	
3	Main Street	South of Mt. Diablo	58.7	6	13	28	61	132	
4	Mt. Diablo	West of Main Street	61.8	10	21	46	98	211	
5	Broadway	North of Mt. Diablo	64.0	14	30	64	139	299	
6	Broadway	South of Mt. Diablo	62.2	11	23	49	105	226	
7	Mt. Diablo	East of Broadway	61.5	9	20	44	94	203	
8	Olympic Blvd.	East of Alpine Road	63.4	13	27	59	127	273	
9	Newell Avenue	East of California Blvd.	62.9	12	25	55	118	254	
10	San Miguel	East of Newell	57.0	5	10	22	47	102	
11	Broadway	South of Newell	61.7	10	21	45	98	210	

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Output Summary Sheet**

Project #: 211723
 Description: Cumulative + Max Retail
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----					
				75	70	65	60	55	
1	Ygnacio Valley Road	East of Civic Drive	69.3	31	67	144	311	669	
2	Main Street	North of Mt. Diablo	61.7	10	21	45	97	209	
3	Main Street	South of Mt. Diablo	63.1	12	26	56	121	262	
4	Mt. Diablo	West of Main Street	62.0	10	22	47	102	220	
5	Broadway	North of Mt. Diablo	66.1	19	41	88	191	410	
6	Broadway	South of Mt. Diablo	62.8	12	25	54	116	250	
7	Mt. Diablo	East of Broadway	63.5	13	28	59	128	275	
8	Olypmic Blvd.	East of Alpine Road	65.0	16	35	75	162	349	
9	Newell Avenue	East of California Blvd.	63.8	13	29	63	135	290	
10	San Miguel	East of Newell	60.4	8	17	37	79	171	
11	Broadway	South of Newell	62.2	11	23	49	106	228	

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Output Summary Sheet**

Project #: 211723
 Description: Cumulative + Mixed Use
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----						
				75	70	65	60	55		
1	Ygnacio Valley Road	East of Civic Drive	69.3	31	67	144	310	669		
2	Main Street	North of Mt. Diablo	61.7	10	21	45	97	209		
3	Main Street	South of Mt. Diablo	63.1	12	26	56	121	260		
4	Mt. Diablo	West of Main Street	61.9	10	22	47	101	218		
5	Broadway	North of Mt. Diablo	66.1	19	41	88	190	409		
6	Broadway	South of Mt. Diablo	62.8	12	25	54	115	248		
7	Mt. Diablo	East of Broadway	63.4	13	27	59	127	274		
8	Olympic Blvd.	East of Alpine Road	65.0	16	35	75	161	348		
9	Newell Avenue	East of California Blvd.	63.8	13	29	62	134	289		
10	San Miguel	East of Newell	60.3	8	17	37	79	170		
11	Broadway	South of Newell	62.2	11	23	49	105	227		

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Output Summary Sheet**

Project #: 211723
 Description: Cumulative No P
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----						
				75	70	65	60	55		
1	Ygnacio Valley Road	East of Civic Drive	69.2	31	67	144	309	667		
2	Main Street	North of Mt. Diablo	61.7	10	21	45	97	208		
3	Main Street	South of Mt. Diablo	63.0	12	25	55	118	255		
4	Mt. Diablo	West of Main Street	61.8	10	21	46	98	212		
5	Broadway	North of Mt. Diablo	65.9	19	40	86	186	400		
6	Broadway	South of Main Street	62.6	11	24	52	111	240		
7	Mt. Diablo	East of Broadway	63.4	13	27	58	126	272		
8	Olypmic Blvd.	East of Alpine Road	64.9	16	34	74	159	343		
9	Newell Avenue	East of California Blvd.	63.7	13	28	61	131	283		
10	San Miguel	East of Newell	60.3	8	17	36	78	168		
11	Broadway	South of Newell	62.2	10	23	49	105	226		