
APPENDIX G
NOISE

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: X
 Project Name: **Sutter County GPU Existing (2009)**

Background Information

Model Description: **FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.**
 Source of Traffic Volumes: **DKS**
 Community Noise Descriptor: **L_{dn}: X CNEL:**

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.7%	12.7%	9.6%
Medium-Duty Trucks	87.4%	5.1%	7.5%
Heavy-Duty Trucks	89.1%	2.8%	8.1%

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Ldn at 75 Feet	Distance from Centerline of Roadway			
							Medium Trucks	Heavy Trucks		70 Ldn	65 Ldn	60 Ldn	55 Ldn
State Route 20	Colussa County Line	2	0	7,200	55	0.5	3.3%	1.7%	64.4	-	69	148	319
	Sutter Bypass	2	0	7,200	55	0.5	3.3%	1.7%	64.4	-	69	148	319
	Acacia Avenue	2	0	9,500	55	0.5	3.3%	1.7%	65.6	38	83	178	383
	Humphery Road	4	0	9,500	55	0.5	3.3%	1.7%	65.8	-	85	183	393
	Township Road	4	0	12,200	55	0.5	3.3%	1.7%	66.9	46	100	216	465
	George Washignton Blvd	4	0	17,500	55	0.5	3.3%	1.7%	68.5	59	127	274	591
State Route 70	Junction 99	2	0	18,700	65	0.5	6.7%	3.3%	71.8	99	214	461	994
	Nicolaus Ave	2	0	19,200	65	0.5	6.7%	3.3%	71.9	101	218	470	1,012
State Route 99	Sacramento County Line	4	0	39,500	55	0.5	6.7%	3.3%	73.7	133	287	617	1,330
	Riego Road	4	0	33,500	55	0.5	6.7%	3.3%	73.0	119	257	553	1,192
	Sankey Road	4	0	33,500	55	0.5	6.7%	3.3%	73.0	119	257	553	1,192
	Howsley Road	4	0	33,500	55	0.5	6.7%	3.3%	73.0	119	257	553	1,192
	Junction 70	2	0	16,200	55	0.5	6.7%	3.3%	69.7	71	154	332	715
	Garden Highway	2	0	17,400	55	0.5	6.7%	3.3%	70.0	75	162	348	750
	Sacramento Ave	2	0	17,600	55	0.5	6.7%	3.3%	70.0	76	163	351	756
	Tudor Road	2	0	14,400	55	0.5	6.7%	3.3%	69.2	66	142	307	661
	Junction Route 113	2	0	17,300	55	0.5	6.7%	3.3%	70.0	75	161	347	747
	O'Banion Road	4	0	17,300	55	0.5	6.7%	3.3%	70.1	77	165	356	767
	Oswald Road	4	0	19,600	55	0.5	6.7%	3.3%	70.7	83	180	387	834
	Barry Road	4	0	21,100	55	0.5	6.7%	3.3%	71.0	88	189	406	876
	Bougue Road	4	0	26,500	45	0.5	6.7%	3.3%	70.3	78	169	364	784
	Lincoln Road	4	0	26,500	45	0.5	6.7%	3.3%	70.3	78	169	364	784
	Franklin Road	4	0	36,000	45	0.5	6.7%	3.3%	71.6	96	207	446	962
Bridge Street	4	0	21,800	45	0.5	6.7%	3.3%	69.4	69	148	320	688	

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Ldn at 75 Feet	Distance from Centerline of Roadway			
							Medium Trucks	Heavy Trucks		70 Ldn	65 Ldn	60 Ldn	55 Ldn
	Junction Route 20	4	0	20,300	45	0.5	6.7%	3.3%	69.1	66	141	305	656
	Queens Ave	4	0	20,300	45	0.5	6.7%	3.3%	69.1	66	141	305	656
	Pease Ave	4	0	20,300	55	0.5	6.7%	3.3%	70.8	85	184	396	853
	Eager Road	4	0	17,800	55	0.5	6.7%	3.3%	70.3	78	168	363	782
	End Freeway	2	0	17,800	55	0.5	6.7%	3.3%	70.1	76	164	353	761
	Encinal Road	2	0	19,900	55	0.5	6.7%	3.3%	70.6	82	177	381	820
	Live Oak Blvd	2	0	15,600	55	0.5	6.7%	3.3%	69.5	70	150	324	697
	Paseo Ave	2	0	15,600	55	0.5	6.7%	3.3%	69.5	70	150	324	697
	Live Oak City Limits	3	0	15,600	40	0.5	6.7%	3.3%	66.9	47	101	218	469
	Pennington Road	3	0	15,600	40	0.5	6.7%	3.3%	66.9	47	101	218	469
	Live Oak City Limits	2	0	15,600	55	0.5	6.7%	3.3%	69.5	70	150	324	697
State Route 113	Yolo County Line	2	0	7,400	55	0.5	6.7%	3.3%	66.3	42	91	197	424
	Knights Road	2	0	7,400	55	0.5	6.7%	3.3%	66.3	42	91	197	424
	Del Monte Avenue	2	0	5,500	55	0.5	6.7%	3.3%	65.0	35	75	161	348
	Sutter Bypass	2	0	5,800	55	0.5	6.7%	3.3%	65.2	36	78	167	360
	George Washington Blvd	2	0	3,850	55	0.5	6.7%	3.3%	63.4	-	59	127	274
Acacia Ave	Butte House Rd	2	0	4,660	45	0.5	1.8%	0.7%	59.2	-	-	66	142
	State Route 20	2	0	1,070	45	0.5	1.8%	0.7%	52.8	-	-	-	53
Bear River Road	Swanson Road	2	0	990	50	0.5	1.8%	0.7%	53.5	-	-	-	60
	Pleasant Grove Road	2	0	1,040	50	0.5	1.8%	0.7%	53.8	-	-	-	62
Bogue Road	Township Road	2	0	934	55	0.5	1.8%	0.7%	54.3	-	-	-	67
	George Washington Blvd	2	0	2,410	55	0.5	1.8%	0.7%	58.4	-	-	59	127
	Walton Avenue	3	0	5,070	55	0.5	1.8%	0.7%	61.7	-	45	98	210
	State Route 99	3	0	0	55	0.5	1.8%	0.7%	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Broadway	Clark Road	2	0	850	55	0.5	1.8%	0.7%	53.9	-	-	-	63
	Encinal Road	2	0	1,610	45	0.5	1.8%	0.7%	54.5	-	-	32	70
Butte House Road	Acacia Ave	2	0	2,450	50	0.5	1.8%	0.7%	57.5	-	-	51	110
	East Butte Road	3	0	4,370	50	0.5	1.8%	0.7%	60.1	-	-	76	163
	Township Road	3	0	4,120	50	0.5	1.8%	0.7%	59.8	-	-	73	157
Catlett Road	Garden Highway	2	0	90	55	0.5	1.8%	0.7%	44.1	-	-	-	-
	State Route 70/99	2	0	620	55	0.5	1.8%	0.7%	52.5	-	-	-	51
	Pleasant Grove Road	2	0	200	55	0.5	1.8%	0.7%	47.6	-	-	-	-
El Margarita Road	State Route 20	2	0	2,320	35	0.5	1.8%	0.7%	53.6	-	-	-	61
Franklin Road	Acacia Avenue	2	0	1,070	55	0.5	1.8%	0.7%	54.9	-	-	34	74
	Township Road	2	0	2,620	55	0.5	1.8%	0.7%	58.8	-	-	62	134
	George Washington Blvd	2	0	5,140	35	0.5	1.8%	0.7%	57.1	-	-	48	103
	El Margarita Road	2	0	8,110	35	0.5	1.8%	0.7%	59.1	-	-	65	140
Garden Highway	Stewart Road	2	0	5,230	55	0.5	1.8%	0.7%	61.8	-	46	99	213
	Messick Road	2	0	4,290	55	0.5	1.8%	0.7%	60.9	-	40	86	186
	O'Banion Road	2	0	4,280	55	0.5	1.8%	0.7%	60.9	-	40	86	186
	State Route 99	2	0	520	55	0.5	1.8%	0.7%	51.8	-	-	-	46
	Catlett Road	2	0	150	55	0.5	1.8%	0.7%	46.4	-	-	-	-

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Ldn at 75 Feet	Distance from Centerline of Roadway			
							Medium Trucks	Heavy Trucks		70 Ldn	65 Ldn	60 Ldn	55 Ldn
George Washington	Riego Rd	2	0	200	55	0.5	1.8%	0.7%	47.6	-	-	-	-
	State Route 20	2	0	7,420	55	0.5	1.8%	0.7%	63.3	-	58	125	268
	Franklin Road	2	0	4,280	55	0.5	1.8%	0.7%	60.9	-	40	86	186
	Lincoln Road	2	0	3,390	55	0.5	1.8%	0.7%	59.9	-	34	74	159
	Bougue Road	2	0	3,940	55	0.5	1.8%	0.7%	60.6	-	38	82	176
	Oswald Road	2	0	3,040	55	0.5	1.8%	0.7%	59.4	-	-	69	148
Howsley Road	State Route 70-99	2	0	2,270	55	0.5	1.8%	0.7%	58.2	-	-	57	122
	Pleasant Grove Road	2	0	1,380	55	0.5	1.8%	0.7%	56.0	-	-	41	87
Humphrey Road	Butte House Rd	2	0	680	55	0.5	1.8%	0.7%	52.9	-	-	-	55
	South Butte Road	2	0	1,910	55	0.5	1.8%	0.7%	57.4	-	-	50	109
	State Route 20	2	0	830	55	0.5	1.8%	0.7%	53.8	-	-	-	62
Larkin Road	Butte County Line	2	0	2,990	55	0.5	1.8%	0.7%	59.4	-	-	68	146
	Live Oak City Limits	2	0	1,500	55	0.5	1.8%	0.7%	56.4	-	-	43	92
	Paseo Ave	2	0	1,500	55	0.5	1.8%	0.7%	56.4	-	-	43	92
	Clark Road	2	0	1,450	55	0.5	1.8%	0.7%	56.2	-	-	42	90
	Encinal Road	2	0	1,390	55	0.5	1.8%	0.7%	56.0	-	-	41	88
Lincoln Road	Clements Road	2	0	560	55	0.5	1.8%	0.7%	52.1	-	-	-	48
	Township Road	2	0	1,040	55	0.5	1.8%	0.7%	54.8	-	-	34	72
	George Washington Blvd	2	0	3,673	40	0.5	1.8%	0.7%	56.9	-	-	47	101
Live Oak Blvd	State Route 99	2	0	6,620	55	0.5	1.8%	0.7%	62.8	-	54	115	249
Moroni - McGrath Rd	Tarke Road	2	0	1,270	55	0.5	1.8%	0.7%	55.6	-	-	38	83
Nicolaus Road	State Route 99	2	0	1,470	55	0.5	1.8%	0.7%	56.3	-	-	42	91
	State Route 70	2	0	1,220	55	0.5	1.8%	0.7%	55.5	-	-	37	81
Oswald Road	Township Road	2	0	590	55	0.5	1.8%	0.7%	52.3	-	-	-	50
	George Washington Blvd	2	0	1,360	55	0.5	1.8%	0.7%	55.9	-	-	40	87
	Walton Avenue	2	0	2,150	55	0.5	1.8%	0.7%	57.9	-	-	55	118
	State Route 99	2	0	200	55	0.5	1.8%	0.7%	47.6	-	-	-	-
Pease Road	Township Road	2	0	810	55	0.5	1.8%	0.7%	53.7	-	-	-	61
	Tierra Buena Road	2	0	1,670	40	0.5	1.8%	0.7%	53.5	-	-	-	60
Pennington Road	North Butte Road	2	0	1,660	55	0.5	1.8%	0.7%	56.8	-	-	46	99
	Township Road	2	0	1,790	55	0.5	1.8%	0.7%	57.1	-	-	48	104
Pleasant Grove Road	Yuba County Line	2	0	3,140	55	0.5	1.8%	0.7%	59.6	-	33	70	151
	Nicolaus Ave	2	0	3,000	55	0.5	1.8%	0.7%	59.4	-	-	68	147
	Catlett Road	2	0	2,330	55	0.5	1.8%	0.7%	58.3	-	-	58	124
	Howsley Road	2	0	1,210	55	0.5	1.8%	0.7%	55.4	-	-	37	80
	Sankey Road	2	0	1,750	55	0.5	1.8%	0.7%	57.0	-	-	48	102
	Riego Road	2	0	1,180	55	0.5	1.8%	0.7%	55.3	-	-	37	79
Power Line Road	Riego Road	2	0	220	55	0.5	1.8%	0.7%	48.0	-	-	-	-
Progress Road	McClatchy Road	2	0	1,010	55	0.5	1.8%	0.7%	54.6	-	-	33	71
	Acme Road	2	0	1,250	55	0.5	1.8%	0.7%	55.6	-	-	38	82
Railroad Avenue	Bogue Road	3	0	2,250	45	0.5	1.8%	0.7%	56.1	-	-	41	88
	Stewart Road	3	0	1,320	45	0.5	1.8%	0.7%	53.8	-	-	-	62

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Ldn at 75 Feet	Distance from Centerline of Roadway				
							Medium Trucks	Heavy Trucks		70 Ldn	65 Ldn	60 Ldn	55 Ldn	
	Berry Road	2	0	1,050	45	0.5	1.8%	0.7%	52.7	-	-	-	53	
Reclamation Road	Progress Road	2	0	1,060	55	0.5	1.8%	0.7%	54.9	-	-	34	73	
	Pelger Road	2	0	1,890	55	0.5	1.8%	0.7%	57.4	-	-	50	108	
Riego Road	Garden Highway	2	0	650	55	0.5	1.8%	0.7%	52.7	-	-	-	53	
	Powerline Road	2	0	650	55	0.5	1.8%	0.7%	52.7	-	-	-	53	
	State Route 70-99	2	0	9,900	55	0.5	1.8%	0.7%	64.6	33	70	151	325	
	Pacific Avenue	2	0	9,900	55	0.5	1.8%	0.7%	64.6	33	70	151	325	
Rio Oso Road	State Route 70	2	0	1,060	55	0.5	1.8%	0.7%	54.9	-	-	34	73	
Riviera Road	Township Road	2	0	450	55	0.5	1.8%	0.7%	51.1	-	-	-	41	
	State Route 99	2	0	460	55	0.5	1.8%	0.7%	51.2	-	-	-	42	
Sankey Road	State Route 70-99	2	0	1,180	55	0.5	1.8%	0.7%	55.3	-	-	37	79	
	Pacific Avenue	2	0	1,080	55	0.5	1.8%	0.7%	54.9	-	-	34	74	
	Pleasant Grove Road	2	0	670	55	0.5	1.8%	0.7%	52.9	-	-	-	54	
Stewart Road	Walton Avenue	2	0	400	35	0.5	1.8%	0.7%	46.0	-	-	-	-	
	State Route 99	2	0	890	35	0.5	1.8%	0.7%	49.5	-	-	-	32	
	Railroad Avenue	2	0	720	35	0.5	1.8%	0.7%	48.5	-	-	-	-	
Swanson Road	Rio Oso Road	2	0	980	50	0.5	1.8%	0.7%	53.5	-	-	-	60	
Tarke Road	State Route 20	2	0	890	55	0.5	1.8%	0.7%	54.1	-	-	-	65	
Tierra Buena Road	Eager Road	2	0	2,180	55	0.5	1.8%	0.7%	58.0	-	-	55	119	
	Pease Ave	2	0	2,360	55	0.5	1.8%	0.7%	58.3	-	-	58	125	
Township Road	Butte County Line	2	0	1,730	55	0.5	1.8%	0.7%	57.0	-	-	47	102	
	Pennington Road	2	0	1,920	55	0.5	1.8%	0.7%	57.4	-	-	51	109	
	Paseo Ave	2	0	1,961	55	0.5	1.8%	0.7%	57.5	-	-	51	111	
	Nuestro Road	2	0	1,540	55	0.5	1.8%	0.7%	56.5	-	-	44	94	
	Pease Ave	2	0	2,349	55	0.5	1.8%	0.7%	58.3	-	-	58	125	
	Butte House Rd	3	0	2,470	45	0.5	1.8%	0.7%	56.5	-	-	44	94	
	State Route 20	2	0	3,330	45	0.5	1.8%	0.7%	57.7	-	-	53	114	
	Franklin Road	2	0	1,530	45	0.5	1.8%	0.7%	54.3	-	-	-	68	
	Lincoln Road	2	0	1,906	55	0.5	1.8%	0.7%	57.4	-	-	50	108	
	Bogue Road	2	0	750	55	0.5	1.8%	0.7%	53.4	-	-	-	58	
	Oswald Road	2	0	380	55	0.5	1.8%	0.7%	50.4	-	-	-	37	
	O'Banion Road	2	0	220	55	0.5	1.8%	0.7%	48.0	-	-	-	-	
	Walton Ave	Bogue Road	2	0	2,690	40	0.5	1.8%	0.7%	55.6	-	-	38	82
		Reed Road	2	0	1,540	40	0.5	1.8%	0.7%	53.2	-	-	-	57
West Catlett Road	Garden Highway	2	0	300	55	0.5	1.8%	0.7%	49.4	-	-	-	-	

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: X
 Project Name: **Sutter County GPU (2030)**

Background Information

Model Description: **FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.**
 Source of Traffic Volumes: **DKS**
 Community Noise Descriptor: **L_{dn}: X CNEL: _____**

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.7%	12.7%	9.6%
Medium-Duty Trucks	87.4%	5.1%	7.5%
Heavy-Duty Trucks	89.1%	2.8%	8.1%

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Ldn at 75 Feet	Distance from Centerline of Roadway			
							Medium Trucks	Heavy Trucks		70 Ldn	65 Ldn	60 Ldn	55 Ldn
State Route 20	Colussa County Line	2	0	11,230	55	0.5	3.3%	1.7%	66.4	43	92	199	428
	Sutter Bypass	2	0	29,240	55	0.5	3.3%	1.7%	70.5	81	175	376	811
	Acacia Avenue	2	0	24,560	55	0.5	3.3%	1.7%	69.8	72	156	335	722
	Humphery Road	4	0	23,340	55	0.5	3.3%	1.7%	69.7	72	154	333	716
	Township Road	4	0	22,760	55	0.5	3.3%	1.7%	69.6	70	152	327	705
	George Washington Blvd	4	0	27,560	55	0.5	3.3%	1.7%	70.4	80	172	372	800
State Route 70	Junction 99	4	0	34,620	65	0.5	6.7%	3.3%	74.7	154	332	714	1,539
	Nicolaus Ave	2	0	32,900	65	0.5	6.7%	3.3%	74.3	145	312	672	1,448
State Route 99	Sacramento County Line	4	0	129,830	55	0.5	6.7%	3.3%	78.9	294	633	1,365	2,940
	Riego Road	4	0	69,010	55	0.5	6.7%	3.3%	76.2	193	416	895	1,929
	Sankey Road	4	0	59,170	55	0.5	6.7%	3.3%	75.5	174	375	808	1,741
	Howsley Road	4	0	58,300	55	0.5	6.7%	3.3%	75.4	172	371	800	1,724
	Junction 70	4	0	21,250	55	0.5	6.7%	3.3%	71.0	88	190	408	880
	Garden Highway	4	0	23,850	55	0.5	6.7%	3.3%	71.5	95	205	441	950
	Sacramento Ave	4	0	24,050	55	0.5	6.7%	3.3%	71.6	96	206	443	955
	Tudor Road	4	0	8,460	55	0.5	6.7%	3.3%	67.0	48	103	221	476
	Junction Route 113	4	0	6,040	55	0.5	6.7%	3.3%	65.6	-	82	177	380
	O'Banion Road	4	0	23,480	55	0.5	6.7%	3.3%	71.5	94	203	436	940
	Oswald Road	4	0	27,330	55	0.5	6.7%	3.3%	72.1	104	224	483	1,040
	Barry Road	4	0	29,030	55	0.5	6.7%	3.3%	72.4	108	233	503	1,083
	Bougue Road	6	0	41,710	45	0.5	6.7%	3.3%	72.6	112	242	522	1,124
	Lincoln Road	6	0	41,440	45	0.5	6.7%	3.3%	72.6	112	241	519	1,119
Franklin Road	6	0	53,400	45	0.5	6.7%	3.3%	73.7	133	285	615	1,325	
Bridge Street	6	0	32,560	45	0.5	6.7%	3.3%	71.6	95	205	442	953	

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design	Vehicle Mix		Distance from Centerline of Roadway					
					Speed (mph)	Alpha Factor	Medium Trucks	Heavy Trucks	Ldn at 75 Feet	Distance to Contour			
									70 Ldn	65 Ldn	60 Ldn	55 Ldn	
	Junction Route 20	4	0	31,190	45	0.5	6.7%	3.3%	71.0	87	188	406	874
	Queens Ave	4	0	31,400	45	0.5	6.7%	3.3%	71.0	88	189	408	878
					55	0.5	1.8%	0.7%	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
	Pease Ave	4	0	32,200	55	0.5	6.7%	3.3%	72.8	116	250	539	1,161
					55	0.5	1.8%	0.7%	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
	Eager Road	4	0	26,300	55	0.5	6.7%	3.3%	72.0	101	218	471	1,014
					55	0.5	1.8%	0.7%	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
	End Freeway	4	0	26,300	55	0.5	6.7%	3.3%	72.0	101	218	471	1,014
	Encinal Road	2	0	25,690	55	0.5	6.7%	3.3%	71.7	97	209	451	972
	Live Oak Blvd	2	0	21,810	55	0.5	6.7%	3.3%	71.0	87	188	405	872
	Paseo Ave	2	0	20,350	55	0.5	6.7%	3.3%	70.7	83	179	386	832
	Live Oak City Limits	3	0	20,800	40	0.5	6.7%	3.3%	68.2	57	122	264	568
	Pennington Road	3	0	20,940	40	0.5	6.7%	3.3%	68.2	57	123	265	570
	Live Oak City Limits	2	0	20,940	55	0.5	6.7%	3.3%	70.8	85	183	394	848
State Route 113	Yolo County Line	2	0	4,460	55	0.5	6.7%	3.3%	64.1	-	65	140	303
	Knights Road	2	0	4,460	55	0.5	6.7%	3.3%	64.1	-	65	140	303
	Del Monte Avenue	2	0	4,280	55	0.5	6.7%	3.3%	63.9	-	63	137	294
	Sutter Bypass	2	0	3,990	55	0.5	6.7%	3.3%	63.6	-	61	130	281
	George Washington Blvd	2	0	3,090	55	0.5	6.7%	3.3%	62.5	-	51	110	237
Acacia Ave	Butte House Rd	2	0	13,180	45	0.5	1.8%	0.7%	63.7	-	61	132	284
	State Route 20	2	0	3,220	45	0.5	1.8%	0.7%	57.6	-	-	52	111
Bear River Road	Swanson Road	2	0	5,200	50	0.5	1.8%	0.7%	60.7	-	39	84	181
	Pleasant Grove Road	2	0	5,020	50	0.5	1.8%	0.7%	60.6	-	38	82	177
Bogue Road	Township Road	4	0	3,880	55	0.5	1.8%	0.7%	60.7	-	-	83	179
	George Washington Blvd	4	0	3,840	55	0.5	1.8%	0.7%	60.6	-	-	82	178
	Walton Avenue	4	0	6,720	55	0.5	1.8%	0.7%	63.1	-	56	120	258
	State Route 99	4	0	1,370	55	0.5	1.8%	0.7%	56.1	-	-	-	89
Broadway	Clark Road	2	0	1,890	55	0.5	1.8%	0.7%	57.4	-	-	50	108
	Encinal Road	2	0	3,350	45	0.5	1.8%	0.7%	57.7	-	-	53	114
Butte House Road	Acacia Ave	2	0	5,260	50	0.5	1.8%	0.7%	60.8	-	39	85	183
	East Butte Road	3	0	12,720	50	0.5	1.8%	0.7%	64.7	-	72	154	332
	Township Road	4	0	10,350	50	0.5	1.8%	0.7%	63.9	-	63	137	294
Catlett Road	Garden Highway	2	0	370	55	0.5	1.8%	0.7%	50.3	-	-	-	36
	State Route 70/99	2	0	4,810	55	0.5	1.8%	0.7%	61.4	-	43	93	201
	Pleasant Grove Road	2	0	4,010	55	0.5	1.8%	0.7%	60.6	-	38	83	178
El Margarita Road	State Route 20	2	0	1,720	35	0.5	1.8%	0.7%	52.3	-	-	-	50
Franklin Road	Acacia Avenue	2	0	1,970	55	0.5	1.8%	0.7%	57.5	-	-	51	111
	Township Road	4	0	1,600	55	0.5	1.8%	0.7%	56.8	-	-	46	99
	George Washington Blvd	4	0	4,510	35	0.5	1.8%	0.7%	56.7	-	-	45	97
	El Margarita Road	4	0	16,420	35	0.5	1.8%	0.7%	62.3	-	50	107	230
Garden Highway	Stewart Road	2	0	9,930	55	0.5	1.8%	0.7%	64.6	33	70	151	326
	Messick Road	2	0	6,970	55	0.5	1.8%	0.7%	63.0	-	55	120	258
	O'Banion Road	2	0	16,670	55	0.5	1.8%	0.7%	66.8	46	99	214	461

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design	Vehicle Mix		Distance from Centerline of Roadway					
					Speed (mph)	Alpha Factor	Medium Trucks	Heavy Trucks	Ldn at 75 Feet	Distance to Contour			
									70 Ldn	65 Ldn	60 Ldn	55 Ldn	
	State Route 99	2	0	470	55	0.5	1.8%	0.7%	51.3	-	-	-	43
	Catlett Road	2	0	160	55	0.5	1.8%	0.7%	46.6	-	-	-	-
	Riego Rd	2	0	5,250	55	0.5	1.8%	0.7%	61.8	-	46	99	213
George Washington	State Route 20	4	0	4,880	55	0.5	1.8%	0.7%	61.7	-	45	97	209
	Franklin Road	4	0	1,640	55	0.5	1.8%	0.7%	56.9	-	-	47	101
	Lincoln Road	4	0	1,180	55	0.5	1.8%	0.7%	55.5	-	-	-	81
	Bougue Road	2	0	4,790	55	0.5	1.8%	0.7%	61.4	-	43	93	201
	Oswald Road	2	0	1,740	55	0.5	1.8%	0.7%	57.0	-	-	47	102
Howsley Road	State Route 70-99	2	0	4,800	55	0.5	1.8%	0.7%	61.4	-	43	93	201
	Pleasant Grove Road	2	0	6,160	55	0.5	1.8%	0.7%	62.5	-	51	110	237
Humphrey Road	Butte House Rd	2	0	360	55	0.5	1.8%	0.7%	50.2	-	-	-	36
	South Butte Road	2	0	1,330	55	0.5	1.8%	0.7%	55.8	-	-	40	85
	State Route 20	2	0	680	55	0.5	1.8%	0.7%	52.9	-	-	-	55
Larkin Road	Butte County Line	2	0	4,030	55	0.5	1.8%	0.7%	60.7	-	39	83	179
	Live Oak City Limits	2	0	6,850	55	0.5	1.8%	0.7%	63.0	-	55	118	255
	Paseo Ave	2	0	6,980	55	0.5	1.8%	0.7%	63.0	-	56	120	258
	Clark Road	2	0	4,890	55	0.5	1.8%	0.7%	61.5	-	44	94	203
	Encinal Road	2	0	4,160	55	0.5	1.8%	0.7%	60.8	-	39	85	183
Lincoln Road	Clements Road	2	0	1,490	55	0.5	1.8%	0.7%	56.3	-	-	43	92
	Township Road	4	0	2,660	55	0.5	1.8%	0.7%	59.0	-	-	65	139
	George Washington Blvd	4	0	3,670	40	0.5	1.8%	0.7%	57.1	-	-	48	104
Live Oak Blvd	State Route 99	2	0	9,110	55	0.5	1.8%	0.7%	64.2	-	66	143	308
Moroni - McGrath Rd	Tarke Road	2	0	1,480	55	0.5	1.8%	0.7%	56.3	-	-	43	92
Nicolaus Road	State Route 99	2	0	3,510	55	0.5	1.8%	0.7%	60.1	-	35	76	163
	State Route 70	2	0	10,620	55	0.5	1.8%	0.7%	64.9	34	73	158	341
Oswald Road	Township Road	2	0	8,380	55	0.5	1.8%	0.7%	63.8	-	63	135	291
	George Washington Blvd	2	0	6,300	55	0.5	1.8%	0.7%	62.6	-	52	112	241
	Walton Avenue	2	0	5,180	55	0.5	1.8%	0.7%	61.7	-	46	98	211
	State Route 99	2	0	570	55	0.5	1.8%	0.7%	52.2	-	-	-	49
Pease Road	Township Road	4	0	520	55	0.5	1.8%	0.7%	51.9	-	-	-	47
	Tierra Buena Road	4	0	970	40	0.5	1.8%	0.7%	51.3	-	-	-	-
Pennington Road	North Butte Road	2	0	1,680	55	0.5	1.8%	0.7%	56.9	-	-	46	100
	Township Road	4	0	2,550	55	0.5	1.8%	0.7%	58.8	-	-	63	135
Pleasant Grove Road	Yuba County Line	2	0	10,180	55	0.5	1.8%	0.7%	64.7	33	71	154	332
	Nicolaus Ave	2	0	7,470	55	0.5	1.8%	0.7%	63.3	-	58	125	270
	Catlett Road	2	0	5,270	55	0.5	1.8%	0.7%	61.8	-	46	99	214
	Howsley Road	2	0	1,420	55	0.5	1.8%	0.7%	56.1	-	-	41	89
	Sankey Road	2	0	10,760	55	0.5	1.8%	0.7%	64.9	34	74	160	344
	Riego Road	2	0	19,000	55	0.5	1.8%	0.7%	67.4	50	108	233	503
Power Line Road	Riego Road	2	0	11,810	55	0.5	1.8%	0.7%	65.3	37	79	170	366
Progress Road	McClatchy Road	2	0	1,220	55	0.5	1.8%	0.7%	55.5	-	-	37	81
	Acme Road	2	0	920	55	0.5	1.8%	0.7%	54.2	-	-	-	67
Railroad Avenue	Bougue Road	3	0	4,970	45	0.5	1.8%	0.7%	59.5	-	-	70	150

Analysis Condition	Roadway, Segment	Lanes	Median Width	ADT Volume	Design	Vehicle Mix			Distance from Centerline of Roadway				
					Speed (mph)	Alpha Factor	Medium Trucks	Heavy Trucks	Ldn at 75 Feet	Distance to Contour			
									70 Ldn	65 Ldn	60 Ldn	55 Ldn	
	Stewart Road	3	0	4,120	45	0.5	1.8%	0.7%	58.7	-	-	61	132
	Berry Road	2	0	1,420	45	0.5	1.8%	0.7%	54.0	-	-	-	64
Reclamation Road	Progress Road	2	0	730	55	0.5	1.8%	0.7%	53.2	-	-	-	57
	Pelger Road	2	0	2,710	55	0.5	1.8%	0.7%	58.9	-	-	64	137
Riego Road	Garden Highway	4	0	5,630	55	0.5	1.8%	0.7%	62.3	-	49	106	229
	Powerline Road	8	0	77,280	55	0.5	1.8%	0.7%	74.7	154	332	715	1,541
	State Route 70-99	8	0	91,400	55	0.5	1.8%	0.7%	75.4	172	371	800	1,723
	Pacific Avenue	6	0	52,520	55	0.5	1.8%	0.7%	72.4	108	232	500	1,077
Rio Oso Road	State Route 70	2	0	5,270	55	0.5	1.8%	0.7%	61.8	-	46	99	214
Riviera Road	Township Road	2	0	1,110	55	0.5	1.8%	0.7%	55.1	-	-	35	76
	State Route 99	2	0	1,260	55	0.5	1.8%	0.7%	55.6	-	-	38	82
Sankey Road	State Route 70-99	4	0	24,750	55	0.5	1.8%	0.7%	68.7	62	133	286	615
	Pacific Avenue	4	0	33,160	55	0.5	1.8%	0.7%	70.0	75	161	347	748
	Pleasant Grove Road	4	0	39,380	55	0.5	1.8%	0.7%	70.7	84	181	389	839
Stewart Road	Walton Avenue	2	0	1,150	35	0.5	1.8%	0.7%	50.6	-	-	-	38
	State Route 99	2	0	660	35	0.5	1.8%	0.7%	48.2	-	-	-	-
	Railroad Avenue	2	0	230	35	0.5	1.8%	0.7%	43.6	-	-	-	-
Swanson Road	Rio Oso Road	2	0	5,190	50	0.5	1.8%	0.7%	60.7	-	39	84	181
Tarke Road	State Route 20	2	0	1,660	55	0.5	1.8%	0.7%	56.8	-	-	46	99
Tierra Buena Road	Eager Road	2	0	5,480	55	0.5	1.8%	0.7%	62.0	-	47	102	219
	Pease Ave	2	0	6,220	55	0.5	1.8%	0.7%	62.5	-	51	111	239
Township Road	Butte County Line	2	0	2,390	55	0.5	1.8%	0.7%	58.4	-	-	59	126
	Pennington Road	2	0	3,320	55	0.5	1.8%	0.7%	59.8	-	34	73	157
	Paseo Ave	#N/A	0	#N/A	55	0.5	1.8%	0.7%	#N/A	#N/A	#N/A	#N/A	#N/A
	Nuestro Road	2	0	3,450	55	0.5	1.8%	0.7%	60.0	-	35	75	161
	Pease Ave	2	0	3,500	55	0.5	1.8%	0.7%	60.0	-	35	76	163
	Butte House Rd	3	0	5,620	45	0.5	1.8%	0.7%	60.0	-	-	75	163
	State Route 20	2	0	4,930	45	0.5	1.8%	0.7%	59.4	-	-	69	148
	Franklin Road	2	0	4,560	45	0.5	1.8%	0.7%	59.1	-	-	65	140
	Lincoln Road	2	0	6,440	55	0.5	1.8%	0.7%	62.7	-	53	113	244
	Bogue Road	2	0	5,510	55	0.5	1.8%	0.7%	62.0	-	47	102	220
	Oswald Road	2	0	1,360	55	0.5	1.8%	0.7%	55.9	-	-	40	87
	O'Banion Road	2	0	-	55	0.5	1.8%	0.7%	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!
Walton Ave	Bogue Road	2	0	5,950	40	0.5	1.8%	0.7%	59.0	-	-	65	139
	Reed Road	2	0	3,450	40	0.5	1.8%	0.7%	56.7	-	-	45	97
West Catlett Road	Garden Highway	2	0	580	55	0.5	1.8%	0.7%	52.2	-	-	-	49

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: X

Project Name: Sutter County GPU (2030 Old GP)

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with CALVENO.

Source of Traffic Volumes: DKS

Community Noise Descriptor: Ldn

Assumed 24-Hour Traffic Distributio	Day	Evening	Night
Total ADT Volumes	77.7%	12.7%	9.6%
Medium-Duty Trucks	87.4%	5.1%	7.5%
Heavy-Duty Trucks	89.1%	2.8%	8.1%

Roadway	From	To	Existing				Old GP				GPU				Change from Exist	Change from GP			
			ADT	Ldn at Distance to Contour			ADT	Ldn at Distance to Contour			ADT	Ldn at Distance to Contour							
			Volume	75 Fee	70 Ldn	65 Ldn	60 Ldn	Volume	75 Fee	70 Ldn	65 Ldn	60 Ldn	Volume	75 Fee			70 Ldn	65 Ldn	60 Ldn
State Route 20	Colussa County Line	Sutter Bypass	7200	64.4	-	69	148	11740	66.5	44	95	205	11230	66.4	43	92	199	1.9	-0.2
	Sutter Bypass	Acacia Avenue	7200	64.4	-	69	148	22020	69.3	67	145	312	29240	70.5	81	175	376	6.1	1.2
	Acacia Avenue	Humphery Road	9500	65.6	38	83	178	21970	69.3	67	144	311	24560	69.8	72	156	335	4.1	0.5
	Humphery Road	Township Road	9500	65.8	-	85	183	21260	69.3	67	145	312	23340	69.7	72	154	333	3.9	0.4
	Township Road	George Washington	12200	66.9	46	100	216	22280	69.5	69	150	322	22760	69.6	70	152	327	2.7	0.1
	George Washington	Yuba City Limits	17500	68.5	59	127	274	27880	70.5	81	174	374	27560	70.4	80	172	372	2.0	-0.1
State Route 70	Junction 99	Nicolaus Ave	18700	71.8	99	214	461	39630	75.3	168	363	782	34620	74.7	154	332	714	2.8	-0.6
	Nicolaus Ave	Yuba County Line	19200	71.9	101	218	470	35750	74.6	153	330	711	32900	74.3	145	312	672	2.3	-0.4
State Route 99	Sacramento County	Riego Rd	39500	73.7	133	287	617	130730	78.9	295	636	1371	129830	78.9	294	633	1365	5.2	0.0
	Riego Road	Sankey Road	33500	73.0	119	257	553	77470	76.7	208	449	967	69010	76.2	193	416	895	3.1	-0.5
	Sankey Road	Howsley Road	33500	73.0	119	257	553	69240	76.2	193	417	897	59170	75.5	174	375	808	2.5	-0.7
	Howsley Road	State Route 70	33500	73.0	119	257	553	67620	76.1	190	410	883	58300	75.4	172	371	800	2.4	-0.6
	Junction 70	Garden Highway	16200	69.7	71	154	332	24640	71.7	97	209	451	21250	71.0	88	190	408	1.4	-0.6
	Garden Highway	Sacramento Ave	17400	70.0	75	162	348	25600	71.8	100	215	462	23850	71.5	95	205	441	1.5	-0.3
	Sacramento Ave	Tudor Road	17600	70.0	76	163	351	25800	71.9	100	216	465	24050	71.6	96	206	443	1.5	-0.3
	Tudor Road	Junction Route 113	14400	69.2	66	142	307	10160	67.8	54	116	250	8460	67.0	48	103	221	-2.1	-0.8
	Junction Route 113	O'Banion Road	17300	70.0	75	161	347	11240	68.3	58	124	267	6040	65.6	82	177	177	-4.4	-2.7
	O'Banion Road	Oswald Road	17300	70.1	77	165	356	21420	71.1	88	191	410	23480	71.5	94	203	436	1.3	0.4
	Oswald Road	Barry Road	19600	70.7	83	180	387	23140	71.4	93	201	432	27330	72.1	104	224	483	1.4	0.7
	Barry Road	Bougue Road	21100	71.0	88	189	406	23900	71.5	95	205	442	29030	72.4	108	233	503	1.4	0.8
	Bougue Road	Lincoln Road	26500	70.3	78	169	364	32170	71.5	95	204	439	41710	72.6	112	242	522	2.3	1.1
	Lincoln Road	Franklin Road	26500	70.3	78	169	364	33120	71.6	96	208	447	41440	72.6	112	241	519	2.3	1.0
	Franklin Road	Bridge Street	36000	71.6	96	207	446	46620	73.1	121	261	562	53400	73.7	133	285	615	2.1	0.6
	Bridge Street	Junction Route 20	21800	69.4	69	148	320	30120	71.2	90	195	420	32560	71.6	95	205	442	2.1	0.3
	Junction Route 20	Queens Ave	20300	69.1	66	141	305	28510	70.6	82	177	382	31190	71.0	87	188	406	1.9	0.4
	Queens Ave	Pease Ave	20300	69.1	66	141	305	28940	70.7	83	179	386	31400	71.0	88	189	408	1.9	0.4
	Pease Ave	Eager Road	20300	70.8	85	184	396	29060	72.4	108	234	503	32200	72.8	116	250	539	2.0	0.4
	Eager Road	End Freeway	17800	70.3	78	168	363	25200	71.8	99	212	457	26300	72.0	101	218	471	1.7	0.2
End Freeway	Encinal Road	17800	70.1	76	164	353	25200	71.8	99	212	457	26300	72.0	101	218	471	1.9	0.2	
Encinal Road	Live Oak Blvd	19900	70.6	82	177	381	25990	71.7	98	211	455	25690	71.7	97	209	451	1.1	-0.1	

Roadway	From	To	Existing					Old GP					GPU					Change from Exist	Change from GP
			ADT	Ldn	Distance	to	Contour	ADT	Ldn	Distance	to	Contour	ADT	Ldn	Distance	to	Contour		
			Volume	75 Fee	70 Ldn	65 Ldn	60 Ldn	Volume	75 Fee	70 Ldn	65 Ldn	60 Ldn	Volume	75 Fee	70 Ldn	65 Ldn	60 Ldn		
	Live Oak Blvd	Paseo Ave	15600	69.5	70	150	324	22020	71.0	88	189	407	21810	71.0	87	188	405	1.5	0.0
	Paseo Ave	Live Oak City Limits	15600	69.5	70	150	324	20740	70.8	84	182	391	20350	70.7	83	179	386	1.2	-0.1
	Live Oak City Limits	Pennington Road	15600	66.9	47	101	218	20540	68.1	56	121	261	20800	68.2	57	122	264	1.2	0.1
	Pennington Road	Live Oak City Limits	15600	66.9	47	101	218	20700	68.2	57	122	263	20940	68.2	57	123	265	1.3	0.1
	Live Oak City Limits	Butte County Line	15600	69.5	70	150	324	20700	70.8	84	181	391	20940	70.8	85	183	394	1.3	0.1
State Route 113	Yolo County Line	Knights Road	7400	66.3	42	91	197	10250	67.7	53	114	245	4460	64.1	-	65	140	-2.2	-3.6
	Knights Road	Del Monte Avenue	7400	66.3	42	91	197	10250	67.7	53	114	245	4460	64.1	-	65	140	-2.2	-3.6
	Del Monte Avenue	Sutter Bypass	5500	65.0	35	75	161	8350	66.8	46	99	213	4280	63.9	-	63	137	-1.1	-2.9
	Sutter Bypass	George Washington	5800	65.2	36	78	167	4250	63.9	-	63	136	3990	63.6	-	61	130	-1.6	-0.3
	George Washington	Junction Route 99	3850	63.4	-	59	127	3740	63.3	-	58	125	3090	62.5	-	51	110	-1.0	-0.8
Acacia Ave	Butte House Rd	State Route 20	4660	59.2	-	-	66	7690	61.3	-	43	92	13180	63.7	-	61	132	4.5	2.3
	State Route 20	Franklin Road	1070	52.8	-	-	-	1160	53.1	-	-	-	3220	57.6	-	-	52	4.8	4.4
Bear River Road	Swanson Road	Pleasant Grove Roa	990	53.5	-	-	-	6480	61.7	-	45	97	5200	60.7	-	39	84	7.2	-1.0
	Pleasant Grove Roa	Brewer Road	1040	53.8	-	-	-	7210	62.2	-	49	105	5020	60.6	-	38	82	6.8	-1.6
Bogue Road	Township Road	George Washington	934	54.3	-	-	-	1820	57.4	-	-	50	3880	60.7	-	-	83	6.4	3.3
	George Washington	Sanborn Road	2410	58.4	-	-	59	2970	59.5	-	-	70	3840	60.6	-	-	82	2.2	1.1
	Walton Avenue	State Route 99	5070	61.7	-	45	98	4640	61.4	-	-	94	6720	63.1	-	56	120	1.3	1.6
	State Route 99	Railroad Avenue	0	#####	#####	#####	#####	730	53.4	-	-	-	1370	56.1	-	-	-	#NUM!	2.7
Broadway	Clark Road	Encinal Road	850	53.9	-	-	-	2070	57.8	-	-	53	1890	57.4	-	-	50	3.5	-0.4
	Encinal Road	Nuestro Road	1610	54.5	-	-	32	2600	56.6	-	-	45	3350	57.7	-	-	53	3.2	1.1
Butte House Roa	Acacia Ave	East Butte Road	2450	57.5	-	-	51	6970	62.0	-	47	102	5260	60.8	-	39	85	3.3	-1.2
	East Butte Road	Township Road	4370	60.1	-	-	76	10360	63.8	-	62	134	12720	64.7	-	72	154	4.6	0.9
	Township Road	Madison Road	4120	59.8	-	-	73	8330	63.0	-	55	118	10350	63.9	-	63	137	4.1	0.9
Catlett Road	Garden Highway	State Route 70/99	90	44.1	-	-	-	1020	54.7	-	-	33	370	50.3	-	-	-	6.1	-4.4
	State Route 70/99	Pleasant Grove Roa	620	52.5	-	-	-	4790	61.4	-	43	93	4810	61.4	-	43	93	8.9	0.0
	Pleasant Grove Roa	Brewer Road	200	47.6	-	-	-	3230	59.7	-	33	72	4010	60.6	-	38	83	13.0	0.9
El Margarita Roa	State Route 20	Franklin Road	2320	53.6	-	-	-	1720	52.3	-	-	-	1720	52.3	-	-	-	-1.3	0.0
Franklin Road	Acacia Avenue	Township Road	1070	54.9	-	-	34	1120	55.1	-	-	35	1970	57.5	-	-	51	2.7	2.5
	Township Road	George Washington	2620	58.8	-	-	62	1480	56.5	-	-	-	1600	56.8	-	-	46	-2.0	0.3
	George Washington	El Margarita Road	5140	57.1	-	-	48	4310	56.5	-	-	-	4510	56.7	-	-	45	-0.4	0.2
	El Margarita Road	Walton Avenue	8110	59.1	-	-	65	14970	61.9	-	47	100	16420	62.3	-	50	107	3.2	0.4
Garden Highway	Stewart Road	Messick Road	5230	61.8	-	46	99	7010	63.1	-	56	120	9930	64.6	33	70	151	2.8	1.5
	Messick Road	O'Banion Road	4290	60.9	-	40	86	7010	63.1	-	56	120	6970	63.0	-	55	120	2.1	0.0
	O'Banion Road	Tudor Road - SR 99	4280	60.9	-	40	86	16720	66.8	46	99	214	16670	66.8	46	99	214	5.9	0.0
	State Route 99	Catlett Road	520	51.8	-	-	-	1020	54.7	-	-	33	470	51.3	-	-	-	-0.4	-3.4
	Catlett Road	Riego Rd	150	46.4	-	-	-	550	52.0	-	-	-	160	46.6	-	-	-	0.3	-5.4
	Riego Rd	Sacramento County	200	47.6	-	-	-	5780	62.2	-	49	106	5250	61.8	-	46	99	14.2	-0.4
George Washing	State Route 20	Franklin Road	7420	63.3	-	58	125	5090	61.8	-	46	100	4880	61.7	-	45	97	-1.6	-0.2
	Franklin Road	Lincoln Road	4280	60.9	-	40	86	1580	56.8	-	-	46	1640	56.9	-	-	47	-4.0	0.2
	Lincoln Road	Bougue Road	3390	59.9	-	34	74	1180	55.5	-	-	-	1180	55.5	-	-	-	-4.4	0.0
	Bougue Road	Oswald Road	3940	60.6	-	38	82	2810	59.1	-	-	65	4790	61.4	-	43	93	0.8	2.3

Roadway	From	To	Existing				Old GP				GPU				Change from Exist	Change from GP			
			ADT	Ldn	Distance to	Contour	ADT	Ldn	Distance to	Contour	ADT	Ldn	Distance to	Contour					
			Volume	75 Fee	70 Ldn	65 Ldn	60 Ldn	Volume	75 Fee	70 Ldn	65 Ldn	60 Ldn	Volume	75 Fee			70 Ldn	65 Ldn	60 Ldn
	Oswald Road	Tudor Road - SR 11	3040	59.4	-	-	69	2210	58.0	-	-	56	1740	57.0	-	-	47	-2.4	-1.0
Howsley Road	State Route 70-99	Pleasant Grove Roa	2270	58.2	-	-	57	4980	61.6	-	44	96	4800	61.4	-	43	93	3.3	-0.2
	Pleasant Grove Roa	Brewer Road	1380	56.0	-	-	41	5970	62.4	-	50	108	6160	62.5	-	51	110	6.5	0.1
Humphrey Road	Butte House Rd	South Butte Road	680	52.9	-	-	-	330	49.8	-	-	-	360	50.2	-	-	-	-2.8	0.4
	South Butte Road	State Route 20	1910	57.4	-	-	50	1290	55.7	-	-	39	1330	55.8	-	-	40	-1.6	0.1
	State Route 20	Franklin Road	830	53.8	-	-	-	870	54.0	-	-	-	680	52.9	-	-	-	-0.9	-1.1
Larkin Road	Butte County Line	Live Oak City Limits	2990	59.4	-	-	68	4040	60.7	-	39	83	4030	60.7	-	39	83	1.3	0.0
	Live Oak City Limits	Paseo Ave	1500	56.4	-	-	43	5230	61.8	-	46	99	6850	63.0	-	55	118	6.6	1.2
	Paseo Ave	Clark Road	1500	56.4	-	-	43	5910	62.3	-	50	107	6980	63.0	-	56	120	6.7	0.7
	Clark Road	Encinal Road	1450	56.2	-	-	42	4500	61.1	-	41	89	4890	61.5	-	44	94	5.3	0.4
	Encinal Road	Eager Road	1390	56.0	-	-	41	3130	59.6	-	33	70	4160	60.8	-	39	85	4.8	1.2
Lincoln Road	Clements Road	Township Road	560	52.1	-	-	-	570	52.2	-	-	-	1490	56.3	-	-	43	4.2	4.2
	Township Road	George Washington	1040	54.8	-	-	34	2230	58.3	-	-	57	2660	59.0	-	-	65	4.3	0.8
	George Washington	Sanborn Road	3673	56.9	-	-	47	3150	56.4	-	-	-	3670	57.1	-	-	48	0.2	0.7
Live Oak Blvd	State Route 99	Yuba City Limits	6620	62.8	-	54	115	7020	63.1	-	56	120	9110	64.2	-	66	143	1.4	1.1
Moroni - McGrat Tarke Road	Progress Road		1270	55.6	-	-	38	2500	58.6	-	-	60	1480	56.3	-	-	43	0.7	-2.3
Nicolaus Road	State Route 99	State Route 70	1470	56.3	-	-	42	2510	58.6	-	-	61	3510	60.1	-	35	76	3.8	1.5
	State Route 70	Pleasant Grove Roa	1220	55.5	-	-	37	7110	63.1	-	56	121	10620	64.9	34	73	158	9.4	1.7
Oswald Road	Township Road	George Washington	590	52.3	-	-	-	4530	61.2	-	42	90	8380	63.8	-	63	135	11.5	2.7
	George Washington	Walton Avenue	1360	55.9	-	-	40	4220	60.9	-	40	86	6300	62.6	-	52	112	6.7	1.7
	Walton Avenue	State Route 99	2150	57.9	-	-	55	4520	61.2	-	42	90	5180	61.7	-	46	98	3.8	0.6
	State Route 99	Railroad Avenue	200	47.6	-	-	-	160	46.6	-	-	-	570	52.2	-	-	-	4.5	5.5
Pease Road	Township Road	Tierra Buena Road	810	53.7	-	-	-	470	51.5	-	-	-	520	51.9	-	-	-	-1.8	0.4
	Tierra Buena Road	Live Oak Blvd	1670	53.5	-	-	-	960	51.3	-	-	-	970	51.3	-	-	-	-2.2	0.0
Pennington Roac	North Butte Road	Township Road	1660	56.8	-	-	46	2350	58.3	-	-	58	1680	56.9	-	-	46	0.1	-1.5
	Township Road	Live Oak City Limits	1790	57.1	-	-	48	2700	59.1	-	-	65	2550	58.8	-	-	63	1.7	-0.2
Pleasant Grove R	Yuba County Line	Nicolaus Ave	3140	59.6	-	33	70	11270	65.1	35	76	165	10180	64.7	33	71	154	5.1	-0.4
	Nicolaus Ave	Catlett Road	3000	59.4	-	-	68	8010	63.6	-	61	131	7470	63.3	-	58	125	4.0	-0.3
	Catlett Road	Howsley Road	2330	58.3	-	-	58	5750	62.2	-	49	105	5270	61.8	-	46	99	3.5	-0.4
	Howsley Road	Sankey Road	1210	55.4	-	-	37	2730	59.0	-	-	64	1420	56.1	-	-	41	0.7	-2.8
	Sankey Road	Riego Road	1750	57.0	-	-	48	11340	65.2	36	77	165	10760	64.9	34	74	160	7.9	-0.2
	Riego Road	Sacramento County	1180	55.3	-	-	37	19010	67.4	50	108	233	19000	67.4	50	108	233	12.1	0.0
Power Line Road	Riego Road	Sacramento County	220	48.0	-	-	-	12210	65.5	37	81	174	11810	65.3	37	79	170	17.3	-0.1
Progress Road	McClatchy Road	Acme Road	1010	54.6	-	-	33	2240	58.1	-	-	56	1220	55.5	-	-	37	0.8	-2.6
	Acme Road	Reclamation Road	1250	55.6	-	-	38	2380	58.4	-	-	58	920	54.2	-	-	-	-1.3	-4.1
Railroad Avenue	Bogue Road	Stewart Road	2250	56.1	-	-	41	2350	56.3	-	-	42	4970	59.5	-	-	70	3.4	3.3
	Stewart Road	Berry Road	1320	53.8	-	-	-	1210	53.4	-	-	-	4120	58.7	-	-	61	4.9	5.3
	Berry Road	Oswald Road	1050	52.7	-	-	-	860	51.8	-	-	-	1420	54.0	-	-	-	1.3	2.2
Reclamation Roa	Progress Road	Pelger Road	1060	54.9	-	-	34	2190	58.0	-	-	55	730	53.2	-	-	-	-1.6	-4.8
	Pelger Road	State Route 113	1890	57.4	-	-	50	6070	62.4	-	51	109	2710	58.9	-	-	64	1.6	-3.5
Riego Road	Garden Highway	Powerline Road	650	52.7	-	-	-	6140	62.7	-	52	113	5630	62.3	-	49	106	9.5	-0.4

Roadway	From	To	Existing					Old GP					GPU					Change from Exist	Change from GP
			ADT	Ldn	Distance to Contour	ADT	Ldn	Distance to Contour	ADT	Ldn	Distance to Contour	ADT	Ldn	Distance to Contour					
			Volume	75	70	70	65	60	Volume	75	70	70	65	60	Volume	75	70		
	Powerline Road	State Route 70-99	650	52.7	-	-	-	77910	74.7	155	334	719	77280	74.7	154	332	715	22.0	0.0
	State Route 70-99	Pacific Avenue	9900	64.6	33	70	151	92500	75.5	174	374	806	91400	75.4	172	371	800	10.9	-0.1
	Pacific Avenue	Pleasant Grove Road	9900	64.6	33	70	151	52170	72.3	107	231	497	52520	72.4	108	232	500	7.8	0.0
Rio Oso Road	State Route 70	Swanson Road	1060	54.9	-	-	34	5680	62.1	-	48	104	5270	61.8	-	46	99	7.0	-0.3
Riviera Road	Township Road	State Route 99	450	51.1	-	-	-	1380	56.0	-	-	41	1110	55.1	-	-	35	3.9	-0.9
	State Route 99	Larkin Road	460	51.2	-	-	-	1290	55.7	-	-	39	1260	55.6	-	-	38	4.4	-0.1
Sankey Road	State Route 70-99	Pacific Avenue	1180	55.3	-	-	37	24890	68.7	62	133	287	24750	68.7	62	133	286	13.4	0.0
	Pacific Avenue	Pleasant Grove Road	1080	54.9	-	-	34	32800	69.9	74	160	345	33160	70.0	75	161	347	15.0	0.0
	Pleasant Grove Road	Locust Road	670	52.9	-	-	-	38400	70.6	82	178	383	39380	70.7	84	181	389	17.9	0.1
Stewart Road	Walton Avenue	State Route 99	400	46.0	-	-	-	180	42.5	-	-	-	1150	50.6	-	-	-	4.6	8.1
	State Route 99	Railroad Avenue	890	49.5	-	-	-	300	44.7	-	-	-	660	48.2	-	-	-	-1.3	3.4
	Railroad Avenue	Garden Highway	720	48.5	-	-	-	90	39.5	-	-	-	230	43.6	-	-	-	-5.0	4.1
Swanson Road	Rio Oso Road	Bear River Road	980	53.5	-	-	-	5600	61.1	-	41	88	5190	60.7	-	39	84	7.2	-0.3
Tarke Road	State Route 20	Moroni Road	890	54.1	-	-	-	3250	59.7	-	33	72	1660	56.8	-	-	46	2.7	-2.9
Tierra Buena Road	Eager Road	Pease Ave	2,180	58.0	-	-	55	4350	61.0	-	41	87	5480	62.0	-	47	102	4.0	1.0
	Pease Ave	Butte House Road	2,360	58.3	-	-	58	5610	62.1	-	48	103	6220	62.5	-	51	111	4.2	0.4
Township Road	Butte County Line	Pennington Road	1,730	57.0	-	-	47	2660	58.9	-	-	63	2390	58.4	-	-	59	1.4	-0.5
	Pennington Road	Paseo Ave	1,920	57.4	-	-	51	3120	59.5	-	32	70	3320	59.8	-	34	73	2.4	0.3
	Nuestro Road	Pease Ave	1,540	56.5	-	-	44	2430	58.5	-	-	59	3450	60.0	-	35	75	3.5	1.5
	Pease Ave	Butte House Road	2,349	58.3	-	-	58	2320	58.3	-	-	57	3500	60.0	-	35	76	1.7	1.8
	Butte House Rd	State Route 20	2,470	56.5	-	-	44	4340	58.9	-	-	64	5620	60.0	-	-	75	3.6	1.1
	State Route 20	Franklin Road	3,330	57.7	-	-	53	4090	58.6	-	-	60	4930	59.4	-	-	69	1.7	0.8
	Franklin Road	Lincoln Road	1,530	54.3	-	-	-	3400	57.8	-	-	53	4560	59.1	-	-	65	4.7	1.3
	Lincoln Road	Bogue Road	1,906	57.4	-	-	50	4380	61.0	-	41	88	6440	62.7	-	53	113	5.3	1.7
	Bogue Road	Oswald Road	750	53.4	-	-	-	3230	59.7	-	33	72	5510	62.0	-	47	102	8.7	2.3
	Oswald Road	O'Banion Road	380	50.4	-	-	-	920	54.2	-	-	-	1360	55.9	-	-	40	5.5	1.7
Walton Ave	Bogue Road	Reed Road	2690	55.6	-	-	38	3180	56.3	-	-	43	5950	59.0	-	-	65	3.4	2.7
	Reed Road	Oswald Road	1540	53.2	-	-	-	2030	54.4	-	-	-	3450	56.7	-	-	45	3.5	2.3
West Catlett Road	Garden Highway	State Route 70-99	300	49.4	-	-	-	1230	55.5	-	-	38	580	52.2	-	-	-	2.9	-3.3

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		CNEL at 100 Feet	Distance from Centerline of Roadway Distance to Contour			
						Medium Trucks	Heavy Trucks		70 CNEL	65 CNEL	60 CNEL	55 CNEL
Auburn Blvd., Howe/Fulton	4	0	6,700	40	0.5	1.8%	0.7%	58.4	-	-	78	168
Auburn Blvd., Watt/Winding Way	4	0	28,300	30	0.5	1.8%	0.7%	62.2	-	65	141	303
Auburn Blvd., El Camino/Marconi	2	0	11,900	40	0.5	1.8%	0.7%	60.8	-	52	112	242
Watt Ave., I-80/US-50	6	0	121,300	45	0.5	1.8%	0.7%	72.4	144	310	667	1,438
Watt Ave., Elkhorn/I-80	6	0	86,800	45	0.5	1.8%	0.7%	70.9	115	248	534	1,150
Fruitridge Rd., Land Park/Freeport	4	0	16,900	50	0.5	1.8%	0.7%	64.7	45	96	207	445
Fruitridge Rd., Freeport/Franklin	4	0	27,900	50	0.5	1.8%	0.7%	66.9	62	134	289	622
Fruitridge Rd., Franklin/SR-99	4	0	32,800	50	0.5	1.8%	0.7%	67.6	69	149	322	693
Fruitridge Rd., SR-99/Martin Luther King	4	0	34,700	50	0.5	1.8%	0.7%	67.9	72	155	334	719
Fruitridge Rd., Martin Luther King/Stockton	4	0	35,000	50	0.5	1.8%	0.7%	67.9	72	156	336	724
Fruitridge Rd., Stockton/Wallace	4	0	26,100	50	0.5	1.8%	0.7%	66.6	59	128	276	595
Fruitridge Rd., Wallace/Florin-Perkins	4	0	30,200	50	0.5	1.8%	0.7%	67.3	66	141	304	656
Fruitridge Rd., Florin-Perkins/Elk Grove-Florin	4	0	22,800	50	0.5	1.8%	0.7%	66.0	54	117	252	544
Franklin Blvd., Broadway/Sutterville	4	0	12,600	45	0.5	1.8%	0.7%	62.3	-	66	143	308
Franklin Blvd., Sutterville/Fruitridge	4	0	23,500	45	0.5	1.8%	0.7%	65.0	47	101	217	467
Franklin Blvd., Fruitridge/Martin Luther King	4	0	19,600	45	0.5	1.8%	0.7%	64.2	-	89	192	414
Franklin Blvd., East/Valley High	4	0	NV	45	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Franklin Blvd., Valley Hi/City Limits	4	0	24,300	45	0.5	1.8%	0.7%	65.2	48	103	222	477
Freeport Blvd., Broadway/Fruitridge	4	0	31,200	45	0.5	1.8%	0.7%	66.3	56	121	262	564
Freeport Blvd., Pocket/South	4	0	7,600	45	0.5	1.8%	0.7%	60.1	-	47	102	220
Freeport Blvd., Fruitridge/Pocket	4	0	19,700	45	0.5	1.8%	0.7%	64.3	-	89	193	415
Stockton Blvd., US-50/2nd	4	0	12,800	45	0.5	1.8%	0.7%	62.4	-	67	144	311
Stockton Blvd., 2nd/Fruitridge	4	0	21,500	45	0.5	1.8%	0.7%	64.7	-	95	204	440
Stockton Blvd., Fruitridge/65th	4	0	24,300	45	0.5	1.8%	0.7%	65.2	48	103	222	477
Stockton Blvd., 65th/SR-99	4	0	36,800	45	0.5	1.8%	0.7%	67.0	63	136	292	629
Florin Rd., Franklin/SR-99	4	0	56,100	45	0.5	1.8%	0.7%	68.8	83	180	387	834
Florin Rd., SR-99/65th	4	0	80,200	45	0.5	1.8%	0.7%	70.4	106	228	491	1,058
Florin Rd., 65th/Stockton	4	0	51,200	45	0.5	1.8%	0.7%	68.4	78	169	364	784
Florin Rd., Stockton/Power Inn	4	0	41,200	45	0.5	1.8%	0.7%	67.5	68	146	315	679
Florin Rd., Power Inn/Bradshaw	4	0	27,600	45	0.5	1.8%	0.7%	65.7	52	112	241	520
I-5., Yolo County Line/I-80	6	10	284,000	65	0.5	1.8%	0.7%	80.2	479	1,032	2,224	4,792
I-5., I-80/Garden Hwy.	8	10	297,000	65	0.5	1.8%	0.7%	80.8	524	1,129	2,432	5,240
I-5., Garden Hwy/US-50	8	10	NV	65	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
I-5., US-50/Sutterville	8	10	209,000	65	0.5	1.8%	0.7%	79.3	415	893	1,924	4,146
I-5., Sutterville/Florin	8	10	174,000	65	0.5	1.8%	0.7%	78.5	367	790	1,703	3,669
I-5., Florin/Laguna	8	10	135,000	65	0.5	1.8%	0.7%	77.4	310	667	1,438	3,098
I-80., US-50/I-5	6	10	143,000	65	0.5	1.8%	0.7%	77.2	303	653	1,408	3,033
I-80., I-5/Marysville	6	10	186,000	65	0.5	1.8%	0.7%	78.4	361	779	1,677	3,614
I-80., Marysville/Business 80 Split	6	10	181,000	65	0.5	1.8%	0.7%	78.3	355	765	1,647	3,549
Business 80., I-80 Split/Howe	6	10	154,000	55	0.5	1.8%	0.7%	75.7	239	516	1,111	2,393
Business 80., Howe/SR 160	6	10	213,000	55	0.5	1.8%	0.7%	77.1	297	640	1,379	2,971
Business 80., SR 160/US 50	6	10	181,000	55	0.5	1.8%	0.7%	76.4	267	574	1,237	2,665
Business 80., US-50/I-5	6	10	NV	55	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
State Route 160., Business 80/Richards	4	10	68,600	65	0.5	1.8%	0.7%	73.8	179	385	830	1,789
US-50., Bradshaw/Power Inn	9	10	233,000	65	0.5	1.8%	0.7%	80.0	464	1,000	2,154	4,640

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		CNEL at 100 Feet	Distance from Centerline of Roadway				
						Medium Trucks	Heavy Trucks		Distance to Contour				
								70 CNEL	65 CNEL	60 CNEL	55 CNEL		
US-50., Power Inn/SR-99	12	10	308,000	65	0.5	1.8%	0.7%	82.4	673	1,450	3,125	6,732	
SR-99., US-50/Fruitridge	6	10	267,000	65	0.5	1.8%	0.7%	79.9	460	991	2,135	4,599	
SR-99., Fruitridge/Florin	6	10	218,000	65	0.5	1.8%	0.7%	79.1	402	866	1,865	4,017	
SR-99., Florin/Bond	6	10	153,000	65	0.5	1.8%	0.7%	77.5	317	684	1,473	3,173	
El Centro Rd., I-5/San Juan	4	0	12,800	50	0.5	1.8%	0.7%	63.5	-	80	172	370	
El Centro Rd., San Juan/I-80	2	0	20,900	50	0.5	1.8%	0.7%	65.6	51	109	235	506	
Elkhorn Blvd., I-5/E. Levee	6	0	56,000	50	0.5	1.8%	0.7%	70.1	102	220	474	1,021	
Elkhorn Blvd., E. Levee Rd/Dry Creek	6	0	31,100	50	0.5	1.8%	0.7%	68.4	79	169	365	786	
Elkhorn Blvd., Dry Creek/Watt Ave	6	0	31,400	50	0.5	1.8%	0.7%	68.4	79	169	365	786	
Del Paso Rd., Power Line/I-5	2	0	14,300	35	0.5	1.8%	0.7%	60.2	-	48	103	223	
Del Paso Rd., I-5/Truxel	6	0	58,000	50	0.5	1.8%	0.7%	70.3	104	225	485	1,045	
Del Paso Rd., Truxel/Northgate	6	0	41,400	50	0.5	1.8%	0.7%	68.8	83	180	387	834	
San Juan., River/I-80	4	0	7,800	50	0.5	1.8%	0.7%	61.4	-	57	123	266	
Sorento Rd., N. of Del Paso	6	0	NV	35	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
Northgate Blvd., Del Paso/North Market	4	0	39,800	35	0.5	1.8%	0.7%	64.8	45	96	208	447	
Northgate Blvd., North Market/I-80	4	0	49,900	35	0.5	1.8%	0.7%	65.7	52	112	241	520	
Natomas Blvd., Elkhorn/Del Paso	4	0	44,900	30	0.5	1.8%	0.7%	64.2	-	89	191	412	
Truxel Rd., Gateway Park/I-80	8	0	97,500	35	0.5	1.8%	0.7%	69.2	88	190	409	881	
Truxel Rd., Gateway Park/Del Paso	8	0	26,400	35	0.5	1.8%	0.7%	63.5	-	79	171	369	
North Market Blvd., Northgate/Truxel	4	0	19,900	55	0.5	1.8%	0.7%	66.5	58	125	270	582	
Arena Blvd., I-5/Truxel	6	0	27,500	45	0.5	1.8%	0.7%	65.9	-	115	248	535	
Arena Blvd., El Centro/I-5	6	0	34,600	45	0.5	1.8%	0.7%	66.9	62	134	289	623	
Commerce Parkwy., Elkhorn/Club Center	6	0	22,800	55	0.5	1.8%	0.7%	67.3	66	142	305	658	
Commerce Parkwy., Club Center/Del Paso	6	0	53,100	55	0.5	1.8%	0.7%	70.9	116	249	536	1,156	
Commerce Parkwy., Del Paso/San Juan	4	0	28,100	55	0.5	1.8%	0.7%	68.0	73	158	340	733	
Del Paso Blvd., SR-160/Grove	4	0	16,900	35	0.5	1.8%	0.7%	61.0	-	54	117	253	
Del Paso Blvd., Grove/Marysville	4	0	NV	35	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
Del Paso Blvd., Marysville/South Ave.	2	0	NV	35	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
Rio Linda Blvd., City Limits/I-80	4	0	12,200	30	0.5	1.8%	0.7%	58.6	-	-	80	173	
Rio Linda Blvd., I-80/Arcade	4	0	14,600	30	0.5	1.8%	0.7%	59.3	-	-	90	195	
Rio Linda Blvd., Arcade/El Camino	4	0	18,200	30	0.5	1.8%	0.7%	60.3	-	49	105	226	
Marysville Blvd., Rio Linda/Bell	2	0	6,200	35	0.5	1.8%	0.7%	56.6	-	-	59	128	
Marysville Blvd., North/Grand	4	0	29,800	30	0.5	1.8%	0.7%	62.4	-	68	145	313	
Marysville Blvd., Grand/Del Paso	4	0	13,300	30	0.5	1.8%	0.7%	58.9	-	-	85	183	
Norwood Ave., Main/I-80	4	0	30,000	40	0.5	1.8%	0.7%	64.9	46	98	211	455	
Norwood Ave., I-80/Leitch	4	0	15,300	40	0.5	1.8%	0.7%	61.9	-	63	135	291	
El Camino Ave., Rio Linda/Norwood	4	0	22,300	45	0.5	1.8%	0.7%	64.8	45	97	209	451	
El Camino Ave., UPRR/B-80	4	0	31,100	45	0.5	1.8%	0.7%	66.3	56	121	261	563	
Arden Way., Del Paso/Royal Oaks	6	0	32,900	40	0.5	1.8%	0.7%	65.5	-	108	232	499	
Arden Way., Royal Oaks/B-80	4	0	42,000	40	0.5	1.8%	0.7%	66.3	57	123	264	570	
Grand Ave., Norwood/Marysville	2	0	7,000	35	0.5	1.8%	0.7%	57.1	-	-	64	138	
Silver Eagle Rd., Northgate/Norwood	2	0	17,000	30	0.5	1.8%	0.7%	59.9	-	46	99	212	
Main Ave., Northgate/Norwood	6	0	24,700	30	0.5	1.8%	0.7%	61.8	-	61	132	285	
Main Ave., Norwood/Rio Linda	6	0	23,000	30	0.5	1.8%	0.7%	61.5	-	59	126	272	
Main Ave., Dry Creek/McLellan Boundary	6	0	2,200	30	0.5	1.8%	0.7%	51.3	-	-	-	57	
Arcade Blvd., Rio Linda/Roseville	4	0	23,700	55	0.5	1.8%	0.7%	67.2	65	141	304	654	
Raley Blvd., City Limits/Bell	6	0	29,600	40	0.5	1.8%	0.7%	65.0	-	100	216	465	

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		CNEL at 100 Feet	Distance from Centerline of Roadway Distance to Contour				
						Medium Trucks	Heavy Trucks		70 CNEL	65 CNEL	60 CNEL	55 CNEL	
Bell Ave., Marysville/Raley	4	0	5,100	40	0.5	1.8%	0.7%	57.2	-	-	65	140	
Roseville Rd., Marconi/I-80	4	0	33,300	30	0.5	1.8%	0.7%	62.9	-	73	157	338	
Winters St., I-80/Bell	4	0	9,600	40	0.5	1.8%	0.7%	59.9	-	46	99	213	
Royal Oaks Dr., SR 160/Arden	2	0	16,600	30	0.5	1.8%	0.7%	59.8	-	45	97	209	
Dry Creek Rd., Bell/Marysville	2	0	2,700	50	0.5	1.8%	0.7%	56.7	-	-	60	129	
Arden Garden Connector	4	0	29,500	50	0.5	1.8%	0.7%	67.1	65	139	300	646	
San Juan Rd., Truxel/Northgate	4	0	24,800	50	0.5	1.8%	0.7%	66.4	58	124	267	575	
W. El Camino Ave., I-80/I-5	6	0	16,700	30	0.5	1.8%	0.7%	60.1	-	-	102	220	
W. El Camino Ave., I-5/Truxel	6	0	34,300	30	0.5	1.8%	0.7%	63.3	-	76	165	355	
W. El Camino Ave., Truxel/Northgate	4	0	23,300	30	0.5	1.8%	0.7%	61.4	-	57	123	266	
W. El Camino., Northgate/UPRR	2	0	23,600	30	0.5	1.8%	0.7%	61.3	-	57	123	264	
Garden Hwy., I-80/Gateway Oaks	2	0	1,600	50	0.5	1.8%	0.7%	54.4	-	-	42	91	
Garden Hwy., Gateway Oaks/I-5	4	0	16,900	50	0.5	1.8%	0.7%	64.7	45	96	207	445	
Northgate Blvd., I-80/W. El Camino	4	0	43,500	25	0.5	1.8%	0.7%	62.5	-	68	147	317	
Northgate Blvd., W. El Camino/SR-160	4	0	32,600	25	0.5	1.8%	0.7%	61.3	-	56	122	262	
W. Silver Eagle Rd.	2	0	NV	30	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
Truxel Rd., Garden Hwy/Woodland Oaks	4	0	30,100	35	0.5	1.8%	0.7%	63.5	-	80	172	371	
Truxel Rd., Woodland Oaks/San Juan	4	0	29,000	35	0.5	1.8%	0.7%	63.4	-	78	168	362	
Truxel Rd., I-80/San Juan	6	0	39,500	30	0.5	1.8%	0.7%	63.9	-	84	181	390	
I Street., 5th/21st	4	0	38,000	35	0.5	1.8%	0.7%	68.4	79	169	365	786	
I Street., 21st/30th	2	0	14,100	35	0.5	1.8%	0.7%	60.2	-	48	102	221	
L Street., 5th/16th	3	0	23,400	40	0.5	1.8%	0.7%	63.7	38	82	177	382	
L Street., 16th/30th	2	0	9,800	50	0.5	1.8%	0.7%	62.3	-	66	142	305	
P Street., 3rd/30th	2	0	10,900	30	0.5	1.8%	0.7%	58.0	-	34	73	158	
J Street., 5th/16th	3	0	23,500	30	0.5	1.8%	0.7%	61.4	-	57	123	265	
J Street., 16th/30th	3	0	22,700	25	0.5	1.8%	0.7%	59.6	-	44	95	204	
J Street., 30th Street/H Street	3	0	16,400	30	0.5	1.8%	0.7%	59.8	-	45	97	209	
Q Street, 3rd/16th	4	0	18,600	35	0.5	1.8%	0.7%	61.5	-	58	125	269	
7th Street	3	0	10,600	30	0.5	1.8%	0.7%	57.9	-	-	72	156	
12th Street., N. B Street/L Street	3	0	30,200	30	0.5	1.8%	0.7%	62.4	-	68	145	313	
12th Street., N Street/W Street	2	0	600	25	0.5	1.8%	0.7%	43.8	-	-	-	-	
15th Street., L Street/Broadway	3	0	17,700	30	0.5	1.8%	0.7%	60.1	-	47	102	219	
15th Street., L Street/J Street	3	0	20,900	30	0.5	1.8%	0.7%	60.8	-	53	114	245	
16th Street., E Street/Broadway	3	0	30,700	30	0.5	1.8%	0.7%	62.5	-	68	147	317	
29th Street	3	0	28,900	30	0.5	1.8%	0.7%	62.2	-	66	141	304	
30th Street	3	0	19,200	30	0.5	1.8%	0.7%	60.5	-	50	108	232	
Alhambra Blvd.	2	0	14,300	30	0.5	1.8%	0.7%	59.2	-	41	88	189	
Broadway., 3rd/Riverside	4	0	21,600	30	0.5	1.8%	0.7%	61.0	-	54	117	253	
Broadway., Riverside/Franklin	4	0	34,500	30	0.5	1.8%	0.7%	63.1	-	74	160	346	
Richards Blvd.	8	0	72,600	35	0.5	1.8%	0.7%	67.9	72	156	336	724	
Exposition Blvd., SR-160/B-80	4	0	32,900	40	0.5	1.8%	0.7%	65.3	48	104	225	484	
Exposition Blvd., B-80/Arden	6	0	46,700	40	0.5	1.8%	0.7%	67.0	63	136	293	630	
Arden Way., B-80/Howe	4	0	74,900	40	0.5	1.8%	0.7%	68.8	84	180	389	838	
Arden Way., Howe/Watt	4	0	32,800	40	0.5	1.8%	0.7%	65.3	48	104	224	483	
Arden Way., Watt/Eastern	4	0	21,600	40	0.5	1.8%	0.7%	63.4	-	79	170	366	
El Camino Ave., B-80/Howe	4	0	35,800	45	0.5	1.8%	0.7%	66.9	62	133	287	618	
El Camino Ave., Howe/Watt	4	0	29,900	45	0.5	1.8%	0.7%	66.1	55	118	254	548	

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway				
						Medium Trucks	Heavy Trucks	CNEL at 100 Feet	Distance to Contour			
								70 CNEL	65 CNEL	60 CNEL	55 CNEL	
El Camino Ave., Watt/Walnut	4	0	22,000	45	0.5	1.8%	0.7%	64.8	45	96	207	447
El Camino Ave., Walnut/Fair Oaks	4	0	NV	45	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Marconi Ave., Howe Fair Oaks	4	0	29,000	40	0.5	1.8%	0.7%	64.7	44	96	207	445
Marconi Ave., Auburn/Howe	4	0	22,400	40	0.5	1.8%	0.7%	63.6	-	81	174	375
American River Dr., Howe/Watt	2	0	12,500	35	0.5	1.8%	0.7%	59.6	-	44	94	204
Heritage Lane	4	0	21,300	35	0.5	1.8%	0.7%	62.0	-	63	137	295
Howe Ave., Fair Oaks/US-50	4	0	66,500	50	0.5	1.8%	0.7%	70.7	111	239	515	1,110
Howe Ave., Fair Oaks/Hurley	6	0	NV	50	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Howe Ave., Arden/Alta Arden	6	0	36,700	50	0.5	1.8%	0.7%	68.3	77	166	357	770
Howe Ave., El Camino/Marconi	2	0	36,000	50	0.5	1.8%	0.7%	67.9	73	157	337	726
Howe Ave., US-50/Folsom	6	0	56,400	50	0.5	1.8%	0.7%	70.2	103	221	476	1,026
Fulton Ave., Arden/El Camino	4	0	31,800	40	0.5	1.8%	0.7%	65.1	47	102	220	473
Alta Arden Ex., Howe/Fulton	4	0	19,000	40	0.5	1.8%	0.7%	62.9	-	72	156	336
Fair Oaks Blvd., Howe/Munroe	6	0	39,000	45	0.5	1.8%	0.7%	67.4	67	145	313	675
Fair Oaks Blvd., Munroe/Watt	4	0	39,700	45	0.5	1.8%	0.7%	67.3	66	143	307	662
Fair Oaks Blvd., Watt/Eastern	4	0	43,100	45	0.5	1.8%	0.7%	67.7	70	151	325	699
Fair Oaks Blvd., Eastern/Manzanita	4	0	NV	45	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Elvas Ave., C Street/H Street	2	0	8,300	30	0.5	1.8%	0.7%	56.8	-	-	61	132
Elvas Ave., H Street/Folsom	4	0	16,700	50	0.5	1.8%	0.7%	64.7	44	95	205	442
H Street., Alhambra/57th Street	2	0	16,900	30	0.5	1.8%	0.7%	59.9	-	46	98	212
H Street., 57th/Carlson	4	0	17,100	25	0.5	1.8%	0.7%	58.5	-	-	79	170
Folsom Blvd., Alhambra/Folsom	4	0	NV	40	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Folsom Blvd., Hornet/Watt	4	0	56,900	40	0.5	1.8%	0.7%	67.7	70	150	324	697
Stockton Blvd., Alhambra/US-50	4	0	25,700	45	0.5	1.8%	0.7%	65.4	50	107	230	495
Jackson Rd., Folsom Blvd/Florin-Perkins	4	0	30,900	30	0.5	1.8%	0.7%	62.6	-	69	149	321
Hornet Dr.	4	0	28,900	45	0.5	1.8%	0.7%	65.9	54	115	249	536
La Riviera Dr.	2	0	21,000	35	0.5	1.8%	0.7%	61.9	-	62	134	288
Carlson Dr.	2	0	11,900	30	0.5	1.8%	0.7%	58.4	-	36	78	168
College Town Dr.	4	0	25,800	35	0.5	1.8%	0.7%	62.9	-	72	155	335
39th Street, J Street/Folsom Blvd	2	0	5,100	55	0.5	1.8%	0.7%	60.5	-	50	107	232
59th Street, US 50/Folsom Blvd	2	0	8,300	55	0.5	1.8%	0.7%	62.6	32	69	149	320
C Street., Alhambra/Elvas	2	0	5,000	35	0.5	1.8%	0.7%	55.7	-	-	51	111
Sutterville Rd., Riverside/Freeport	2	0	13,500	45	0.5	1.8%	0.7%	62.5	-	68	148	318
Sutterville Rd., Freeport/Franklin	4	0	27,600	45	0.5	1.8%	0.7%	65.7	52	112	241	520
Seams Ave.	4	0	17,100	30	0.5	1.8%	0.7%	60.0	-	47	100	216
Riverside Blvd., Broadway/Sutterville	4	0	14,200	30	0.5	1.8%	0.7%	59.2	-	-	89	191
Riverside Blvd., Sutterville/Seamas	2	0	6,900	30	0.5	1.8%	0.7%	56.0	-	-	54	116
Riverside Blvd., Greenhaven/Pocket	2	0	10,200	30	0.5	1.8%	0.7%	57.7	-	33	70	151
Land Park Dr., Broadway/Sutterville	4	0	14,800	35	0.5	1.8%	0.7%	60.5	-	50	107	231
South Land Park Dr., Sutterville/35th	2	0	5,500	40	0.5	1.8%	0.7%	57.4	-	-	67	145
South Land Park Dr., 35th/Windbridge	2	0	5,100	40	0.5	1.8%	0.7%	57.1	-	-	64	138
24th Street., Sutterville/Fruitridge	4	0	14,000	40	0.5	1.8%	0.7%	61.6	-	59	127	274
24th Street., Fruitridge/Florin	4	0	21,500	40	0.5	1.8%	0.7%	63.4	-	79	169	364
24th Street., Florin/Meadowview	4	0	20,700	40	0.5	1.8%	0.7%	63.3	-	77	165	355
Broadway., Alhambra/Stockton	4	0	17,000	35	0.5	1.8%	0.7%	61.1	-	55	118	254
Broadway., Stockton/65th	2	0	21,000	30	0.5	1.8%	0.7%	60.8	-	53	114	245
65th Street., Elvas/Fruitridge	4	0	38,700	45	0.5	1.8%	0.7%	67.2	65	140	302	651

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		CNEL at 100 Feet	Distance from Centerline of Roadway Distance to Contour			
						Medium Trucks	Heavy Trucks		70 CNEL	65 CNEL	60 CNEL	55 CNEL
Power Inn Rd., Jackson/Fruitridge	6	0	40,500	45	0.5	1.8%	0.7%	67.6	69	149	321	692
Power Inn Rd., Fruitridge/53rd	6	0	50,800	45	0.5	1.8%	0.7%	68.6	80	173	374	805
Power Inn Rd., 53rd/Elsie	6	0	37,500	45	0.5	1.8%	0.7%	67.3	66	142	305	657
12th Ave., SR-99/65th Street	4	0	19,300	35	0.5	1.8%	0.7%	61.6	-	59	128	276
14th Ave., 65th/Power Inn	4	0	19,700	40	0.5	1.8%	0.7%	63.0	-	74	160	344
Florin Perkins Rd., Keifer/Fruitridge	4	0	24,800	45	0.5	1.8%	0.7%	65.3	48	104	225	484
Florin Perkins Rd., Fruitridge/Elder Creek	4	0	39,000	45	0.5	1.8%	0.7%	67.2	65	141	304	654
Florin Perkins Rd., Elder Creek/Gerber	4	0	29,300	45	0.5	1.8%	0.7%	66.0	54	116	251	541
MLK Blvd., Broadway/Fruitridge	2	0	10,700	30	0.5	1.8%	0.7%	57.9	-	34	72	156
T Street., Alhambra/64th	2	0	3,400	40	0.5	1.8%	0.7%	55.3	-	-	49	105
33rd Street., US-50/16th Street	2	0	NV	55	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Raley Blvd., Bell/Marysville	6	0	29,600	40	0.5	1.8%	0.7%	65.0	-	100	216	465
South Watt Ave., SR-50/Fruitridge	6	0	72,800	45	0.5	1.8%	0.7%	70.1	102	220	475	1,023
Florin Rd., Riverside/Havenside	4	0	9,200	45	0.5	1.8%	0.7%	61.0	-	54	116	250
Florin Rd., Havenside/I-5	4	0	42,900	45	0.5	1.8%	0.7%	67.7	70	150	324	697
Florin Rd., I-5/Franklin	4	0	48,900	45	0.5	1.8%	0.7%	68.2	76	164	353	761
Pocket Rd., Riverside/Freeport	4	0	13,400	35	0.5	1.8%	0.7%	60.0	-	47	100	216
43rd Ave.	2	0	7,100	40	0.5	1.8%	0.7%	58.5	-	37	80	172
Gloria Drive.	2	0	4,700	45	0.5	1.8%	0.7%	58.0	-	34	73	157
Greenhaven Drive	2	0	7,700	35	0.5	1.8%	0.7%	57.5	-	-	68	147
Meadowview Rd.	4	0	35,200	30	0.5	1.8%	0.7%	63.2	-	75	163	350
Blair Ave.	2	0	8,900	35	0.5	1.8%	0.7%	58.2	-	35	75	162
65th Expressway., Fruitridge/Elder Creek	4	0	NV	45	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
65th Expressway., Elder Creek/53rd	4	0	20,300	45	0.5	1.8%	0.7%	64.4	-	91	197	423
65th Expressway., 53rd/Florin	4	0	19,300	45	0.5	1.8%	0.7%	64.2	-	88	190	409
Elk Grove-Florin., Fruitridge/Elder Creek	6	0	NV	40	0.5	1.8%	0.7%	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Elk Grove-Florin., Elder Creek/Sheldon	6	0	36,800	40	0.5	1.8%	0.7%	66.0	-	116	250	538
Elder Creek Rd., Stockton/Elk Grove-Florin	4	0	25,600	50	0.5	1.8%	0.7%	66.5	59	127	273	587
Elder Creek Rd., Elk Grove Florin/Bradshaw	4	0	31,800	50	0.5	1.8%	0.7%	67.5	68	146	315	679
Mack Rd., Meadowview/Franklin	4	0	36,200	40	0.5	1.8%	0.7%	65.7	52	111	239	516
Mack Rd., Franklin/Center Parkway	4	0	46,300	40	0.5	1.8%	0.7%	66.8	61	131	282	608
Mack Rd., Center Parkway/Stockton	4	0	45,800	40	0.5	1.8%	0.7%	66.7	60	130	280	603
Center Parkway., Tangerine/Mack	2	0	8,500	40	0.5	1.8%	0.7%	59.3	-	42	90	193
Center Parkway., Mack/Calvine	4	0	11,100	40	0.5	1.8%	0.7%	60.6	-	51	109	235
Valley Hi Dr., Mack/Center	6	0	26,100	35	0.5	1.8%	0.7%	63.1	-	75	162	348
Valley Hi Dr., Center/Franklin	2	0	7,500	35	0.5	1.8%	0.7%	57.4	-	-	67	145
Bruceville Rd., Mack/City Limits	6	0	14,100	40	0.5	1.8%	0.7%	61.8	-	61	132	284
Bruceville Rd., City Limits/Elk Grove	6	0	42,300	40	0.5	1.8%	0.7%	66.6	59	127	274	590
47th Ave., Franklin/SR-99	6	0	27,900	40	0.5	1.8%	0.7%	64.8	-	96	208	447
47th Ave., SR-99/Stockton	6	0	42,100	40	0.5	1.8%	0.7%	66.5	59	127	273	588