

Appendix C

Technical Calculations

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions
AM Peak Hour

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	165	168	101.9%	53.6	5.3	D
	Through	747	754	100.9%	30.2	2.1	C
	Right Turn	133	128	95.9%	8.1	1.8	A
	Subtotal	1,045	1,049	100.4%	30.9	2.2	C
SB	Left Turn	48	47	98.8%	65.6	17.6	E
	Through	668	676	101.2%	36.3	2.6	D
	Right Turn	349	358	102.6%	9.5	2.1	A
	Subtotal	1,065	1,081	101.5%	28.6	2.2	C
EB	Left Turn	229	220	95.9%	45.2	7.8	D
	Through	351	367	104.7%	46.4	5.4	D
	Right Turn	282	280	99.3%	7.0	2.0	A
	Subtotal	862	867	100.6%	34.2	3.8	C
WB	Left Turn	187	188	100.3%	39.4	5.8	D
	Through	555	560	101.0%	47.0	5.8	D
	Right Turn	74	73	99.1%	23.8	9.2	C
	Subtotal	816	821	100.6%	43.1	5.4	D
Total		3,788	3,819	100.8%	33.6	2.3	C

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	12	12	103.3%	40.5	22.9	D
	Through	41	40	98.0%	27.5	8.4	C
	Right Turn	55	54	98.9%	19.5	9.3	B
	Subtotal	108	107	99.1%	25.9	10.0	C
SB	Left Turn	67	68	100.7%	31.0	9.7	C
	Through	22	25	115.0%	23.8	7.3	C
	Right Turn	93	92	98.5%	15.9	4.7	B
	Subtotal	182	184	101.3%	23.0	5.0	C
EB	Left Turn	37	36	96.2%	36.2	17.6	D
	Through	489	502	102.6%	19.1	9.4	B
	Right Turn	9	9	100.0%	13.7	19.9	B
	Subtotal	535	546	102.1%	20.1	9.8	C
WB	Left Turn	26	26	101.5%	43.2	14.1	D
	Through	656	659	100.5%	16.3	3.5	B
	Right Turn	74	74	100.3%	11.5	5.4	B
	Subtotal	756	760	100.5%	16.8	3.9	B
Total		1,581	1,598	101.0%	19.3	5.5	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions
AM Peak Hour

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	49	46	93.5%	44.2	15.2	E
	Through						
	Right Turn	7	9	124.3%	18.1	15.2	C
	Subtotal	56	55	97.3%	40.8	14.8	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	591	604	102.3%	3.8	0.6	A
	Right Turn	20	19	92.5%	3.0	1.7	A
	Subtotal	611	623	101.9%	3.7	0.6	A
WB	Left Turn	4	5	117.5%	7.7	7.5	A
	Through	707	719	101.7%	2.3	1.0	A
	Right Turn						
	Subtotal	711	724	101.8%	2.3	1.1	A
Total		1,378	1,401	101.7%	4.4	1.0	A

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	17	19	110.0%	20.5	14.4	C
	Through						
	Right Turn	23	24	104.3%	13.1	8.8	B
	Subtotal	40	43	106.8%	16.9	10.7	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	629	642	102.1%	5.4	6.5	A
	Right Turn	9	10	106.7%	6.7	13.0	A
	Subtotal	638	652	102.2%	5.4	6.6	A
WB	Left Turn	11	10	88.2%	9.9	8.0	A
	Through	739	749	101.3%	0.9	0.2	A
	Right Turn						
	Subtotal	750	758	101.1%	1.1	0.2	A
Total		1,428	1,453	101.7%	3.6	3.0	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions
AM Peak Hour

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	169	176	104.3%	68.9	10.2	E
	Through	1,065	1,088	102.2%	26.1	4.6	C
	Right Turn	79	75	94.7%	13.4	4.7	B
	Subtotal	1,313	1,339	102.0%	30.9	5.2	C
SB	Left Turn	14	15	103.6%	96.9	30.0	F
	Through	1,122	1,115	99.3%	45.7	9.1	D
	Right Turn	157	160	101.6%	26.6	6.0	C
	Subtotal	1,293	1,289	99.7%	44.2	8.5	D
EB	Left Turn	140	138	98.5%	72.8	19.6	E
	Through	307	310	100.8%	61.2	17.9	E
	Right Turn	208	219	105.5%	27.8	12.8	C
	Subtotal	655	667	101.8%	52.1	16.2	D
WB	Left Turn	108	103	95.0%	127.1	35.7	F
	Through	428	429	100.1%	77.5	35.0	E
	Right Turn	36	36	101.1%	29.5	23.8	C
	Subtotal	572	568	99.2%	83.9	33.7	F
Total		3,833	3,863	100.8%	47.0	8.5	D

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	526	517	98.3%	22.4	3.5	C
	Through						
	Right Turn	18	20	112.8%	10.4	3.9	B
	Subtotal	544	537	98.7%	21.9	3.3	C
EB	Left Turn	16	17	105.0%	31.7	15.9	C
	Through	392	393	100.3%	11.4	4.9	B
	Right Turn						
	Subtotal	408	410	100.5%	12.5	4.8	B
WB	Left Turn						
	Through	567	567	100.0%	13.3	4.2	B
	Right Turn	859	868	101.0%	7.0	1.1	A
	Subtotal	1,426	1,435	100.6%	9.5	1.9	A
Total		2,378	2,382	100.2%	12.9	2.0	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
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AM Peak Hour

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	789	789	100.0%	34.6	10.8	C
	Through						
	Right Turn	160	164	102.2%	40.0	18.3	D
	Subtotal	949	953	100.4%	35.7	12.2	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	345	338	98.0%	31.4	2.6	C
	Right Turn	553	551	99.5%	9.0	1.1	A
	Subtotal	898	889	99.0%	17.7	1.4	B
WB	Left Turn	149	145	97.2%	36.1	7.2	D
	Through	547	550	100.5%	16.4	3.2	B
	Right Turn						
	Subtotal	696	695	99.8%	20.8	3.7	C
Total		2,543	2,536	99.7%	25.1	4.8	C

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	325	75	11	125	20	150	27	0%	0%
	Left Turn	325	100	9	150	11	175	24	0%	0%
	Through	2,300	150	16	250	35	300	68	4%	0%
	Right Turn	175	50	15	175	34	200	0	0%	0%
NB	U/Left Turns	275	75	6	150	15	150	21	0%	0%
	Left Turn	275	100	4	150	12	175	29	0%	0%
	Through	275	200	19	300	24	325	23	10%	3%
	Right Turn	175	75	13	200	28	200	0	0%	0%
SB	U/Left Turns	275	50	11	125	43	200	103	0%	0%
	Through	1,125	225	23	350	32	400	37	13%	0%
	Right Turn	1,125	100	10	200	9	150	0	1%	0%
WB	U/Left Turns	125	50	5	125	9	150	15	0%	0%
	Left Turn	375	125	10	225	17	275	21	2%	0%
	Through	1,800	275	25	425	41	550	48	11%	0%
	Through/Right	200	200	7	275	5	225	0	9%	0%

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	200	50	15	125	40	200	44	0%	0%
	Through	1,075	200	21	425	50	525	81	12%	0%
	Right Turn	150	25	4	25	30	50	74	0%	0%
NB	Left Turn	125	25	3	50	6	75	12	0%	0%
	Through/Right	1,250	50	7	100	14	125	30	1%	0%
SB	Left Turn	200	50	4	75	9	100	16	0%	0%
	Through/Right	1,000	50	7	100	15	125	29	0%	0%
WB	Left Turn	200	25	6	100	28	175	64	0%	0%
	Through/Right	675	200	35	400	69	550	98	8%	0%

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through/Right	675	25	3	25	4	50	6	0%	0%
	Left Turn	950	50	10	75	29	125	46	33%	0%
NB	Right Turn	25	25	2	50	5	50	3	0%	0%
	Left/Through	550	25	11	75	68	175	129	0%	0%
WB										
O										

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	1,025	125	15	225	47	300	71	2%	0%
	Right Turn	25	25	2	50	5	50	5	0%	0%
NB	Shared	650	25	4	50	12	75	26	0%	0%
WB	U/Left Turns	125	25	3	25	8	50	6	0%	0%
	Through	225	25	1	25	7	25	20	0%	0%
O										

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	50	6	100	16	125	23	0%	0%
	Left Turn	325	75	6	125	14	150	30	1%	0%
	Through	1,350	425	29	550	30	650	32	29%	0%
	Right Turn	175	125	8	275	5	200	0	2%	0%
NB	U/Left Turns	375	175	21	275	43	350	56	0%	0%
	Through	1,200	225	12	400	32	425	53	24%	0%
	Right Turn	125	50	12	125	23	150	0	0%	0%
SB	U/Left Turns	200	25	9	125	36	200	53	0%	0%
	Through	1,250	400	28	625	37	625	35	27%	0%
	Right Turn	175	100	19	250	22	200	0	0%	0%
WB	Left Turn	125	125	10	200	8	150	0	14%	0%
	Through	925	375	67	550	115	650	118	47%	0%
	Right Turn	75	25	5	75	12	100	0	0%	0%

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	125	25	5	75	18	100	48	0%	0%
	Through	300	100	14	175	28	225	31	3%	0%
SB	Left Turn	1,400	150	16	250	36	325	66	1%	0%
	Right Turn	275	25	4	50	22	75	73	0%	0%
WB	Through	700	175	26	300	49	350	84	0%	0%
	Right Turn	700	25	0	25	0	25	0	0%	0%
0										

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	600	200	26	325	40	375	55	0%	0%
	Right Turn	600	25	0	25	0	25	0	0%	0%
NB	Left Turn	400	200	38	350	72	400	69	1%	0%
	Shared	1,850	275	53	475	170	625	258	3%	0%
WB	Left Turn	175	100	6	175	9	200	9	1%	0%
	Through	1,275	125	18	250	46	350	113	2%	0%
O										

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions
PM Peak Hour

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	347	339	97.7%	55.3	6.6	E
	Through	735	732	99.6%	35.4	5.6	D
	Right Turn	150	145	96.8%	13.1	3.4	B
	Subtotal	1,232	1,216	98.7%	38.6	5.1	D
SB	Left Turn	69	69	99.3%	79.0	25.2	E
	Through	743	739	99.4%	52.1	5.5	D
	Right Turn	271	279	102.8%	8.6	3.5	A
	Subtotal	1,083	1,086	100.3%	43.2	5.7	D
EB	Left Turn	375	380	101.2%	41.0	6.4	D
	Through	578	578	100.0%	49.2	10.4	D
	Right Turn	358	361	100.8%	10.9	4.9	B
	Subtotal	1,311	1,318	100.5%	36.6	7.2	D
WB	Left Turn	234	224	95.5%	59.0	14.2	E
	Through	504	502	99.5%	65.6	15.6	E
	Right Turn	81	73	89.8%	33.8	19.8	C
	Subtotal	819	798	97.4%	60.9	15.2	E
Total		4,445	4,418	99.4%	43.1	6.6	D

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	8	8	93.8%	23.5	16.0	C
	Through	26	28	108.8%	33.5	12.3	C
	Right Turn	42	44	105.5%	16.4	4.8	B
	Subtotal	76	80	105.4%	23.4	5.7	C
SB	Left Turn	77	68	87.7%	26.1	6.9	C
	Through	49	49	100.8%	27.2	7.0	C
	Right Turn	56	53	94.6%	14.4	4.5	B
	Subtotal	182	170	93.4%	22.6	4.6	C
EB	Left Turn	44	40	91.4%	37.6	11.8	D
	Through	669	667	99.7%	25.6	7.5	C
	Right Turn	22	23	103.6%	14.9	9.1	B
	Subtotal	735	730	99.3%	25.8	7.5	C
WB	Left Turn	59	61	102.7%	33.8	9.1	C
	Through	697	687	98.6%	22.3	4.6	C
	Right Turn	73	72	98.6%	19.7	5.8	B
	Subtotal	829	820	98.9%	22.9	4.8	C
Total		1,822	1,800	98.8%	24.1	3.7	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions
PM Peak Hour

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	20	20	102.0%	73.1	49.3	F
	Through						
	Right Turn	7	8	111.4%	28.4	71.4	D
	Subtotal	27	28	104.4%	62.2	54.5	F
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	728	718	98.7%	5.7	1.2	A
	Right Turn	60	61	101.5%	4.3	1.1	A
	Subtotal	788	779	98.9%	5.6	1.2	A
WB	Left Turn	8	8	98.8%	15.9	12.8	C
	Through	809	797	98.5%	4.2	3.5	A
	Right Turn						
	Subtotal	817	805	98.5%	4.4	3.6	A
Total		1,632	1,613	98.8%	6.4	3.7	A

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	4	4	97.5%	20.7	54.4	C
	Through						
	Right Turn	19	19	101.6%	21.3	17.4	C
	Subtotal	23	23	100.9%	23.4	24.1	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	728	716	98.4%	11.2	14.9	B
	Right Turn	9	8	86.7%	8.2	10.3	A
	Subtotal	737	724	98.2%	11.2	14.9	B
WB	Left Turn	35	34	96.3%	31.2	55.2	D
	Through	822	808	98.3%	1.1	0.3	A
	Right Turn						
	Subtotal	857	842	98.2%	2.2	2.1	A
Total		1,617	1,589	98.3%	6.6	8.1	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions
PM Peak Hour

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	228	230	100.7%	140.2	53.1	F
	Through	1,248	1,252	100.3%	36.8	9.2	D
	Right Turn	135	134	99.3%	18.6	4.5	B
	Subtotal	1,611	1,616	100.3%	50.8	14.2	D
SB	Left Turn	45	42	93.3%	110.9	24.2	F
	Through	1,255	1,236	98.5%	72.2	13.0	E
	Right Turn	239	235	98.4%	48.6	15.3	D
	Subtotal	1,539	1,513	98.3%	69.6	13.3	E
EB	Left Turn	177	171	96.8%	85.9	24.7	F
	Through	317	316	99.6%	79.1	29.2	E
	Right Turn	255	247	96.7%	37.5	22.9	D
	Subtotal	749	734	98.0%	67.4	24.9	E
WB	Left Turn	102	102	99.6%	82.4	13.5	F
	Through	399	386	96.7%	87.0	12.1	F
	Right Turn	49	51	103.1%	40.6	19.2	D
	Subtotal	550	538	97.8%	82.0	11.6	F
Total		4,449	4,401	98.9%	64.2	13.0	E

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	799	803	100.4%	31.8	10.2	C
	Through						
	Right Turn	56	56	99.8%	11.5	2.5	B
	Subtotal	855	858	100.4%	30.5	9.8	C
EB	Left Turn	22	22	98.6%	50.9	13.1	D
	Through	549	544	99.0%	15.0	7.2	B
	Right Turn						
	Subtotal	571	565	99.0%	16.2	7.3	B
WB	Left Turn						
	Through	498	489	98.1%	21.4	6.4	C
	Right Turn	815	821	100.7%	7.3	0.9	A
	Subtotal	1,313	1,310	99.7%	12.4	1.9	B
Total		2,739	2,733	99.8%	18.7	3.6	B

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Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions
PM Peak Hour

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	724	724	100.0%	41.6	23.5	D
	Through						
	Right Turn	179	175	97.7%	41.9	31.6	D
	Subtotal	903	899	99.6%	41.7	25.4	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	540	531	98.4%	90.0	54.1	F
	Right Turn	722	720	99.8%	23.5	22.8	C
	Subtotal	1,262	1,252	99.2%	52.5	35.5	D
WB	Left Turn	234	239	102.2%	39.6	9.1	D
	Through	529	531	100.4%	14.1	2.2	B
	Right Turn						
	Subtotal	763	770	100.9%	21.9	4.6	C
Total		2,928	2,921	99.8%	41.3	14.9	D

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	325	125	6	175	8	200	21	0%	0%
	Left Turn	325	150	7	225	29	300	80	0%	0%
	Through	2,300	225	21	350	52	450	92	20%	0%
	Right Turn	175	100	30	275	38	250	0	2%	0%
NB	U/Left Turns	275	175	8	250	19	300	12	0%	1%
	Left Turn	275	150	10	225	17	250	6	0%	0%
	Through	275	225	12	300	21	325	19	12%	4%
	Right Turn	175	75	22	200	50	250	0	0%	0%
SB	U/Left Turns	275	75	16	225	42	300	1	0%	0%
	Through	1,125	300	24	425	52	500	66	29%	0%
	Right Turn	1,125	100	23	250	32	225	0	0%	0%
WB	U/Left Turns	125	75	6	125	11	150	8	1%	0%
	Left Turn	275	100	7	150	15	200	45	3%	0%
	Through	275	225	15	350	20	350	11	15%	6%
	Through/Right	200	200	7	275	7	225	0	15%	0%

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	200	50	11	150	27	225	1	0%	0%
	Through	1,075	300	41	550	92	650	115	20%	0%
	Right Turn	150	25	13	100	51	200	66	0%	0%
NB	Left Turn	125	25	3	50	5	50	14	0%	0%
	Through/Right	1,250	50	3	75	5	100	15	0%	0%
SB	Left Turn	200	50	7	100	14	100	22	0%	0%
	Through/Right	1,000	50	6	100	12	100	12	0%	0%
WB	Left Turn	200	50	12	175	37	250	3	0%	0%
	Through/Right	675	275	28	500	63	575	92	15%	0%

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through/Right	675	25	3	50	12	75	41	0%	0%
	Left Turn	950	25	3	50	10	75	18	25%	0%
NB	Right Turn	25	25	3	50	6	50	5	0%	0%
	Left/Through	550	50	16	150	76	325	148	0%	0%
WB										
O										

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	75	100	34	175	36	150	14	23%	23%
	Right Turn	25	25	1	50	3	50	4	0%	0%
NB	Shared	650	25	3	50	4	50	10	0%	0%
WB	U/Left Turns	125	25	4	75	8	75	19	0%	0%
	Through	575	100	36	375	122	600	288	0%	1%
O										

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	75	10	150	17	150	13	1%	0%
	Left Turn	150	150	9	250	5	200	0	2%	0%
	Through	575	475	65	675	51	600	13	52%	19%
	Right Turn	175	150	16	300	8	225	0	5%	0%
NB	U/Left Turns	375	275	35	425	36	400	1	7%	0%
	Through	1,200	375	100	625	240	700	210	32%	0%
	Right Turn	125	100	15	250	21	225	0	0%	0%
SB	U/Left Turns	200	75	8	175	23	225	1	0%	0%
	Through	1,250	600	106	900	191	950	183	43%	0%
	Right Turn	175	150	21	325	14	250	0	0%	0%
WB	Left Turn	325	125	18	275	41	350	3	0%	0%
	Through	350	275	23	400	24	425	16	41%	3%
	Right Turn	75	25	7	100	13	125	0	0%	0%

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	125	25	7	75	18	100	43	0%	0%
	Through	300	125	15	225	27	300	40	4%	0%
SB	Left Turn	1,375	225	32	375	84	450	103	6%	0%
	Right Turn	275	50	15	125	72	225	136	0%	0%
WB	Through	700	200	18	350	45	450	109	0%	0%
	Right Turn	700	25	0	25	0	25	0	0%	0%
O										

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	600	450	69	650	82	625	10	0%	12%
	Right Turn	600	25	0	25	0	25	0	0%	0%
NB	Left Turn	400	250	49	425	78	450	26	2%	0%
	Shared	1,850	350	92	575	263	725	380	6%	0%
WB	Left Turn	175	150	7	225	8	200	1	9%	0%
	Through	1,275	125	21	250	44	350	89	2%	0%
O										

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
AM Peak Hour

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	165	163	98.8%	70.5	10.2	E
	Through	747	748	100.2%	34.8	3.6	C
	Right Turn	133	133	100.3%	11.4	3.0	B
	Subtotal	1,045	1,045	100.0%	37.1	3.8	D
SB	Left Turn	48	50	104.2%	57.7	7.9	E
	Through	668	659	98.6%	34.4	3.2	C
	Right Turn	349	344	98.5%	14.8	4.8	B
	Subtotal	1,065	1,052	98.8%	29.5	3.0	C
EB	Left Turn	229	226	98.9%	159.8	76.3	F
	Through	351	355	101.0%	33.3	4.7	C
	Right Turn	282	288	102.1%	6.1	1.0	A
	Subtotal	862	869	100.8%	58.6	22.7	E
WB	Left Turn	187	188	100.7%	60.5	22.9	E
	Through	555	545	98.1%	34.6	6.0	C
	Right Turn	74	67	90.7%	11.1	4.9	B
	Subtotal	816	800	98.0%	38.5	8.9	D
Total		3,788	3,766	99.4%	40.1	5.4	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
AM Peak Hour

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	12	11	90.8%	33.8	20.5	C
	Through	41	38	93.2%	31.2	10.0	C
	Right Turn	55	55	100.5%	15.1	4.8	B
	Subtotal	108	104	96.7%	24.0	6.8	C
SB	Left Turn	67	66	98.7%	33.9	8.8	C
	Through	22	22	101.8%	28.9	7.3	C
	Right Turn	93	93	99.9%	17.2	5.5	B
	Subtotal	182	181	99.7%	24.6	5.5	C
EB	Left Turn	37	37	100.3%	38.9	9.3	D
	Through	489	499	102.0%	17.2	3.9	B
	Right Turn	9	11	116.7%	10.3	8.9	B
	Subtotal	535	546	102.1%	18.6	3.4	B
WB	Left Turn	26	22	86.2%	32.6	12.0	C
	Through	656	650	99.1%	17.1	4.9	B
	Right Turn	74	73	99.2%	12.7	4.3	B
	Subtotal	756	746	98.6%	17.1	4.8	B
Total		1,581	1,578	99.8%	18.9	3.3	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
AM Peak Hour

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	49	46	94.7%	45.2	22.3	E
	Through						
	Right Turn	7	8	108.6%	20.9	17.9	C
	Subtotal	56	54	96.4%	43.0	21.2	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	591	598	101.1%	3.3	0.5	A
	Right Turn	20	20	100.0%	2.0	1.0	A
	Subtotal	611	618	101.1%	3.3	0.5	A
WB	Left Turn	4	3	75.0%	12.3	15.4	B
	Through	707	696	98.4%	2.6	1.4	A
	Right Turn						
	Subtotal	711	699	98.3%	2.7	1.5	A
Total		1,378	1,370	99.4%	4.4	1.3	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
AM Peak Hour

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	17	18	102.9%	10.0	6.2	A
	Through						
	Right Turn	23	27	116.5%	9.8	4.3	A
	Subtotal	40	44	110.8%	10.6	4.9	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	629	631	100.3%	0.5	0.2	A
	Right Turn	9	9	94.4%	0.4	0.1	A
	Subtotal	638	640	100.3%	0.5	0.2	A
WB	Left Turn	11	10	90.0%	8.1	7.7	A
	Through	739	727	98.3%	0.3	0.1	A
	Right Turn						
	Subtotal	750	737	98.2%	0.4	0.2	A
Total		1,428	1,421	99.5%	0.7	0.2	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
AM Peak Hour

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Movement	we Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	169	168	99.6%	167.0	88.9	F
	Through	1,065	1,055	99.1%	26.2	15.8	C
	Right Turn	79	80	100.6%	14.2	6.6	B
	Subtotal	1,313	1,303	99.2%	44.3	24.2	D
SB	Left Turn	14	14	97.9%	73.5	41.4	E
	Through	1,122	1,106	98.6%	68.9	28.7	E
	Right Turn	157	153	97.1%	54.6	28.7	D
	Subtotal	1,293	1,273	98.4%	67.3	28.8	E
EB	Left Turn	140	139	99.3%	48.9	6.9	D
	Through	307	313	101.9%	32.7	8.1	C
	Right Turn	208	209	100.3%	9.2	4.8	A
	Subtotal	655	660	100.8%	27.9	5.7	C
WB	Left Turn	108	107	99.3%	87.8	44.1	F
	Through	428	421	98.4%	52.0	9.0	D
	Right Turn	36	34	95.6%	38.7	11.9	D
	Subtotal	572	563	98.4%	58.2	13.0	E
Total		3,833	3,799	99.1%	51.3	14.6	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
AM Peak Hour

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	526	523	99.3%	46.2	18.3	D
	Through						
	Right Turn	18	17	94.4%	12.9	6.6	B
	Subtotal	544	540	99.2%	45.3	18.0	D
EB	Left Turn	16	16	101.9%	51.0	16.9	D
	Through	392	400	102.0%	24.9	3.4	C
	Right Turn						
	Subtotal	408	416	102.0%	26.1	3.7	C
WB	Left Turn						
	Through	567	561	98.9%	23.9	4.0	C
	Right Turn	859	846	98.5%	9.6	2.5	A
	Subtotal	1,426	1,407	98.7%	15.4	2.8	B
Total		2,378	2,363	99.4%	24.2	6.3	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
AM Peak Hour

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	789	784	99.3%	35.2	3.5	D
	Through						
	Right Turn	160	151	94.5%	16.9	3.1	B
	Subtotal	949	935	98.5%	32.3	3.4	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	345	349	101.0%	42.5	6.0	D
	Right Turn	553	553	99.9%	10.7	2.4	B
	Subtotal	898	901	100.4%	23.2	3.9	C
WB	Left Turn	149	152	101.7%	93.1	16.1	F
	Through	547	543	99.3%	51.8	11.9	D
	Right Turn						
	Subtotal	696	695	99.8%	60.2	12.4	E
Total		2,543	2,531	99.5%	36.8	4.3	D

Intersection 1 Sylvan Rd/Auburn Bl-Old Auburn Rd Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	325	175	66	250	81	250	67	1%	0%
	Left Turn	325	175	63	275	82	275	72	8%	0%
	Through	2,300	150	80	275	189	300	194	1%	0%
	Right Turn	175	25	14	100	53	200	70	1%	0%
NB	U/Left Turns	275	75	14	150	24	175	30	0%	0%
	Left Turn	1,125	175	34	325	72	500	100	0%	0%
	Through	4,500	200	10	300	16	300	20	10%	3%
	Right Turn	175	75	13	200	25	200	0	0%	0%
SB	U/Left Turns	275	50	12	125	41	175	88	0%	0%
	Through	2,275	225	12	350	31	400	49	14%	0%
	Right Turn	125	125	10	200	7	150	0	7%	0%
WB	U/Left Turns	275	150	26	275	54	300	53	0%	3%
	Through	1,425	300	15	400	10	375	15	30%	20%
	Right Turn	200	75	13	225	25	225	0	0%	0%

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	200	25	9	75	39	150	78	0%	0%
	Through	2,950	175	34	375	64	450	83	10%	0%
	Right Turn	150	25	5	50	29	100	66	0%	0%
NB	Left Turn	125	25	1	25	3	50	12	0%	0%
	Through/Right	2,225	50	5	75	16	100	21	0%	0%
SB	Left Turn	200	50	4	100	11	125	22	0%	0%
	Through/Right	1,000	50	8	100	19	125	43	0%	0%
WB	Left Turn	200	25	6	75	28	150	75	0%	0%
	Through/Right	3,025	200	35	375	61	500	86	7%	0%

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through/Right	675	25	2	25	5	50	8	0%	0%
	Left Turn	950	50	9	75	20	125	35	33%	0%
NB	Right Turn	25	25	2	50	5	50	5	0%	0%
	Left/Through	2,350	25	8	75	58	150	155	0%	0%
WB										
O										

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	2,375	25	3	25	20	50	50	0%	0%
	Right Turn	25	25	3	50	6	50	5	0%	0%
NB	Shared	650	25	3	50	6	75	14	0%	0%
WB	U/Left Turns	125	25	2	25	6	50	10	0%	0%
	Through	500	25	1	25	9	25	25	0%	0%
0										

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	50	9	100	18	125	27	0%	0%
	Left Turn	400	75	6	125	18	150	45	0%	0%
	Through	2,950	200	23	325	39	375	51	1%	0%
	Right Turn	375	75	19	200	65	325	90	0%	0%
NB	U/Left Turns	375	250	88	350	66	350	47	22%	0%
	Through	1,200	350	339	575	463	625	373	12%	1%
	Right Turn	125	25	7	125	16	150	0	0%	0%
SB	U/Left Turns	200	25	12	125	49	200	53	0%	0%
	Through	1,275	375	101	675	218	800	252	42%	0%
	Right Turn	175	125	18	250	21	200	0	0%	0%
WB	Left Turn	375	150	27	325	50	375	1	0%	0%
	Through	950	325	27	500	66	575	77	53%	0%
	Right Turn	75	25	4	100	11	100	0	0%	0%

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	125	50	7	100	26	150	38	0%	0%
	Through	1,350	250	14	350	25	350	18	17%	0%
SB	Left Turn	1,375	325	83	525	139	600	147	0%	0%
	Right Turn	1,375	25	2	25	8	50	26	0%	0%
WB	Through	1,375	225	21	375	60	475	109	1%	0%
	Right Turn	325	100	15	275	37	325	0	0%	0%
0										

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	1,350	300	26	500	66	625	98	3%	0%
	Right Turn	325	125	20	300	37	350	0	0%	0%
NB	Left Turn	400	350	17	475	20	425	0	9%	0%
	Right Turn	2,600	225	77	675	170	825	223	0%	0%
WB	Left Turn	175	150	13	225	21	200	26	1%	0%
	Through	2,750	425	60	675	127	750	128	35%	0%
0										

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
PM Peak Hour

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	347	345	99.5%	140.3	51.5	F
	Through	735	741	100.9%	43.5	12.0	D
	Right Turn	150	147	98.3%	20.1	11.5	C
	Subtotal	1,232	1,234	100.2%	69.7	23.2	E
SB	Left Turn	69	73	105.5%	71.4	20.9	E
	Through	743	742	99.8%	53.6	9.6	D
	Right Turn	271	259	95.7%	21.1	14.6	C
	Subtotal	1,083	1,074	99.2%	46.9	10.8	D
EB	Left Turn	375	371	99.0%	65.8	11.3	E
	Through	578	587	101.6%	39.2	2.8	D
	Right Turn	358	364	101.7%	13.3	4.6	B
	Subtotal	1,311	1,323	100.9%	39.5	3.5	D
WB	Left Turn	234	224	95.7%	122.5	37.3	F
	Through	504	496	98.5%	74.9	15.9	E
	Right Turn	81	77	94.6%	39.3	14.8	D
	Subtotal	819	797	97.3%	85.8	20.8	F
Total		4,445	4,427	99.6%	58.2	7.8	E

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
PM Peak Hour

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	8	7	82.5%	19.7	15.3	B
	Through	26	26	101.2%	26.8	11.5	C
	Right Turn	42	42	101.0%	14.0	5.4	B
	Subtotal	76	75	99.1%	20.0	9.0	B
SB	Left Turn	77	82	106.2%	25.9	5.3	C
	Through	49	46	94.1%	27.2	7.3	C
	Right Turn	56	63	111.8%	15.3	6.4	B
	Subtotal	182	191	104.7%	22.4	4.6	C
EB	Left Turn	44	42	95.9%	36.5	6.5	D
	Through	669	665	99.3%	25.2	6.0	C
	Right Turn	22	23	103.2%	10.4	3.6	B
	Subtotal	735	730	99.3%	25.3	5.7	C
WB	Left Turn	59	59	100.7%	33.7	6.2	C
	Through	697	674	96.7%	21.3	4.5	C
	Right Turn	73	75	102.5%	16.4	6.4	B
	Subtotal	829	808	97.5%	21.8	4.5	C
Total		1,822	1,803	99.0%	23.2	3.4	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
PM Peak Hour

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	20	21	105.5%	54.1	32.1	F
	Through						
	Right Turn	7	9	127.1%	17.9	22.3	C
	Subtotal	27	30	111.1%	44.9	28.9	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	728	725	99.6%	5.9	1.1	A
	Right Turn	60	63	105.0%	4.0	1.2	A
	Subtotal	788	788	100.0%	5.8	1.1	A
WB	Left Turn	8	6	80.0%	12.1	12.9	B
	Through	809	787	97.2%	3.5	4.2	A
	Right Turn						
	Subtotal	817	793	97.1%	3.7	4.3	A
Total		1,632	1,611	98.7%	5.5	2.4	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
PM Peak Hour

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	4	5	112.5%	16.7	31.3	C
	Through						
	Right Turn	19	19	101.1%	18.7	27.0	C
	Subtotal	23	24	103.0%	19.5	27.4	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	728	729	100.2%	1.0	0.7	A
	Right Turn	9	9	103.3%	1.6	3.7	A
	Subtotal	737	739	100.2%	1.0	0.7	A
WB	Left Turn	35	33	95.4%	12.6	15.1	B
	Through	822	796	96.8%	0.3	0.1	A
	Right Turn						
	Subtotal	857	829	96.7%	0.9	0.9	A
Total		1,617	1,591	98.4%	1.2	1.3	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
PM Peak Hour

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	228	228	100.1%	142.8	50.5	F
	Through	1,248	1,245	99.7%	25.3	15.9	C
	Right Turn	135	145	107.6%	15.5	12.6	B
	Subtotal	1,611	1,618	100.5%	41.5	21.1	D
SB	Left Turn	45	47	105.3%	134.2	48.5	F
	Through	1,255	1,250	99.6%	88.1	29.9	F
	Right Turn	239	239	100.0%	70.1	27.5	E
	Subtotal	1,539	1,536	99.8%	86.9	29.9	F
EB	Left Turn	177	183	103.3%	87.1	26.0	F
	Through	317	311	98.0%	57.4	9.1	E
	Right Turn	255	256	100.5%	17.3	3.9	B
	Subtotal	749	750	100.1%	52.4	11.0	D
WB	Left Turn	102	98	96.3%	123.6	47.8	F
	Through	399	372	93.3%	83.1	24.8	F
	Right Turn	49	49	100.6%	64.7	26.5	E
	Subtotal	550	520	94.5%	89.5	27.8	F
Total		4,449	4,424	99.4%	65.2	13.0	E

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
PM Peak Hour

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	799	778	97.3%	61.4	34.5	E
	Through						
	Right Turn	56	54	97.0%	26.4	20.3	C
	Subtotal	855	832	97.3%	59.1	33.3	E
EB	Left Turn	22	20	88.6%	121.2	43.7	F
	Through	549	542	98.8%	56.7	22.7	E
	Right Turn						
	Subtotal	571	562	98.4%	59.1	23.1	E
WB	Left Turn						
	Through	498	471	94.6%	77.8	21.1	E
	Right Turn	815	789	96.8%	37.2	16.1	D
	Subtotal	1,313	1,260	95.9%	52.3	18.3	D
Total		2,739	2,654	96.9%	56.1	19.4	E

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Preferred Concept)
PM Peak Hour

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	724	697	96.2%	68.3	47.6	E
	Through						
	Right Turn	179	176	98.2%	38.1	37.7	D
	Subtotal	903	873	96.6%	62.6	46.2	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	540	518	96.0%	57.4	17.2	E
	Right Turn	722	714	98.9%	27.3	13.8	C
	Subtotal	1,262	1,232	97.7%	40.2	15.5	D
WB	Left Turn	234	220	94.1%	104.7	26.8	F
	Through	529	522	98.7%	43.5	17.2	D
	Right Turn						
	Subtotal	763	742	97.3%	62.1	20.1	E
Total		2,928	2,847	97.2%	53.1	20.8	D

Intersection 1 Sylvan Rd/Auburn Bl-Old Auburn Rd Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	325	175	19	250	32	275	30	0%	0%
	Left Turn	325	200	22	275	37	300	33	0%	0%
	Through	2,300	225	16	350	32	425	68	13%	0%
	Right Turn	175	150	19	275	7	200	0	5%	0%
NB	U/Left Turns	275	200	33	300	48	275	25	0%	9%
	Left Turn	1,125	300	45	400	67	425	50	1%	0%
	Through	4,500	325	53	500	86	600	100	14%	0%
	Right Turn	175	100	13	225	19	200	0	0%	0%
SB	U/Left Turns	275	125	31	275	54	300	1	0%	0%
	Through	2,775	325	47	475	75	525	86	33%	0%
	Right Turn	125	125	9	200	7	150	0	5%	0%
WB	U/Left Turns	275	250	16	375	33	350	14	0%	17%
	Through	2,950	550	102	825	140	925	132	45%	0%
	Right Turn	200	75	21	250	32	225	0	0%	0%

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	200	50	12	150	34	225	1	0%	0%
	Through	2,950	275	37	525	68	625	79	20%	0%
	Right Turn	150	25	10	125	33	225	0	0%	0%
NB	Left Turn	125	25	1	25	3	25	7	0%	0%
	Through/Right	2,225	25	2	75	7	100	23	0%	0%
SB	Left Turn	200	50	7	100	15	125	25	0%	0%
	Through/Right	1,000	50	5	100	14	125	27	0%	0%
WB	Left Turn	200	50	13	150	46	225	50	0%	0%
	Through/Right	3,025	275	15	475	56	550	79	13%	0%

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through/Right	675	25	4	75	13	100	39	0%	0%
NB	Left Turn	950	25	7	50	20	75	33	27%	0%
	Right Turn	25	25	2	50	5	50	3	0%	0%
WB	Left/Through	2,350	25	20	125	77	275	155	0%	0%
O										

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	2,375	25	3	50	20	100	49	1%	0%
	Right Turn	25	25	2	50	4	50	4	0%	0%
NB	Shared	650	25	3	50	7	50	21	0%	0%
WB	U/Left Turns	125	25	5	50	9	75	18	0%	0%
	Through	500	25	3	25	18	75	41	0%	0%
0										

Intersection 5 Sunrise Bl/Old Auburn Rd Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	100	13	175	18	175	14	4%	0%
	Left Turn	400	100	12	200	28	225	51	8%	0%
	Through	4,175	400	26	600	48	725	54	4%	0%
	Right Turn	375	150	29	375	47	375	33	0%	0%
NB	U/Left Turns	375	300	50	425	37	400	1	25%	0%
	Through	1,200	300	115	700	310	900	376	9%	0%
	Right Turn	125	50	10	150	30	200	0	0%	0%
SB	U/Left Turns	200	75	18	200	41	225	0	0%	0%
	Through	1,275	575	227	875	366	900	324	51%	0%
	Right Turn	175	175	20	325	19	250	0	1%	0%
WB	Left Turn	375	225	36	425	33	400	0	0%	0%
	Through	950	475	84	750	157	825	161	65%	1%
	Right Turn	75	25	3	100	6	125	0	0%	0%

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	125	50	9	100	20	150	23	0%	0%
	Through	2,325	425	44	575	60	675	64	49%	0%
SB	Left Turn	1,375	575	134	1,000	187	1,000	173	0%	0%
	Right Turn	1,375	300	157	725	211	775	154	0%	0%
WB	Through	2,000	725	62	1,200	81	1,300	47	19%	0%
	Right Turn	325	275	22	475	13	350	0	1%	0%
0										

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	2,075	575	112	1,075	147	1,250	100	13%	0%
	Right Turn	325	250	29	425	16	350	0	0%	0%
NB	Left Turn	400	400	28	525	22	450	0	22%	0%
	Right Turn	2,600	375	196	950	406	1,150	408	0%	1%
WB	Left Turn	175	175	17	225	16	200	4	11%	0%
	Through	2,750	450	138	825	299	925	291	27%	1%
0										

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
AM Peak Hour

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	165	163	98.8%	70.5	10.2	E
	Through	747	748	100.2%	34.8	3.6	C
	Right Turn	133	133	100.3%	11.4	3.0	B
	Subtotal	1,045	1,045	100.0%	37.1	3.8	D
SB	Left Turn	48	50	104.2%	57.7	7.9	E
	Through	668	659	98.6%	34.4	3.2	C
	Right Turn	349	344	98.5%	14.8	4.8	B
	Subtotal	1,065	1,052	98.8%	29.5	3.0	C
EB	Left Turn	229	226	98.9%	159.8	76.3	F
	Through	351	355	101.0%	33.3	4.7	C
	Right Turn	282	288	102.1%	6.1	1.0	A
	Subtotal	862	869	100.8%	58.6	22.7	E
WB	Left Turn	187	188	100.7%	60.5	22.9	E
	Through	555	545	98.1%	34.6	6.0	C
	Right Turn	74	67	90.7%	11.1	4.9	B
	Subtotal	816	800	98.0%	38.5	8.9	D
Total		3,788	3,766	99.4%	40.1	5.4	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
AM Peak Hour

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	12	12	95.8%	38.1	28.2	D
	Through	41	38	93.2%	26.8	9.8	C
	Right Turn	55	58	104.5%	12.7	4.2	B
	Subtotal	108	107	99.3%	20.8	5.6	C
SB	Left Turn	67	71	105.2%	32.2	4.3	C
	Through	22	25	113.6%	28.4	11.9	C
	Right Turn	93	92	98.5%	17.3	6.2	B
	Subtotal	182	187	102.8%	24.8	4.8	C
EB	Left Turn	37	38	101.4%	42.6	17.5	D
	Through	489	495	101.2%	18.0	5.5	B
	Right Turn	9	11	125.6%	9.5	9.2	A
	Subtotal	535	544	101.6%	19.5	5.5	B
WB	Left Turn	26	26	98.8%	38.2	9.4	D
	Through	656	639	97.3%	18.9	5.9	B
	Right Turn	74	74	99.9%	14.8	7.9	B
	Subtotal	756	738	97.6%	19.2	5.8	B
Total		1,581	1,576	99.7%	20.1	3.5	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
AM Peak Hour

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	49	48	98.8%	40.1	20.5	E
	Through						
	Right Turn	7	5	77.1%	10.8	9.7	B
	Subtotal	56	54	96.1%	37.3	19.3	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	591	605	102.4%	3.5	0.5	A
	Right Turn	20	19	93.5%	2.4	1.0	A
	Subtotal	611	624	102.1%	3.5	0.5	A
WB	Left Turn	4	4	87.5%	3.7	4.6	A
	Through	707	692	97.8%	1.5	0.5	A
	Right Turn						
	Subtotal	711	695	97.7%	1.5	0.5	A
Total		1,378	1,373	99.6%	3.8	1.0	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
AM Peak Hour

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	17	18	107.6%	15.7	11.8	C
	Through						
	Right Turn	23	25	108.7%	8.2	4.5	A
	Subtotal	40	43	108.3%	11.5	4.9	B
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	629	635	100.9%	0.4	0.1	A
	Right Turn	9	8	93.3%	0.4	0.1	A
	Subtotal	638	643	100.8%	0.4	0.1	A
WB	Left Turn	11	10	91.8%	6.3	4.9	A
	Through	739	722	97.7%	0.3	0.1	A
	Right Turn						
	Subtotal	750	732	97.6%	0.4	0.2	A
Total		1,428	1,419	99.3%	0.8	0.3	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
AM Peak Hour

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Movement	we Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	169	165	97.9%	132.3	73.5	F
	Through	1,065	1,075	100.9%	24.3	16.8	C
	Right Turn	79	81	102.4%	13.7	6.3	B
	Subtotal	1,313	1,321	100.6%	37.8	22.8	D
SB	Left Turn	14	16	111.4%	64.2	18.7	E
	Through	1,122	1,116	99.5%	54.2	33.3	D
	Right Turn	157	158	100.4%	41.7	34.7	D
	Subtotal	1,293	1,289	99.7%	52.8	33.2	D
EB	Left Turn	140	137	97.8%	53.3	6.5	D
	Through	307	311	101.4%	36.2	4.6	D
	Right Turn	208	211	101.4%	6.1	1.5	A
	Subtotal	655	659	100.6%	30.0	3.5	C
WB	Left Turn	108	109	101.3%	90.1	28.6	F
	Through	428	415	97.0%	48.3	7.8	D
	Right Turn	36	36	99.2%	28.7	12.6	C
	Subtotal	572	560	98.0%	55.5	9.4	E
Total		3,833	3,829	99.9%	44.0	13.7	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
AM Peak Hour

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	526	511	97.1%	32.0	5.2	C
	Through						
	Right Turn	18	19	102.8%	27.8	19.5	C
	Subtotal	544	529	97.3%	31.8	5.3	C
EB	Left Turn	16	17	105.0%	59.1	21.8	E
	Through	392	400	102.1%	25.1	7.3	C
	Right Turn						
	Subtotal	408	417	102.3%	26.8	7.7	C
WB	Left Turn						
	Through	567	552	97.3%	15.1	2.4	B
	Right Turn	859	854	99.4%	8.0	1.6	A
	Subtotal	1,426	1,405	98.5%	10.9	1.7	B
Total		2,378	2,352	98.9%	18.4	2.3	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
AM Peak Hour

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	789	781	98.9%	34.1	8.7	C
	Through						
	Right Turn	160	162	101.2%	18.0	6.2	B
	Subtotal	949	943	99.3%	31.2	8.4	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	345	339	98.1%	46.2	9.5	D
	Right Turn	553	554	100.2%	9.7	2.2	A
	Subtotal	898	893	99.4%	23.6	3.3	C
WB	Left Turn	149	157	105.3%	109.0	32.0	F
	Through	547	549	100.3%	66.2	32.1	E
	Right Turn						
	Subtotal	696	706	101.4%	75.7	31.5	E
Total		2,543	2,541	99.9%	40.9	8.3	D

Intersection 1 Sylvan Rd/Auburn Bl-Old Auburn Rd Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	325	175	66	250	81	250	67	1%	0%
	Left Turn	325	175	63	275	82	275	72	8%	0%
	Through	2,300	150	80	275	189	300	194	1%	0%
	Right Turn	175	25	14	100	53	200	70	1%	0%
NB	U/Left Turns	275	75	14	150	24	175	30	0%	0%
	Left Turn	1,125	175	34	325	72	500	100	0%	0%
	Through	4,500	200	10	300	16	300	20	10%	3%
	Right Turn	175	75	13	200	25	200	0	0%	0%
SB	U/Left Turns	275	50	12	125	41	175	88	0%	0%
	Through	2,275	225	12	350	31	400	49	14%	0%
	Right Turn	125	125	10	200	7	150	0	7%	0%
WB	U/Left Turns	275	150	26	275	54	300	53	0%	3%
	Through	1,425	300	15	400	10	375	15	30%	20%
	Right Turn	200	75	13	225	25	225	0	0%	0%

Intersection 2
Mariposa Av/Old Auburn Rd
Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	200	25	5	100	20	200	40	0%	0%
	Through	2,950	175	26	375	51	500	93	11%	0%
	Right Turn	150	25	5	75	26	125	61	0%	0%
NB	Left Turn	125	25	3	25	8	50	15	0%	0%
	Through/Right	2,225	50	3	75	11	125	33	0%	0%
SB	Left Turn	200	50	4	100	9	125	15	0%	0%
	Through/Right	1,000	50	7	100	17	125	27	0%	0%
WB	Left Turn	200	25	5	75	23	175	67	0%	0%
	Through/Right	3,025	200	34	400	69	500	103	8%	0%

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through/Right	675	25	3	50	6	50	14	0%	0%
	Left Turn	950	50	6	75	15	100	28	33%	0%
NB	Right Turn	25	25	3	50	7	50	6	0%	0%
	Left/Through	2,350	25	5	75	32	150	86	0%	0%
WB										
0										

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	2,375	25	2	25	14	25	41	0%	0%
	Right Turn	25	25	2	50	4	50	2	0%	0%
NB	Shared	650	25	2	50	4	75	11	0%	0%
WB	U/Left Turns	125	25	3	25	9	50	11	0%	0%
	Through	500	25	1	25	12	25	33	0%	0%
0										

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	50	7	100	19	125	30	0%	0%
	Left Turn	400	75	8	125	19	150	57	1%	0%
	Through	2,950	200	10	325	21	375	36	1%	0%
	Right Turn	375	50	12	175	35	275	96	0%	0%
NB	U/Left Turns	375	225	54	375	68	375	28	10%	0%
	Through	1,200	225	117	425	272	525	274	11%	0%
	Right Turn	125	50	7	125	15	150	0	0%	0%
SB	U/Left Turns	200	25	9	100	37	175	70	0%	0%
	Through	1,275	325	125	550	270	625	272	39%	0%
	Right Turn	175	125	24	250	27	200	0	0%	0%
WB	Left Turn	375	175	43	300	57	375	3	0%	0%
	Through	950	325	27	475	56	550	83	53%	0%
	Right Turn	75	25	8	75	21	100	3	0%	0%

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	125	50	6	100	22	150	34	0%	0%
	Through	1,375	250	26	375	32	400	28	16%	0%
SB	Left Turn	1,375	150	14	250	20	300	36	0%	0%
	Shared	1,375	175	15	300	24	325	36	0%	0%
WB	Through	1,375	175	11	275	25	325	54	0%	0%
	Right Turn	325	75	14	200	42	300	58	0%	0%
0										

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	625	250	17	400	39	450	68	0%	0%
	Right Turn	600	100	12	200	23	275	58	0%	0%
NB	Left Turn	400	350	21	475	12	425	1	9%	0%
	Right Turn	2,600	200	54	625	122	800	155	0%	0%
WB	Left Turn	175	150	10	250	24	200	15	1%	0%
	Through	2,750	500	193	800	290	850	246	40%	2%
0										

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
PM Peak Hour

Intersection 1

Sylvan Rd/Auburn Bl-Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	347	345	99.5%	140.3	51.5	F
	Through	735	741	100.9%	43.5	12.0	D
	Right Turn	150	147	98.3%	20.1	11.5	C
	Subtotal	1,232	1,234	100.2%	69.7	23.2	E
SB	Left Turn	69	73	105.5%	71.4	20.9	E
	Through	743	742	99.8%	53.6	9.6	D
	Right Turn	271	259	95.7%	21.1	14.6	C
	Subtotal	1,083	1,074	99.2%	46.9	10.8	D
EB	Left Turn	375	371	99.0%	65.8	11.3	E
	Through	578	587	101.6%	39.2	2.8	D
	Right Turn	358	364	101.7%	13.3	4.6	B
	Subtotal	1,311	1,323	100.9%	39.5	3.5	D
WB	Left Turn	234	224	95.7%	122.5	37.3	F
	Through	504	496	98.5%	74.9	15.9	E
	Right Turn	81	77	94.6%	39.3	14.8	D
	Subtotal	819	797	97.3%	85.8	20.8	F
Total		4,445	4,427	99.6%	58.2	7.8	E

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
PM Peak Hour

Intersection 2

Mariposa Av/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	8	8	105.0%	23.2	17.3	C
	Through	26	27	102.7%	34.3	8.9	C
	Right Turn	42	45	107.6%	18.4	7.8	B
	Subtotal	76	80	105.7%	25.2	6.6	C
SB	Left Turn	77	77	99.7%	33.2	9.1	C
	Through	49	49	99.8%	30.8	7.3	C
	Right Turn	56	58	104.3%	16.6	6.2	B
	Subtotal	182	184	101.2%	27.2	5.6	C
EB	Left Turn	44	44	98.9%	45.8	10.2	D
	Through	669	676	101.1%	19.3	5.4	B
	Right Turn	22	23	104.5%	9.8	4.5	A
	Subtotal	735	743	101.1%	20.3	5.0	C
WB	Left Turn	59	57	96.9%	43.1	11.8	D
	Through	697	680	97.6%	19.4	6.4	B
	Right Turn	73	72	98.2%	16.3	10.2	B
	Subtotal	829	809	97.6%	20.7	6.7	C
Total		1,822	1,817	99.7%	21.4	4.3	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
PM Peak Hour

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	20	20	98.5%	47.6	39.1	E
	Through						
	Right Turn	7	9	124.3%	15.7	27.4	C
	Subtotal	27	28	105.2%	38.3	36.5	E
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	728	736	101.1%	6.0	1.2	A
	Right Turn	60	62	102.7%	3.7	1.3	A
	Subtotal	788	798	101.2%	5.8	1.1	A
WB	Left Turn	8	7	85.0%	12.8	12.9	B
	Through	809	789	97.5%	3.4	2.4	A
	Right Turn						
	Subtotal	817	796	97.4%	3.6	2.6	A
Total		1,632	1,622	99.4%	5.3	2.0	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
PM Peak Hour

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	4	3	67.5%	9.4	25.9	A
	Through						
	Right Turn	19	22	113.2%	19.2	17.4	C
	Subtotal	23	24	105.2%	19.4	18.0	C
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	728	736	101.0%	1.3	1.4	A
	Right Turn	9	10	112.2%	0.5	0.4	A
	Subtotal	737	746	101.2%	1.3	1.4	A
WB	Left Turn	35	33	95.1%	12.7	10.9	B
	Through	822	805	97.9%	0.3	0.1	A
	Right Turn						
	Subtotal	857	838	97.8%	0.8	0.6	A
Total		1,617	1,608	99.4%	1.4	1.3	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
PM Peak Hour

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	228	225	98.5%	155.6	51.6	F
	Through	1,248	1,249	100.1%	25.0	10.3	C
	Right Turn	135	142	105.2%	15.4	6.5	B
	Subtotal	1,611	1,616	100.3%	42.9	16.0	D
SB	Left Turn	45	48	106.2%	112.6	25.8	F
	Through	1,255	1,246	99.3%	88.1	25.2	F
	Right Turn	239	230	96.0%	75.2	27.1	E
	Subtotal	1,539	1,523	99.0%	86.9	25.3	F
EB	Left Turn	177	178	100.3%	75.5	15.8	E
	Through	317	319	100.5%	52.1	7.0	D
	Right Turn	255	264	103.6%	16.9	7.6	B
	Subtotal	749	760	101.5%	46.1	6.3	D
WB	Left Turn	102	99	97.2%	172.4	60.5	F
	Through	399	391	97.9%	139.9	49.5	F
	Right Turn	49	51	103.1%	128.7	60.9	F
	Subtotal	550	540	98.2%	145.4	49.2	F
Total		4,449	4,439	99.8%	71.0	14.4	E

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
PM Peak Hour

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
SB	Left Turn	799	797	99.8%	34.3	4.0	C
	Through						
	Right Turn	56	56	99.8%	34.8	7.3	C
	Subtotal	855	853	99.8%	34.4	4.1	C
EB	Left Turn	22	23	104.5%	46.3	4.9	D
	Through	549	556	101.3%	26.4	3.7	C
	Right Turn						
	Subtotal	571	579	101.4%	27.1	3.5	C
WB	Left Turn						
	Through	498	500	100.4%	22.9	3.8	C
	Right Turn	815	807	99.0%	10.9	1.3	B
	Subtotal	1,313	1,307	99.5%	15.5	2.1	B
Total		2,739	2,739	100.0%	23.9	2.1	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Old Auburn Road Complete Streets
Existing Conditions (with Sub-Alternative)
PM Peak Hour

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	Left Turn	724	720	99.5%	58.5	44.1	E
	Through						
	Right Turn	179	181	100.9%	35.4	37.2	D
	Subtotal	903	901	99.8%	53.7	43.1	D
SB	Left Turn						
	Through						
	Right Turn						
	Subtotal						
EB	Left Turn						
	Through	540	542	100.3%	51.2	11.3	D
	Right Turn	722	714	98.9%	11.6	1.5	B
	Subtotal	1,262	1,256	99.5%	28.8	5.2	C
WB	Left Turn	234	233	99.4%	102.3	30.5	F
	Through	529	531	100.4%	45.4	32.7	D
	Right Turn						
	Subtotal	763	764	100.1%	62.8	31.2	E
Total		2,928	2,920	99.7%	45.2	15.9	D

Intersection 1 Sylvan Rd/Auburn Bl-Old Auburn Rd Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	325	175	19	250	32	275	30	0%	0%
	Left Turn	325	200	22	275	37	300	33	0%	0%
	Through	2,300	225	16	350	32	425	68	13%	0%
	Right Turn	175	150	19	275	7	200	0	5%	0%
NB	U/Left Turns	275	200	33	300	48	275	25	0%	9%
	Left Turn	1,125	300	45	400	67	425	50	1%	0%
	Through	4,500	325	53	500	86	600	100	14%	0%
	Right Turn	175	100	13	225	19	200	0	0%	0%
SB	U/Left Turns	275	125	31	275	54	300	1	0%	0%
	Through	2,775	325	47	475	75	525	86	33%	0%
	Right Turn	125	125	9	200	7	150	0	5%	0%
WB	U/Left Turns	275	250	16	375	33	350	14	0%	17%
	Through	2,950	550	102	825	140	925	132	45%	0%
	Right Turn	200	75	21	250	32	225	0	0%	0%

Intersection 2
Mariposa Av/Old Auburn Rd
Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	200	50	13	125	40	200	48	0%	0%
	Through	2,950	250	20	525	45	625	71	13%	0%
	Right Turn	150	25	5	75	23	150	53	0%	0%
NB	Left Turn	125	25	2	25	5	50	11	0%	0%
	Through/Right	2,225	25	4	75	9	100	20	0%	0%
SB	Left Turn	200	50	5	100	9	125	15	0%	0%
	Through/Right	1,000	50	7	100	15	125	24	0%	0%
WB	Left Turn	200	50	11	150	37	200	31	0%	0%
	Through/Right	3,025	250	35	475	64	600	94	10%	0%

Intersection 3

Bonita Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through/Right	675	25	5	50	14	75	34	0%	0%
	Left Turn	950	25	6	50	20	75	40	26%	0%
NB	Right Turn	25	25	3	50	5	50	6	0%	0%
	Left/Through	2,350	50	19	150	57	275	99	0%	0%
WB										
0										

Intersection 4

Tiara Wy/Old Auburn Rd

Side-street Stop

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	2,375	25	7	50	32	75	50	1%	1%
	Right Turn	25	25	3	50	5	50	1	0%	0%
NB	Shared	650	25	3	50	4	50	12	0%	0%
WB	U/Left Turns	125	25	4	50	6	75	11	0%	0%
	Through	500	25	2	25	13	50	35	0%	0%
0										

Intersection 5

Sunrise Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	U/Left Turns	150	100	14	150	18	175	5	3%	0%
	Left Turn	400	100	15	175	28	200	37	5%	0%
	Through	4,175	425	37	625	69	750	73	4%	0%
	Right Turn	375	150	41	350	61	375	2	0%	0%
NB	U/Left Turns	375	300	62	400	63	375	14	27%	0%
	Through	1,200	325	175	700	343	825	352	10%	0%
	Right Turn	125	50	10	125	18	150	0	0%	0%
SB	U/Left Turns	200	75	16	200	33	225	1	1%	0%
	Through	1,275	575	173	875	296	950	302	53%	0%
	Right Turn	175	150	11	275	5	200	0	1%	0%
WB	Left Turn	375	275	23	475	20	375	0	0%	0%
	Through	1,275	800	168	1,125	214	1,150	150	74%	1%
	Right Turn	75	25	9	100	17	100	0	0%	0%

Intersection 6

Antelope Rd/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Left Turn	125	50	4	100	15	150	0	0%	0%
	Through	2,325	300	15	375	19	400	16	21%	0%
SB	Left Turn	1,375	225	13	350	29	400	63	0%	0%
	Shared	1,375	250	18	375	31	425	64	0%	0%
WB	Through	1,975	225	21	350	72	475	148	1%	0%
	Right Turn	325	100	23	225	41	325	43	0%	0%
0										

Intersection 7

Fair Oaks Bl/Old Auburn Rd

Signal

Direction	Lane Group	Storage (ft)	Average Queue (ft)		95th Queue (ft)		Maximum Queue (ft)		Block Time	
			Average	Std. Dev.	Average	Std. Dev.	Average	Std. Dev.	Pocket	Upstream
EB	Through	2,075	425	35	650	42	700	35	0%	0%
	Right Turn	600	125	12	250	33	300	97	0%	0%
NB	Left Turn	400	375	25	475	17	425	0	19%	0%
	Right Turn	2,600	425	286	925	415	975	365	0%	1%
WB	Left Turn	175	175	11	225	9	200	2	12%	0%
	Through	2,750	425	152	725	315	825	304	24%	1%
0										