

APPENDIX W

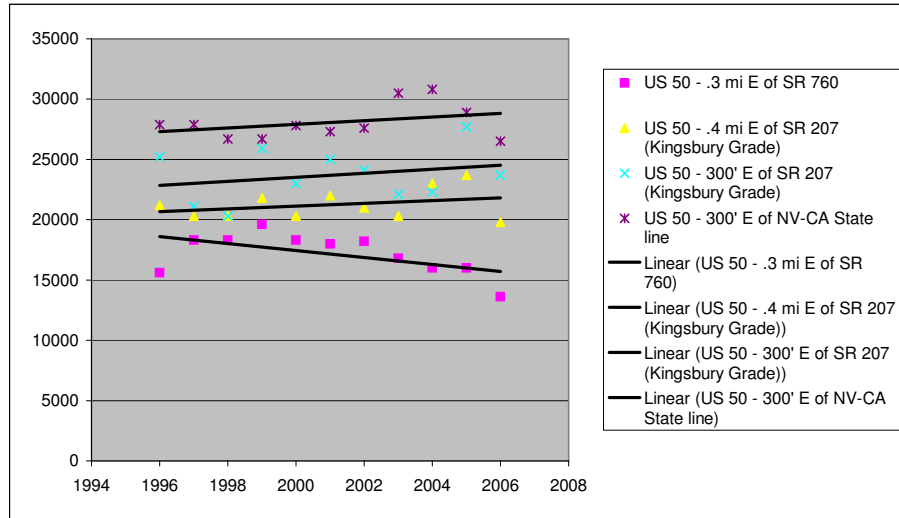
Level of Service Data, Traffic Counts, and Volumes

	LSC Count		F&P Count	Max	Final
	Summer	School			Adjusted Volume
U.S. 50/Elk Point Road					
EBL	35	35	27	35	35
EBT	37	37	26	37	37
EBR	91	91	81	91	91
WBL	233	233	226	233	233
WBT	32	32	28	32	32
WBR	39	39	15	39	39
NBL	75	75	53	75	75
NBT	827	792	669	827	719
NBR	159	159	189	189	159
SBL	32	32	13	32	32
SBT	1402	1037	785	1402	1079
SBR	26	26	25	26	26
U.S. 50/Lake Village Drive					
WBL	43	50	67	67	67
WBR	29	26	39	39	39
NBT	914	877	836	914	914
NBR	36	49	51	51	51
SBL	28	22	35	35	35
SBT	1351	998	1016	1351	1351
U.S. 50/Kahle Drive					
EBL	30	30	33	33	33
EBT	7	7	1	7	7
EBR	71	71	28	71	71
WBL	39	39	34	39	39
WBT	9	9	5	9	9
WBR	13	13	64	64	64
NBL	64	64	59	64	64
NBT	1035	1009	843	1035	868
NBR	7	7	9	9	9
SBL	11	11	23	23	23
SBT	1362	1024	1045	1362	1333
SBR	62	62	39	62	62
Lake Village Dwy					
EBT	75	83		83	83
WBT	48	51		51	51
Echo Drive Dwy					
EBT	42	47		47	47
WBT	20	21		21	21

note: Highlighting indicates that the highest volume was not used due to volumes not balancing.

Segment	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	difference	per year	percent	through 05	
US 50 - .3 mi E of SR 760	15600	18300	18300	19600	18300	18000	18200	16800	16000	16000	13600	-2000	-12.82%	-200.0	-1.28%	0.28%
US 50 - .4 mi E of SR 207 (Kingsbury Grade)	21200	20300	20300	21800	20300	22000	21000	20300	23000	23700	19800	-1400	-6.60%	-140.0	-0.66%	1.31%
US 50 - 300' E of SR 207 (Kingsbury Grade)	25200	21100	20300	25900	23000	25000	24100	22100	22300	27700	23700	-1500	-5.95%	-150.0	-0.60%	1.10%
US 50 - 300' E of NV-CA State line	27900	27900	26700	26700	27800	27300	27600	30500	30800	28900	26500	-1400	-5.02%	-140.0	-0.50%	0.40%

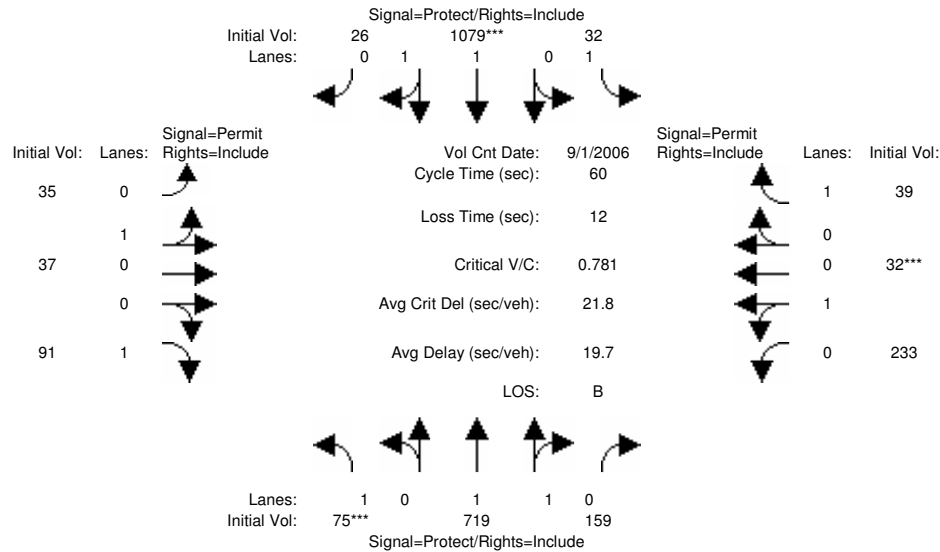
US 50 - West of Park Ave 44000 41000 41000 41000 41000 41000 41000 41000 41000 37500 36000 -8000 -18.18% -888.9 -2.02%



Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #1: US 50/ELK POINT



Street Name: US 50 ELK POINT RD.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	75	719	159	32	1079	26	35	37	91	233	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	719	159	32	1079	26	35	37	91	233	32	39
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	719	159	32	1079	26	35	37	91	233	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.90	0.85	0.95	0.95	0.85	0.90	0.90	0.90	0.85	0.85	0.90
PHF Volume:	88	799	187	34	1136	31	39	41	101	274	38	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	799	187	34	1136	31	39	41	101	274	38	43
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	88	799	187	34	1136	31	39	41	101	274	38	43

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.93	0.93	0.77	0.77	0.83	0.67	0.67	0.83
Lanes:	1.00	1.62	0.38	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2786	652	1769	3431	92	711	751	1583	1123	154	1583

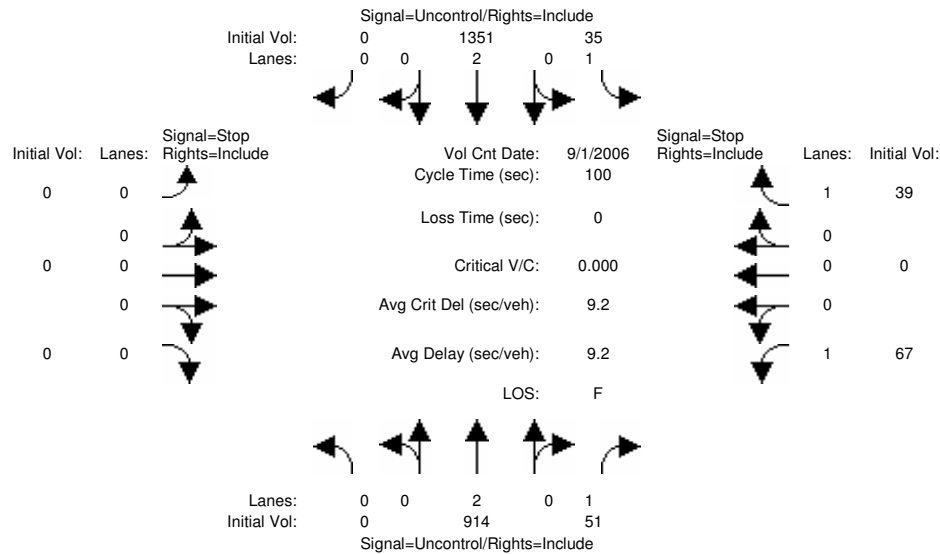
Capacity Analysis Module:

Vol/Sat:	0.05	0.29	0.29	0.02	0.33	0.33	0.05	0.05	0.06	0.24	0.24	0.03
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.40	0.40	0.09	0.42	0.42	0.31	0.31	0.31	0.31	0.31	0.31
Volume/Cap:	0.75	0.72	0.72	0.21	0.78	0.78	0.18	0.18	0.21	0.78	0.78	0.09
Delay/Veh:	50.4	17.3	17.3	25.8	17.8	17.8	15.2	15.2	15.4	28.7	28.7	14.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.4	17.3	17.3	25.8	17.8	17.8	15.2	15.2	15.4	28.7	28.7	14.7
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	10	10	1	12	12	1	1	1	8	8	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing PM

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module:	>>	Count	Date:	1 Sep 2006	<<	PM	Peak	Hour				
Base Vol:	0	914	51	35	1351	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	914	51	35	1351	0	0	0	0	67	0	39
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	914	51	35	1351	0	0	0	0	67	0	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	0.75	0.75	0.75
PHF Volume:	0	962	54	37	1422	0	0	0	0	89	0	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	962	54	37	1422	0	0	0	0	89	0	52
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.8	xxxx	6.9
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxxx	1016	xxxx	xxxxx	xxxx	xxxx	xxxxx	1747	xxxx	481
Potent Cap.:	xxxx	xxxx	xxxxx	691	xxxx	xxxxx	xxxx	xxxx	xxxxx	79	xxxx	537
Move Cap.:	xxxx	xxxx	xxxxx	691	xxxx	xxxxx	xxxx	xxxx	xxxxx	76	xxxx	537
Volume/Cap:	xxxx	xxxx	xxxx	0.05	xxxx	xxxx	xxxx	xxxx	xxxx	1.18	xxxx	0.10

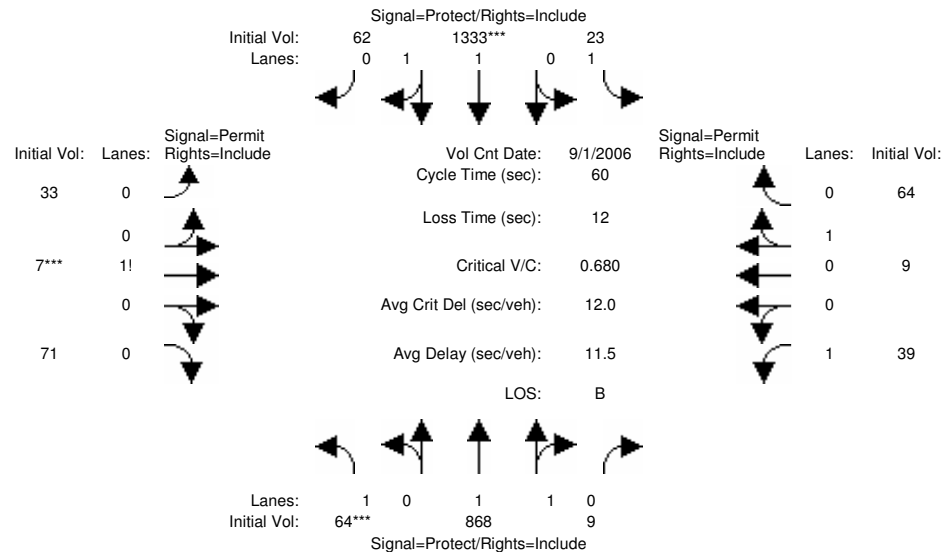
Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxx	0.2	xxxx	xxxxx	xxxx	xxxx	xxxxx	6.7	xxxx	0.3
Control Del:	xxxxx	xxxx	xxxxx	10.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx	257.2	xxxx	12.4
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			167.2		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	64	868	9	23	1333	62	33	7	71	39	9	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	868	9	23	1333	62	33	7	71	39	9	64
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	64	868	9	23	1333	62	33	7	71	39	9	64
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.95	0.95	0.95	0.85	0.85	0.95	0.95	0.95	0.95
PHF Volume:	75	1021	11	24	1403	65	39	8	75	41	9	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1021	11	24	1403	65	39	8	75	41	9	67
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	75	1021	11	24	1403	65	39	8	75	41	9	67

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.81	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.91	0.09	0.32	0.07	0.61	1.00	0.12	0.88
Final Sat.:	1769	3498	36	1769	3357	156	467	99	899	1538	199	1417

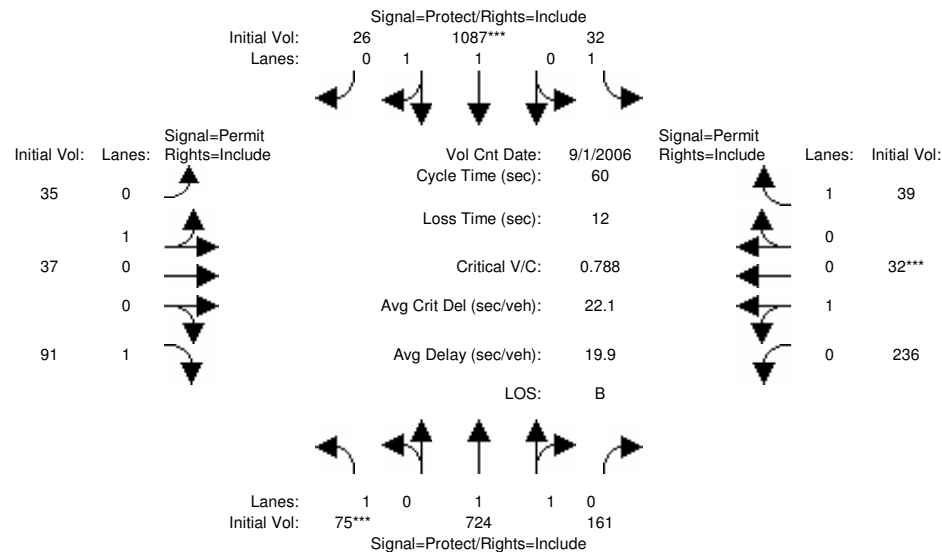
Capacity Analysis Module:

Vol/Sat:	0.04	0.29	0.29	0.01	0.42	0.42	0.08	0.08	0.08	0.03	0.05	0.05
Crit Moves:	****			****			****					
Green/Cycle:	0.07	0.55	0.55	0.13	0.61	0.61	0.12	0.12	0.12	0.12	0.12	0.12
Volume/Cap:	0.64	0.53	0.53	0.11	0.68	0.68	0.68	0.68	0.68	0.22	0.39	0.39
Delay/Veh:	38.4	8.8	8.8	23.4	8.7	8.7	35.7	35.7	35.7	24.4	25.6	25.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	8.8	8.8	23.4	8.7	8.7	35.7	35.7	35.7	24.4	25.6	25.6
LOS by Move:	D	A	A	C	A	A	D	D	D	C	C	C
HCM2kAvgQ:	3	7	7	0	11	11	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project

Intersection #1: US 50/ELK POINT



Street Name: US 50 ELK POINT RD.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	75	719	159	32	1079	26	35	37	91	233	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	719	159	32	1079	26	35	37	91	233	32	39
Added Vol:	0	5	2	0	8	0	0	0	0	3	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	724	161	32	1087	26	35	37	91	236	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.90	0.85	0.95	0.95	0.85	0.90	0.90	0.90	0.85	0.85	0.90
PHF Volume:	88	804	189	34	1144	31	39	41	101	278	38	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	804	189	34	1144	31	39	41	101	278	38	43
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	88	804	189	34	1144	31	39	41	101	278	38	43

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.93	0.93	0.77	0.77	0.83	0.67	0.67	0.83
Lanes:	1.00	1.62	0.38	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2781	655	1769	3432	92	710	750	1583	1125	153	1583

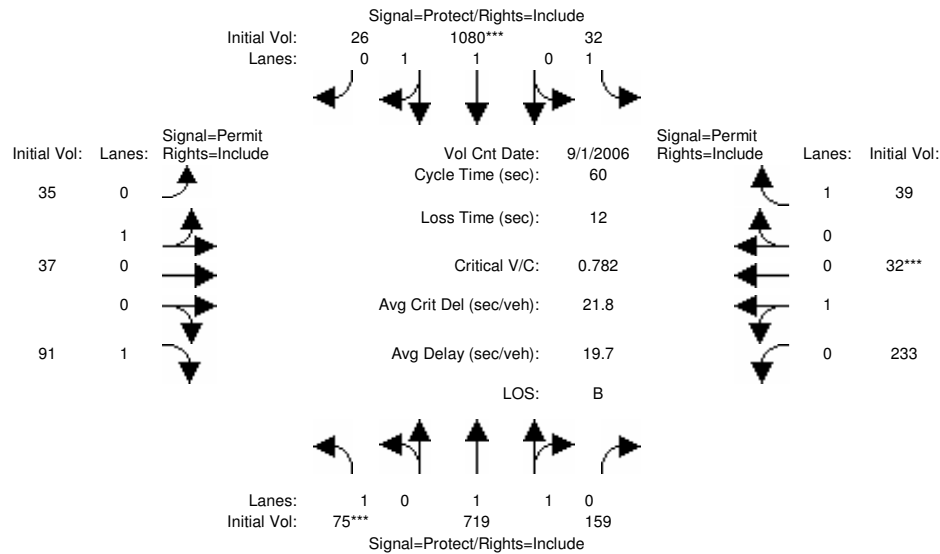
Capacity Analysis Module:

Vol/Sat:	0.05	0.29	0.29	0.02	0.33	0.33	0.05	0.05	0.06	0.25	0.25	0.03
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.40	0.40	0.09	0.42	0.42	0.31	0.31	0.31	0.31	0.31	0.31
Volume/Cap:	0.75	0.73	0.73	0.21	0.79	0.79	0.18	0.18	0.20	0.79	0.79	0.09
Delay/Veh:	50.4	17.4	17.4	25.9	18.0	18.0	15.2	15.2	15.4	29.2	29.2	14.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.4	17.4	17.4	25.9	18.0	18.0	15.2	15.2	15.4	29.2	29.2	14.7
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	10	10	1	12	12	1	1	1	8	8	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Alt 2

Intersection #1: US 50/ELK POINT



Street Name: US 50 ELK POINT RD.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	75	719	159	32	1079	26	35	37	91	233	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	719	159	32	1079	26	35	37	91	233	32	39
Added Vol:	0	0	0	0	1	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	719	159	32	1080	26	35	37	91	233	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.90	0.85	0.95	0.95	0.85	0.90	0.90	0.90	0.85	0.85	0.90
PHF Volume:	88	799	187	34	1137	31	39	41	101	274	38	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	799	187	34	1137	31	39	41	101	274	38	43
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	88	799	187	34	1137	31	39	41	101	274	38	43

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.93	0.93	0.77	0.77	0.83	0.67	0.67	0.83
Lanes:	1.00	1.62	0.38	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2786	652	1769	3431	92	711	751	1583	1123	154	1583

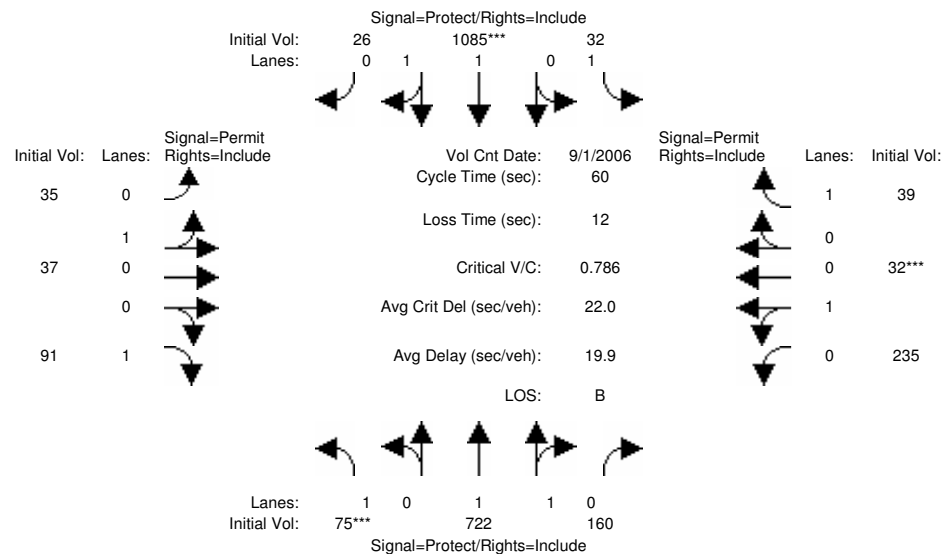
Capacity Analysis Module:

Vol/Sat:	0.05	0.29	0.29	0.02	0.33	0.33	0.05	0.05	0.06	0.24	0.24	0.03
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.40	0.40	0.09	0.42	0.42	0.31	0.31	0.31	0.31	0.31	0.31
Volume/Cap:	0.75	0.72	0.72	0.21	0.78	0.78	0.18	0.18	0.21	0.78	0.78	0.09
Delay/Veh:	50.4	17.2	17.2	25.8	17.8	17.8	15.2	15.2	15.4	28.7	28.7	14.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.4	17.2	17.2	25.8	17.8	17.8	15.2	15.2	15.4	28.7	28.7	14.7
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	10	10	1	12	12	1	1	1	8	8	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Alt 3

Intersection #1: US 50/ELK POINT



Street Name: US 50 ELK POINT RD.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	75	719	159	32	1079	26	35	37	91	233	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	719	159	32	1079	26	35	37	91	233	32	39
Added Vol:	0	3	1	0	6	0	0	0	0	2	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	722	160	32	1085	26	35	37	91	235	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.90	0.85	0.95	0.95	0.85	0.90	0.90	0.90	0.85	0.85	0.90
PHF Volume:	88	802	188	34	1142	31	39	41	101	276	38	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	802	188	34	1142	31	39	41	101	276	38	43
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	88	802	188	34	1142	31	39	41	101	276	38	43

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.93	0.93	0.77	0.77	0.83	0.67	0.67	0.83
Lanes:	1.00	1.62	0.38	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2785	654	1769	3432	92	710	750	1583	1124	153	1583

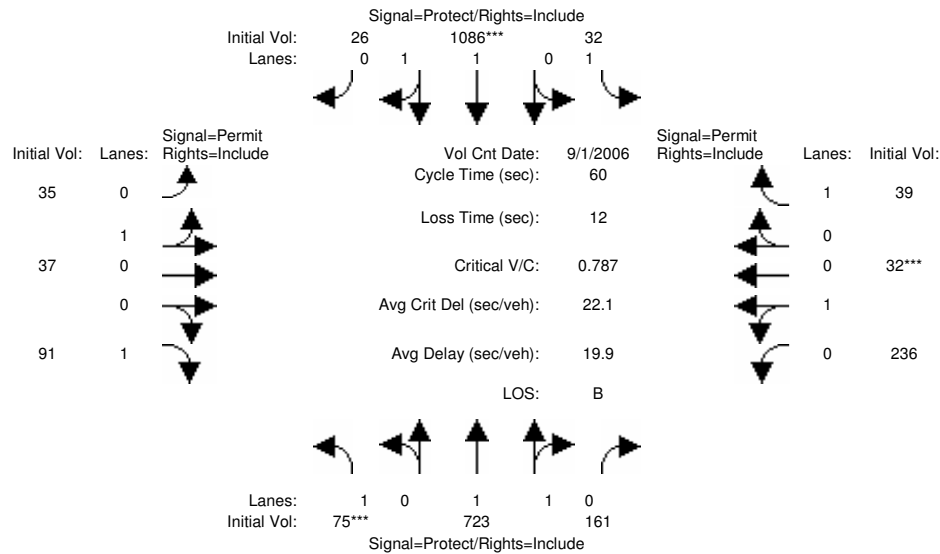
Capacity Analysis Module:

Vol/Sat:	0.05	0.29	0.29	0.02	0.33	0.33	0.05	0.05	0.06	0.25	0.25	0.03
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.40	0.40	0.09	0.42	0.42	0.31	0.31	0.31	0.31	0.31	0.31
Volume/Cap:	0.75	0.73	0.73	0.21	0.79	0.79	0.18	0.18	0.21	0.79	0.79	0.09
Delay/Veh:	50.4	17.3	17.3	25.9	18.0	18.0	15.2	15.2	15.4	29.0	29.0	14.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.4	17.3	17.3	25.9	18.0	18.0	15.2	15.2	15.4	29.0	29.0	14.7
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	10	10	1	12	12	1	1	1	8	8	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Alt 4

Intersection #1: US 50/ELK POINT



Street Name: US 50 ELK POINT RD.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	75	719	159	32	1079	26	35	37	91	233	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	719	159	32	1079	26	35	37	91	233	32	39
Added Vol:	0	4	2	0	7	0	0	0	0	3	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	723	161	32	1086	26	35	37	91	236	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.90	0.85	0.95	0.95	0.85	0.90	0.90	0.90	0.85	0.85	0.90
PHF Volume:	88	803	189	34	1143	31	39	41	101	278	38	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	803	189	34	1143	31	39	41	101	278	38	43
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	88	803	189	34	1143	31	39	41	101	278	38	43

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.93	0.93	0.77	0.77	0.83	0.67	0.67	0.83
Lanes:	1.00	1.62	0.38	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2780	655	1769	3432	92	710	750	1583	1125	153	1583

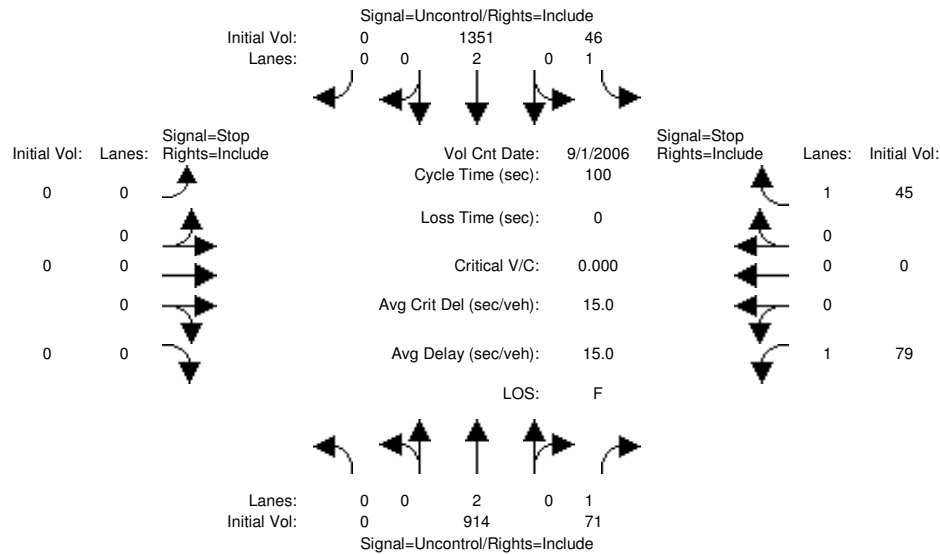
Capacity Analysis Module:

Vol/Sat:	0.05	0.29	0.29	0.02	0.33	0.33	0.05	0.05	0.06	0.25	0.25	0.03
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.40	0.40	0.09	0.42	0.42	0.31	0.31	0.31	0.31	0.31	0.31
Volume/Cap:	0.75	0.73	0.73	0.21	0.79	0.79	0.18	0.18	0.20	0.79	0.79	0.09
Delay/Veh:	50.4	17.4	17.4	25.9	18.0	18.0	15.2	15.2	15.4	29.1	29.1	14.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.4	17.4	17.4	25.9	18.0	18.0	15.2	15.2	15.4	29.1	29.1	14.7
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	10	10	1	12	12	1	1	1	8	8	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Project

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module:	>>	Count	Date:	1 Sep 2006	<<	PM	Peak	Hour				
Base Vol:	0	914	51	35	1351	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	914	51	35	1351	0	0	0	0	67	0	39
Added Vol:	0	0	20	11	0	0	0	0	0	12	0	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	914	71	46	1351	0	0	0	0	79	0	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	0.75	0.75	0.75
PHF Volume:	0	962	75	48	1422	0	0	0	0	105	0	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	962	75	48	1422	0	0	0	0	105	0	60
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	6.8	xxxxx	6.9
FollowUpTim:	xxxxxx	xxxx	xxxxxx	2.2	xxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	3.5	xxxxx	3.3

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxxx	1037	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	1770	xxxx	481
Potent Cap.:	xxxx	xxxx	xxxxxx	678	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	76	xxxx	537
Move Cap.:	xxxx	xxxx	xxxxxx	678	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	72	xxxx	537
Volume/Cap:	xxxx	xxxx	xxxx	0.07	xxxx	xxxx	xxxx	xxxx	xxxx	1.46	xxxx	0.11

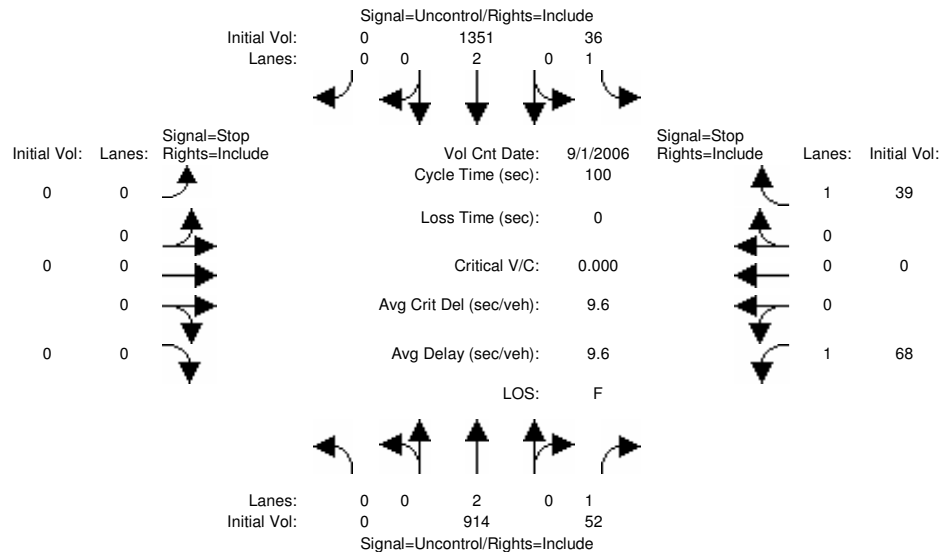
Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxxx	0.2	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	8.7	xxxx	0.4
Control Del:	xxxxxx	xxxx	xxxxxx	10.7	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	368.6	xxxx	12.6
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx		xxxxxxx		xxxxxxx		xxxxxxx		xxxxxxx	239.4		
ApproachLOS:	*		*		*		*		*	F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Alt 2

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module:	>>	Count	Date:	1 Sep 2006	<<	PM	Peak	Hour				
Base Vol:	0	914	51	35	1351	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	914	51	35	1351	0	0	0	0	67	0	39
Added Vol:	0	0	1	1	0	0	0	0	0	1	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	914	52	36	1351	0	0	0	0	68	0	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	0.75	0.75	0.75
PHF Volume:	0	962	55	38	1422	0	0	0	0	91	0	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	962	55	38	1422	0	0	0	0	91	0	52
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.8	xxxx	6.9
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3

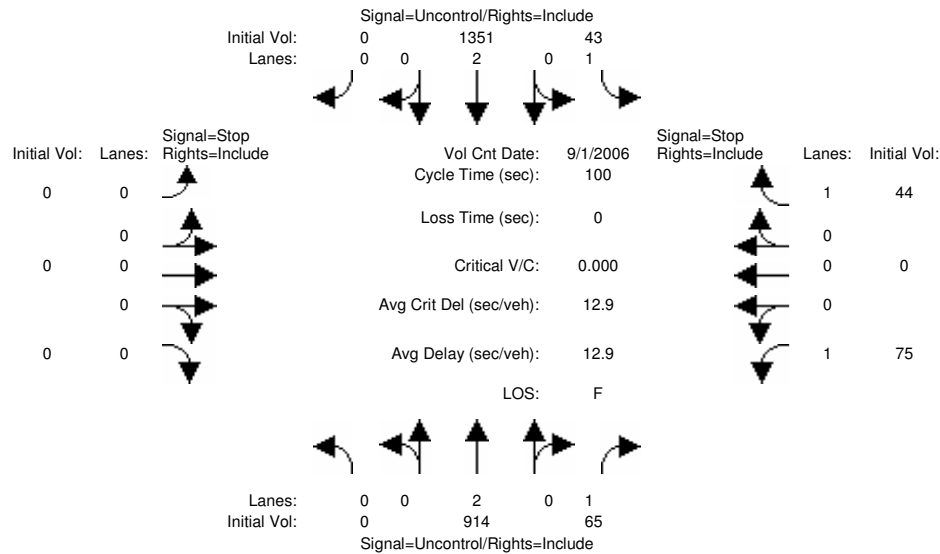
Capacity Module:												
Cnflct Vol:	xxxx	xxxx	xxxxx	1017	xxxx	xxxxx	xxxx	xxxx	xxxxx	1749	xxxx	481
Potent Cap.:	xxxx	xxxx	xxxxx	690	xxxx	xxxxx	xxxx	xxxx	xxxxx	79	xxxx	537
Move Cap.:	xxxx	xxxx	xxxxx	690	xxxx	xxxxx	xxxx	xxxx	xxxxx	75	xxxx	537
Volume/Cap:	xxxx	xxxx	xxxx	0.05	xxxx	xxxx	xxxx	xxxx	xxxx	1.20	xxxx	0.10

Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxxx	0.2	xxxx	xxxxx	xxxx	xxxx	xxxxx	6.9	xxxx	0.3
Control Del:	xxxxx	xxxx	xxxxx	10.5	xxxx	xxxxx	xxxxx	xxxx	xxxxx	265.8	xxxx	12.4
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			173.5		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Alt 3

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module:	>>	Count	Date:	1 Sep 2006	<<	PM	Peak	Hour				
Base Vol:	0	914	51	35	1351	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	914	51	35	1351	0	0	0	0	67	0	39
Added Vol:	0	0	14	8	0	0	0	0	0	8	0	5
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	914	65	43	1351	0	0	0	0	75	0	44
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	0.75	0.75	0.75
PHF Volume:	0	962	68	45	1422	0	0	0	0	100	0	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	962	68	45	1422	0	0	0	0	100	0	59
Critical Gap Module:												
Critical Gp:	xxxx	xxxx	xxxx	4.1	xxxx	xxxx	xxxx	xxxx	xxxx	6.8	xxxx	6.9
FollowUpTim:	xxxx	xxxx	xxxx	2.2	xxxx	xxxx	xxxx	xxxx	xxxx	3.5	xxxx	3.3

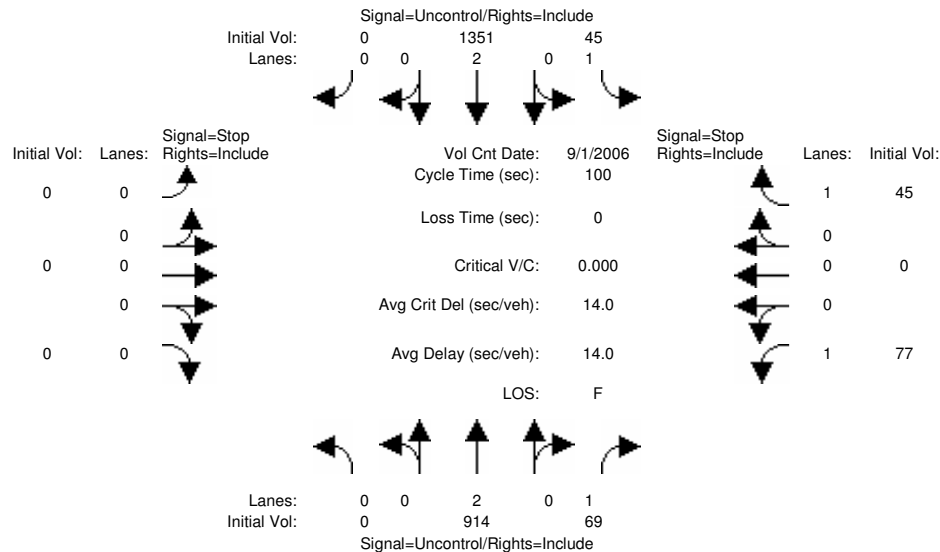
Capacity Module:												
Cnflct Vol:	xxxx	xxxx	xxxx	1031	xxxx	xxxx	xxxx	xxxx	xxxx	1764	xxxx	481
Potent Cap.:	xxxx	xxxx	xxxx	682	xxxx	xxxx	xxxx	xxxx	xxxx	77	xxxx	537
Move Cap.:	xxxx	xxxx	xxxx	682	xxxx	xxxx	xxxx	xxxx	xxxx	73	xxxx	537
Volume/Cap:	xxxx	xxxx	xxxx	0.07	xxxx	xxxx	xxxx	xxxx	xxxx	1.37	xxxx	0.11

Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxx	0.2	xxxx	xxxx	xxxx	xxxx	xxxx	8.0	xxxx	0.4
Control Del:	xxxx	xxxx	xxxx	10.7	xxxx	xxxx	xxxx	xxxx	xxxx	330.9	xxxx	12.5
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
SharedQueue:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd ConDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			213.2		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Alt 4

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module:	>>	Count	Date:	1 Sep 2006	<<	PM	Peak	Hour				
Base Vol:	0	914	51	35	1351	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	914	51	35	1351	0	0	0	0	67	0	39
Added Vol:	0	0	18	10	0	0	0	0	0	10	0	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	914	69	45	1351	0	0	0	0	77	0	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	0.75	0.75	0.75
PHF Volume:	0	962	73	47	1422	0	0	0	0	103	0	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	962	73	47	1422	0	0	0	0	103	0	60
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.8	xxxx	6.9
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3

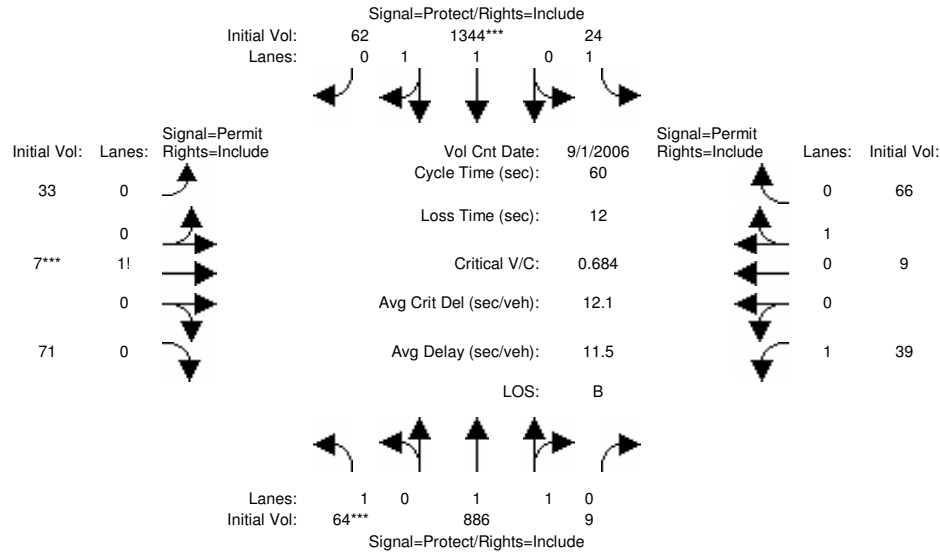
Capacity Module:												
Cnflct Vol:	xxxx	xxxx	xxxxx	1035	xxxx	xxxxx	xxxx	xxxx	xxxxx	1768	xxxx	481
Potent Cap.:	xxxx	xxxx	xxxxx	679	xxxx	xxxxx	xxxx	xxxx	xxxxx	76	xxxx	537
Move Cap.:	xxxx	xxxx	xxxxx	679	xxxx	xxxxx	xxxx	xxxx	xxxxx	72	xxxx	537
Volume/Cap:	xxxx	xxxx	xxxx	0.07	xxxx	xxxx	xxxx	xxxx	xxxx	1.42	xxxx	0.11

Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxxx	0.2	xxxx	xxxxx	xxxx	xxxx	xxxxx	8.4	xxxx	0.4
Control Del:	xxxxx	xxxx	xxxxx	10.7	xxxx	xxxxx	xxxxx	xxxx	xxxxx	351.0	xxxx	12.6
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT	LT - LTR - RT	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			226.2		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Project

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	64	868	9	23	1333	62	33	7	71	39	9	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	868	9	23	1333	62	33	7	71	39	9	64
Added Vol:	0	18	0	1	11	0	0	0	0	0	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	64	886	9	24	1344	62	33	7	71	39	9	66
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.95	0.95	0.95	0.85	0.85	0.95	0.95	0.95	0.95
PHF Volume:	75	1042	11	25	1415	65	39	8	75	41	9	69
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1042	11	25	1415	65	39	8	75	41	9	69
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	75	1042	11	25	1415	65	39	8	75	41	9	69

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.81	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.91	0.09	0.32	0.07	0.61	1.00	0.12	0.88
Final Sat.:	1769	3499	36	1769	3358	155	467	99	899	1540	194	1422

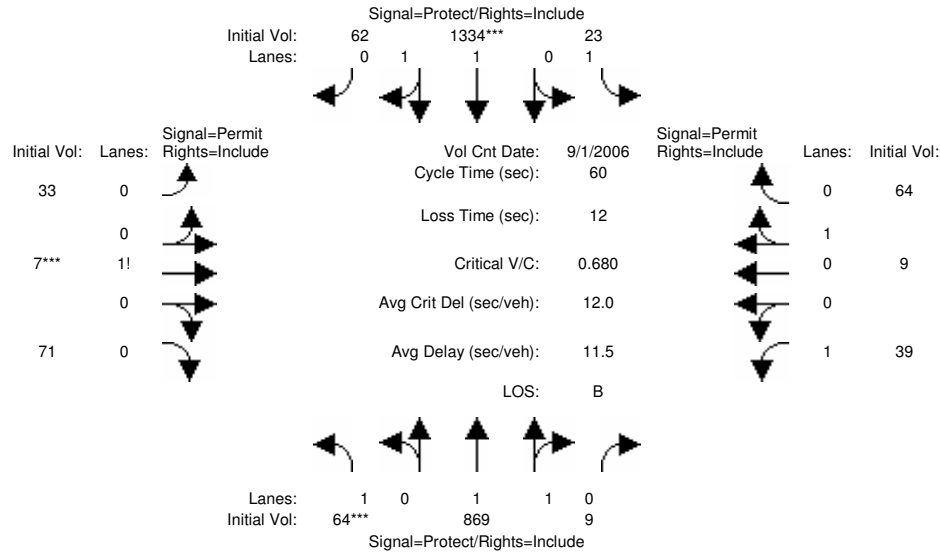
Capacity Analysis Module:

Vol/Sat:	0.04	0.30	0.30	0.01	0.42	0.42	0.08	0.08	0.08	0.03	0.05	0.05
Crit Moves:	****			****			****					
Green/Cycle:	0.07	0.55	0.55	0.12	0.61	0.61	0.12	0.12	0.12	0.12	0.12	0.12
Volume/Cap:	0.64	0.54	0.54	0.12	0.69	0.69	0.69	0.69	0.69	0.22	0.40	0.40
Delay/Veh:	38.4	8.8	8.8	23.6	8.7	8.7	36.1	36.1	36.1	24.4	25.7	25.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	8.8	8.8	23.6	8.7	8.7	36.1	36.1	36.1	24.4	25.7	25.7
LOS by Move:	D	A	A	C	A	A	D	D	D	C	C	C
HCM2kAvgQ:	3	7	7	1	11	11	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Alt 2

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	64	868	9	23	1333	62	33	7	71	39	9	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	868	9	23	1333	62	33	7	71	39	9	64
Added Vol:	0	1	0	0	1	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	64	869	9	23	1334	62	33	7	71	39	9	64
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.95	0.95	0.95	0.85	0.85	0.95	0.95	0.95	0.95
PHF Volume:	75	1022	11	24	1404	65	39	8	75	41	9	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1022	11	24	1404	65	39	8	75	41	9	67
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	75	1022	11	24	1404	65	39	8	75	41	9	67

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.81	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.91	0.09	0.32	0.07	0.61	1.00	0.12	0.88
Final Sat.:	1769	3498	36	1769	3357	156	467	99	899	1538	199	1417

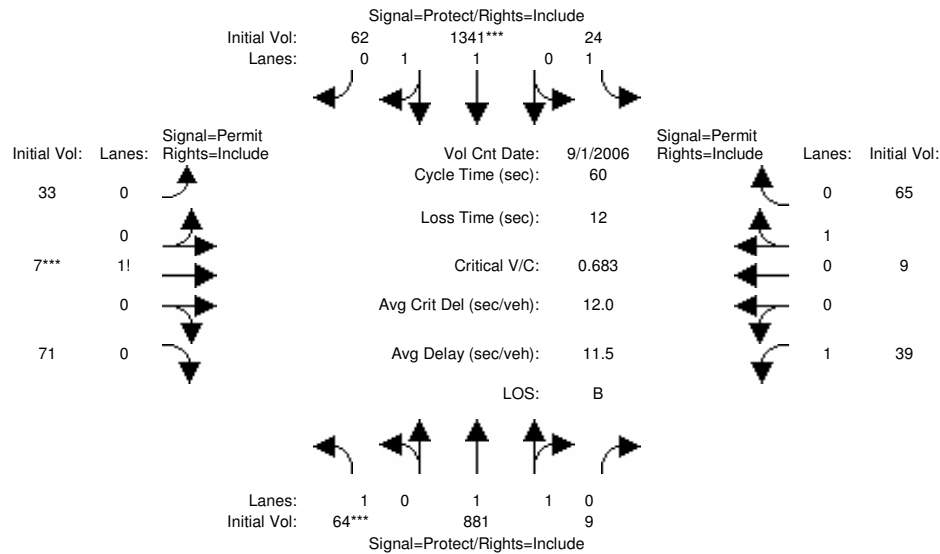
Capacity Analysis Module:

Vol/Sat:	0.04	0.29	0.29	0.01	0.42	0.42	0.08	0.08	0.08	0.03	0.05	0.05
Crit Moves:	****			****			****					
Green/Cycle:	0.07	0.55	0.55	0.13	0.61	0.61	0.12	0.12	0.12	0.12	0.12	0.12
Volume/Cap:	0.64	0.53	0.53	0.11	0.68	0.68	0.68	0.68	0.68	0.22	0.39	0.39
Delay/Veh:	38.4	8.8	8.8	23.5	8.7	8.7	35.7	35.7	35.7	24.4	25.6	25.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	8.8	8.8	23.5	8.7	8.7	35.7	35.7	35.7	24.4	25.6	25.6
LOS by Move:	D	A	A	C	A	A	D	D	D	C	C	C
HCM2kAvgQ:	3	7	7	0	11	11	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Alt 3

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	64	868	9	23	1333	62	33	7	71	39	9	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	868	9	23	1333	62	33	7	71	39	9	64
Added Vol:	0	13	0	1	8	0	0	0	0	0	0	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	64	881	9	24	1341	62	33	7	71	39	9	65
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.95	0.95	0.95	0.85	0.85	0.95	0.95	0.95	0.95
PHF Volume:	75	1036	11	25	1412	65	39	8	75	41	9	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1036	11	25	1412	65	39	8	75	41	9	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	75	1036	11	25	1412	65	39	8	75	41	9	68

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.81	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.91	0.09	0.32	0.07	0.61	1.00	0.12	0.88
Final Sat.:	1769	3499	36	1769	3358	155	467	99	899	1540	197	1420

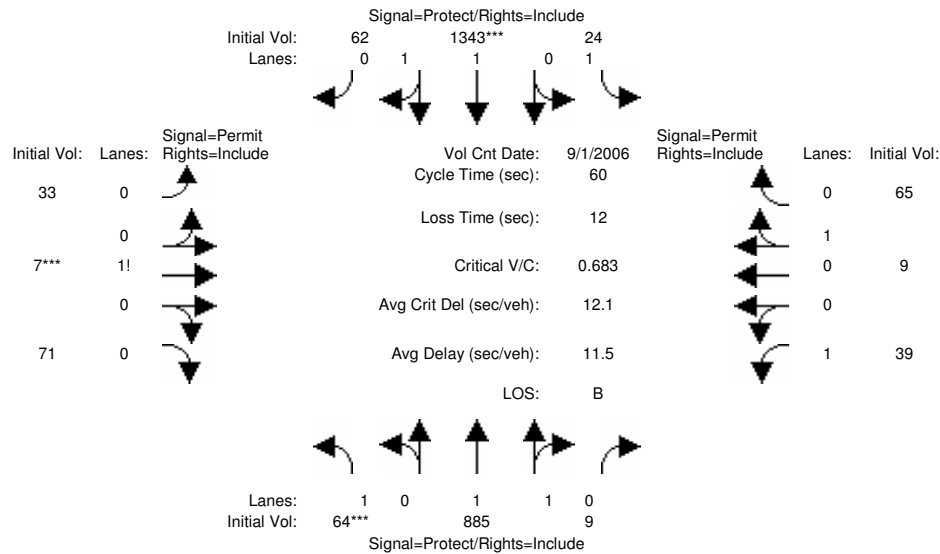
Capacity Analysis Module:

Vol/Sat:	0.04	0.30	0.30	0.01	0.42	0.42	0.08	0.08	0.08	0.03	0.05	0.05
Crit Moves:	****			****			****					
Green/Cycle:	0.07	0.55	0.55	0.12	0.61	0.61	0.12	0.12	0.12	0.12	0.12	0.12
Volume/Cap:	0.64	0.53	0.53	0.11	0.69	0.69	0.69	0.69	0.69	0.22	0.40	0.40
Delay/Veh:	38.4	8.8	8.8	23.5	8.7	8.7	36.0	36.0	36.0	24.4	25.7	25.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	8.8	8.8	23.5	8.7	8.7	36.0	36.0	36.0	24.4	25.7	25.7
LOS by Move:	D	A	A	C	A	A	D	D	D	C	C	C
HCM2kAvgQ:	3	7	7	1	11	11	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing Plus Alt 4

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 4 4 0 4 4 0 4 4 0 4 4 0

Volume Module: >> Count Date: 1 Sep 2006 << PM Peak Hour

Base Vol:	64	868	9	23	1333	62	33	7	71	39	9	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	868	9	23	1333	62	33	7	71	39	9	64
Added Vol:	0	17	0	1	10	0	0	0	0	0	0	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	64	885	9	24	1343	62	33	7	71	39	9	65
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.95	0.95	0.95	0.85	0.85	0.95	0.95	0.95	0.95
PHF Volume:	75	1041	11	25	1414	65	39	8	75	41	9	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1041	11	25	1414	65	39	8	75	41	9	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	75	1041	11	25	1414	65	39	8	75	41	9	68

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.81	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.91	0.09	0.32	0.07	0.61	1.00	0.12	0.88
Final Sat.:	1769	3499	36	1769	3358	155	467	99	899	1540	197	1420

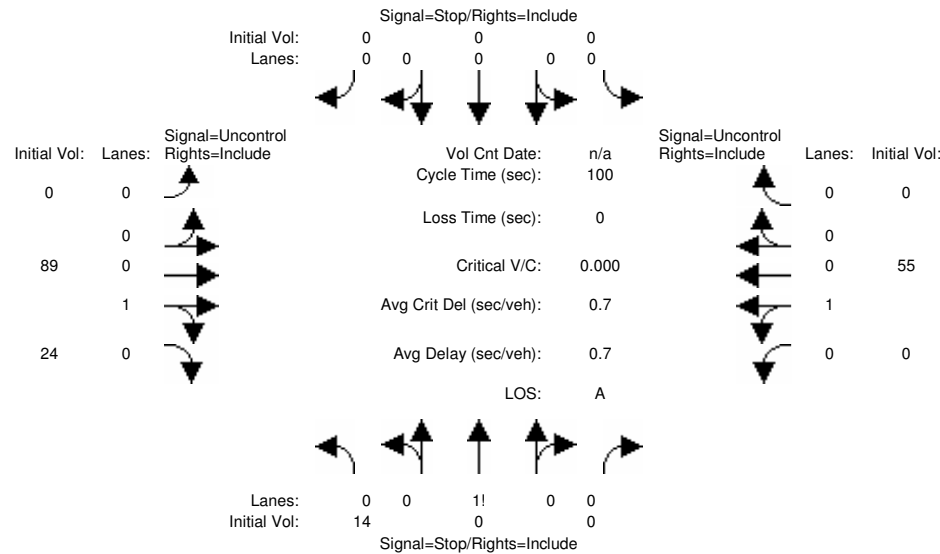
Capacity Analysis Module:

Vol/Sat:	0.04	0.30	0.30	0.01	0.42	0.42	0.08	0.08	0.08	0.03	0.05	0.05
Crit Moves:	****			****			****					
Green/Cycle:	0.07	0.55	0.55	0.12	0.61	0.61	0.12	0.12	0.12	0.12	0.12	0.12
Volume/Cap:	0.64	0.54	0.54	0.11	0.69	0.69	0.69	0.69	0.69	0.22	0.40	0.40
Delay/Veh:	38.4	8.8	8.8	23.6	8.7	8.7	36.1	36.1	36.1	24.4	25.7	25.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	8.8	8.8	23.6	8.7	8.7	36.1	36.1	36.1	24.4	25.7	25.7
LOS by Move:	D	A	A	C	A	A	D	D	D	C	C	C
HCM2kAvgQ:	3	7	7	1	11	11	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 Existing Plus Project

Intersection #9: Lake Village Drive/ Project Driveway West

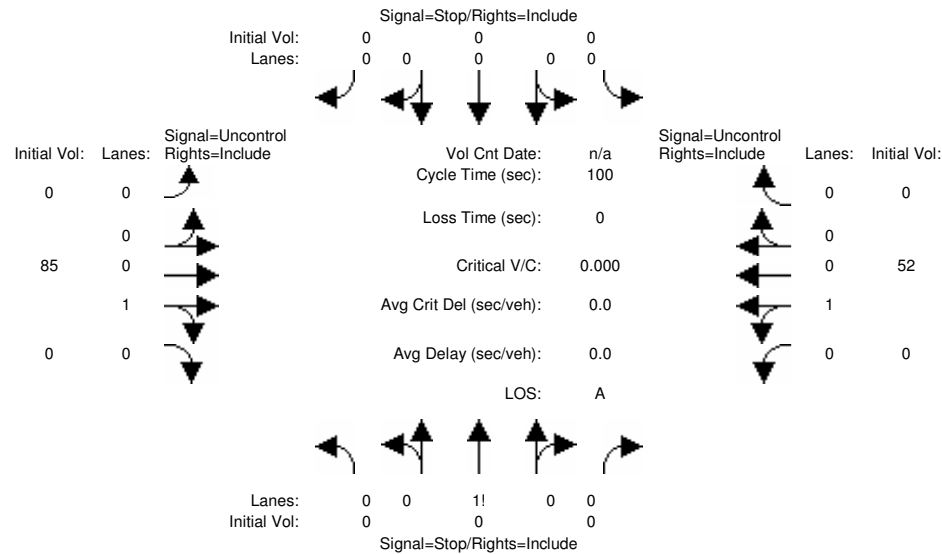


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	83	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	83	0	0	51	0
Added Vol:	14	0	0	0	0	0	0	6	24	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	14	0	0	0	0	0	0	89	24	0	55	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	18	0	0	0	0	0	0	111	30	0	69	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	18	0	0	0	0	0	0	111	30	0	69	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	195	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Potent Cap.:	798	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Move Cap.:	798	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Volume/Cap:	0.02	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Level Of Service Module:												
2Way95thQ:	0.1	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Control Del:	9.6	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.6			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 Existing Plus Alt 2

Intersection #9: Lake Village Drive/ Project Driveway West

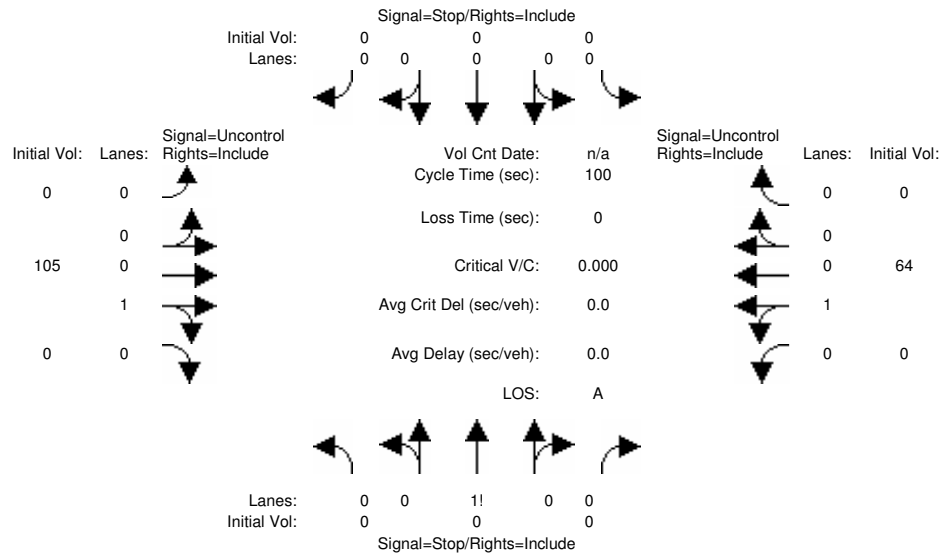


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	83	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	83	0	0	51	0
Added Vol:	0	0	0	0	0	0	0	2	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	0	85	0	0	52	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	0	0	0	0	0	0	0	106	0	0	65	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	0	0	0	0	0	0	0	106	0	0	65	0
Critical Gap Module:												
Critical Gp:	6.4	6.5	6.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	171	171	106	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	824	725	953	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	824	725	953	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Volume/Cap:	0.00	0.00	0.00	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
2Way95thQ:	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx
Control Del:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	0	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx
Shared Queue:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			xxxxxxx		
ApproachLOS:		*			*			*			*	

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 Existing Plus Alt 3

Intersection #9: Lake Village Drive/ Project Driveway West



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	83	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	83	0	0	51	0
Added Vol:	0	0	0	0	0	0	0	22	0	0	13	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	0	105	0	0	64	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	0	0	0	0	0	0	0	131	0	0	80	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	0	0	0	0	131	0	0	80	0

Critical Gap Module:												
Critical Gp:	6.4	6.5	6.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx

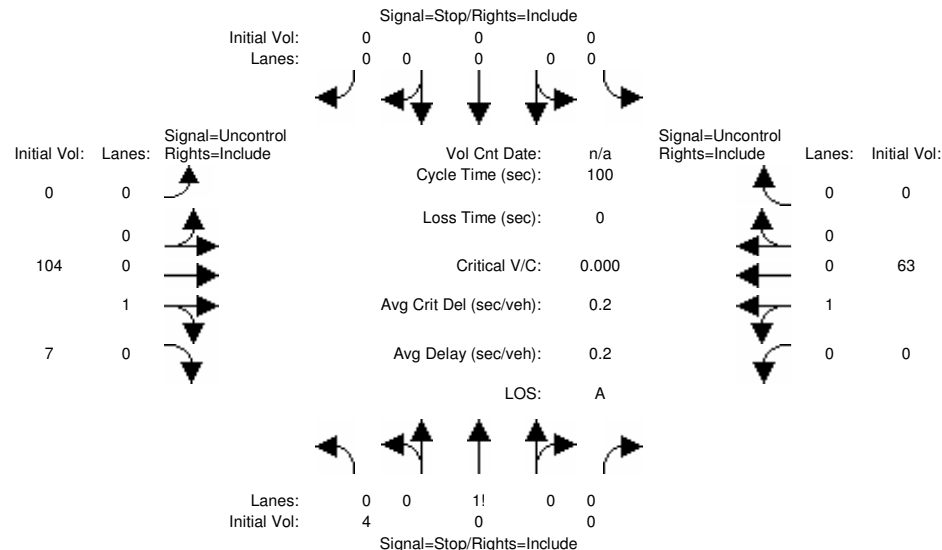
Capacity Module:												
Cnflct Vol:	211	211	131	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	782	690	924	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	782	690	924	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Volume/Cap:	0.00	0.00	0.00	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx

Level Of Service Module:															
2Way95thQ:	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx			
Control Del:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx			
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*			
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxxx	0	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx			
SharedQueue:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx			
Shrd ConDel:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx			
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*			
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			xxxxxxx					
ApproachLOS:		*			*			*			*				

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Alt 4

Intersection #9: Lake Village Drive/ Project Driveway West

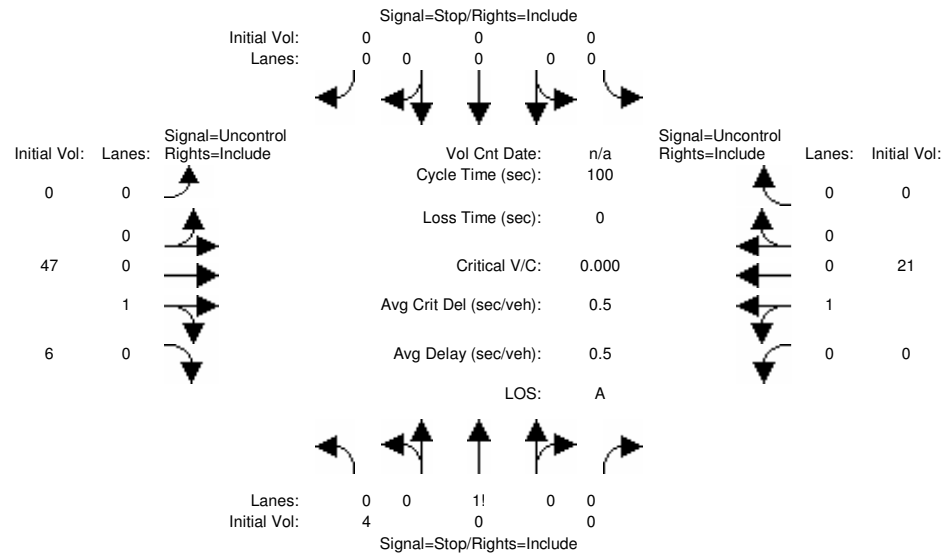


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	83	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	83	0	0	51	0
Added Vol:	4	0	0	0	0	0	0	21	7	0	12	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	0	0	0	0	0	0	104	7	0	63	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	5	0	0	0	0	0	0	130	9	0	79	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	5	0	0	0	0	0	0	130	9	0	79	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	213	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	780	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	780	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	9.6	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Shared Queue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.6			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Project

Intersection #10: Lake Village Drive/Project Driveway East

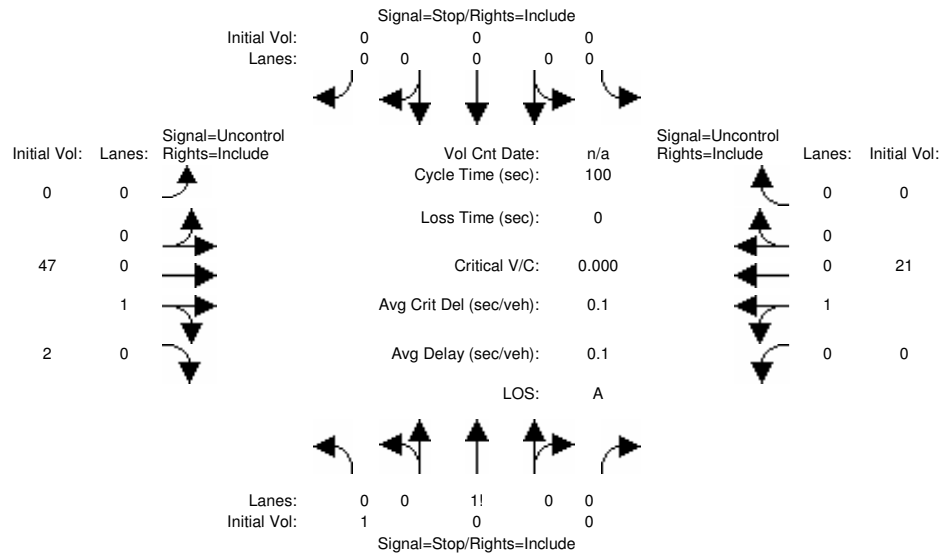


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	4	0	0	0	0	0	0	0	6	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	0	0	0	0	0	0	47	6	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	5	0	0	0	0	0	0	59	8	0	26	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	5	0	0	0	0	0	0	59	8	0	26	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	89	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Potent Cap.:	917	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Move Cap.:	917	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Volume/Cap:	0.01	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Control Del:	8.9	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	8.9			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Alt 2

Intersection #10: Lake Village Drive/Project Driveway East

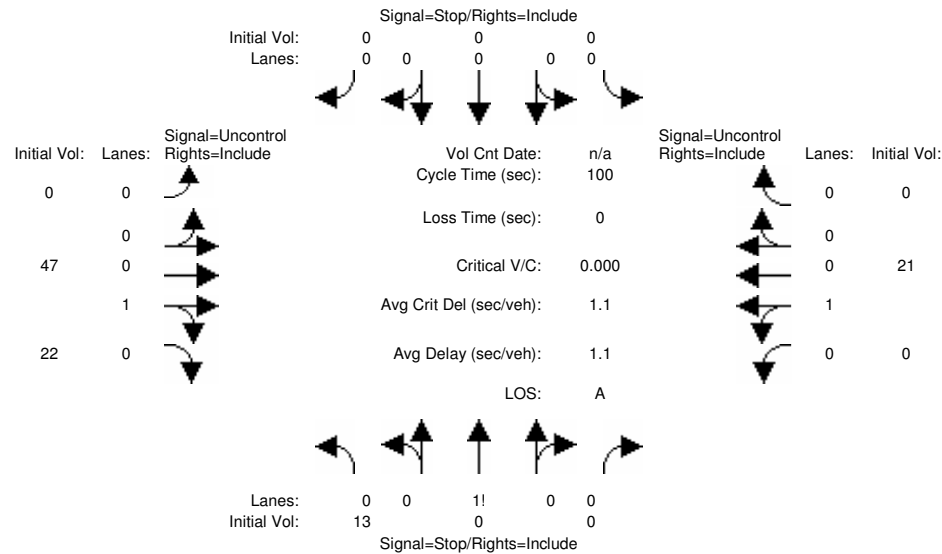


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	1	0	0	0	0	0	0	0	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	0	0	0	0	0	0	47	2	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	1	0	0	0	0	0	0	59	3	0	26	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	1	0	0	0	0	0	0	59	3	0	26	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	86	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	920	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	920	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	8.9	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Shared Queue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	8.9			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing Plus Alt 3

Intersection #10: Lake Village Drive/Project Driveway East

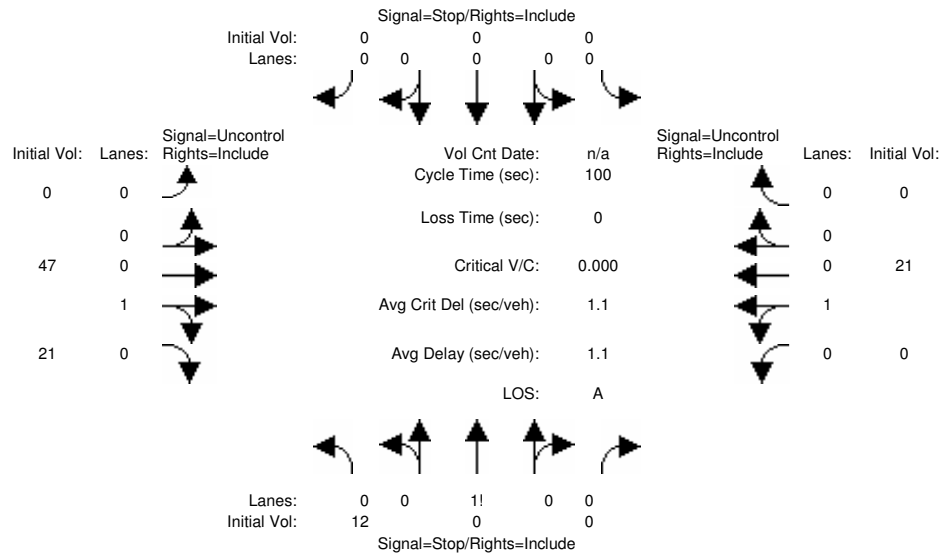


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	13	0	0	0	0	0	0	0	22	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	13	0	0	0	0	0	0	47	22	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	16	0	0	0	0	0	0	59	28	0	26	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	16	0	0	0	0	0	0	59	28	0	26	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	99	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	905	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	905	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.02	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.1	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	9.1	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.1			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 Existing Plus Alt 4

Intersection #10: Lake Village Drive/Project Driveway East

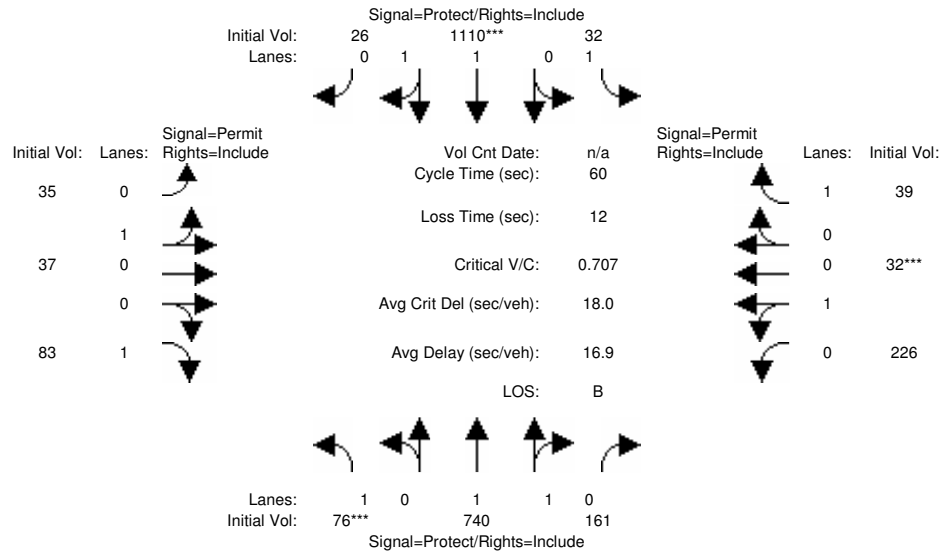


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: PM Peak Hour												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	12	0	0	0	0	0	0	0	21	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	12	0	0	0	0	0	0	47	21	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	15	0	0	0	0	0	0	59	26	0	26	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	15	0	0	0	0	0	0	59	26	0	26	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	98	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Potent Cap.:	906	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Move Cap.:	906	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Volume/Cap:	0.02	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Level Of Service Module:												
2Way95thQ:	0.1	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Control Del:	9.0	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.0			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 No Project

Intersection #1: US 50/ELK POINT



Street Name:	US 50						ELK POINT RD.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0

Volume Module:PM Peak Hour												
	76	740	161	32	1110	26	35	37	83	226	32	39
Base Vol:	76	740	161	32	1110	26	35	37	83	226	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	740	161	32	1110	26	35	37	83	226	32	39
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	740	161	32	1110	26	35	37	83	226	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	740	161	32	1110	26	35	37	83	226	32	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	740	161	32	1110	26	35	37	83	226	32	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	740	161	32	1110	26	35	37	83	226	32	39

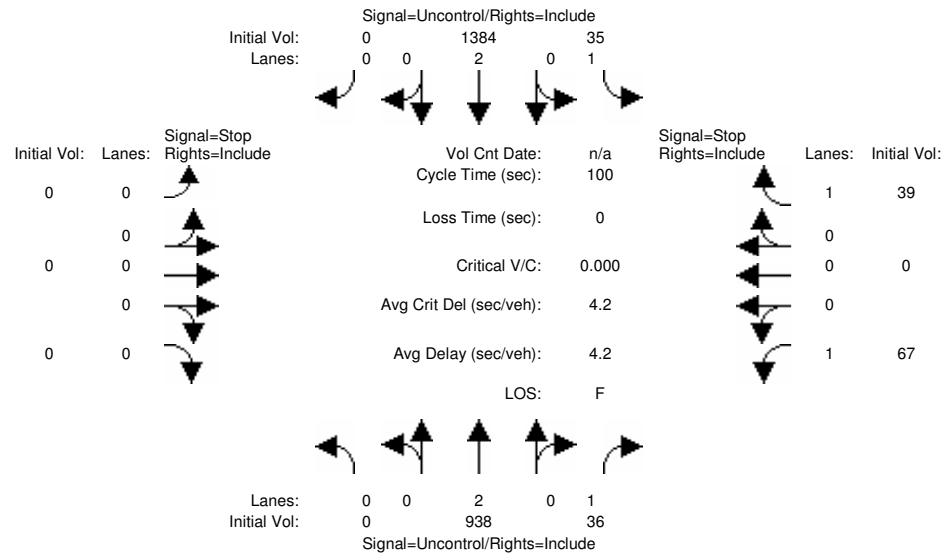
Saturation Flow Module:												
	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.93	0.93	0.79	0.79	0.83	0.68	0.68	0.83
Lanes:	1.00	1.64	0.36	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2827	615	1769	3446	81	728	769	1583	1127	160	1583

Capacity Analysis Module:												
	0.04	0.26	0.26	0.02	0.32	0.32	0.05	0.05	0.05	0.20	0.20	0.02
Vol/Sat:	0.04	0.26	0.26	0.02	0.32	0.32	0.05	0.05	0.05	0.20	0.20	0.02
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.41	0.41	0.11	0.45	0.45	0.28	0.28	0.28	0.28	0.28	0.28
Volume/Cap:	0.64	0.63	0.63	0.17	0.71	0.71	0.17	0.17	0.19	0.71	0.71	0.09
Delay/Veh:	38.9	14.9	14.9	24.9	14.8	14.8	16.5	16.5	16.6	25.9	25.9	16.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.9	14.9	14.9	24.9	14.8	14.8	16.5	16.5	16.6	25.9	25.9	16.0
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	8	8	1	10	10	1	1	1	6	6	1

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 2026 No Project

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module: PM Peak Hour

Base Vol:	0	938	36	35	1384	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	938	36	35	1384	0	0	0	0	67	0	39
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	938	36	35	1384	0	0	0	0	67	0	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	938	36	35	1384	0	0	0	0	67	0	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Volume:	0	938	36	35	1384	0	0	0	0	67	0	39

Critical Gap Module:

Critical Gp:	xxxx	xxxx	xxxx	4.1	xxxx	xxxx	xxxx	xxxx	xxxx	6.8	xxxx	6.9
FollowUpTim:	xxxx	xxxx	xxxx	2.2	xxxx	xxxx	xxxx	xxxx	xxxx	3.5	xxxx	3.3

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxx	974	xxxx	xxxx	xxxx	xxxx	xxxx	1700	xxxx	469
Potent Cap.:	xxxx	xxxx	xxxx	716	xxxx	xxxx	xxxx	xxxx	xxxx	85	xxxx	546
Move Cap.:	xxxx	xxxx	xxxx	716	xxxx	xxxx	xxxx	xxxx	xxxx	82	xxxx	546
Volume/Cap:	xxxx	xxxx	xxxx	0.05	xxxx	xxxx	xxxx	xxxx	xxxx	0.82	xxxx	0.07

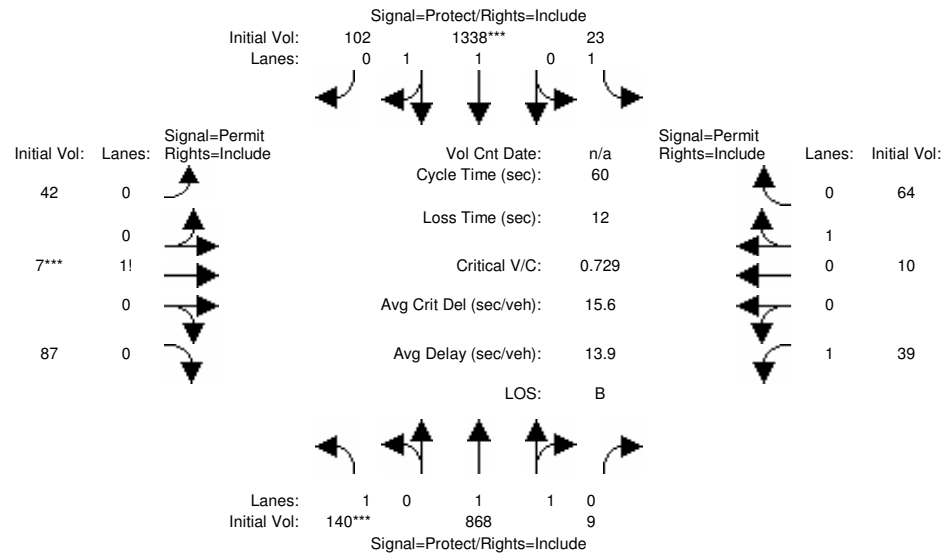
Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxx	0.2	xxxx	xxxx	xxxx	xxxx	xxxx	4.2	xxxx	0.2
Control Del:	xxxx	xxxx	xxxx	10.3	xxxx	xxxx	xxxx	xxxx	xxxx	142.7	xxxx	12.1
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared Queue:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd ConDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			94.7		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 No Project

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0
-------------	---	---	---	---	---	---	---	---	---	---	---	---

Volume Module:PM Peak Hour

Base Vol:	140	868	9	23	1338	102	42	7	87	39	10	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	868	9	23	1338	102	42	7	87	39	10	64
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	868	9	23	1338	102	42	7	87	39	10	64
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	868	9	23	1338	102	42	7	87	39	10	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	868	9	23	1338	102	42	7	87	39	10	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	140	868	9	23	1338	102	42	7	87	39	10	64

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.82	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.86	0.14	0.31	0.05	0.64	1.00	0.14	0.86
Final Sat.:	1769	3498	36	1769	3251	248	454	76	940	1564	219	1401

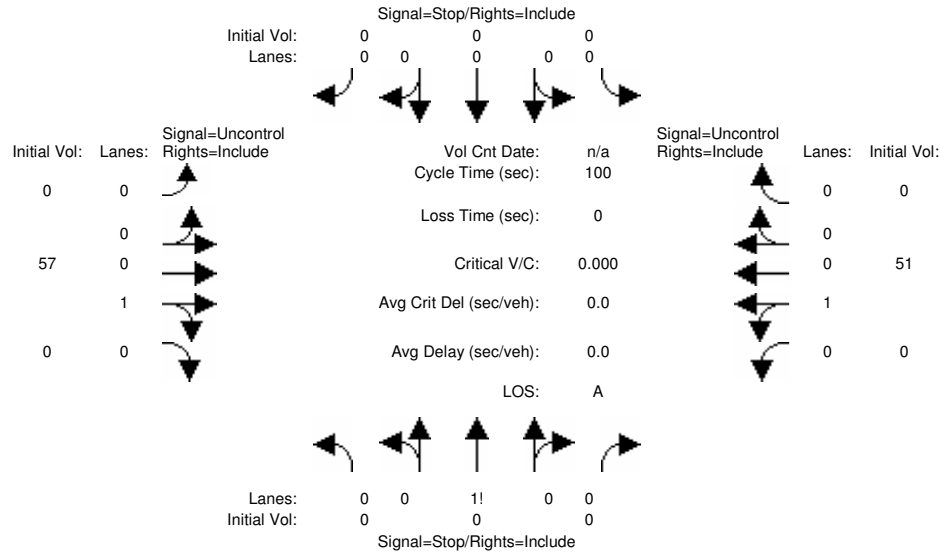
Capacity Analysis Module:

Vol/Sat:	0.08	0.25	0.25	0.01	0.41	0.41	0.09	0.09	0.09	0.02	0.05	0.05
Crit Moves:	****				****			****				
Green/Cycle:	0.11	0.53	0.53	0.14	0.56	0.56	0.13	0.13	0.13	0.13	0.13	0.13
Volume/Cap:	0.73	0.47	0.47	0.09	0.73	0.73	0.73	0.73	0.73	0.20	0.36	0.36
Delay/Veh:	39.1	9.0	9.0	22.5	11.1	11.1	38.8	38.8	38.8	23.9	25.0	25.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.1	9.0	9.0	22.5	11.1	11.1	38.8	38.8	38.8	23.9	25.0	25.0
LOS by Move:	D	A	A	C	B	B	D	D	D	C	C	C
HCM2kAvgQ:	4	6	6	0	12	12	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 2026 No Project

Intersection #9: Lake Village Drive/ Project Driveway West



Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module:

Base Vol:	0	0	0	0	0	0	0	57	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	57	0	0	51	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	0	57	0	0	51	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	0	57	0	0	51	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	0	0	0	0	57	0	0	51	0

Critical Gap Module:

Critical Gp:	6.4	6.5	6.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx

Capacity Module:

Cnflct Vol:	108	108	57	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	894	786	1015	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	894	786	1015	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Volume/Cap:	0.00	0.00	0.00	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx

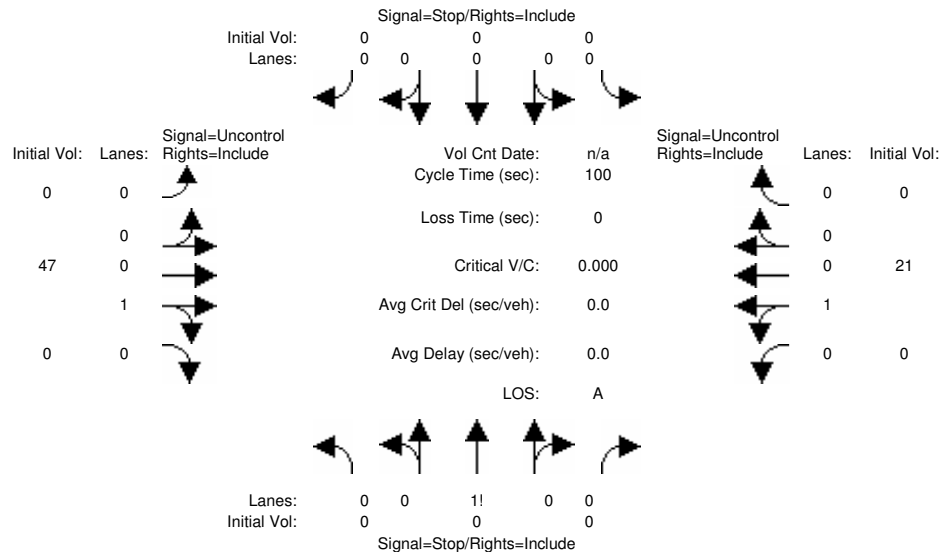
Level Of Service Module:

2Way95thQ:	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx
Control Del:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	0	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx
SharedQueue:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			xxxxxxx		
ApproachLOS:	*			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 No Project

Intersection #10: Lake Village Drive/Project Driveway East



Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module:

Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	0	47	0	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	0	47	0	0	21	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	0	0	0	0	47	0	0	21	0

Critical Gap Module:

Critical Gp:	6.4	6.5	6.2	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx

Capacity Module:

Cnflct Vol:	68	68	47	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	942	826	1028	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	942	826	1028	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	0.00	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx

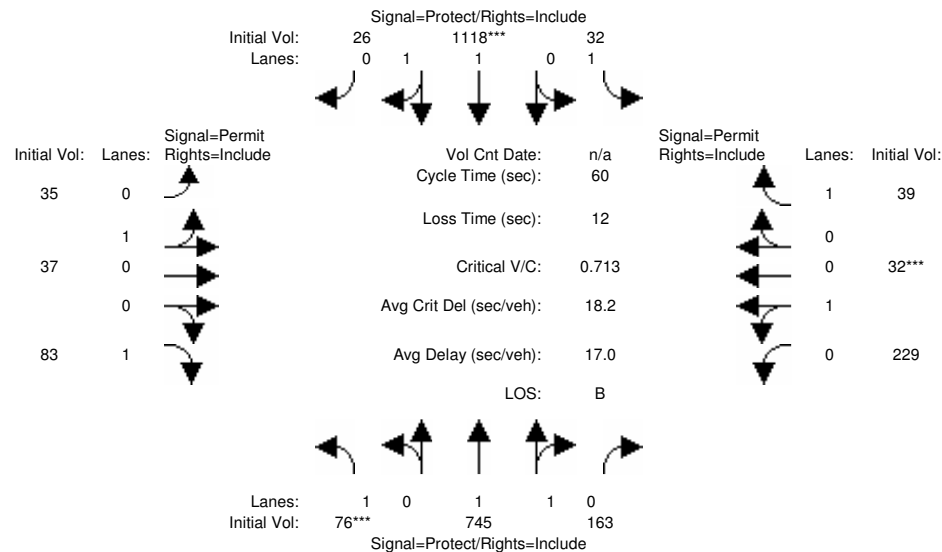
Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	0	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:		*			*			*			*	

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Project

Intersection #1: US 50/ELK POINT



Street Name:	US 50						ELK POINT RD.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0

Volume Module: PM Peak Hour												
Base Vol:	76	740	161	32	1110	26	35	37	83	226	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	740	161	32	1110	26	35	37	83	226	32	39
Added Vol:	0	5	2	0	8	0	0	0	0	3	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	745	163	32	1118	26	35	37	83	229	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	745	163	32	1118	26	35	37	83	229	32	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	745	163	32	1118	26	35	37	83	229	32	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	76	745	163	32	1118	26	35	37	83	229	32	39

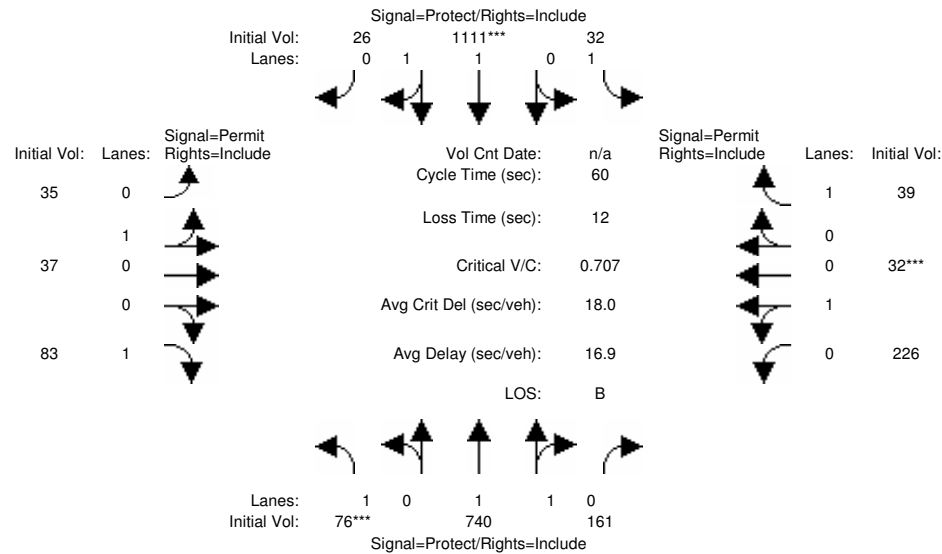
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.93	0.93	0.79	0.79	0.83	0.68	0.68	0.83
Lanes:	1.00	1.64	0.36	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2824	618	1769	3447	80	727	768	1583	1129	158	1583

Capacity Analysis Module:												
Vol/Sat:	0.04	0.26	0.26	0.02	0.32	0.32	0.05	0.05	0.05	0.20	0.20	0.02
Crit Moves:	****				****					****		
Green/Cycle:	0.07	0.41	0.41	0.10	0.45	0.45	0.28	0.28	0.28	0.28	0.28	0.28
Volume/Cap:	0.64	0.64	0.64	0.17	0.72	0.72	0.17	0.17	0.19	0.72	0.72	0.09
Delay/Veh:	38.9	15.0	15.0	25.0	15.0	15.0	16.4	16.4	16.5	26.2	26.2	15.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.9	15.0	15.0	25.0	15.0	15.0	16.4	16.4	16.5	26.2	26.2	15.9
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	8	8	1	11	11	1	1	1	6	6	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Alt 2

Intersection #1: US 50/ELK POINT



Street Name:	US 50				ELK POINT RD.							
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0

Volume Module: PM Peak Hour												
Base Vol:	76	740	161	32	1110	26	35	37	83	226	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	740	161	32	1110	26	35	37	83	226	32	39
Added Vol:	0	0	0	0	1	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	740	161	32	1111	26	35	37	83	226	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	740	161	32	1111	26	35	37	83	226	32	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	740	161	32	1111	26	35	37	83	226	32	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	76	740	161	32	1111	26	35	37	83	226	32	39

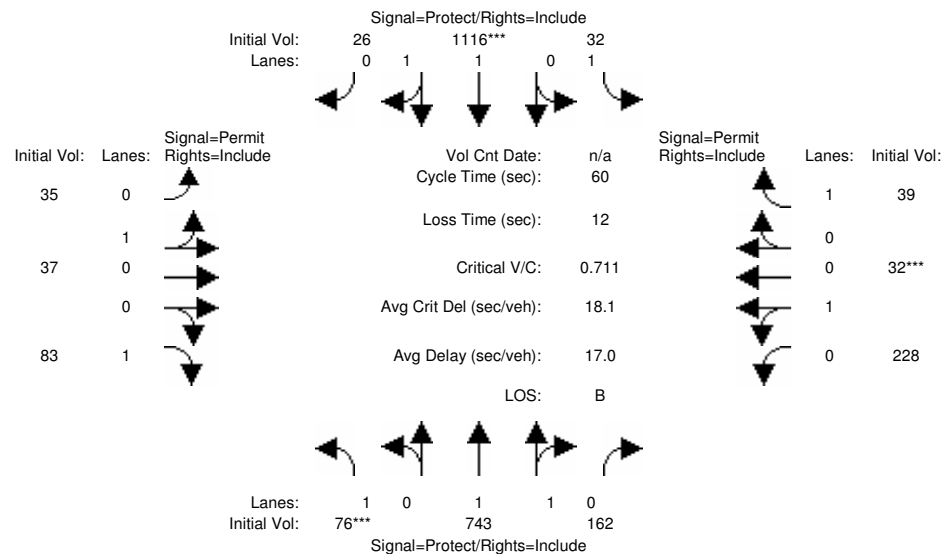
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.93	0.93	0.79	0.79	0.83	0.68	0.68	0.83
Lanes:	1.00	1.64	0.36	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2827	615	1769	3447	81	728	769	1583	1127	160	1583

Capacity Analysis Module:												
Vol/Sat:	0.04	0.26	0.26	0.02	0.32	0.32	0.05	0.05	0.05	0.20	0.20	0.02
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.41	0.41	0.11	0.45	0.45	0.28	0.28	0.28	0.28	0.28	0.28
Volume/Cap:	0.64	0.63	0.63	0.17	0.71	0.71	0.17	0.17	0.19	0.71	0.71	0.09
Delay/Veh:	38.9	14.9	14.9	24.9	14.8	14.8	16.5	16.5	16.6	26.0	26.0	16.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.9	14.9	14.9	24.9	14.8	14.8	16.5	16.5	16.6	26.0	26.0	16.0
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	8	8	1	10	10	1	1	1	6	6	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Alt 3

Intersection #1: US 50/ELK POINT



Street Name:	US 50				ELK POINT RD.							
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0

Volume Module: PM Peak Hour												
Base Vol:	76	740	161	32	1110	26	35	37	83	226	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	740	161	32	1110	26	35	37	83	226	32	39
Added Vol:	0	3	1	0	6	0	0	0	0	2	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	743	162	32	1116	26	35	37	83	228	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	743	162	32	1116	26	35	37	83	228	32	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	743	162	32	1116	26	35	37	83	228	32	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	76	743	162	32	1116	26	35	37	83	228	32	39

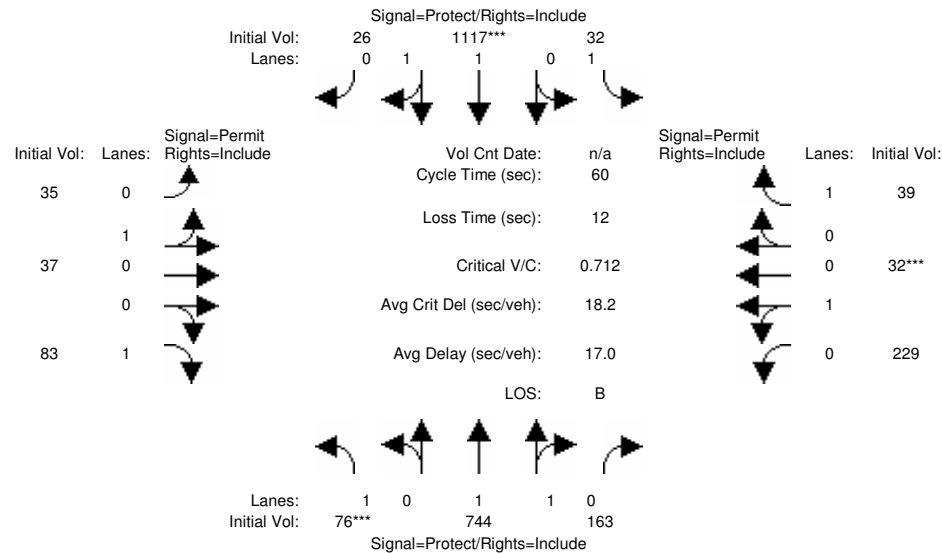
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.93	0.93	0.79	0.79	0.83	0.68	0.68	0.83
Lanes:	1.00	1.64	0.36	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2826	616	1769	3447	80	727	768	1583	1128	158	1583

Capacity Analysis Module:												
Vol/Sat:	0.04	0.26	0.26	0.02	0.32	0.32	0.05	0.05	0.05	0.20	0.20	0.02
Crit Moves:	****				****						****	
Green/Cycle:	0.07	0.41	0.41	0.10	0.45	0.45	0.28	0.28	0.28	0.28	0.28	0.28
Volume/Cap:	0.64	0.64	0.64	0.17	0.72	0.72	0.17	0.17	0.19	0.72	0.72	0.09
Delay/Veh:	38.9	15.0	15.0	24.9	14.9	14.9	16.5	16.5	16.5	26.1	26.1	15.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.9	15.0	15.0	24.9	14.9	14.9	16.5	16.5	16.5	26.1	26.1	15.9
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	8	8	1	10	10	1	1	1	6	6	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Alt 4

Intersection #1: US 50/ELK POINT



Street Name:	US 50						ELK POINT RD.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0

Volume Module: PM Peak Hour												
Base Vol:	76	740	161	32	1110	26	35	37	83	226	32	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	740	161	32	1110	26	35	37	83	226	32	39
Added Vol:	0	4	2	0	7	0	0	0	0	3	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	744	163	32	1117	26	35	37	83	229	32	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	744	163	32	1117	26	35	37	83	229	32	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	744	163	32	1117	26	35	37	83	229	32	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	76	744	163	32	1117	26	35	37	83	229	32	39

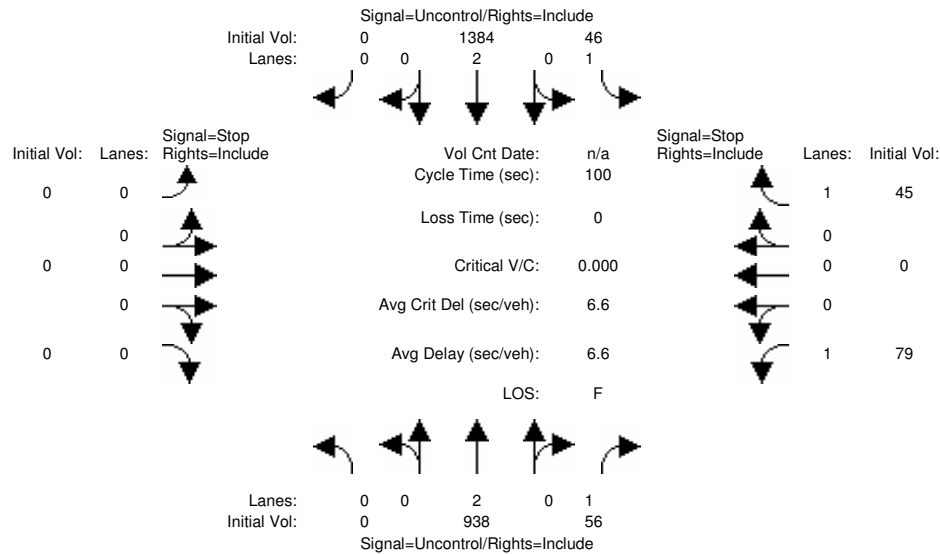
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.93	0.93	0.79	0.79	0.83	0.68	0.68	0.83
Lanes:	1.00	1.64	0.36	1.00	1.95	0.05	0.49	0.51	1.00	0.88	0.12	1.00
Final Sat.:	1769	2824	619	1769	3447	80	727	768	1583	1129	158	1583

Capacity Analysis Module:												
Vol/Sat:	0.04	0.26	0.26	0.02	0.32	0.32	0.05	0.05	0.05	0.20	0.20	0.02
Crit Moves:	****			****						****		
Green/Cycle:	0.07	0.41	0.41	0.10	0.45	0.45	0.28	0.28	0.28	0.28	0.28	0.28
Volume/Cap:	0.64	0.64	0.64	0.17	0.72	0.72	0.17	0.17	0.19	0.72	0.72	0.09
Delay/Veh:	38.9	15.0	15.0	24.9	15.0	15.0	16.4	16.4	16.5	26.2	26.2	15.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.9	15.0	15.0	24.9	15.0	15.0	16.4	16.4	16.5	26.2	26.2	15.9
LOS by Move:	D	B	B	C	B	B	B	B	B	C	C	B
HCM2kAvgQ:	3	8	8	1	11	11	1	1	1	6	6	1

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Project

Intersection #2: US 50/LAKE VILLAGE



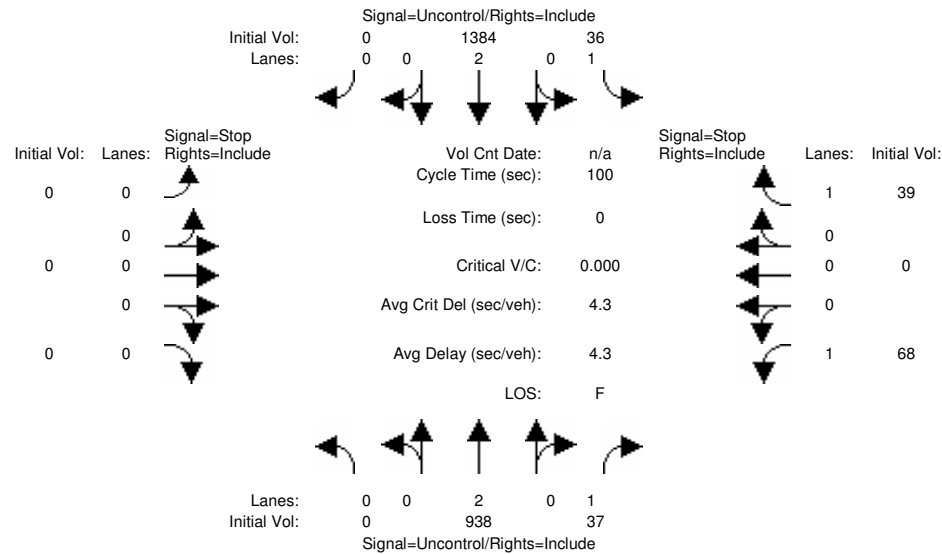
Street Name: US 50 LAKE VILLAGE
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module: PM Peak Hour												
	0	938	36	35	1384	0	0	0	0	67	0	39
Base Vol:	0	938	36	35	1384	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	938	36	35	1384	0	0	0	0	67	0	39
Added Vol:	0	0	20	11	0	0	0	0	0	12	0	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	938	56	46	1384	0	0	0	0	79	0	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	938	56	46	1384	0	0	0	0	79	0	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	938	56	46	1384	0	0	0	0	79	0	45
Critical Gap Module:												
Critical Gp:	xxxx	xxxx	xxxx	4.1	xxxx	xxxx	xxxx	xxxx	xxxx	6.8	xxxx	6.9
FollowUpTim:	xxxx	xxxx	xxxx	2.2	xxxx	xxxx	xxxx	xxxx	xxxx	3.5	xxxx	3.3
Capacity Module:												
Cnflct Vol:	xxxx	xxxx	xxxx	994	xxxx	xxxx	xxxx	xxxx	xxxx	1722	xxxx	469
Potent Cap.:	xxxx	xxxx	xxxx	704	xxxx	xxxx	xxxx	xxxx	xxxx	82	xxxx	546
Move Cap.:	xxxx	xxxx	xxxx	704	xxxx	xxxx	xxxx	xxxx	xxxx	78	xxxx	546
Volume/Cap:	xxxx	xxxx	xxxx	0.07	xxxx	xxxx	xxxx	xxxx	xxxx	1.01	xxxx	0.08
Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxx	0.2	xxxx	xxxx	xxxx	xxxx	xxxx	5.5	xxxx	0.3
Control Del:	xxxx	xxxx	xxxx	10.5	xxxx	xxxx	xxxx	xxxx	xxxx	199.9	xxxx	12.2
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
SharedQueue:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd ConDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			131.8		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Alt 2

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module: PM Peak Hour

Base Vol:	0	938	36	35	1384	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	938	36	35	1384	0	0	0	0	67	0	39
Added Vol:	0	0	1	1	0	0	0	0	0	1	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	938	37	36	1384	0	0	0	0	68	0	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	938	37	36	1384	0	0	0	0	68	0	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	938	37	36	1384	0	0	0	0	68	0	39

Critical Gap Module:

Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxxx	xxxx	xxxxxx	6.8	xxxx	6.9
FollowUpTim:	xxxxxx	xxxx	xxxxxx	2.2	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	3.5	xxxx	3.3

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxxxx	975	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	1702	xxxx	469
Potent Cap.:	xxxx	xxxx	xxxxxx	716	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	85	xxxx	546
Move Cap.:	xxxx	xxxx	xxxxxx	716	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	81	xxxx	546
Volume/Cap:	xxxx	xxxx	xxxx	0.05	xxxx	xxxx	xxxx	xxxx	xxxx	0.84	xxxx	0.07

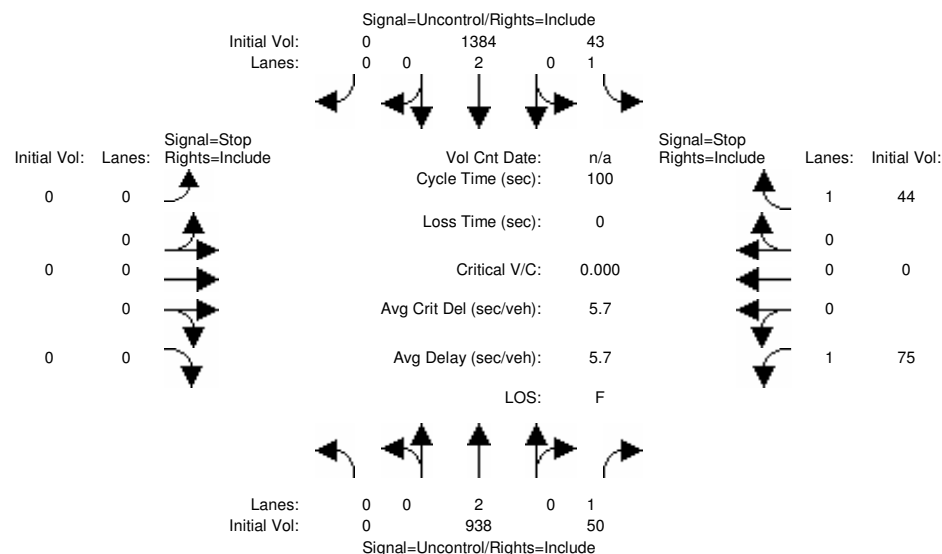
Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxxx	0.2	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	4.3	xxxx	0.2
Control Del:	xxxxxx	xxxx	xxxxxx	10.3	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	146.9	xxxx	12.1
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			97.8		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Alt 3

Intersection #2: US 50/LAKE VILLAGE



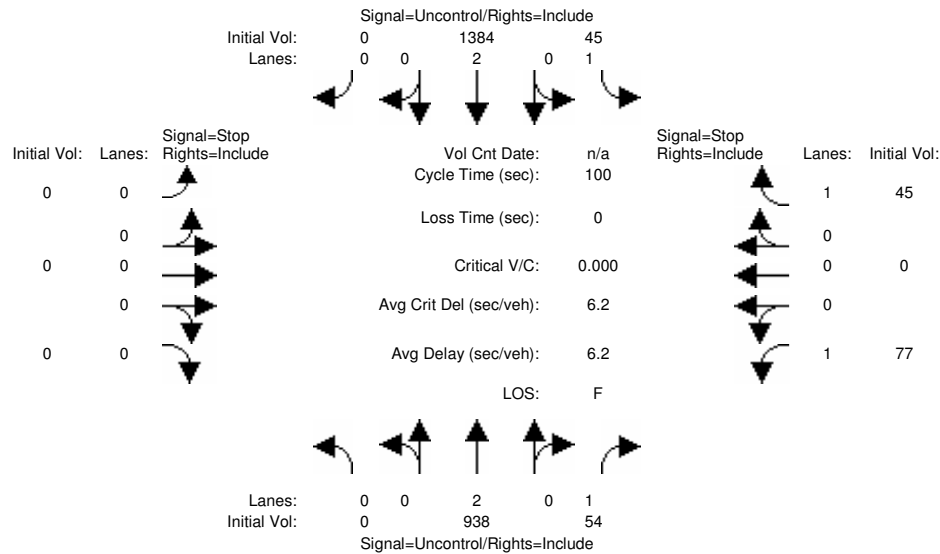
Street Name: US 50 LAKE VILLAGE
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module: PM Peak Hour												
	0	938	36	35	1384	0	0	0	0	67	0	39
Base Vol:	0	938	36	35	1384	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	938	36	35	1384	0	0	0	0	67	0	39
Added Vol:	0	0	14	8	0	0	0	0	0	8	0	5
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	938	50	43	1384	0	0	0	0	75	0	44
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	938	50	43	1384	0	0	0	0	75	0	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	938	50	43	1384	0	0	0	0	75	0	44
Critical Gap Module:												
Critical Gp:	xxxx	xxxx	xxxx	4.1	xxxx	xxxx	xxxx	xxxx	xxxx	6.8	xxxx	6.9
FollowUpTim:	xxxx	xxxx	xxxx	2.2	xxxx	xxxx	xxxx	xxxx	xxxx	3.5	xxxx	3.3
Capacity Module:												
Cnflct Vol:	xxxx	xxxx	xxxx	988	xxxx	xxxx	xxxx	xxxx	xxxx	1716	xxxx	469
Potent Cap.:	xxxx	xxxx	xxxx	708	xxxx	xxxx	xxxx	xxxx	xxxx	83	xxxx	546
Move Cap.:	xxxx	xxxx	xxxx	708	xxxx	xxxx	xxxx	xxxx	xxxx	79	xxxx	546
Volume/Cap:	xxxx	xxxx	xxxx	0.06	xxxx	xxxx	xxxx	xxxx	xxxx	0.95	xxxx	0.08
Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxx	0.2	xxxx	xxxx	xxxx	xxxx	xxxx	5.1	xxxx	0.3
Control Del:	xxxx	xxxx	xxxx	10.4	xxxx	xxxx	xxxx	xxxx	xxxx	179.8	xxxx	12.2
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
SharedQueue:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd ConDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			117.8		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Alt 4

Intersection #2: US 50/LAKE VILLAGE



Street Name: US 50 LAKE VILLAGE
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Volume Module: PM Peak Hour

Base Vol:	0	938	36	35	1384	0	0	0	0	67	0	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	938	36	35	1384	0	0	0	0	67	0	39
Added Vol:	0	0	18	10	0	0	0	0	0	10	0	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	938	54	45	1384	0	0	0	0	77	0	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	938	54	45	1384	0	0	0	0	77	0	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	938	54	45	1384	0	0	0	0	77	0	45

Critical Gap Module:

Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxxx	xxxx	xxxxxx	6.8	xxxx	6.9
FollowUpTim:	xxxxxx	xxxx	xxxxxx	2.2	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	3.5	xxxx	3.3

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxxxx	992	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	1720	xxxx	469
Potent Cap.:	xxxx	xxxx	xxxxxx	705	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	82	xxxx	546
Move Cap.:	xxxx	xxxx	xxxxxx	705	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	78	xxxx	546
Volume/Cap:	xxxx	xxxx	xxxx	0.06	xxxx	xxxx	xxxx	xxxx	xxxx	0.98	xxxx	0.08

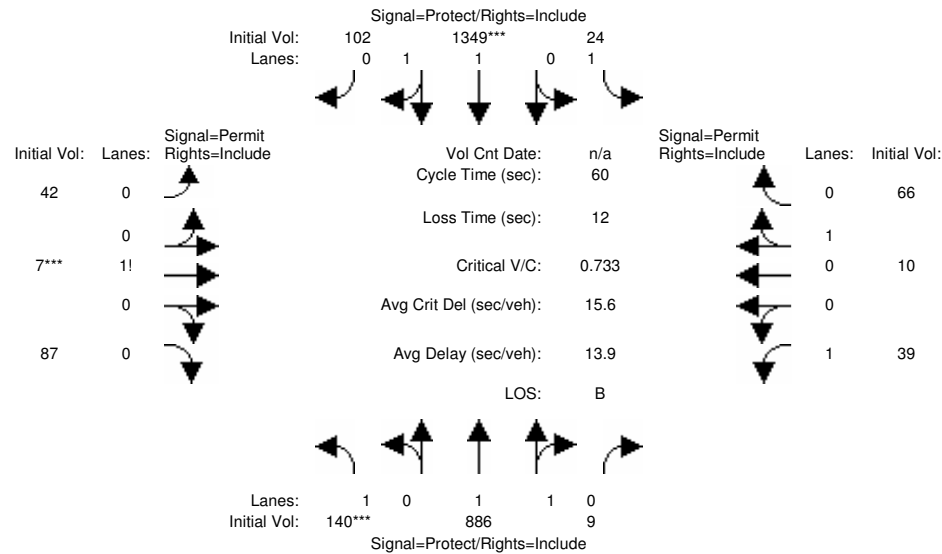
Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxxx	0.2	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	5.3	xxxx	0.3
Control Del:	xxxxxx	xxxx	xxxxxx	10.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	190.5	xxxx	12.2
LOS by Move:	*	*	*	B	*	*	*	*	*	F	*	B
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			124.7		
ApproachLOS:	*			*			*			F		

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Project

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0
-------------	---	---	---	---	---	---	---	---	---	---	---	---

Volume Module:PM Peak Hour

Base Vol:	140	868	9	23	1338	102	42	7	87	39	10	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	868	9	23	1338	102	42	7	87	39	10	64
Added Vol:	0	18	0	1	11	0	0	0	0	0	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	886	9	24	1349	102	42	7	87	39	10	66
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	886	9	24	1349	102	42	7	87	39	10	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	886	9	24	1349	102	42	7	87	39	10	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	140	886	9	24	1349	102	42	7	87	39	10	66

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.82	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.86	0.14	0.31	0.05	0.64	1.00	0.13	0.87
Final Sat.:	1769	3499	36	1769	3256	246	454	76	940	1566	213	1407

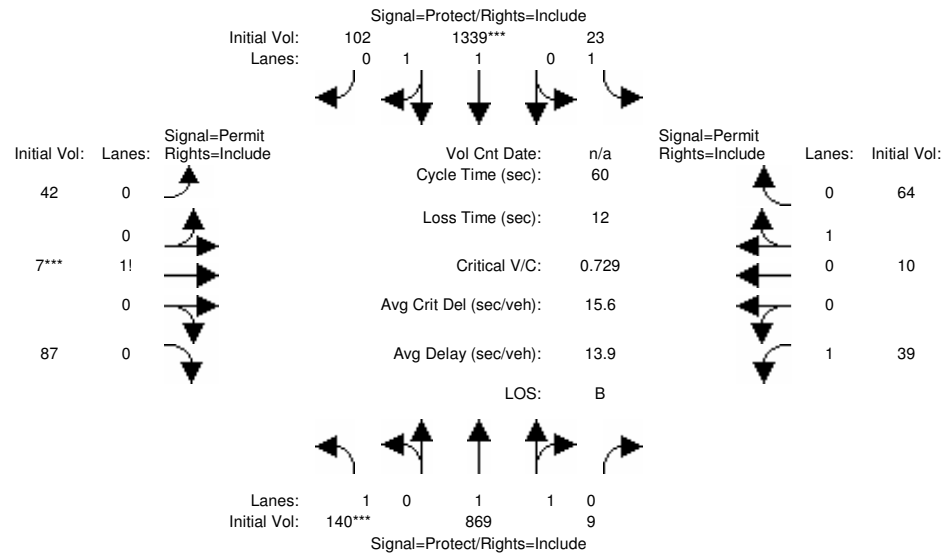
Capacity Analysis Module:

Vol/Sat:	0.08	0.25	0.25	0.01	0.41	0.41	0.09	0.09	0.09	0.02	0.05	0.05
Crit Moves:	****				****			****				
Green/Cycle:	0.11	0.53	0.53	0.14	0.57	0.57	0.13	0.13	0.13	0.13	0.13	0.13
Volume/Cap:	0.73	0.47	0.47	0.10	0.73	0.73	0.73	0.73	0.73	0.20	0.37	0.37
Delay/Veh:	39.5	8.9	8.9	22.6	11.1	11.1	39.2	39.2	39.2	24.0	25.2	25.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.5	8.9	8.9	22.6	11.1	11.1	39.2	39.2	39.2	24.0	25.2	25.2
LOS by Move:	D	A	A	C	B	B	D	D	D	C	C	C
HCM2kAvgQ:	4	6	6	0	12	12	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Alt 2

Intersection #3: US 50/KAHLE



Street Name:	US 50				KAHLE DR.							
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0
-------------	---	---	---	---	---	---	---	---	---	---	---	---

Volume Module:PM Peak Hour												
Base Vol:	140	868	9	23	1338	102	42	7	87	39	10	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	868	9	23	1338	102	42	7	87	39	10	64
Added Vol:	0	1	0	0	1	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	869	9	23	1339	102	42	7	87	39	10	64
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	869	9	23	1339	102	42	7	87	39	10	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	869	9	23	1339	102	42	7	87	39	10	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	140	869	9	23	1339	102	42	7	87	39	10	64

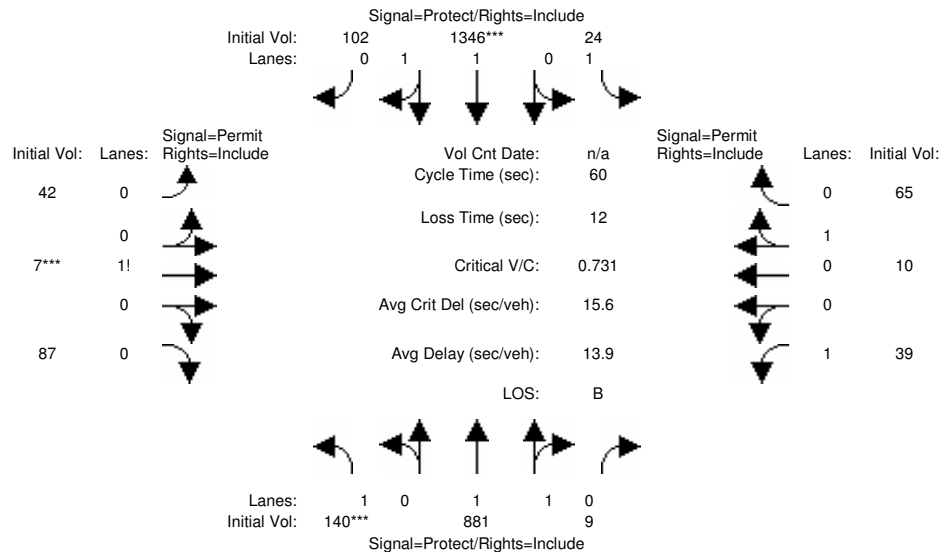
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.82	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.86	0.14	0.31	0.05	0.64	1.00	0.14	0.86
Final Sat.:	1769	3498	36	1769	3251	248	454	76	940	1564	219	1401

Capacity Analysis Module:												
Vol/Sat:	0.08	0.25	0.25	0.01	0.41	0.41	0.09	0.09	0.09	0.02	0.05	0.05
Crit Moves:	****			****			****					
Green/Cycle:	0.11	0.53	0.53	0.14	0.56	0.56	0.13	0.13	0.13	0.13	0.13	0.13
Volume/Cap:	0.73	0.47	0.47	0.09	0.73	0.73	0.73	0.73	0.73	0.20	0.36	0.36
Delay/Veh:	39.2	9.0	9.0	22.5	11.1	11.1	38.8	38.8	38.8	23.9	25.0	25.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.2	9.0	9.0	22.5	11.1	11.1	38.8	38.8	38.8	23.9	25.0	25.0
LOS by Move:	D	A	A	C	B	B	D	D	D	C	C	C
HCM2kAvgQ:	4	6	6	0	12	12	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Alt 3

Intersection #3: US 50/KAHLE



Street Name:	US 50						KAHLE DR.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0

Volume Module:PM Peak Hour												
Base Vol:	140	868	9	23	1338	102	42	7	87	39	10	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	868	9	23	1338	102	42	7	87	39	10	64
Added Vol:	0	13	0	1	8	0	0	0	0	0	0	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	881	9	24	1346	102	42	7	87	39	10	65
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	881	9	24	1346	102	42	7	87	39	10	65
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	881	9	24	1346	102	42	7	87	39	10	65
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	140	881	9	24	1346	102	42	7	87	39	10	65

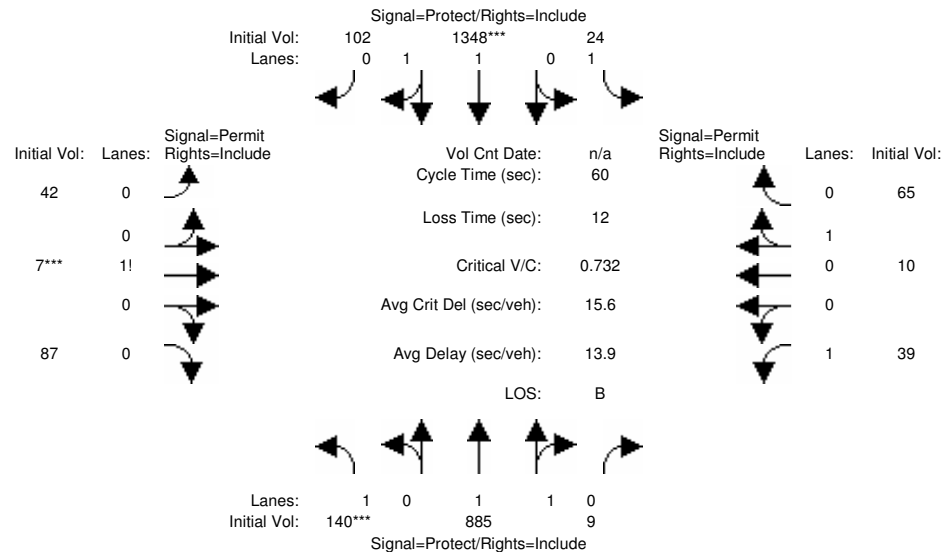
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.82	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.86	0.14	0.31	0.05	0.64	1.00	0.13	0.87
Final Sat.:	1769	3499	36	1769	3256	247	454	76	940	1566	216	1404

Capacity Analysis Module:												
Vol/Sat:	0.08	0.25	0.25	0.01	0.41	0.41	0.09	0.09	0.09	0.02	0.05	0.05
Crit Moves:	****			****			****					
Green/Cycle:	0.11	0.53	0.53	0.14	0.57	0.57	0.13	0.13	0.13	0.13	0.13	0.13
Volume/Cap:	0.73	0.47	0.47	0.10	0.73	0.73	0.73	0.73	0.73	0.20	0.37	0.37
Delay/Veh:	39.4	9.0	9.0	22.6	11.1	11.1	39.0	39.0	39.0	24.0	25.1	25.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.4	9.0	9.0	22.6	11.1	11.1	39.0	39.0	39.0	24.0	25.1	25.1
LOS by Move:	D	A	A	C	B	B	D	D	D	C	C	C
HCM2kAvgQ:	4	6	6	0	12	12	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2026 Plus Alt 4

Intersection #3: US 50/KAHLE



Street Name: US 50 KAHLE DR.
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green:	4	4	0	4	4	0	4	4	0	4	4	0
-------------	---	---	---	---	---	---	---	---	---	---	---	---

Volume Module:PM Peak Hour

Base Vol:	140	868	9	23	1338	102	42	7	87	39	10	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	868	9	23	1338	102	42	7	87	39	10	64
Added Vol:	0	17	0	1	10	0	0	0	0	0	0	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	885	9	24	1348	102	42	7	87	39	10	65
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	885	9	24	1348	102	42	7	87	39	10	65
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	885	9	24	1348	102	42	7	87	39	10	65
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	140	885	9	24	1348	102	42	7	87	39	10	65

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.92	0.92	0.77	0.77	0.77	0.82	0.85	0.85
Lanes:	1.00	1.98	0.02	1.00	1.86	0.14	0.31	0.05	0.64	1.00	0.13	0.87
Final Sat.:	1769	3499	36	1769	3256	246	454	76	940	1566	216	1404

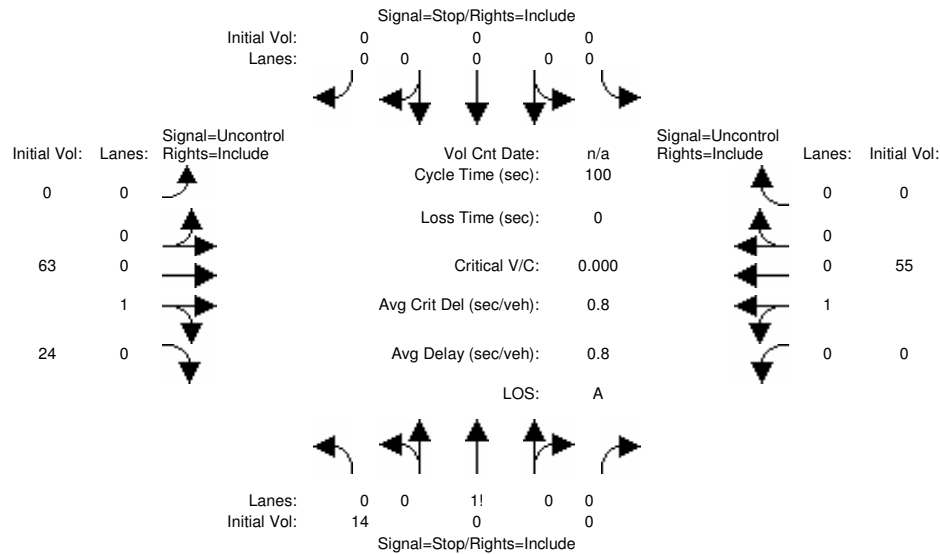
Capacity Analysis Module:

Vol/Sat:	0.08	0.25	0.25	0.01	0.41	0.41	0.09	0.09	0.09	0.02	0.05	0.05
Crit Moves:	****				****			****				
Green/Cycle:	0.11	0.53	0.53	0.14	0.57	0.57	0.13	0.13	0.13	0.13	0.13	0.13
Volume/Cap:	0.73	0.47	0.47	0.10	0.73	0.73	0.73	0.73	0.73	0.20	0.37	0.37
Delay/Veh:	39.5	8.9	8.9	22.6	11.1	11.1	39.1	39.1	39.1	24.0	25.1	25.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.5	8.9	8.9	22.6	11.1	11.1	39.1	39.1	39.1	24.0	25.1	25.1
LOS by Move:	D	A	A	C	B	B	D	D	D	C	C	C
HCM2kAvgQ:	4	6	6	0	12	12	4	4	4	1	2	2

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Project

Intersection #9: Lake Village Drive/ Project Driveway West



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	0	0	0	0	0	0	57	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	57	0	0	51	0
Added Vol:	14	0	0	0	0	0	0	6	24	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	14	0	0	0	0	0	0	63	24	0	55	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	14	0	0	0	0	0	0	63	24	0	55	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	14	0	0	0	0	0	0	63	24	0	55	0

Critical Gap Module:	North Bound			South Bound			East Bound			West Bound		
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx

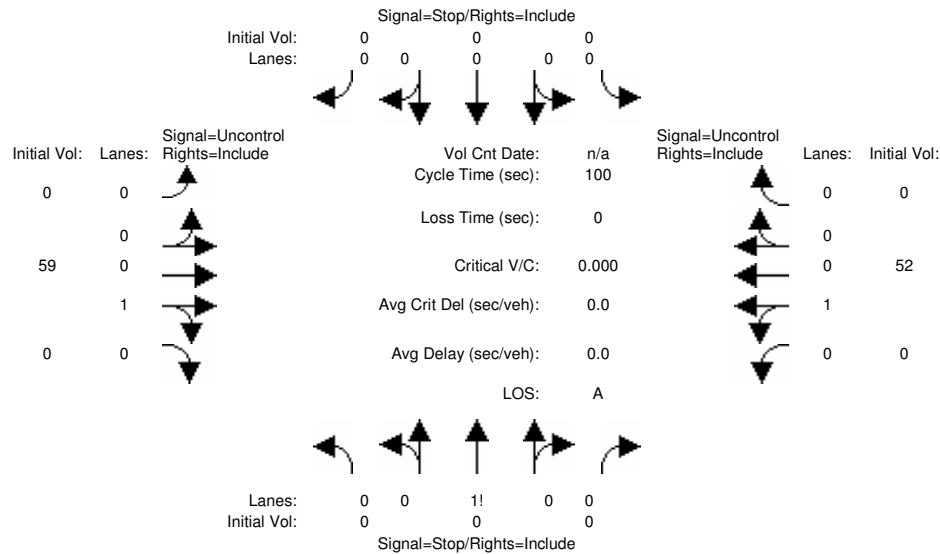
Capacity Module:	North Bound			South Bound			East Bound			West Bound		
Cnflct Vol:	130	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Potent Cap.:	869	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Move Cap.:	869	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Volume/Cap:	0.02	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx

Level Of Service Module:	North Bound			South Bound			East Bound			West Bound		
2Way95thQ:	0.0	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Control Del:	9.2	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.2			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 2026 Plus Alt 2

Intersection #9: Lake Village Drive/ Project Driveway West

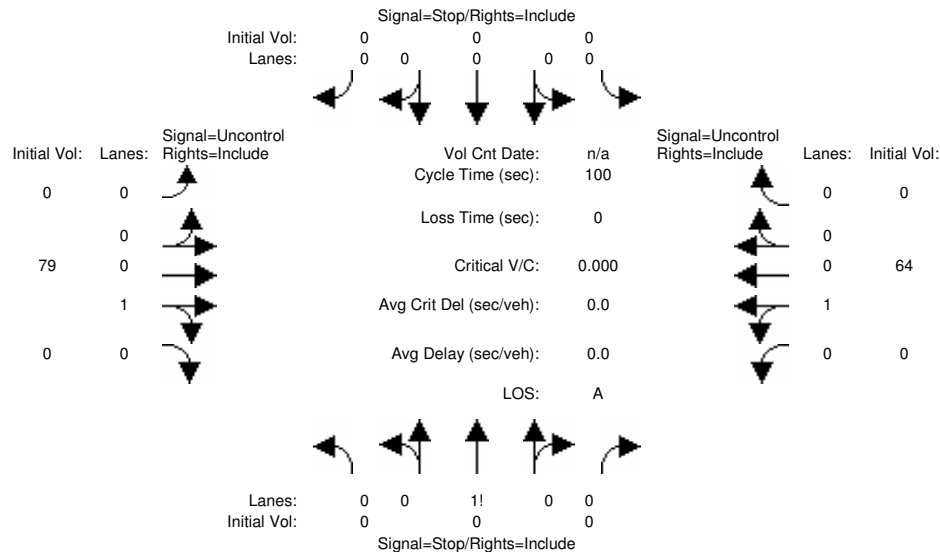


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	0	0	0	0	57	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	57	0	0	51	0
Added Vol:	0	0	0	0	0	0	0	2	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	0	59	0	0	52	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	0	59	0	0	52	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	0	0	0	0	59	0	0	52	0
Critical Gap Module:												
Critical Gp:	6.4	6.5	6.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	111	111	59	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	891	783	1012	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	891	783	1012	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	0.00	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	0	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Alt 3

Intersection #9: Lake Village Drive/ Project Driveway West



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	0	0	0	0	0	0	57	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	57	0	0	51	0
Added Vol:	0	0	0	0	0	0	0	22	0	0	13	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	0	79	0	0	64	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	0	79	0	0	64	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	0	0	0	0	79	0	0	64	0

Critical Gap Module:	North Bound			South Bound			East Bound			West Bound		
Critical Gp:	6.4	6.5	6.2	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx

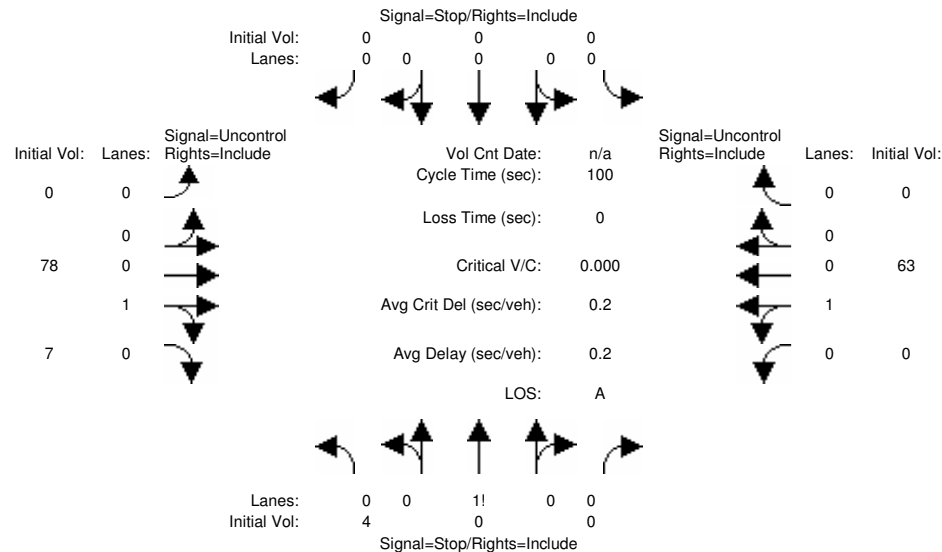
Capacity Module:	North Bound			South Bound			East Bound			West Bound		
Cnflct Vol:	143	143	79	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	854	752	987	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	854	752	987	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	0.00	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx

Level Of Service Module:	North Bound			South Bound			East Bound			West Bound		
2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	0	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			xxxxxxx		
ApproachLOS:	*			*			*			*		

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 2026 Plus Alt 4

Intersection #9: Lake Village Drive/ Project Driveway West

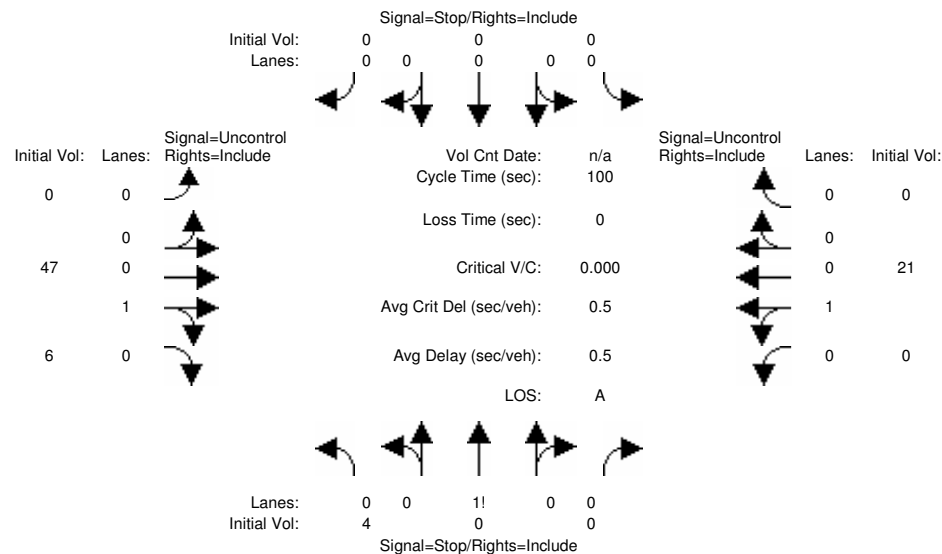


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	0	0	0	0	57	0	0	51	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	57	0	0	51	0
Added Vol:	4	0	0	0	0	0	0	21	7	0	12	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	0	0	0	0	0	0	78	7	0	63	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	4	0	0	0	0	0	0	78	7	0	63	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	4	0	0	0	0	0	0	78	7	0	63	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	145	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	853	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	853	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	9.2	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.2			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Project

Intersection #10: Lake Village Drive/Project Driveway East

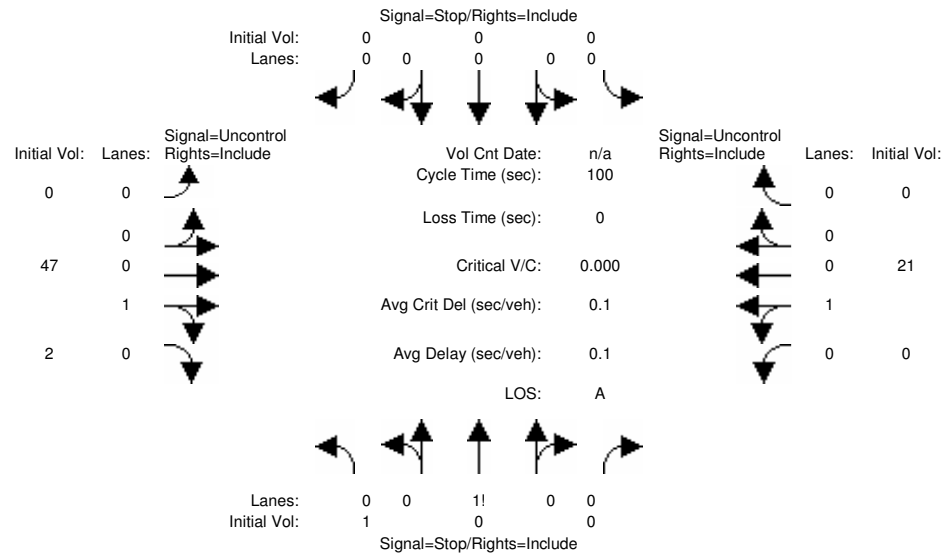


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	4	0	0	0	0	0	0	0	6	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	0	0	0	0	0	0	47	6	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	4	0	0	0	0	0	0	47	6	0	21	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	4	0	0	0	0	0	0	47	6	0	21	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	71	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	938	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	938	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	8.9	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	8.9			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 2026 Plus Alt 2

Intersection #10: Lake Village Drive/Project Driveway East

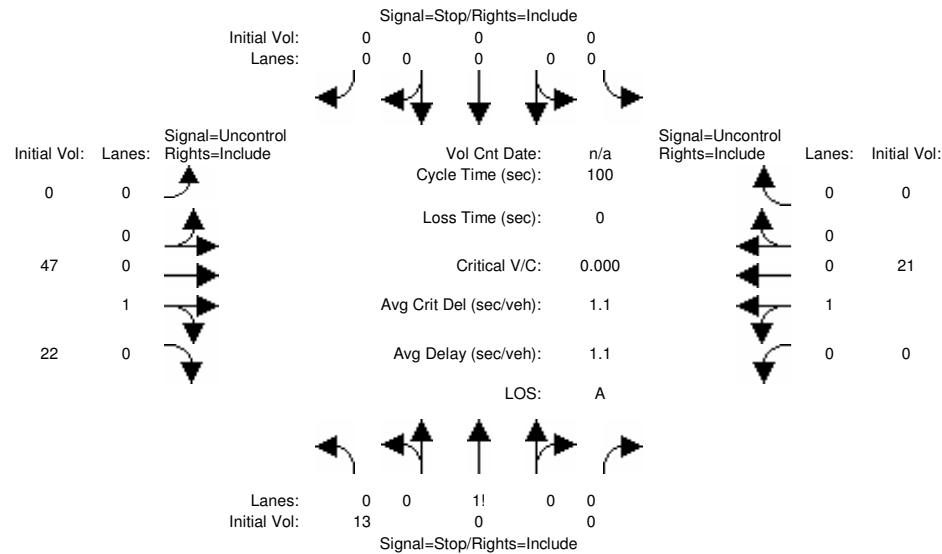


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	1	0	0	0	0	0	0	0	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	0	0	0	0	0	0	47	2	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	0	0	0	0	0	0	47	2	0	21	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	1	0	0	0	0	0	0	47	2	0	21	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	69	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	941	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	941	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.00	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	8.8	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	8.8			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
 2000 HCM Unsignalized (Future Volume Alternative)
 2026 Plus Alt 3

Intersection #10: Lake Village Drive/Project Driveway East

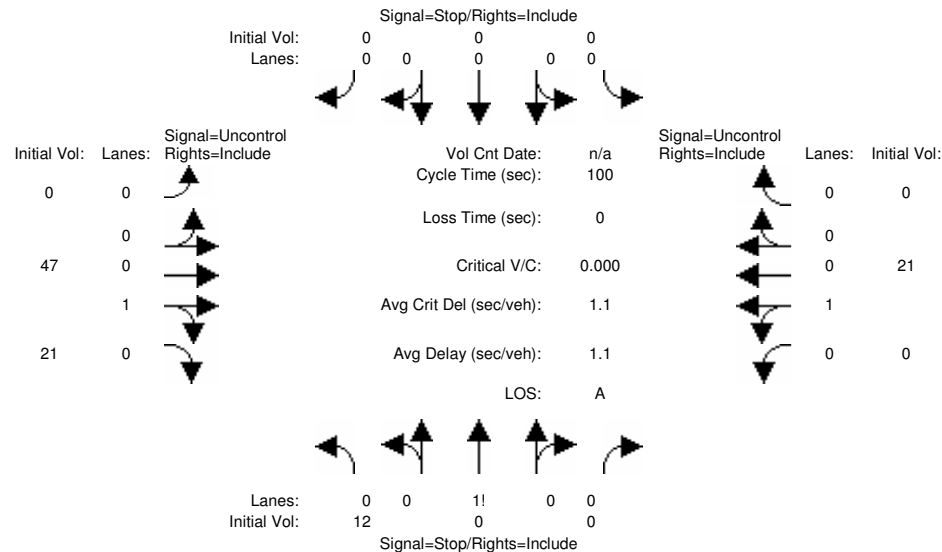


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	13	0	0	0	0	0	0	0	22	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	13	0	0	0	0	0	0	47	22	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	0	0	0	0	0	0	47	22	0	21	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	13	0	0	0	0	0	0	47	22	0	21	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	79	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	929	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	929	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	8.9	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	8.9			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Sierra Colina

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2026 Plus Alt 4

Intersection #10: Lake Village Drive/Project Driveway East



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	0	0	0	0	47	0	0	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	47	0	0	21	0
Added Vol:	12	0	0	0	0	0	0	0	21	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	12	0	0	0	0	0	0	47	21	0	21	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	12	0	0	0	0	0	0	47	21	0	21	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	12	0	0	0	0	0	0	47	21	0	21	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	79	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Potent Cap.:	929	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Move Cap.:	929	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Volume/Cap:	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
2Way95thQ:	0.0	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Control Del:	8.9	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
SharedQueue:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shrd ConDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	8.9			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	A			*			*			*		

Existing Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Minor Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	67
PHF=	0.85

Major Street	
Conflicting Traffic Volume (vph) =	2351
PHF=	0.95
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.583485
7
0.583485

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

Existing Plus Alternative 1 Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Minor Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	79
PHF=	0.85

Major Street	
Conflicting Traffic Volume (vph) =	2362
PHF=	0.95
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.744554
7
0.744554

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

Existing Plus Alternative 2 Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Minor Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	68
PHF=	0.85

Major Street	
Conflicting Traffic Volume (vph) =	2301
PHF=	0.95
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.58517
7
0.58517

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

Existing Plus Alternative 3 Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Minor Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	75
PHF=	0.85

Major Street	
Conflicting Traffic Volume (vph) =	2308
PHF=	0.95
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.677409
7
0.677409

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

Existing Plus Alternative 4 Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Minor Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	77
PHF=	0.85

Major Street	
Conflicting Traffic Volume (vph) =	2310
PHF=	0.95
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.705393
7
0.705393

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

Existing Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	35
PHF=	0.95

Major Street	
Conflicting Traffic Volume (vph) =	950
PHF=	0.95
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	2	vehicles
-------------------------	---	----------

Existing Plus Alternative 1 Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	46
PHF=	0.95

Major Street	
Conflicting Traffic Volume (vph) =	970
PHF=	0.95
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	3	vehicles
-------------------------	---	----------

Existing Plus Alternative 2 Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	36
PHF=	0.95

Major Street	
Conflicting Traffic Volume (vph) =	951
PHF=	0.95
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	2	vehicles
-------------------------	---	----------

Existing Plus Alternative 3 Conditions

Maximum Queue Estimation for: US 50/Lake Village Drive Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	43
PHF=	0.95

Major Street	
Conflicting Traffic Volume (vph) =	964
PHF=	0.95
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	3	vehicles
-------------------------	---	----------

Existing Plus Alternative 4 Conditions

**Maximum Queue Estimation for: US 50/Lake Village Drive
Major Street Left-Turn**

Input Data

Subject Approach	
Traffic Volume (vph) =	45
PHF=	0.95

Major Street	
Conflicting Traffic Volume (vph) =	968
PHF=	0.95
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	3	vehicles
-------------------------	---	----------

Maximum Queue Estimation for: **US 50/Lake Village** **Minor Street Left-Turn**

Input Data

Subject Approach	
Traffic Volume (vph) =	67
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	2357
PHF=	1
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.446315
 7
 0.446315

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

**Maximum Queue Estimation for: US 50/Lake Village
Minor Street Left-Turn**

Input Data

Subject Approach	
Traffic Volume (vph) =	79
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	2368
PHF=	1
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.563422
7
0.563422

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

Maximum Queue Estimation for: US 50/Lake Village Minor Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	68
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	2358
PHF=	1
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.455373
7
0.455373

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

**Maximum Queue Estimation for: US 50/Lake Village
Minor Street Left-Turn**

Input Data

Subject Approach	
Traffic Volume (vph) =	75
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	2365
PHF=	1
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.522437
7
0.522437

Estimated Maximum Queue	8 vehicles
-------------------------	------------

**Maximum Queue Estimation for:
Minor Street Left-Turn**

US 50/Lake Village

Input Data

Subject Approach	
Traffic Volume (vph) =	77
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	2367
PHF=	1
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

7.542775
7
0.542775

Estimated Maximum Queue	8	vehicles
-------------------------	---	----------

**Maximum Queue Estimation for: US 50/Lake Village
Major Street Left-Turn**

Input Data

Subject Approach	
Traffic Volume (vph) =	35
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	974
PHF=	1
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	2 vehicles
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Maximum Queue Estimation for: US 50/Lake Village Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	46
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	994
PHF=	1
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	3	vehicles
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Maximum Queue Estimation for: US 50/Lake Village Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	36
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	975
PHF=	1
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	2 vehicles
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Maximum Queue Estimation for: US 50/Lake Village Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	43
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	988
PHF=	1
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	3	vehicles
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Maximum Queue Estimation for: US 50/Lake Village Major Street Left-Turn

Input Data

Subject Approach	
Traffic Volume (vph) =	45
PHF=	1

Major Street	
Conflicting Traffic Volume (vph) =	992
PHF=	1
Conflicting Number of Through Lanes	
Posted Speed Limit (mph)=	45

Is a Traffic Signal Located on Major Street Within 1/4 mi of intersection? (Enter 1 if yes; 0 if no)	0
---	---

Output

Estimated Maximum Queue	3	vehicles
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