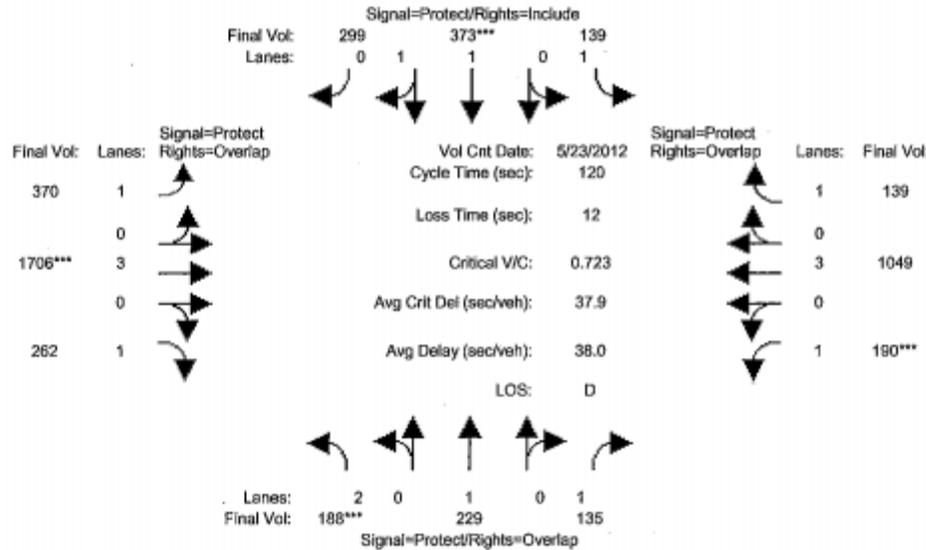


Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative No Project - PM

Intersection #1002: Bernardo Ave. & El Camino Real

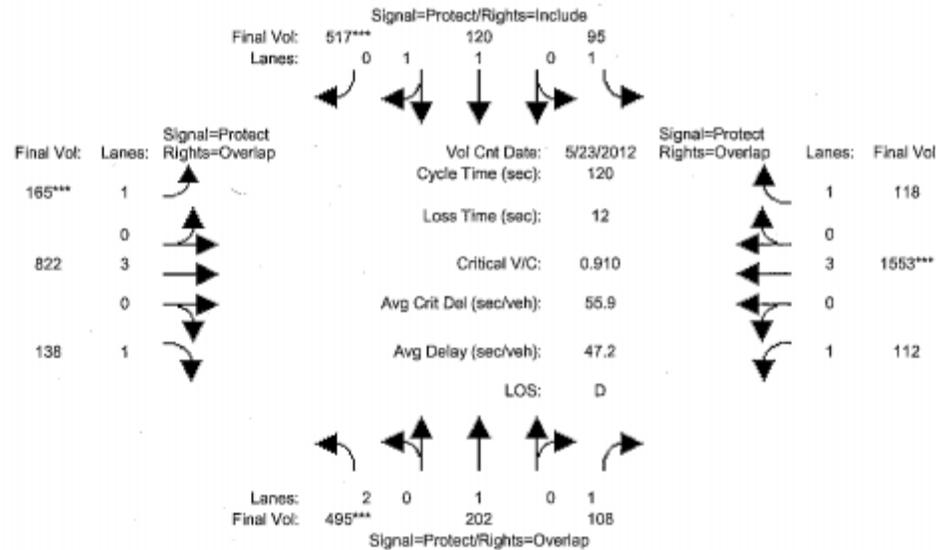


Street Name:	Bernardo Avenue						El Camino Real					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 5:00-6:00												
Base Vol:	149	182	107	110	296	237	311	1434	220	160	882	117
Growth Adj:	1.26	1.26	1.26	1.26	1.26	1.26	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	188	229	135	139	373	299	370	1706	262	190	1049	139
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:	188	229	135	139	373	299	370	1706	262	190	1049	139
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:	188	229	135	139	373	299	370	1706	262	190	1049	139
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	188	229	135	139	373	299	370	1706	262	190	1049	139
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:	188	229	135	139	373	299	370	1706	262	190	1049	139
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.00	1.00	1.00	1.07	0.93	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	1900	1750	1750	2033	1628	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.12	0.08	0.08	0.18	0.18	0.21	0.30	0.15	0.11	0.18	0.08
Crit Moves:	****				****			****			****	
Green/Cycle:	0.08	0.20	0.35	0.13	0.25	0.25	0.30	0.41	0.50	0.15	0.26	0.40
Volume/Cap:	0.72	0.59	0.22	0.59	0.72	0.72	0.70	0.72	0.30	0.72	0.70	0.20
Delay/Veh:	63.4	45.9	27.4	53.1	43.8	43.8	41.3	30.6	18.1	58.1	41.5	24.0
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:	63.4	45.9	27.4	53.1	43.8	43.8	41.3	30.6	18.1	58.1	41.5	24.0
LOS by Move:	E	D	C	D	D	D	D	C	B	E	D	C
HCM2kAvgQ:	108	189	90	151	323	323	315	421	145	186	291	87

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative No Project - AM

Intersection #1002: Bernardo Ave. & El Camino Real

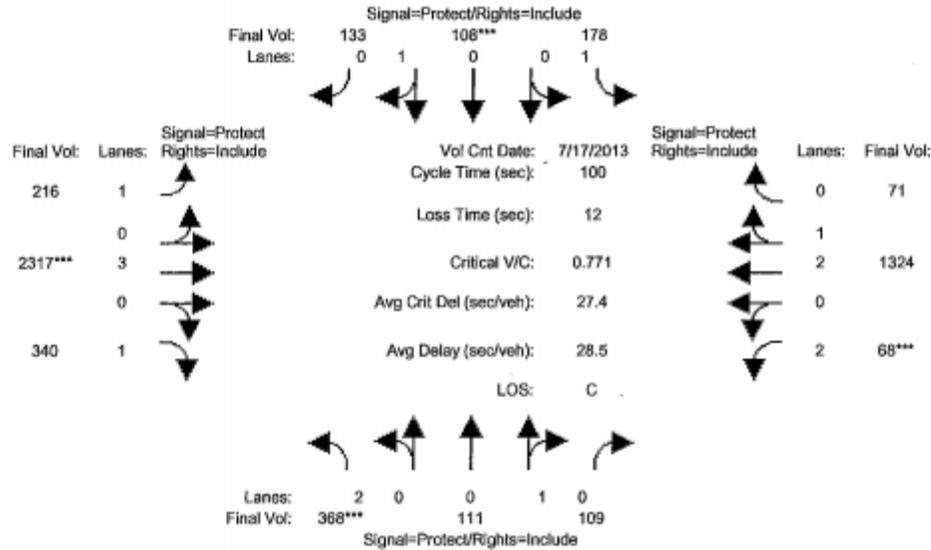


Street Name:	Bernardo Avenue						El Camino Real					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 8:00-9:00												
Base Vol:	395	161	86	76	96	413	135	674	113	92	1274	97
Growth Adj:	1.25	1.25	1.25	1.25	1.25	1.25	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	495	202	108	95	120	517	165	822	138	112	1553	118
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:	495	202	108	95	120	517	165	822	138	112	1553	118
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:	495	202	108	95	120	517	165	822	138	112	1553	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	495	202	108	95	120	517	165	822	138	112	1553	118
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:	495	202	108	95	120	517	165	822	138	112	1553	118
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	1900	1750	1750	1900	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.16	0.11	0.06	0.05	0.06	0.30	0.09	0.14	0.08	0.06	0.27	0.07
Crit Moves:	****					****	****			****		
Green/Cycle:	0.17	0.32	0.44	0.18	0.32	0.32	0.10	0.28	0.45	0.12	0.30	0.48
Volume/Cap:	0.91	0.33	0.14	0.31	0.19	0.91	0.91	0.52	0.17	0.52	0.91	0.14
Delay/Veh:	68.2	31.3	19.8	43.6	29.2	54.8	95.5	36.8	19.7	51.4	48.2	17.8
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:	68.2	31.3	19.8	43.6	29.2	54.8	95.5	36.8	19.7	51.4	48.2	17.8
LOS by Move:	E	C	B	D	C	D	F	D	B	D	D	B
HCM2kAvgQ:	307	135	61	86	78	589	190	206	78	103	503	63

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative No Project - PM

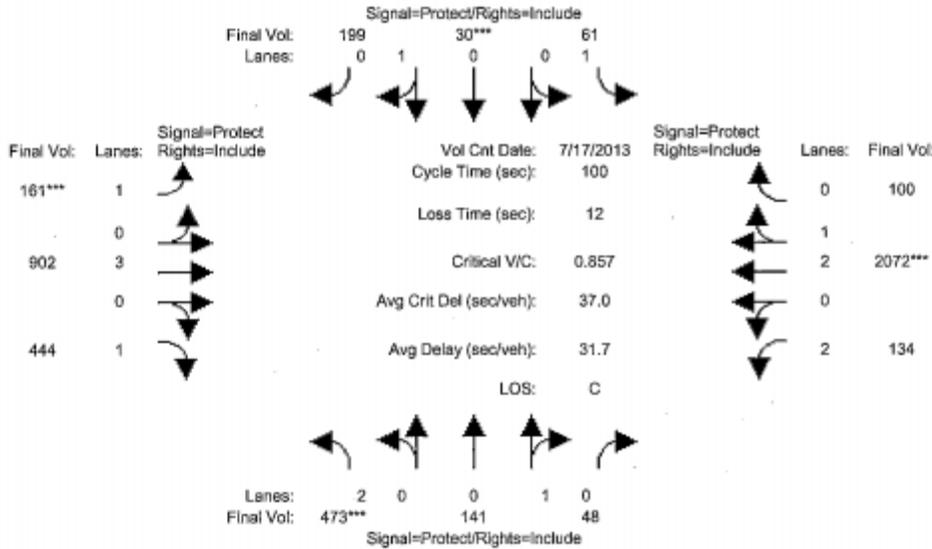
Intersection #1001: Sylvan Ave. & El Camino Real



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 17 Jul 2013 << 5:00 PM - 6:00 PM												
Base Vol:	350	106	104	169	103	127	182	1948	286	57	1113	60
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	368	111	109	178	108	133	216	2317	340	68	1324	71
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:	368	111	109	178	108	133	216	2317	340	68	1324	71
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:	368	111	109	178	108	133	216	2317	340	68	1324	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	368	111	109	178	108	133	216	2317	340	68	1324	71
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:	368	111	109	178	108	133	216	2317	340	68	1324	71
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.48	0.52	1.00	0.43	0.57	1.00	3.00	1.00	2.00	2.83	0.17
Final Sat.:	3150	920	903	1750	812	1002	1750	5700	1750	3150	5385	290
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.12	0.10	0.13	0.13	0.12	0.41	0.19	0.02	0.25	0.25
Crit Moves:	****			****			****			****		
Green/Cycle:	0.15	0.18	0.18	0.15	0.17	0.17	0.19	0.53	0.53	0.03	0.37	0.37
Volume/Cap:	0.77	0.69	0.69	0.69	0.77	0.77	0.67	0.77	0.37	0.77	0.67	0.67
Delay/Veh:	48.3	44.6	44.6	47.9	50.6	50.6	43.0	20.1	14.1	81.5	27.2	27.2
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:	48.3	44.6	44.6	47.9	50.6	50.6	43.0	20.1	14.1	81.5	27.2	27.2
LOS by Move:	D	D	D	D	D	D	D	C	B	F	C	C
HCM2kAvgQ:	212	197	197	174	233	233	156	439	153	34	290	290

Note: Queue reported is the distance per lane in feet.

Intersection #1001: Sylvan Ave. & El Camino Real



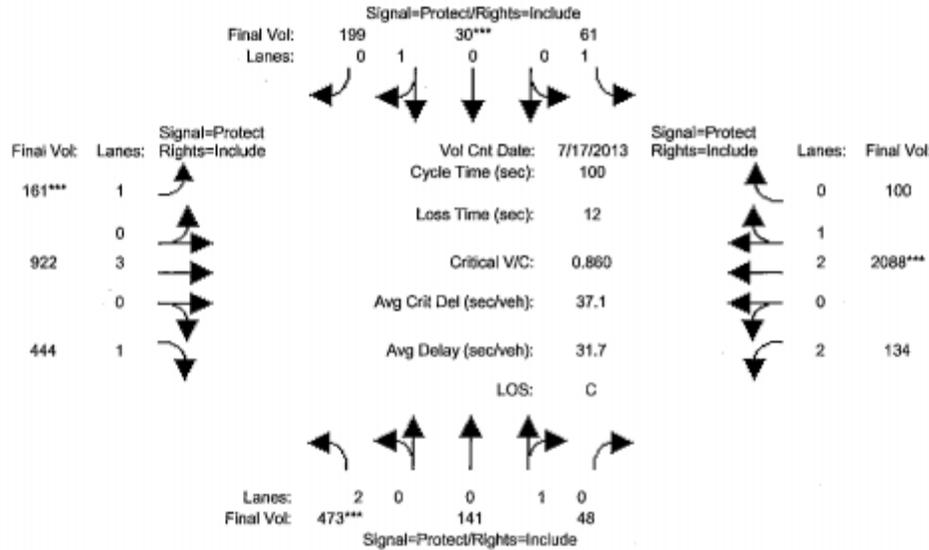
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 17 Jul 2013 << 8:00 AM - 9:00 AM												
Base Vol:	450	134	46	58	29	189	132	740	364	110	1700	82
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	473	141	48	61	30	199	161	902	444	134	2072	100
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:	473	141	48	61	30	199	161	902	444	134	2072	100
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:	473	141	48	61	30	199	161	902	444	134	2072	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	473	141	48	61	30	199	161	902	444	134	2072	100
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:	473	141	48	61	30	199	161	902	444	134	2072	100
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.73	0.27	1.00	0.12	0.88	1.00	3.00	1.00	2.00	2.85	0.15
Final Sat.:	3150	1384	475	1750	235	1533	1750	5700	1750	3150	5416	261
Capacity Analysis Module:												
Vol/Sat:	0.15	0.10	0.10	0.03	0.13	0.13	0.09	0.16	0.25	0.04	0.38	0.38
Crit Moves:	****				****		****				****	
Green/Cycle:	0.18	0.24	0.24	0.08	0.15	0.15	0.11	0.47	0.47	0.08	0.45	0.45
Volume/Cap:	0.86	0.42	0.42	0.42	0.86	0.86	0.86	0.33	0.53	0.53	0.86	0.86
Delay/Veh:	52.6	32.5	32.5	45.5	64.3	64.3	74.1	16.5	19.2	46.5	28.0	28.0
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:	52.6	32.5	32.5	45.5	64.3	64.3	74.1	16.5	19.2	46.5	28.0	28.0
LOS by Move:	D	C	C	D	E	E	E	B	B	D	C	C
HCM2kAvgQ:	285	131	131	61	255	255	151	139	255	56	480	480

Note: Queue reported is the distance per lane in feet.

Appendix H – Level of Service Worksheets: Cumulative plus Project Conditions

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1001: Sylvan Ave. & El Camino Real

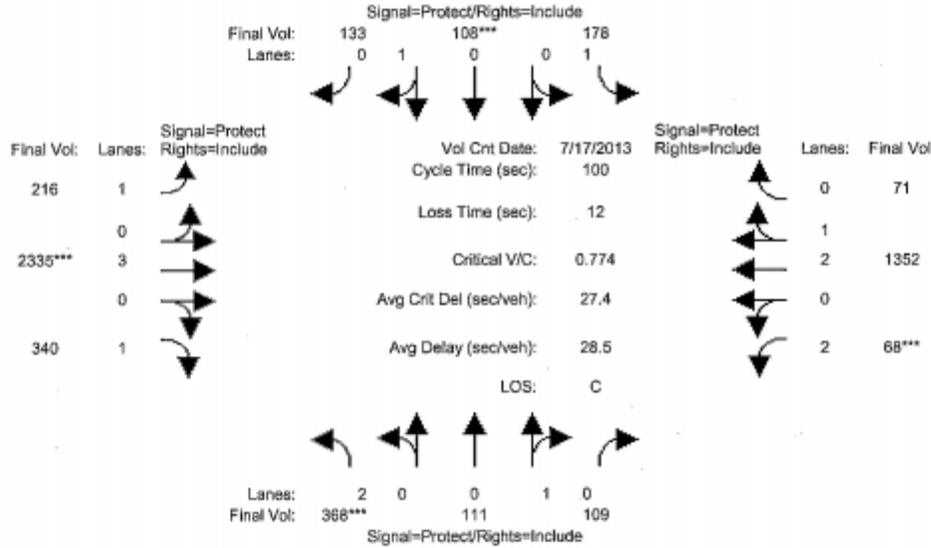


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date:	17 Jul 2013 << 8:00 AM - 9:00 AM											
Base Vol:	450	134	46	58	29	189	132	740	364	110	1700	82
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	473	141	48	61	30	199	161	902	444	134	2072	100
Added Vol:	0	0	0	0	0	0	0	20	0	0	16	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	473	141	48	61	30	199	161	922	444	134	2088	100
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:	473	141	48	61	30	199	161	922	444	134	2088	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	473	141	48	61	30	199	161	922	444	134	2088	100
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:	473	141	48	61	30	199	161	922	444	134	2088	100
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.73	0.27	1.00	0.12	0.88	1.00	3.00	1.00	2.00	2.85	0.15
Final Sat.:	3150	1384	475	1750	235	1533	1750	5700	1750	3150	5418	259
Capacity Analysis Module:												
Vol/Sat:	0.15	0.10	0.10	0.03	0.13	0.13	0.09	0.16	0.25	0.04	0.39	0.39
Crit Moves:	****			****			****			****		
Green/Cycle:	0.17	0.24	0.24	0.08	0.15	0.15	0.11	0.48	0.48	0.08	0.45	0.45
Volume/Cap:	0.86	0.42	0.42	0.42	0.86	0.86	0.86	0.34	0.53	0.53	0.86	0.86
Delay/Veh:	53.1	32.6	32.6	45.5	65.0	65.0	74.8	16.5	19.1	46.4	28.0	28.0
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:	53.1	32.6	32.6	45.5	65.0	65.0	74.8	16.5	19.1	46.4	28.0	28.0
LOS by Move:	D	C	C	D	E	E	E	B	B	D	C	C
HCM2kAvgQ:	286	131	131	61	256	256	151	143	255	56	481	481

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1001: Sylvan Ave. & El Camino Real

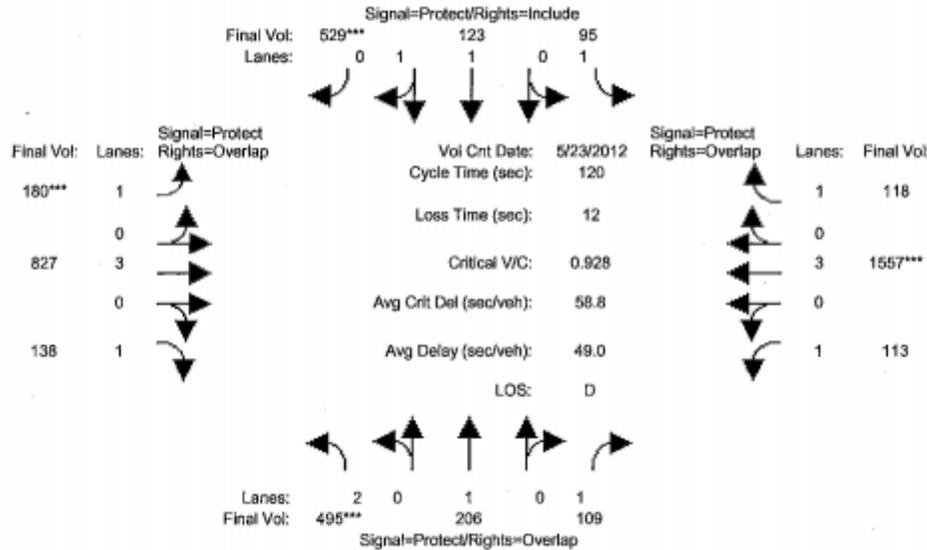


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 17 Jul 2013 << 5:00 PM - 6:00 PM												
Base Vol:	350	106	104	169	103	127	182	1948	286	57	1113	60
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	368	111	109	178	108	133	216	2317	340	68	1324	71
Added Vol:	0	0	0	0	0	0	0	18	0	0	28	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	368	111	109	178	108	133	216	2335	340	68	1352	71
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:	368	111	109	178	108	133	216	2335	340	68	1352	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	368	111	109	178	108	133	216	2335	340	68	1352	71
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:	368	111	109	178	108	133	216	2335	340	68	1352	71
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	0.48	0.52	1.00	0.43	0.57	1.00	3.00	1.00	2.00	2.84	0.16
Final Sat.:	3150	920	903	1750	812	1002	1750	5700	1750	3150	5391	285
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.12	0.10	0.13	0.13	0.12	0.41	0.19	0.02	0.25	0.25
Crit Moves:	****			****			****			****		
Green/Cycle:	0.15	0.18	0.18	0.15	0.17	0.17	0.18	0.53	0.53	0.03	0.37	0.37
Volume/Cap:	0.77	0.69	0.69	0.69	0.77	0.77	0.67	0.77	0.37	0.77	0.67	0.67
Delay/Veh:	48.6	44.9	44.9	48.1	51.0	51.0	43.5	20.1	14.0	82.3	27.1	27.1
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:	48.6	44.9	44.9	48.1	51.0	51.0	43.5	20.1	14.0	82.3	27.1	27.1
LOS by Move:	D	D	D	D	D	D	D	C	B	F	C	C
HCM2kAvgQ:	213	198	198	174	234	234	156	443	152	34	295	295

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1002: Bernardo Ave. & El Camino Real

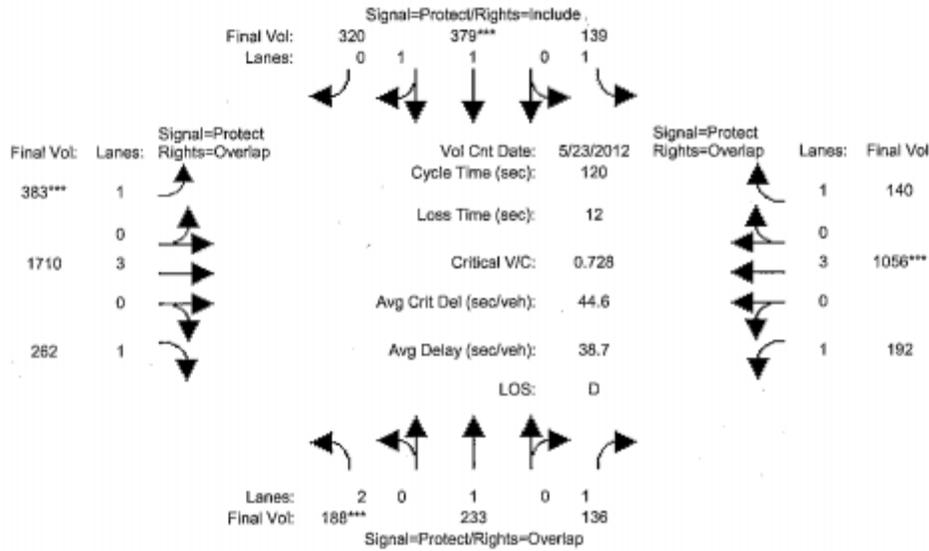


Street Name:	Bernardo Avenue						El Camino Real					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 8:00-9:00												
Base Vol:	395	161	86	76	96	413	135	674	113	92	1274	97
Growth Adj:	1.25	1.25	1.25	1.25	1.25	1.25	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	495	202	108	95	120	517	165	822	138	112	1553	118
Added Vol:	0	4	1	0	3	12	15	5	0	1	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	495	206	109	95	123	529	180	827	138	113	1557	118
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:	495	206	109	95	123	529	180	827	138	113	1557	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	495	206	109	95	123	529	180	827	138	113	1557	118
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:	495	206	109	95	123	529	180	827	138	113	1557	118
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	1900	1750	1750	1900	1750	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.16	0.11	0.06	0.05	0.06	0.30	0.10	0.15	0.08	0.06	0.27	0.07
Crit Moves:	****					****	****			****		
Green/Cycle:	0.17	0.32	0.45	0.17	0.33	0.33	0.11	0.28	0.45	0.12	0.29	0.47
Volume/Cap:	0.93	0.34	0.14	0.31	0.20	0.93	0.93	0.52	0.18	0.52	0.93	0.14
Delay/Veh:	71.8	31.3	19.7	44.0	29.2	57.7	97.6	36.7	19.9	51.3	50.6	18.3
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:	71.8	31.3	19.7	44.0	29.2	57.7	97.6	36.7	19.9	51.3	50.6	18.3
LOS by Move:	E	C	B	D	C	E	F	D	B	D	D	B
HCM2kAvgQ:	314	138	61	87	80	617	210	207	78	104	517	64

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1002: Bernardo Ave. & El Camino Real



Street Name:	Bernardo Avenue						El Camino Real					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module:	>> Count Date: 23 May 2012 << 5:00-6:00											
Base Vol:	149	182	107	110	296	237	311	1434	220	160	882	117
Growth Adj:	1.26	1.26	1.26	1.26	1.26	1.26	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	188	229	135	139	373	299	370	1706	262	190	1049	139
Added Vol:	0	4	1	0	6	21	13	4	0	2	7	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	188	233	136	139	379	320	383	1710	262	192	1056	140
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:	188	233	136	139	379	320	383	1710	262	192	1056	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	188	233	136	139	379	320	383	1710	262	192	1056	140
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:	188	233	136	139	379	320	383	1710	262	192	1056	140

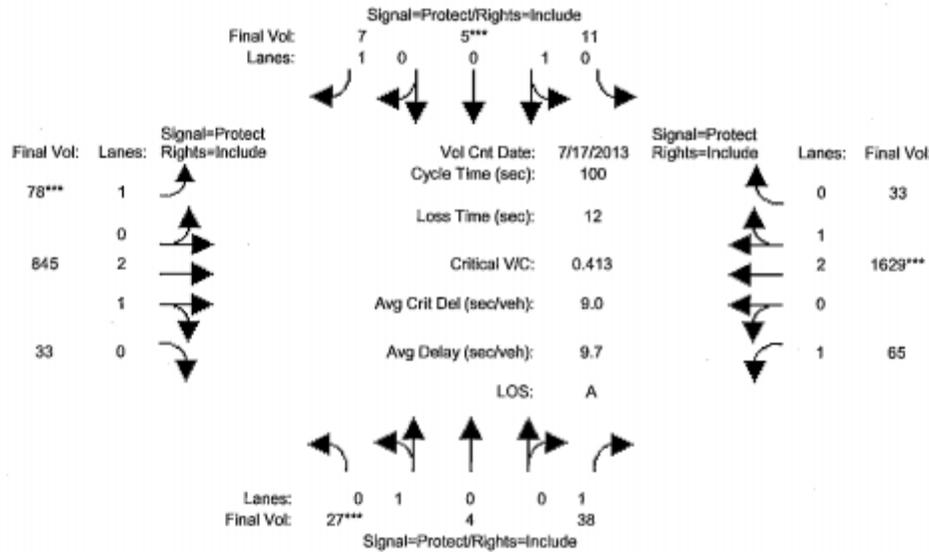
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.00	1.00	1.00	1.04	0.96	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	1900	1750	1750	1984	1673	1750	5700	1750	1750	5700	1750

Capacity Analysis Module:												
Vol/Sat:	0.06	0.12	0.08	0.08	0.19	0.19	0.22	0.30	0.15	0.11	0.19	0.08
Crit Moves:	****				****		****				****	
Green/Cycle:	0.08	0.21	0.36	0.14	0.26	0.26	0.30	0.41	0.49	0.15	0.25	0.39
Volume/Cap:	0.73	0.59	0.22	0.59	0.73	0.73	0.73	0.74	0.31	0.74	0.73	0.21
Delay/Veh:	63.7	45.0	27.0	52.5	43.2	43.2	42.6	31.5	18.7	59.4	42.8	24.4
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:	63.7	45.0	27.0	52.5	43.2	43.2	42.6	31.5	18.7	59.4	42.8	24.4
LOS by Move:	E	D	C	D	D	D	D	C	B	E	D	C
HCM2kAvgQ:	108	191	90	150	334	334	330	428	147	189	299	88

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1003: Grape Ave. & El Camino Real



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module:	>> Count Date: 17 Jul 2013 << 8:00 AM - 9:00 AM											
Base Vol:	26	4	36	11	5	7	64	688	27	44	1332	27
Growth Adj:	1.05	1.05	1.05	1.00	1.00	1.00	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	27	4	38	11	5	7	78	839	33	54	1624	33
Added Vol:	0	0	0	0	0	0	0	6	0	11	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	27	4	38	11	5	7	78	845	33	65	1629	33
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:	27	4	38	11	5	7	78	845	33	65	1629	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	4	38	11	5	7	78	845	33	65	1629	33
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:	27	4	38	11	5	7	78	845	33	65	1629	33

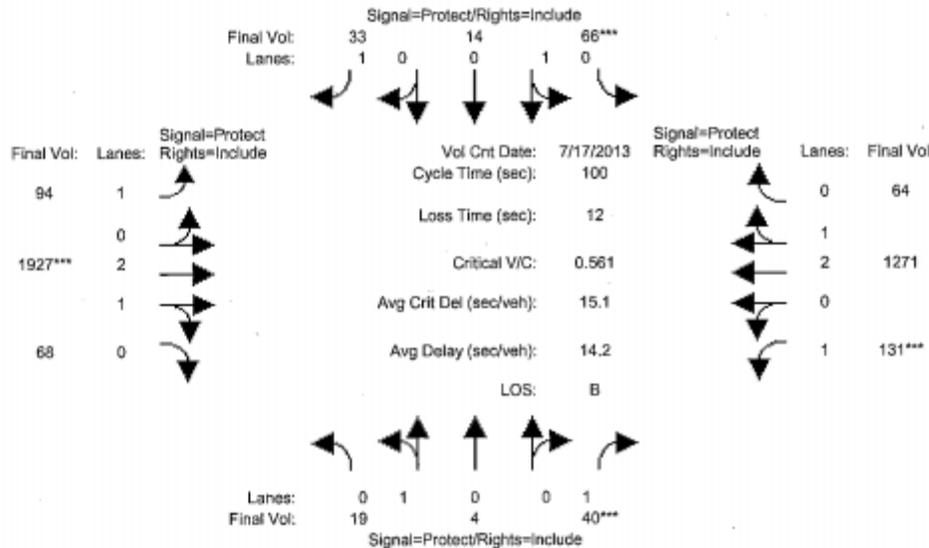
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.88	0.12	1.00	0.70	0.30	1.00	1.00	2.88	0.12	1.00	2.94	0.06
Final Sat.:	1533	236	1750	1234	561	1750	1750	5469	213	1750	5578	113

Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.01	0.01	0.00	0.04	0.15	0.15	0.04	0.29	0.29
Crit Moves:	****			****			****			****		
Green/Cycle:	0.04	0.05	0.05	0.02	0.02	0.02	0.11	0.66	0.66	0.16	0.71	0.71
Volume/Cap:	0.41	0.39	0.47	0.47	0.41	0.19	0.41	0.23	0.23	0.23	0.41	0.41
Delay/Veh:	50.2	49.4	50.8	58.5	55.3	50.4	43.1	7.0	7.0	37.3	6.1	6.1
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:	50.2	49.4	50.8	58.5	55.3	50.4	43.1	7.0	7.0	37.3	6.1	6.1
LOS by Move:	D	D	D	E	E	D	D	A	A	D	A	A
HCM2kAvgQ:	39	37	47	29	26	11	59	88	88	50	177	177

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1003: Grape Ave. & El Camino Real

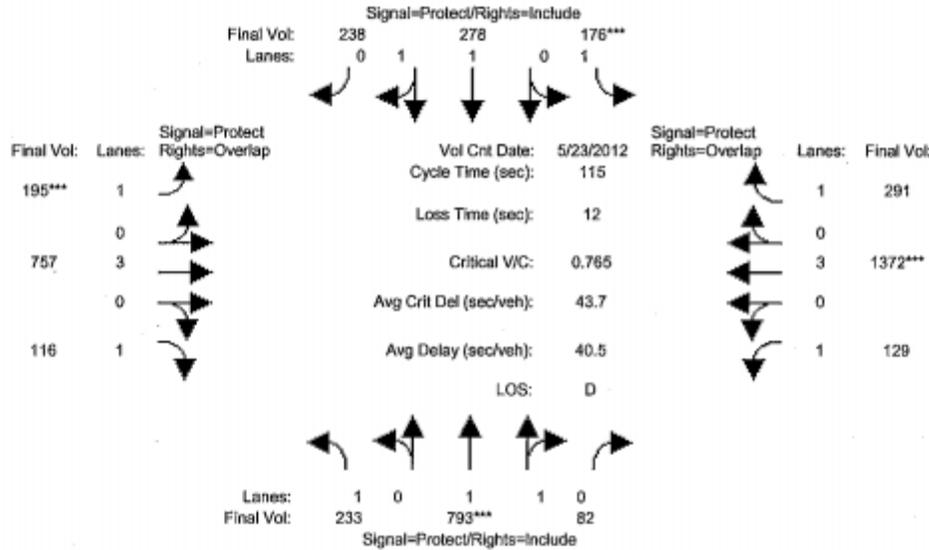


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date:	17 Jul 2013 << 5:00 PM - 6:00 PM											
Base Vol:	18	4	38	63	13	31	79	1615	57	93	1060	54
Growth Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	19	4	40	66	14	33	94	1921	68	111	1261	64
Added Vol:	0	0	0	0	0	0	0	6	0	20	10	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	19	4	40	66	14	33	94	1927	68	131	1271	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:	19	4	40	66	14	33	94	1927	68	131	1271	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	4	40	66	14	33	94	1927	68	131	1271	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:	19	4	40	66	14	33	94	1927	68	131	1271	64
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.83	0.17	1.00	0.84	0.16	1.00	1.00	2.89	0.11	1.00	2.84	0.16
Final Sat.:	1453	323	1750	1471	303	1750	1750	5490	193	1750	5403	273
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.05	0.05	0.02	0.05	0.35	0.35	0.07	0.24	0.24
Crit Moves:			****	****				****		****		
Green/Cycle:	0.03	0.04	0.04	0.08	0.09	0.09	0.14	0.63	0.63	0.13	0.62	0.62
Volume/Cap:	0.48	0.32	0.56	0.56	0.48	0.20	0.38	0.56	0.56	0.56	0.38	0.38
Delay/Veh:	55.3	49.2	56.8	49.3	45.2	42.4	40.0	11.0	11.0	43.7	9.6	9.6
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:	55.3	49.2	56.8	49.3	45.2	42.4	40.0	11.0	11.0	43.7	9.6	9.6
LOS by Move:	E	D	E	D	D	D	D	B	B	D	A	A
HCM2kAvgQ:	36	28	55	85	78	29	67	282	282	122	170	170

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1004: Mary Ave. & El Camino Real

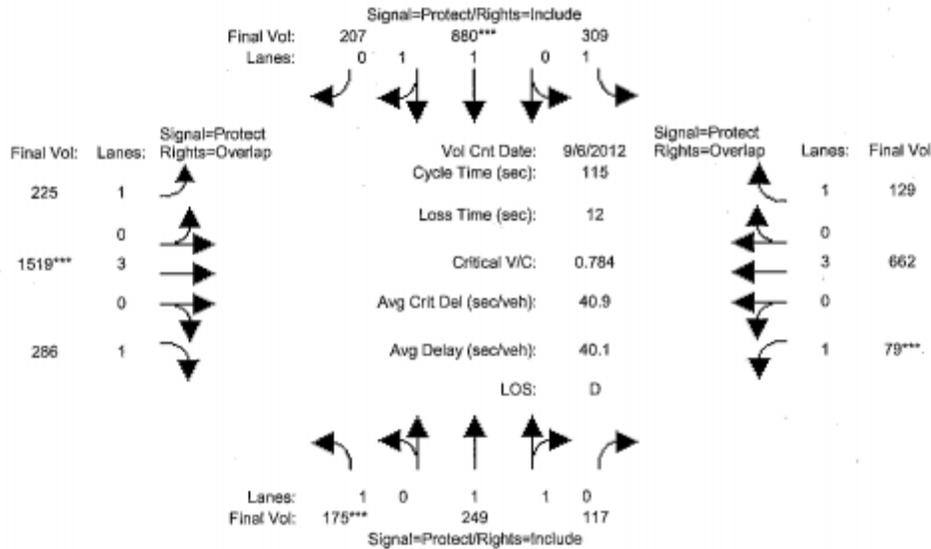


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 8-9												
Base Vol:	188	640	67	128	220	191	152	615	93	106	1118	218
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	229	780	82	156	268	233	185	750	113	129	1363	266
Added Vol:	4	13	0	20	10	5	10	7	3	0	9	25
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	233	793	82	176	278	238	195	757	116	129	1372	291
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:	233	793	82	176	278	238	195	757	116	129	1372	291
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	233	793	82	176	278	238	195	757	116	129	1372	291
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:	233	793	82	176	278	238	195	757	116	129	1372	291
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.80	0.20	1.00	1.04	0.96	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	3418	352	1750	1971	1685	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.13	0.23	0.23	0.10	0.14	0.14	0.11	0.13	0.07	0.07	0.24	0.17
Crit Moves:	****			****			****			****		
Green/Cycle:	0.21	0.30	0.30	0.13	0.22	0.22	0.15	0.30	0.51	0.16	0.31	0.45
Volume/Cap:	0.63	0.76	0.76	0.76	0.63	0.63	0.76	0.45	0.13	0.45	0.76	0.37
Delay/Veh:	49.2	41.2	41.2	69.4	44.0	44.0	66.6	33.7	15.3	48.3	38.7	22.5
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:	49.2	41.2	41.2	69.4	44.0	44.0	66.6	33.7	15.3	48.3	38.7	22.5
LOS by Move:	D	D	D	E	D	D	E	C	B	D	D	C
HCM2kAvgQ:	213	384	384	208	233	233	225	183	57	110	382	181

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1004: Mary Ave. & El Camino Real

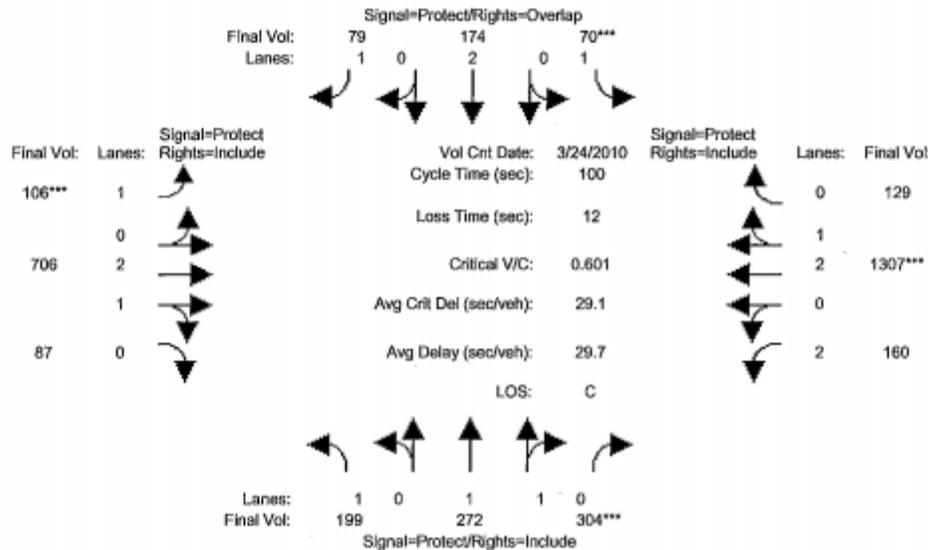


Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 6 Sep 2012 << not peak hour 5:00-6:00												
Base Vol:	144	200	98	230	725	171	179	1267	235	66	550	89
Growth Adj:	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	171	238	117	274	862	203	213	1507	280	79	654	106
Added Vol:	4	11	0	35	18	4	12	12	6	0	8	23
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	175	249	117	309	880	207	225	1519	286	79	662	129
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:	175	249	117	309	880	207	225	1519	286	79	662	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	175	249	117	309	880	207	225	1519	286	79	662	129
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:	175	249	117	309	880	207	225	1519	286	79	662	129
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.33	0.67	1.00	1.59	0.41	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	2519	1180	1750	3026	713	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.10	0.18	0.29	0.29	0.13	0.27	0.16	0.04	0.12	0.07
Crit Moves:	****				****			****			****	
Green/Cycle:	0.13	0.18	0.18	0.32	0.37	0.37	0.21	0.34	0.47	0.06	0.19	0.51
Volume/Cap:	0.79	0.55	0.55	0.55	0.79	0.79	0.61	0.79	0.35	0.74	0.61	0.15
Delay/Veh:	72.7	46.4	46.4	36.4	36.9	36.9	48.7	37.7	20.8	89.3	45.3	15.4
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:	72.7	46.4	46.4	36.4	36.9	36.9	48.7	37.7	20.8	89.3	45.3	15.4
LOS by Move:	E	D	D	D	D	D	D	D	C	F	D	B
HCM2kAvgQ:	182	154	154	251	472	472	214	443	172	83	184	64

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1005: Hollenbeck Ave. & El Camino Real



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module: >> Count Date: 24 Mar 2010 <<

Base Vol:	159	217	243	56	139	63	87	557	71	131	1044	106
Growth Adj:	1.25	1.25	1.25	1.25	1.25	1.25	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	199	272	304	70	174	79	106	679	87	160	1273	129
Added Vol:	0	0	0	0	0	0	0	27	0	0	34	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	199	272	304	70	174	79	106	706	87	160	1307	129
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:	199	272	304	70	174	79	106	706	87	160	1307	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	199	272	304	70	174	79	106	706	87	160	1307	129
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:	199	272	304	70	174	79	106	706	87	160	1307	129

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.65	0.35	2.00	2.71	0.29
Final Sat.:	1750	1900	1750	1750	3800	1750	1750	5030	617	3150	5147	509

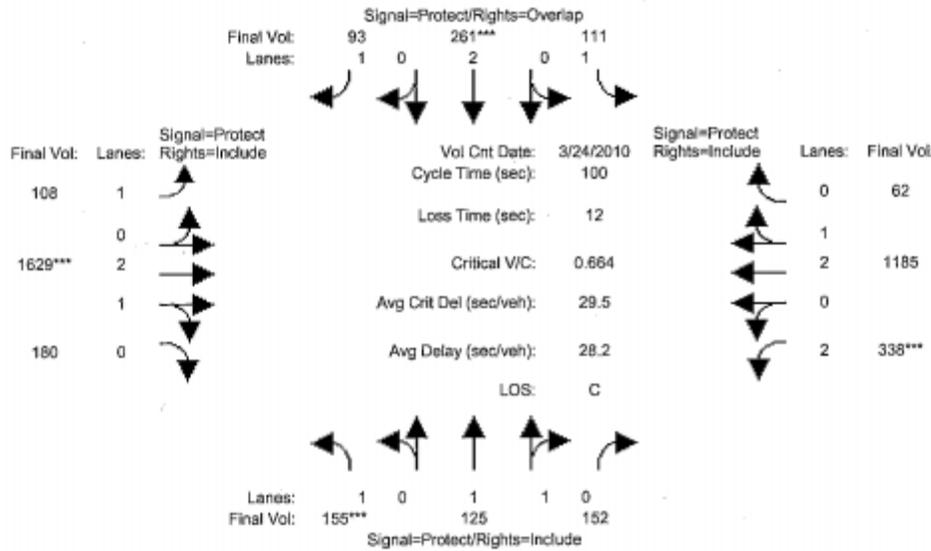
Capacity Analysis Module:

Vol/Sat:	0.11	0.14	0.17	0.04	0.05	0.05	0.06	0.14	0.14	0.05	0.25	0.25
Crit Moves:			****	****			****				****	
Green/Cycle:	0.19	0.29	0.29	0.07	0.17	0.27	0.10	0.35	0.35	0.17	0.42	0.42
Volume/Cap:	0.60	0.50	0.60	0.57	0.27	0.17	0.60	0.40	0.40	0.29	0.60	0.60
Delay/Veh:	44.6	31.1	33.5	63.1	37.4	28.8	57.5	25.3	25.3	37.3	23.6	23.6
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:	44.6	31.1	33.5	63.1	37.4	28.8	57.5	25.3	25.3	37.3	23.6	23.6
LOS by Move:	D	C	C	E	D	C	E	C	C	D	C	C
HCM2kAvgQ:	158	176	227	80	62	51	89	154	154	68	297	297

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1005: Hollenbeck Ave. & El Camino Real



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module: >> Count Date: 24 Mar 2010 <<

Base Vol:	123	99	121	88	207	74	91	1329	151	284	971	52
Growth Adj:	1.26	1.26	1.26	1.26	1.26	1.26	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	155	125	152	111	261	93	108	1581	180	338	1155	62
Added Vol:	0	0	0	0	0	0	0	48	0	0	30	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	155	125	152	111	261	93	108	1629	180	338	1185	62
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:	155	125	152	111	261	93	108	1629	180	338	1185	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	125	152	111	261	93	108	1629	180	338	1185	62
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:	155	125	152	111	261	93	108	1629	180	338	1185	62

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.68	0.32	2.00	2.84	0.16
Final Sat.:	1750	1900	1750	1750	3800	1750	1750	5091	561	3150	5394	282

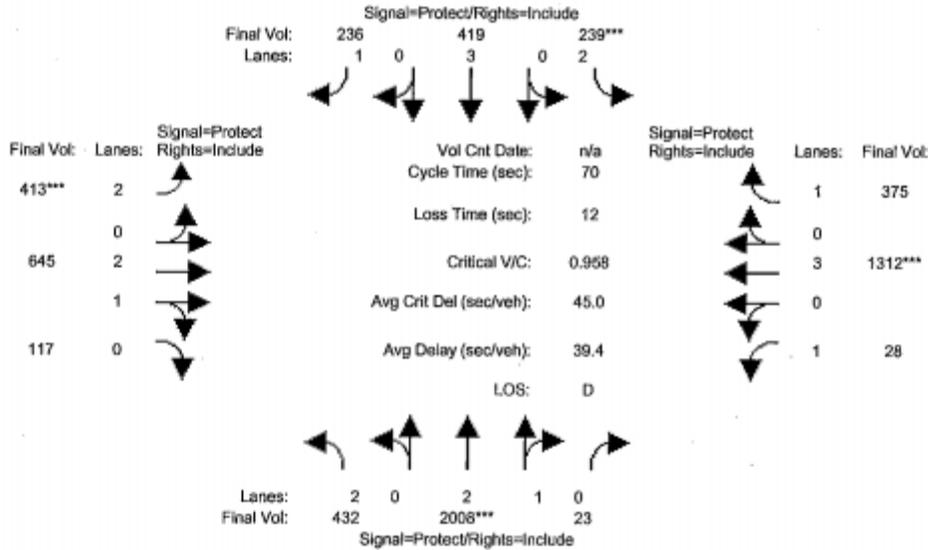
Capacity Analysis Module:

Vol/Sat:	0.09	0.07	0.09	0.06	0.07	0.05	0.06	0.32	0.32	0.11	0.22	0.22
Crit Moves:	****			****			****			****		
Green/Cycle:	0.13	0.14	0.14	0.10	0.10	0.26	0.16	0.48	0.48	0.16	0.49	0.49
Volume/Cap:	0.66	0.47	0.63	0.65	0.66	0.21	0.40	0.66	0.66	0.66	0.45	0.45
Delay/Veh:	55.2	42.3	47.1	61.1	51.7	30.0	42.3	21.0	21.0	46.1	17.3	17.3
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:	55.2	42.3	47.1	61.1	51.7	30.0	42.3	21.0	21.0	46.1	17.3	17.3
LOS by Move:	E	D	D	E	D	C	D	C	C	D	B	B
HCM2kAvgQ:	130	89	125	120	128	61	78	351	351	176	210	210

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1006: Mathilda Ave. & El Camino Real



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Volume Module:												
Base Vol:	342	1647	19	196	344	187	334	522	86	23	1067	308
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	417	2008	23	239	419	228	407	636	105	28	1301	375
Added Vol:	15	0	0	0	0	8	6	9	12	0	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	432	2008	23	239	419	236	413	645	117	28	1312	375
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:	432	2008	23	239	419	236	413	645	117	28	1312	375
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	432	2008	23	239	419	236	413	645	117	28	1312	375
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:	432	2008	23	239	419	236	413	645	117	28	1312	375

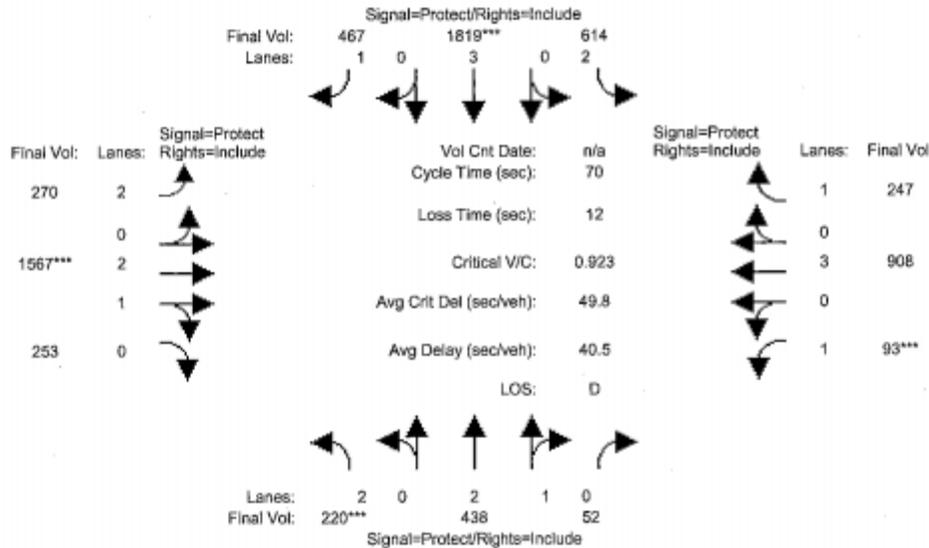
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.96	0.04	2.00	3.00	1.00	2.00	2.51	0.49	1.00	3.00	1.00
Final Sat.:	3150	5629	65	3150	5700	1750	3150	4764	862	1750	5700	1750

Capacity Analysis Module:												
Vol/Sat:	0.14	0.36	0.36	0.08	0.07	0.13	0.13	0.14	0.14	0.02	0.23	0.21
Crit Moves:	****			****			****				****	
Green/Cycle:	0.23	0.36	0.36	0.10	0.24	0.24	0.13	0.22	0.22	0.15	0.23	0.23
Volume/Cap:	0.61	0.99	0.99	0.76	0.31	0.57	0.99	0.63	0.63	0.11	0.99	0.92
Delay/Veh:	25.8	38.6	38.6	40.9	22.2	25.6	70.2	26.0	26.0	25.8	47.8	51.7
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:	25.8	38.6	38.6	40.9	22.2	25.6	70.2	26.0	26.0	25.8	47.8	51.7
LOS by Move:	C	D	D	D	C	C	E	C	C	C	D	D
HCM2kAvgQ:	127	470	470	125	67	142	255	153	153	14	307	253

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1006: Mathilda Ave. & El Camino Real

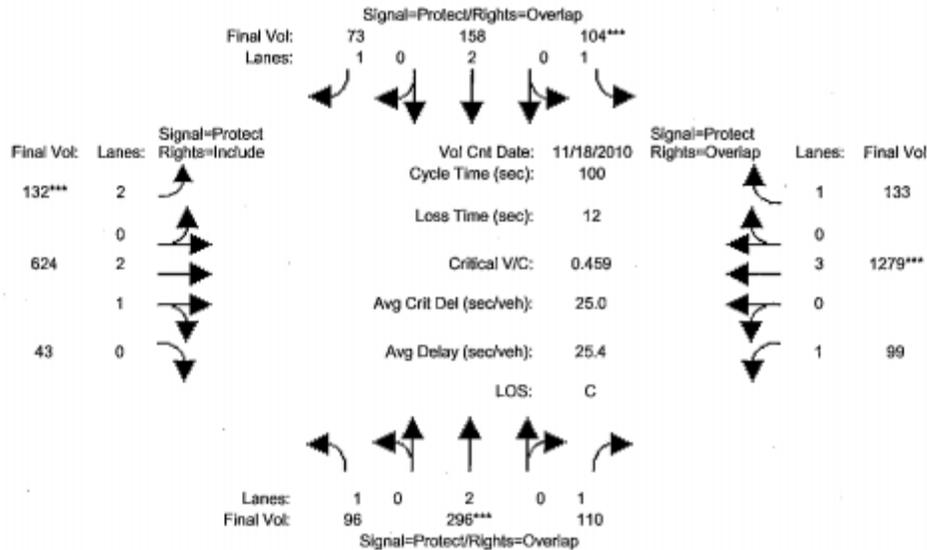


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Volume Module:												
Base Vol:	174	368	44	516	1529	387	218	1304	195	78	755	208
Growth Adj:	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	207	438	52	614	1819	460	259	1551	232	93	898	247
Added Vol:	13	0	0	0	0	7	11	16	21	0	10	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	220	438	52	614	1819	467	270	1567	253	93	908	247
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:	220	438	52	614	1819	467	270	1567	253	93	908	247
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	220	438	52	614	1819	467	270	1567	253	93	908	247
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:	220	438	52	614	1819	467	270	1567	253	93	908	247
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.66	0.34	2.00	3.00	1.00	2.00	2.55	0.45	1.00	3.00	1.00
Final Sat.:	3150	5045	603	3150	5700	1750	3150	4850	783	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.09	0.09	0.19	0.32	0.27	0.09	0.32	0.32	0.05	0.16	0.14
Crit Moves:	****				****			****		****		
Green/Cycle:	0.10	0.17	0.17	0.24	0.31	0.31	0.16	0.32	0.32	0.10	0.26	0.26
Volume/Cap:	0.70	0.50	0.50	0.82	1.02	0.86	0.53	1.02	1.02	0.53	0.62	0.55
Delay/Veh:	37.2	26.5	26.5	32.4	51.0	35.1	28.1	50.9	50.9	33.0	23.9	24.1
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:	37.2	26.5	26.5	32.4	51.0	35.1	28.1	50.9	50.9	33.0	23.9	24.1
LOS by Move:	D	C	C	C	D	D	C	D	D	C	C	C
HCM2kAvgQ:	74	80	80	255	533	337	100	539	539	52	144	124

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1007: Sunnysvale Ave. & El Camino Real

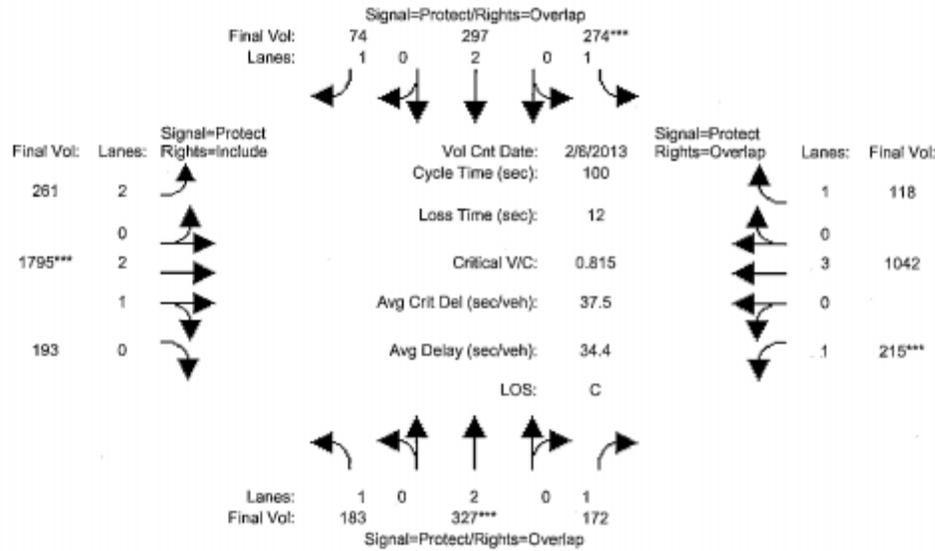


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 18 Nov 2010 <<												
Base Vol:	79	243	90	85	130	57	106	507	35	81	1043	109
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	96	296	110	104	158	69	129	618	43	99	1271	133
Added Vol:	0	0	0	0	0	4	3	6	0	0	8	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	296	110	104	158	73	132	624	43	99	1279	133
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:	96	296	110	104	158	73	132	624	43	99	1279	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	296	110	104	158	73	132	624	43	99	1279	133
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:	96	296	110	104	158	73	132	624	43	99	1279	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	2.00	2.79	0.21	1.00	3.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	3150	5306	363	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.08	0.06	0.06	0.04	0.04	0.04	0.12	0.12	0.06	0.22	0.08
Crit Moves:	****			****			****				****	
Green/Cycle:	0.12	0.17	0.39	0.13	0.18	0.27	0.09	0.36	0.36	0.22	0.49	0.62
Volume/Cap:	0.45	0.46	0.16	0.46	0.24	0.16	0.46	0.32	0.32	0.26	0.46	0.12
Delay/Veh:	47.3	39.7	20.6	46.9	36.3	28.7	48.3	23.3	23.3	34.2	17.4	8.1
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:	47.3	39.7	20.6	46.9	36.3	28.7	48.3	23.3	23.3	34.2	17.4	8.1
LOS by Move:	D	D	C	D	D	C	D	C	C	C	B	A
HCM2kAvgQ:	87	113	59	93	55	47	58	120	120	71	216	45

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

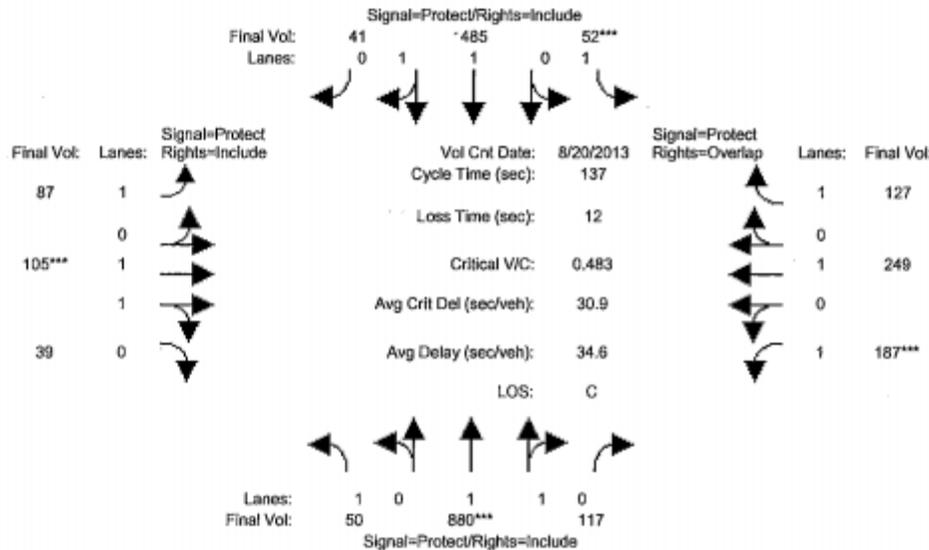
Intersection #1007: Sunnyvale Ave. & El Camino Real



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 6 Feb 2013 <<												
Base Vol:	154	275	145	230	250	60	215	1500	162	181	870	99
Growth Adj:	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	183	327	172	274	297	71	256	1784	193	215	1035	118
Added Vol:	0	0	0	0	0	3	5	11	0	0	7	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	183	327	172	274	297	74	261	1795	193	215	1042	118
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:	183	327	172	274	297	74	261	1795	193	215	1042	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	327	172	274	297	74	261	1795	193	215	1042	118
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:	183	327	172	274	297	74	261	1795	193	215	1042	118
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	2.00	2.69	0.31	1.00	3.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	3150	5105	548	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.09	0.10	0.16	0.08	0.04	0.08	0.35	0.35	0.12	0.18	0.07
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.11	0.26	0.19	0.15	0.33	0.18	0.43	0.43	0.15	0.40	0.59
Volume/Cap:	0.69	0.81	0.38	0.81	0.54	0.13	0.46	0.81	0.81	0.81	0.46	0.11
Delay/Veh:	53.7	60.2	33.1	57.9	43.4	24.1	39.1	28.0	28.0	64.5	22.6	9.1
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:	53.7	60.2	33.1	57.9	43.4	24.1	39.1	28.0	28.0	64.5	22.6	9.1
LOS by Move:	D	E	C	E	D	C	D	C	C	E	C	A
HCM2kAvgQ:	178	180	123	277	123	43	99	417	417	233	197	42
Note: Queue reported is the distance per lane in feet.												

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1008: Fair Oaks Ave. & Old San Francisco 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:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module:	>> Count Date: 20 Aug 2013 << 8:00 AM - 9:00 AM											
Base Vol:	41	722	96	43	398	33	69	82	31	149	196	101
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22	1.25	1.25	1.25	1.25	1.25	1.25
Initial Bse:	50	880	117	52	485	40	86	103	39	187	246	127
Added Vol:	0	0	0	0	0	1	1	2	0	0	3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	50	880	117	52	485	41	87	105	39	187	249	127
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:	50	880	117	52	485	41	87	105	39	187	249	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	880	117	52	485	41	87	105	39	187	249	127
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:	50	880	117	52	485	41	87	105	39	187	249	127

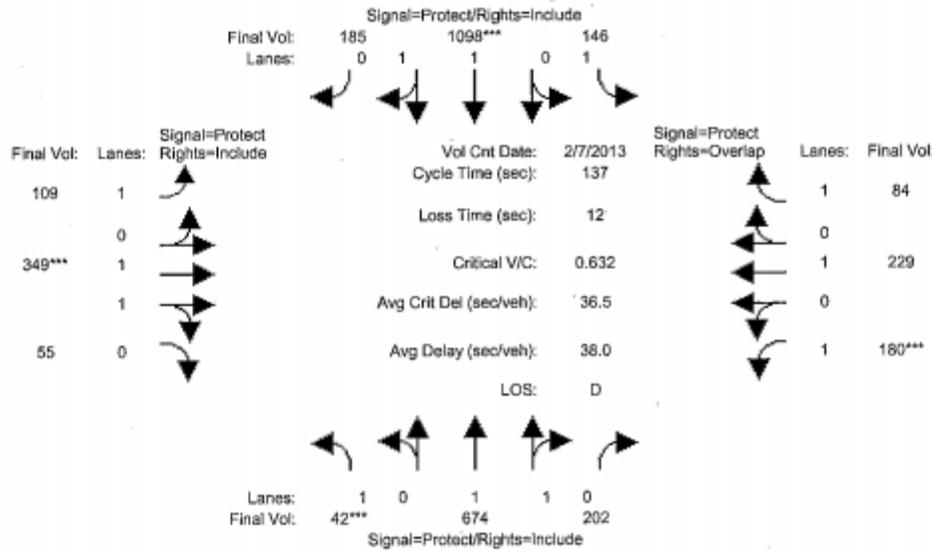
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.75	0.25	1.00	1.83	0.17	1.00	1.43	0.57	1.00	1.00	1.00
Final Sat.:	1750	3321	442	1750	3479	296	1750	2709	1005	1750	1900	1750

Capacity Analysis Module:												
Vol/Sat:	0.03	0.27	0.27	0.03	0.14	0.14	0.05	0.04	0.04	0.11	0.13	0.07
Crit Moves:	****			****			****			****		
Green/Cycle:	0.16	0.55	0.55	0.06	0.45	0.45	0.08	0.08	0.08	0.22	0.22	0.28
Volume/Cap:	0.17	0.48	0.48	0.48	0.31	0.31	0.59	0.48	0.48	0.48	0.60	0.26
Delay/Veh:	50.6	19.8	19.8	76.7	24.8	24.8	76.6	65.8	65.8	50.8	54.8	39.7
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:	50.6	19.8	19.8	76.7	24.8	24.8	76.6	65.8	65.8	50.8	54.8	39.7
LOS by Move:	D	B	B	E	C	C	E	E	E	D	D	D
HCM2kAvgQ:	48	330	330	60	177	177	118	88	88	191	249	110

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1008: Fair Oaks Ave. & Old San Francisco Rd.



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module:	>> Count Date: 7 Feb 2013 <<											
Base Vol:	35	567	170	123	923	155	86	274	44	143	179	67
Growth Adj:	1.19	1.19	1.19	1.19	1.19	1.19	1.26	1.26	1.26	1.26	1.26	1.26
Initial Bse:	42	674	202	146	1098	184	108	345	55	180	226	84
Added Vol:	0	0	0	0	0	1	1	4	0	0	3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	674	202	146	1098	185	109	349	55	180	229	84
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:	42	674	202	146	1098	185	109	349	55	180	229	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	674	202	146	1098	185	109	349	55	180	229	84
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:	42	674	202	146	1098	185	109	349	55	180	229	84

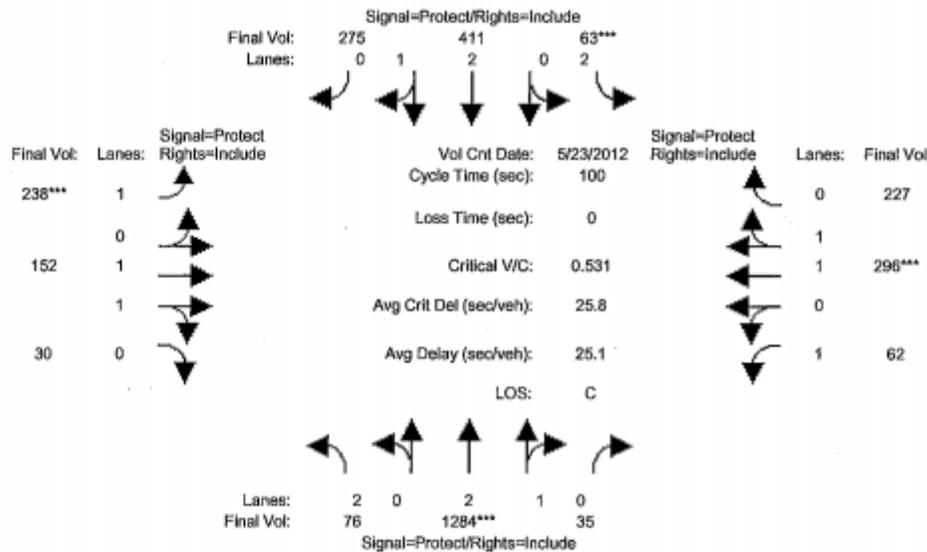
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.51	0.49	1.00	1.69	0.31	1.00	1.71	0.29	1.00	1.00	1.00
Final Sat.:	1750	2867	860	1750	3211	542	1750	3241	515	1750	1900	1750

Capacity Analysis Module:												
Vol/Sat:	0.02	0.24	0.24	0.08	0.34	0.34	0.06	0.11	0.11	0.10	0.12	0.05
Crit Moves:	****			****			****			****		
Green/Cycle:	0.05	0.43	0.43	0.15	0.53	0.53	0.11	0.17	0.17	0.16	0.22	0.37
Volume/Cap:	0.47	0.55	0.55	0.55	0.64	0.64	0.56	0.64	0.64	0.64	0.56	0.13
Delay/Veh:	79.6	30.4	30.4	61.4	24.3	24.3	68.5	58.1	58.1	64.6	53.2	29.1
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:	79.6	30.4	30.4	61.4	24.3	24.3	68.5	58.1	58.1	64.6	53.2	29.1
LOS by Move:	E	C	C	E	C	C	E	E	E	E	D	C
HCM2kAvgQ:	47	348	348	156	495	495	136	222	222	214	224	62

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1009: Mary Av & Evelyn Av



Street Name:	Mary Av						Evelyn Av					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module:	>> Count Date: 23 May 2012 << 8-9											
Base Vol:	62	1043	29	52	324	226	195	125	25	51	243	186
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	76	1271	35	63	395	275	238	152	30	62	296	227
Added Vol:	0	13	0	0	16	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	1284	35	63	411	275	238	152	30	62	296	227
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	1284	35	63	411	275	238	152	30	62	296	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	1284	35	63	411	275	238	152	30	62	296	227
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	1284	35	63	411	275	238	152	30	62	296	227

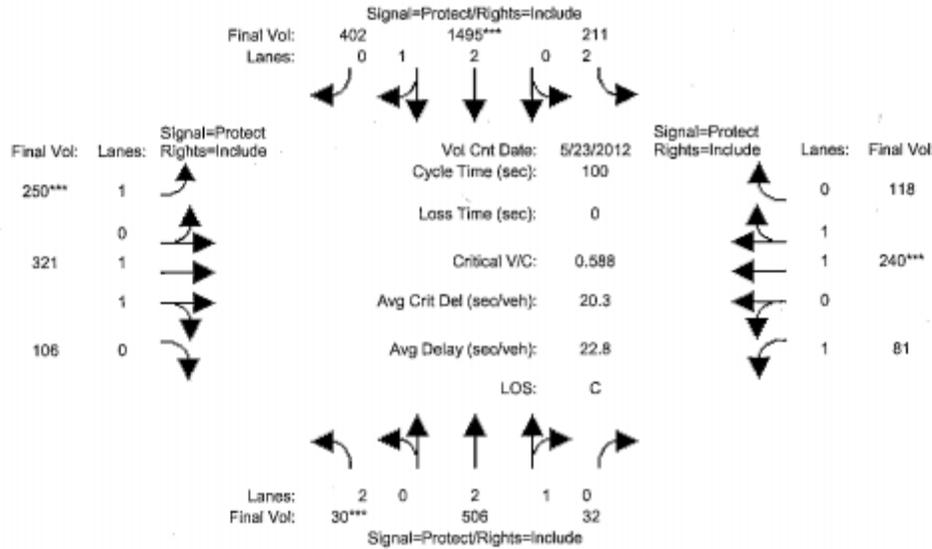
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.91	0.09	2.00	2.00	1.00	1.00	1.64	0.36	1.00	1.09	0.91
Final Sat.:	3150	5535	152	3150	3800	1750	1750	3122	624	1750	2075	1589

Capacity Analysis Module:												
Vol/Sat:	0.02	0.23	0.23	0.02	0.11	0.16	0.14	0.05	0.05	0.04	0.14	0.14
Crit Moves:	****			****			****			****		
Green/Cycle:	0.06	0.44	0.44	0.04	0.41	0.41	0.26	0.30	0.30	0.22	0.27	0.27
Volume/Cap:	0.38	0.53	0.53	0.53	0.26	0.38	0.53	0.16	0.16	0.16	0.53	0.53
Delay/Veh:	46.2	20.8	20.8	51.7	19.4	20.6	33.3	25.5	25.5	31.6	31.7	31.7
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:	46.2	20.8	20.8	51.7	19.4	20.6	33.3	25.5	25.5	31.6	31.7	31.7
LOS by Move:	D	C	C	D	B	C	C	C	C	C	C	C
HCM2kAvgQ:	45	252	252	30	99	153	165	49	49	40	174	174

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1009: Mary Av & Evelyn Av

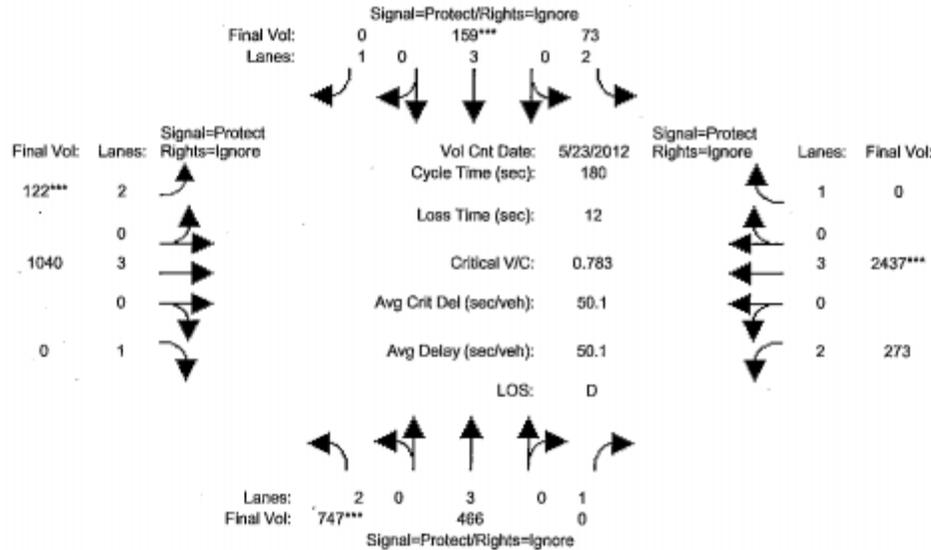


Street Name:	Mary Av						Evelyn Av					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:	>> Count Date: 23 May 2012 << 5-6											
Base Vol:	25	407	27	177	1245	338	210	270	89	68	202	99
Growth Adj:	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	30	484	32	211	1481	402	250	321	106	81	240	118
Added Vol:	0	22	0	0	14	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	30	506	32	211	1495	402	250	321	106	81	240	118
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:	30	506	32	211	1495	402	250	321	106	81	240	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	30	506	32	211	1495	402	250	321	106	81	240	118
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:	30	506	32	211	1495	402	250	321	106	81	240	118
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.81	0.19	2.00	2.32	0.68	1.00	1.47	0.53	1.00	1.31	0.69
Final Sat.:	3150	5333	338	3150	4412	1187	1750	2798	922	1750	2480	1216
Capacity Analysis Module:												
Vol/Sat:	0.01	0.09	0.09	0.07	0.34	0.34	0.14	0.11	0.11	0.05	0.10	0.10
Crit Moves:	****				****		****				****	
Green/Cycle:	0.02	0.35	0.35	0.24	0.58	0.58	0.24	0.29	0.29	0.12	0.16	0.16
Volume/Cap:	0.59	0.27	0.27	0.27	0.59	0.59	0.59	0.39	0.39	0.39	0.59	0.59
Delay/Veh:	65.7	23.6	23.6	30.8	13.9	13.9	35.6	28.7	28.7	42.1	40.1	40.1
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:	65.7	23.6	23.6	30.8	13.9	13.9	35.6	28.7	28.7	42.1	40.1	40.1
LOS by Move:	E	C	C	C	B	B	D	C	C	D	D	D
HCM2kAvgQ:	35	100	100	73	295	295	180	128	128	61	130	130

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1010: Mary Ave. & Central Expwy.

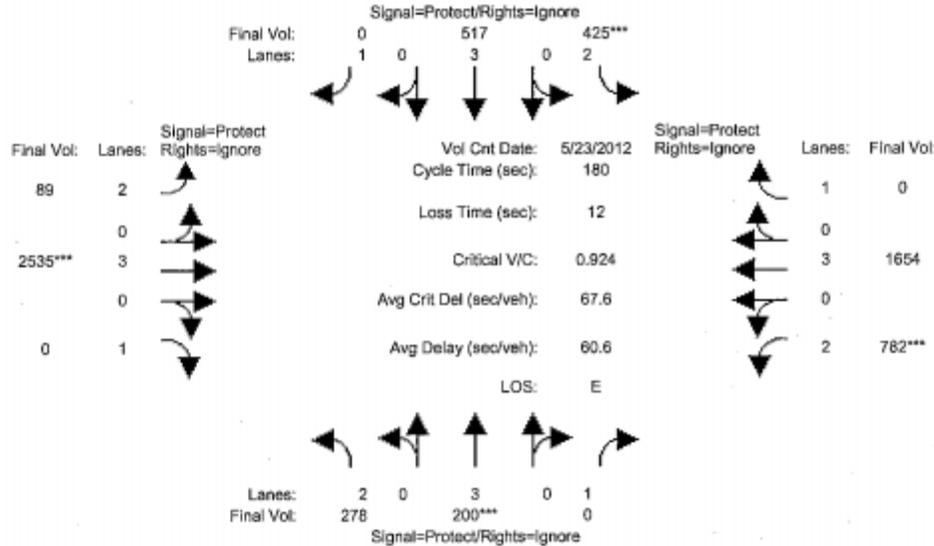


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	14	10	10	14	10	10	14	65	10	14	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 8-9												
Base Vol:	607	380	517	60	127	145	100	853	146	221	1999	156
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	740	463	630	73	155	177	122	1040	178	269	2437	190
Added Vol:	7	3	3	0	4	0	0	0	8	4	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Put:	747	466	633	73	159	177	122	1040	186	273	2437	190
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	747	466	0	73	159	0	122	1040	0	273	2437	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	747	466	0	73	159	0	122	1040	0	273	2437	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	747	466	0	73	159	0	122	1040	0	273	2437	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	5700	1750	3150	5700	1750	3150	5700	1750	3150	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.24	0.08	0.00	0.02	0.03	0.00	0.04	0.18	0.00	0.09	0.43	0.00
Crit Moves:	****			****			****			****		
Green/Cycle:	0.29	0.17	0.00	0.17	0.06	0.00	0.08	0.48	0.00	0.11	0.51	0.00
Volume/Cap:	0.83	0.47	0.00	0.14	0.50	0.00	0.50	0.38	0.00	0.76	0.83	0.00
Delay/Veh:	69.1	68.3	0.0	64.6	88.2	0.0	86.7	30.5	0.0	90.9	39.9	0.0
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:	69.1	68.3	0.0	64.6	88.2	0.0	86.7	30.5	0.0	90.9	39.9	0.0
LOS by Move:	E	E	A	E	F	A	F	C	A	F	D	A
HCM2kAvgQ:	621	190	0	50	73	0	100	303	0	257	963	0

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1010: Mary Ave. & Central Expwy.



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	14	10	10	14	10	10	14	65	10	14	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module:	>> Count Date: 23 May 2012 << 5-6											
Base Vol:	224	164	324	357	432	146	75	2131	795	655	1391	69
Growth Adj:	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	266	195	385	425	514	174	89	2535	946	779	1654	82
Added Vol:	12	5	5	0	3	0	0	0	8	3	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	278	200	390	425	517	174	89	2535	954	782	1654	82
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	278	200	0	425	517	0	89	2535	0	782	1654	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	278	200	0	425	517	0	89	2535	0	782	1654	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	278	200	0	425	517	0	89	2535	0	782	1654	0

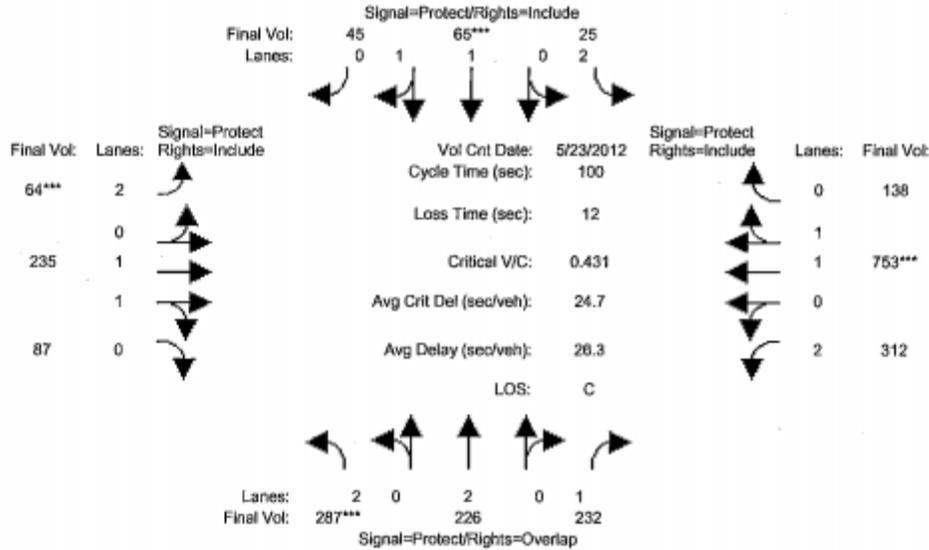
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	5700	1750	3150	5700	1750	3150	5700	1750	3150	5700	1750

Capacity Analysis Module:												
Vol/Sat:	0.09	0.04	0.00	0.13	0.09	0.00	0.03	0.44	0.00	0.25	0.29	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.10	0.06	0.00	0.14	0.10	0.00	0.16	0.47	0.00	0.26	0.58	0.00
Volume/Cap:	0.90	0.63	0.00	0.94	0.90	0.00	0.18	0.94	0.00	0.94	0.50	0.00
Delay/Veh:	111.7	92.4	0.0	106.7	100	0.0	66.9	53.6	0.0	85.1	23.0	0.0
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:	111.7	92.4	0.0	106.7	100	0.0	66.9	53.6	0.0	85.1	23.0	0.0
LOS by Move:	F	F	A	F	F	A	E	D	A	F	C	A
HCM2kAvgQ:	269	96	0	408	270	0	62	1238	0	730	433	0

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1011: Mary Ave. & Maude Ave.



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module: >> Count Date: 23 May 2012 << 8-9

Base Vol:	182	144	147	20	52	36	41	150	54	197	480	88
Growth Adj:	1.25	1.25	1.25	1.00	1.00	1.00	1.25	1.25	1.25	1.25	1.25	1.25
Initial Bse:	228	180	184	20	52	36	51	188	68	247	601	110
Added Vol:	1	0	1	0	0	0	0	0	2	2	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	229	180	185	20	52	36	51	188	70	249	601	110
User Adj:	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
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:	287	226	232	25	65	45	64	235	87	312	753	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	287	226	232	25	65	45	64	235	87	312	753	138
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:	287	226	232	25	65	45	64	235	87	312	753	138

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.14	0.86	2.00	1.43	0.57	2.00	1.67	0.33
Final Sat.:	3150	3800	1750	3150	2169	1502	3150	2710	1004	3150	3169	581

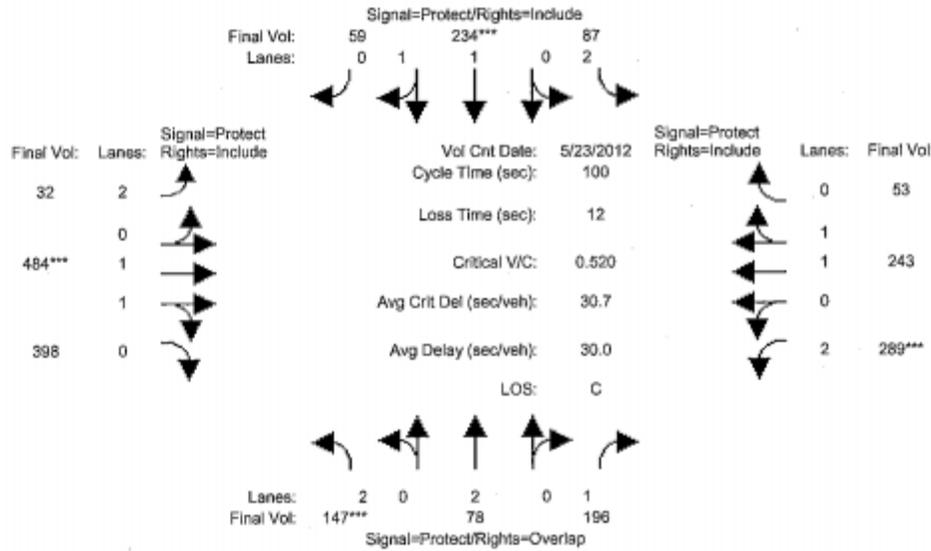
Capacity Analysis Module:

Vol/Sat:	0.09	0.06	0.13	0.01	0.03	0.03	0.02	0.09	0.09	0.10	0.24	0.24
Crit Moves:	****			****			****			****		
Green/Cycle:	0.20	0.17	0.46	0.12	0.10	0.10	0.07	0.29	0.29	0.29	0.51	0.51
Volume/Cap:	0.46	0.34	0.29	0.07	0.30	0.30	0.29	0.30	0.30	0.34	0.46	0.46
Delay/Veh:	38.0	37.6	17.4	39.2	43.8	43.8	47.5	28.1	28.1	29.0	16.3	16.3
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:	38.0	37.6	17.4	39.2	43.8	43.8	47.5	28.1	28.1	29.0	16.3	16.3
LOS by Move:	D	D	B	D	D	D	D	C	C	C	B	B
HCM2kAvgQ:	118	75	118	11	47	47	29	97	97	116	222	222

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1011: Mary Ave. & Maude Ave.



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module: >> Count Date: 23 May 2012 << 5-6

Base Vol:	114	62	153	69	186	47	25	384	314	228	193	42
Growth Adj:	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
Initial Bse:	144	78	193	87	234	59	32	484	396	287	243	53
Added Vol:	3	0	3	0	0	0	0	0	2	2	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	147	78	196	87	234	59	32	484	398	289	243	53
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:	147	78	196	87	234	59	32	484	398	289	243	53
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	147	78	196	87	234	59	32	484	398	289	243	53
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:	147	78	196	87	234	59	32	484	398	289	243	53

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.57	0.43	2.00	1.06	0.94	2.00	1.62	0.38
Final Sat.:	3150	3800	1750	3150	2982	753	3150	2008	1650	3150	3074	669

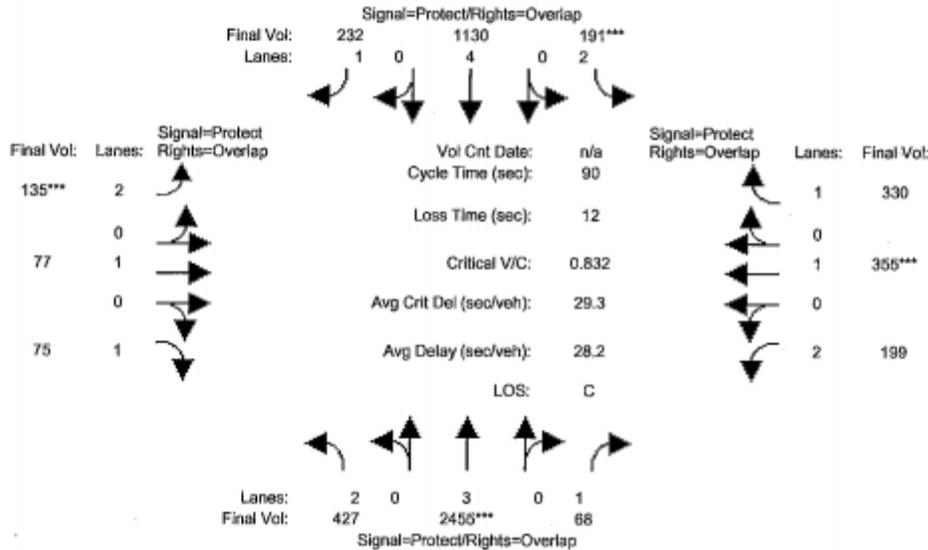
Capacity Analysis Module:

Vol/Sat:	0.05	0.02	0.11	0.03	0.08	0.08	0.01	0.24	0.24	0.09	0.08	0.08
Crit Moves:	****				****			****		****		
Green/Cycle:	0.09	0.14	0.32	0.10	0.15	0.15	0.26	0.46	0.46	0.18	0.38	0.38
Volume/Cap:	0.52	0.15	0.35	0.28	0.52	0.52	0.04	0.52	0.52	0.52	0.21	0.21
Delay/Veh:	50.2	38.2	27.9	44.0	42.5	42.5	27.5	20.1	20.1	40.8	21.5	21.5
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:	50.2	38.2	27.9	44.0	42.5	42.5	27.5	20.1	20.1	40.8	21.5	21.5
LOS by Move:	D	D	C	D	D	D	C	C	C	D	C	C
HCM2kAvgQ:	66	25	122	43	121	121	11	255	255	136	77	77

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1012: Mathilda Ave. & Maude Ave.



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Volume Module:												
Base Vol:	350	2011	56	157	923	190	108	61	60	159	282	263
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22	1.25	1.25	1.25	1.25	1.25	1.25
Initial Bse:	427	2451	68	191	1125	232	135	76	75	199	353	330
Added Vol:	0	4	0	0	5	0	0	1	0	0	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	427	2455	68	191	1130	232	135	77	75	199	355	330
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:	427	2455	68	191	1130	232	135	77	75	199	355	330
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	427	2455	68	191	1130	232	135	77	75	199	355	330
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:	427	2455	68	191	1130	232	135	77	75	199	355	330

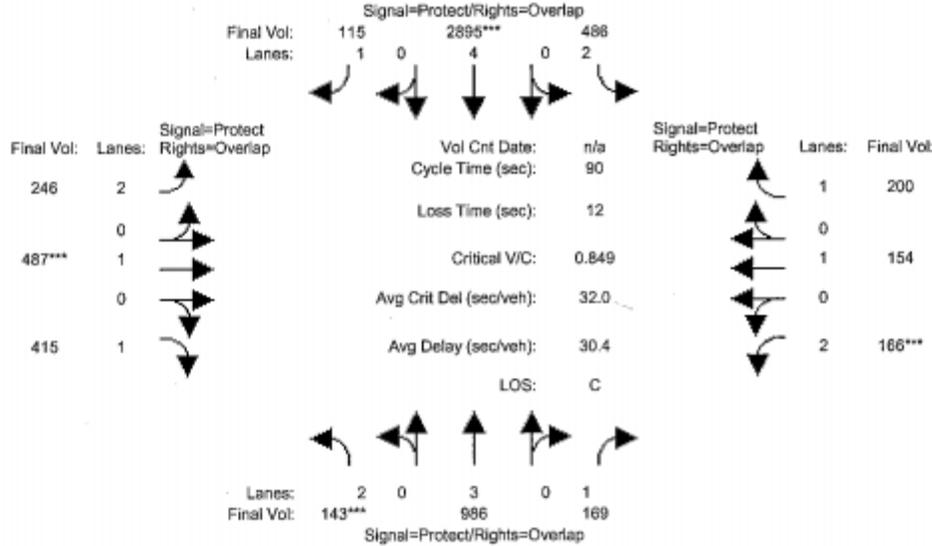
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150	5700	1750	3150	7600	1750	3150	1900	1750	3150	1900	1750

Capacity Analysis Module:												
Vol/Sat:	0.14	0.43	0.04	0.06	0.15	0.13	0.04	0.04	0.04	0.06	0.19	0.19
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.27	0.50	0.62	0.08	0.30	0.38	0.08	0.17	0.45	0.12	0.22	0.29
Volume/Cap:	0.50	0.87	0.06	0.78	0.50	0.35	0.55	0.24	0.10	0.52	0.87	0.64
Delay/Veh:	27.9	23.3	6.9	55.6	26.1	20.4	42.7	32.5	14.5	38.5	51.8	30.5
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:	27.9	23.3	6.9	55.6	26.1	20.4	42.7	32.5	14.5	38.5	51.8	30.5
LOS by Move:	C	C	A	E	C	C	D	C	B	D	D	C
HCM2kAvgQ:	159	578	20	85	155	119	76	49	32	78	266	216

Note: Queue reported is the distance per lane in feet.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1012: Mathilda Ave. & Maude Ave.



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Volume Module:												
Base Vol:	120	823	142	409	2431	97	195	384	329	132	121	159
Growth Adj:	1.19	1.19	1.19	1.19	1.19	1.19	1.26	1.26	1.26	1.26	1.26	1.26
Initial Bse:	143	979	169	486	2891	115	246	484	415	166	152	200
Added Vol:	0	7	0	0	4	0	0	3	0	0	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	143	986	169	486	2895	115	246	487	415	166	154	200
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:	143	986	169	486	2895	115	246	487	415	166	154	200
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	143	986	169	486	2895	115	246	487	415	166	154	200
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:	143	986	169	486	2895	115	246	487	415	166	154	200

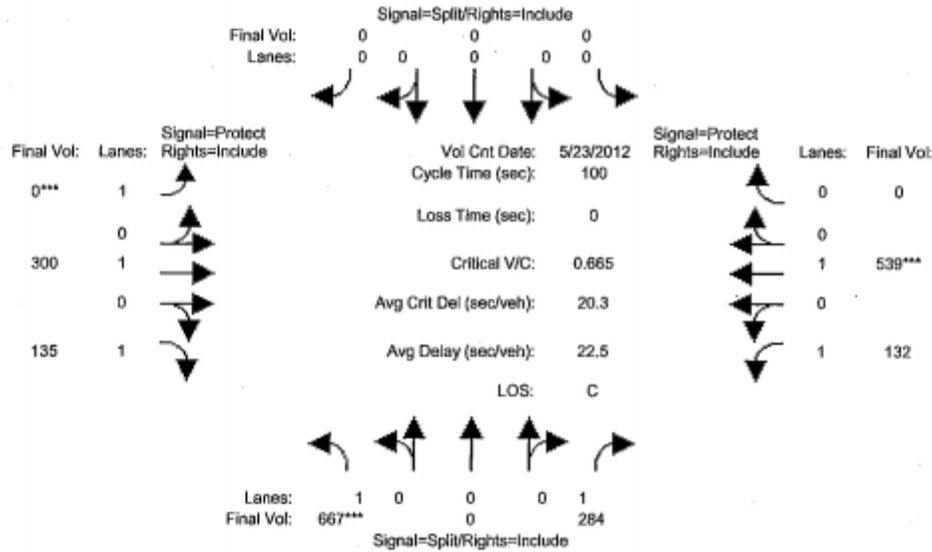
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150	5700	1750	3150	7600	1750	3150	1900	1750	3150	1900	1750

Capacity Analysis Module:												
Vol/Sat:	0.05	0.17	0.10	0.15	0.38	0.07	0.08	0.26	0.24	0.05	0.08	0.11
Crit Moves:	****			****			****			****		
Green/Cycle:	0.08	0.27	0.34	0.24	0.43	0.58	0.15	0.29	0.36	0.08	0.21	0.45
Volume/Cap:	0.58	0.65	0.28	0.65	0.90	0.11	0.52	0.90	0.65	0.68	0.38	0.25
Delay/Veh:	43.6	30.4	21.7	33.0	27.7	8.7	36.3	48.2	26.3	47.9	30.9	15.5
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:	43.6	30.4	21.7	33.0	27.7	8.7	36.3	48.2	26.3	47.9	30.9	15.5
LOS by Move:	D	C	C	C	C	A	D	D	C	D	C	B
HCM2kAvgQ:	82	226	93	176	477	37	111	418	279	70	88	89

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - AM

Intersection #1013: Bernardo Ave & Evelyn Ave



Street Name:	Bernardo Ave						Evelyn Ave					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Volume Module:	>> Count	Date:	23 May 2012	<< 8-9											
Base Vol:	424	0	181	0	0	0	0	202	90	89	363	0			
Growth Adj:	1.25	1.25	1.25	1.00	1.00	1.00	1.22	1.22	1.22	1.22	1.22	1.22			
Initial Bse:	531	0	227	0	0	0	0	246	110	108	442	0			
Added Vol:	1	0	0	0	0	0	0	0	1	0	0	0			
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0			
Initial Fut:	532	0	227	0	0	0	0	246	111	108	442	0			
User Adj:	1.25	1.25	1.25	1.00	1.00	1.00	1.22	1.22	1.22	1.22	1.22	1.22			
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:	667	0	284	0	0	0	0	300	135	132	539	0			
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0			
Reduced Vol:	667	0	284	0	0	0	0	300	135	132	539	0			
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:	667	0	284	0	0	0	0	300	135	132	539	0			

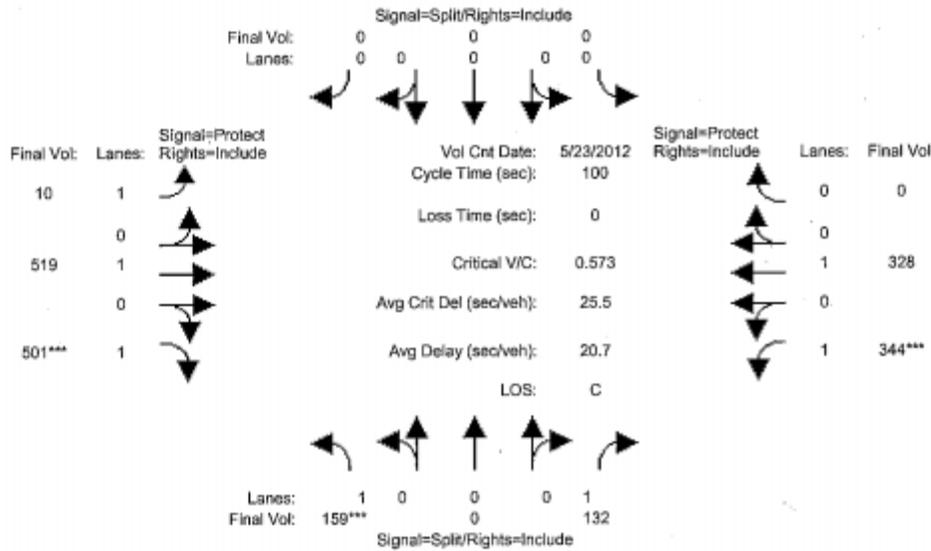
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1750	0	1750	0	0	0	1750	1900	1750	1750	1900	0

Capacity Analysis Module:												
Vol/Sat:	0.38	0.00	0.16	0.00	0.00	0.00	0.00	0.16	0.08	0.08	0.28	0.00
Crit Moves:	****						****			****		
Green/Cycle:	0.57	0.00	0.57	0.00	0.00	0.00	0.00	0.29	0.29	0.14	0.43	0.00
Volume/Cap:	0.66	0.00	0.28	0.00	0.00	0.00	0.00	0.55	0.27	0.55	0.66	0.00
Delay/Veh:	16.4	0.0	11.0	0.0	0.0	0.0	0.0	31.2	27.7	42.8	25.0	0.0
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:	16.4	0.0	11.0	0.0	0.0	0.0	0.0	31.2	27.7	42.8	25.0	0.0
LOS by Move:	B	A	B	A	A	A	A	C	C	D	C	A
HCM2kAvgQ:	394	0	119	0	0	0	0	205	87	101	326	0

Note: Queue reported is the distance per lane in feet.

Level of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative plus Project - PM

Intersection #1013: Bernardo Ave & Evelyn Ave



Street Name:	Bernardo Ave						Evelyn Ave					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 5:00-6:00												
Base Vol:	148	0	126	0	0	0	8	436	420	289	276	0
Growth Adj:	1.05	1.05	1.05	1.00	1.00	1.00	1.19	1.19	1.19	1.19	1.19	1.19
Initial Bse:	156	0	132	0	0	0	10	519	500	344	328	0
Added Vol:	3	0	0	0	0	0	0	0	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	159	0	132	0	0	0	10	519	501	344	328	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:	159	0	132	0	0	0	10	519	501	344	328	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	0	132	0	0	0	10	519	501	344	328	0
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:	159	0	132	0	0	0	10	519	501	344	328	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1750	0	1750	0	0	0	1750	1900	1750	1750	1900	0
Capacity Analysis Module:												
Vol/Sat:	0.09	0.00	0.08	0.00	0.00	0.00	0.01	0.27	0.29	0.20	0.17	0.00
Crit Moves:	****								****	****		
Green/Cycle:	0.16	0.00	0.16	0.00	0.00	0.00	0.03	0.50	0.50	0.34	0.82	0.00
Volume/Cap:	0.57	0.00	0.48	0.00	0.00	0.00	0.21	0.55	0.57	0.57	0.21	0.00
Delay/Veh:	41.9	0.0	39.6	0.0	0.0	0.0	50.1	17.9	18.5	28.2	2.1	0.0
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:	41.9	0.0	39.6	0.0	0.0	0.0	50.1	17.9	18.5	28.2	2.1	0.0
LOS by Move:	D	A	D	A	A	A	D	B	B	C	A	A
HCM2kAvgQ:	142	0	113	0	0	0	13	278	297	227	56	0

Note: Queue reported is the distance per lane in feet.