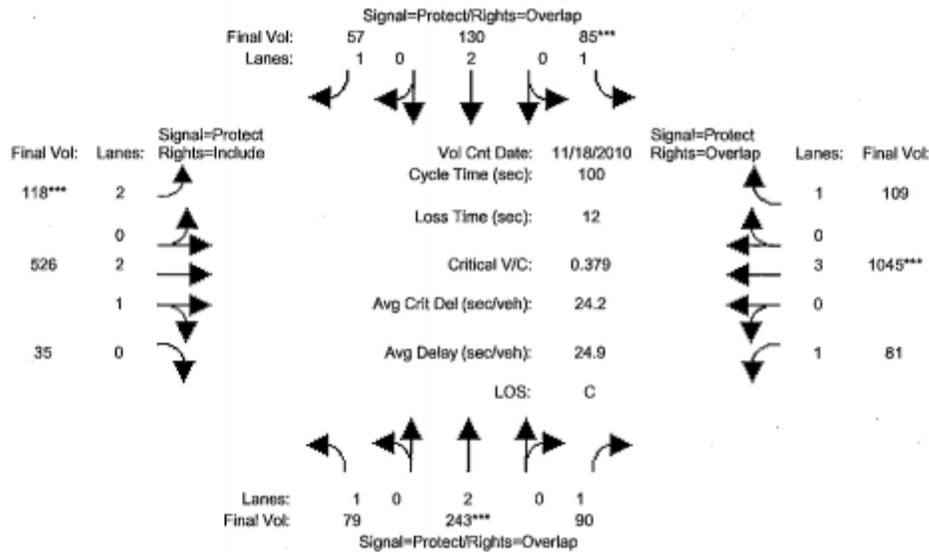


Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Background plus Project - AM

Intersection #1007: Sunnyvale 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: 18 Nov 2010 <<

Base Vol:	79	243	90	85	130	57	106	507	35	81	1043	109
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:	79	243	90	85	130	57	106	507	35	81	1043	109
Added Vol:	0	0	0	0	0	0	12	19	0	0	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	79	243	90	85	130	57	118	526	35	81	1045	109
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:	79	243	90	85	130	57	118	526	35	81	1045	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	243	90	85	130	57	118	526	35	81	1045	109
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:	79	243	90	85	130	57	118	526	35	81	1045	109

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	2.80	0.20	1.00	3.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	3150	5316	354	1750	5700	1750

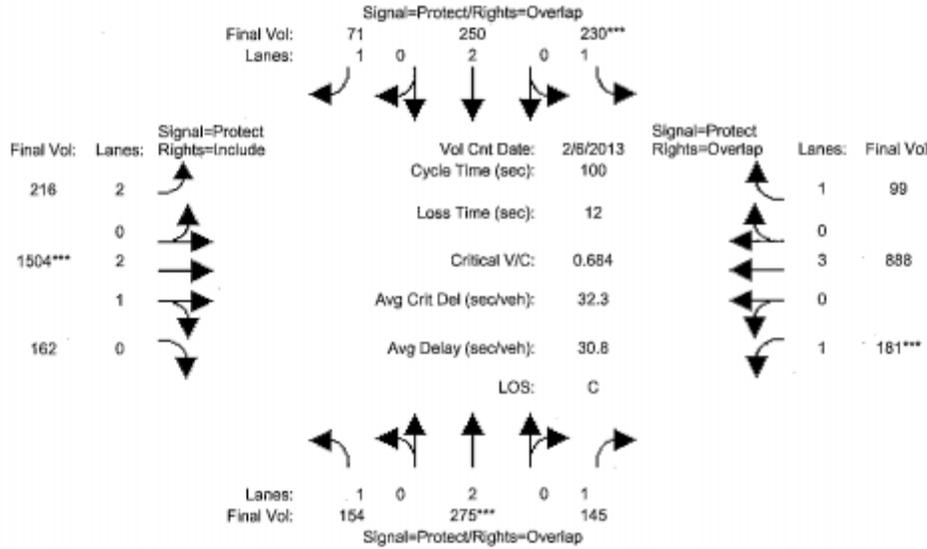
Capacity Analysis Module:

Vol/Sat:	0.05	0.06	0.05	0.05	0.03	0.03	0.04	0.10	0.10	0.05	0.18	0.06
Crit Moves:	****			****			****				****	
Green/Cycle:	0.12	0.17	0.41	0.13	0.17	0.27	0.10	0.34	0.34	0.24	0.48	0.61
Volume/Cap:	0.37	0.38	0.13	0.38	0.20	0.12	0.38	0.29	0.29	0.19	0.38	0.10
Delay/Veh:	45.2	38.6	18.8	44.7	35.9	27.8	45.7	24.3	24.3	31.3	16.7	8.2
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:	45.2	38.6	18.8	44.7	35.9	27.8	45.7	24.3	24.3	31.3	16.7	8.2
LOS by Move:	D	D	B	D	D	C	D	C	C	C	B	A
HCM2kAvgQ:	69	90	46	74	45	36	51	102	102	55	168	37

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

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

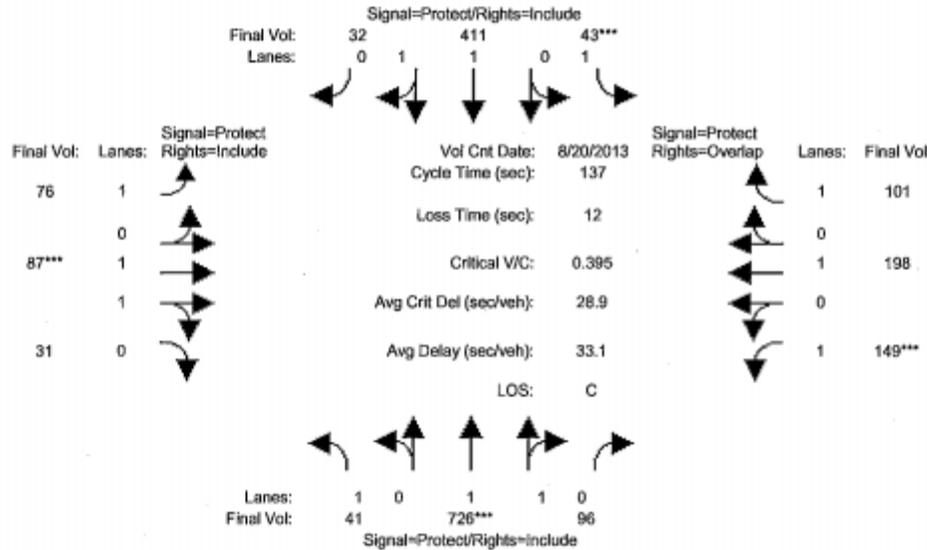
Intersection #1007: Sunnyvale Ave. & El Camino Real



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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	154	275	145	230	250	60	215	1500	162	181	870	99
Added Vol:	0	0	0	0	0	11	1	4	0	0	18	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	154	275	145	230	250	71	216	1504	162	181	888	99
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:	154	275	145	230	250	71	216	1504	162	181	888	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	154	275	145	230	250	71	216	1504	162	181	888	99
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:	154	275	145	230	250	71	216	1504	162	181	888	99
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	5103	550	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.07	0.08	0.13	0.07	0.04	0.07	0.29	0.29	0.10	0.16	0.06
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.14	0.11	0.26	0.19	0.16	0.34	0.18	0.43	0.43	0.15	0.40	0.59
Volume/Cap:	0.63	0.68	0.32	0.68	0.42	0.12	0.38	0.68	0.68	0.68	0.39	0.10
Delay/Veh:	52.4	52.2	32.0	48.3	40.0	23.2	38.0	24.5	24.5	53.6	21.7	8.9
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:	52.4	52.2	32.0	48.3	40.0	23.2	38.0	24.5	24.5	53.6	21.7	8.9
LOS by Move:	D	D	C	D	D	C	D	C	C	D	C	A
HCM2kAvgQ:	148	136	100	209	95	40	81	322	322	176	161	35
Note: Queue reported is the distance per lane in feet.												

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

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

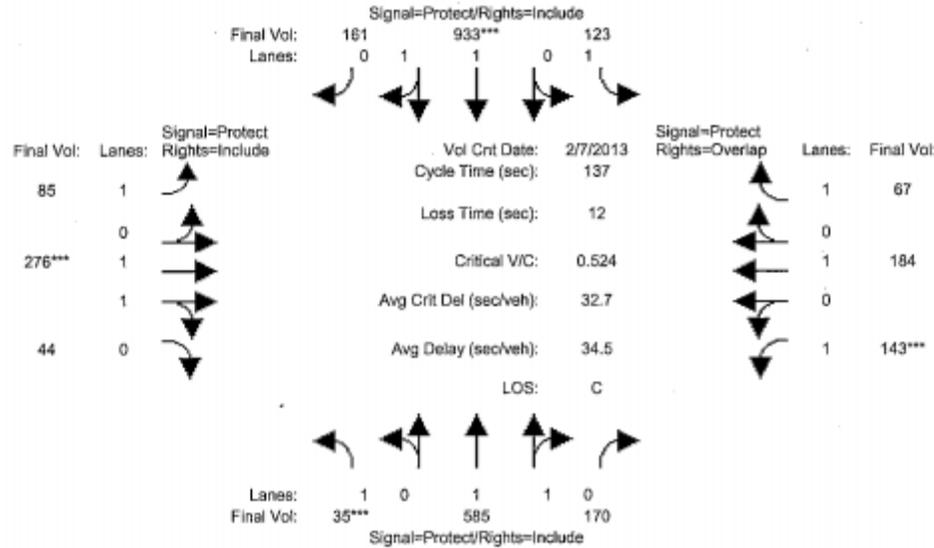


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 20 Aug 2013 << 8:00 AM - 9:00 AM												
Base Vol:	41	722	96	43	398	33	69	82	31	149	196	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	41	722	96	43	398	33	69	82	31	149	196	101
Added Vol:	0	4	0	0	13	-1	7	5	0	0	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	41	726	96	43	411	32	76	87	31	149	198	101
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:	41	726	96	43	411	32	76	87	31	149	198	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	41	726	96	43	411	32	76	87	31	149	198	101
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:	41	726	96	43	411	32	76	87	31	149	198	101
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	1.84	0.16	1.00	1.44	0.56	1.00	1.00	1.00
Final Sat.:	1750	3323	439	1750	3504	273	1750	2740	976	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.22	0.22	0.02	0.12	0.12	0.04	0.03	0.03	0.09	0.10	0.06
Crit Moves:	****			****			****			****		
Green/Cycle:	0.19	0.55	0.55	0.06	0.43	0.43	0.10	0.08	0.08	0.22	0.20	0.26
Volume/Cap:	0.13	0.39	0.39	0.39	0.27	0.27	0.45	0.39	0.39	0.39	0.52	0.22
Delay/Veh:	47.2	18.0	18.0	72.1	25.7	25.7	66.5	63.7	63.7	49.1	54.2	40.8
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:	47.2	18.0	18.0	72.1	25.7	25.7	66.5	63.7	63.7	49.1	54.2	40.8
LOS by Move:	D	B	B	E	C	C	E	E	E	D	D	D
HCM2kAvgQ:	38	251	251	48	150	150	93	70	70	148	195	89

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

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

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

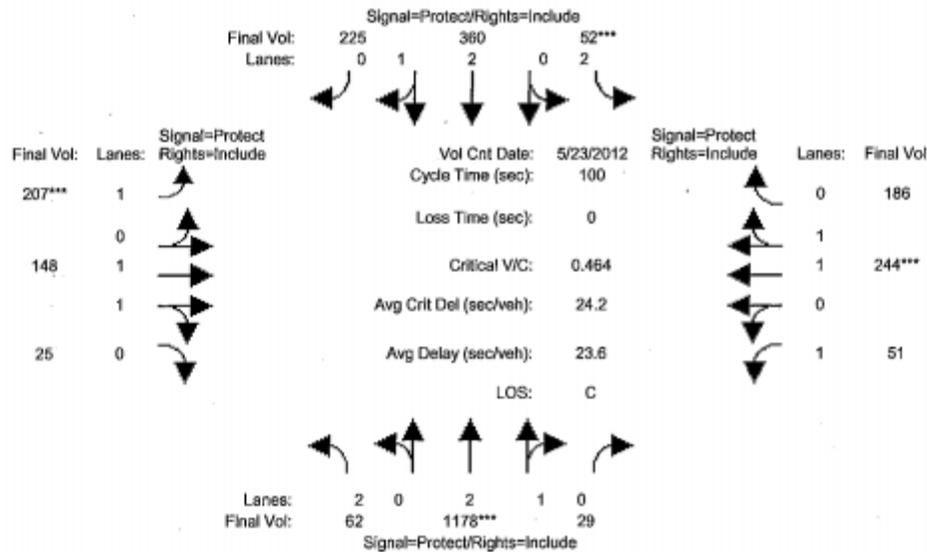


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:	>> Count Date: 7 Feb 2013 <<											
Base Vol:	35	567	170	123	923	155	86	274	44	143	179	67
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:	35	567	170	123	923	155	86	274	44	143	179	67
Added Vol:	0	18	0	0	10	6	-1	2	0	0	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	35	585	170	123	933	161	85	276	44	143	184	67
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:	35	585	170	123	933	161	85	276	44	143	184	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	585	170	123	933	161	85	276	44	143	184	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:	35	585	170	123	933	161	85	276	44	143	184	67
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	1.52	0.48	1.00	1.68	0.32	1.00	1.70	0.30	1.00	1.00	1.00
Final Sat.:	1750	2889	839	1750	3200	552	1750	3239	516	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.20	0.20	0.07	0.29	0.29	0.05	0.09	0.09	0.08	0.10	0.04
Crit Moves:	****			****			****			****		
Green/Cycle:	0.05	0.44	0.44	0.15	0.55	0.55	0.11	0.16	0.16	0.15	0.21	0.36
Volume/Cap:	0.39	0.46	0.46	0.46	0.53	0.53	0.45	0.53	0.53	0.53	0.47	0.11
Delay/Veh:	75.3	27.4	27.4	58.2	20.8	20.8	64.7	56.2	56.2	60.8	52.0	29.6
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:	75.3	27.4	27.4	58.2	20.8	20.8	64.7	56.2	56.2	60.8	52.0	29.6
LOS by Move:	E	C	C	E	C	C	E	E	E	E	D	C
HCM2kAvgQ:	39	278	278	127	374	374	102	168	168	163	176	49

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

Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Background 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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Initial Bse:	62	1043	29	52	324	226	195	125	25	51	243	186				
Added Vol:	0	135	0	0	36	-1	12	23	0	0	1	0				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	62	1178	29	52	360	225	207	148	25	51	244	186				
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:	62	1178	29	52	360	225	207	148	25	51	244	186				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	62	1178	29	52	360	225	207	148	25	51	244	186				
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:	62	1178	29	52	360	225	207	148	25	51	244	186				

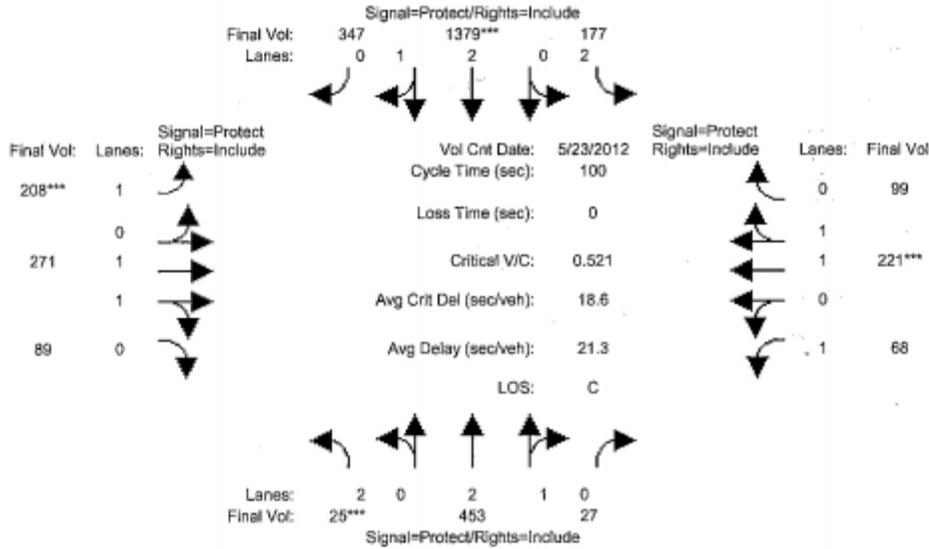
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.92	0.08	2.00	2.00	1.00	1.00	1.69	0.31	1.00	1.09	0.91
Final Sat.:	3150	5552	137	3150	3800	1750	1750	3211	542	1750	2079	1585

Capacity Analysis Module:												
Vol/Sat:	0.02	0.21	0.21	0.02	0.09	0.13	0.12	0.05	0.05	0.03	0.12	0.12
Crit Moves:	****			****			****			****		
Green/Cycle:	0.07	0.46	0.46	0.04	0.43	0.43	0.25	0.31	0.31	0.20	0.25	0.25
Volume/Cap:	0.30	0.46	0.46	0.46	0.22	0.30	0.46	0.15	0.15	0.15	0.46	0.46
Delay/Veh:	45.4	18.8	18.8	50.3	18.2	18.9	32.3	24.9	24.9	33.4	32.0	32.0
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:	45.4	18.8	18.8	50.3	18.2	18.9	32.3	24.9	24.9	33.4	32.0	32.0
LOS by Move:	D	B	B	D	B	B	C	C	C	C	C	C
HCM2kAvgQ:	35	214	214	24	83	118	141	46	46	34	141	141

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

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

Intersection #1009: Mary Av & Evelyn Av

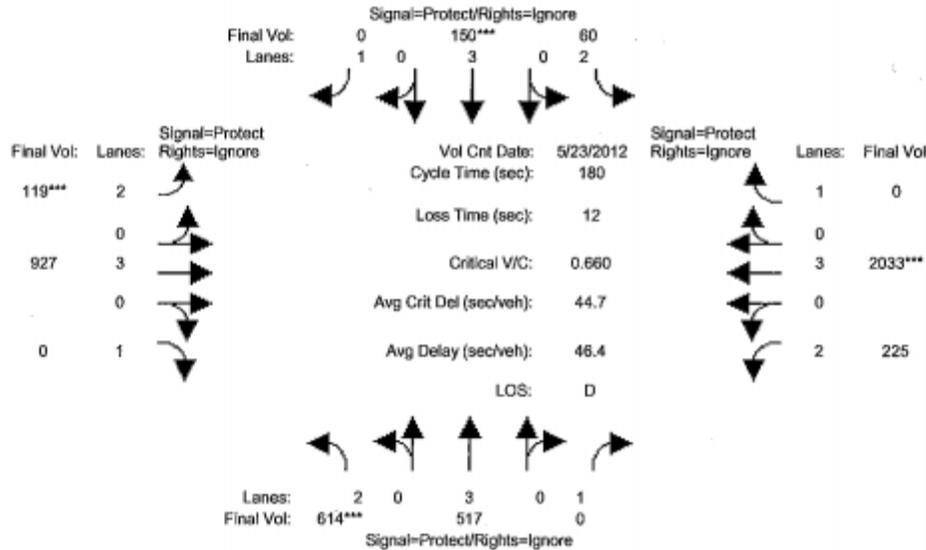


Street Name:	Mary Av						Evelyn Av					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 5-6												
Base Vol:	25	407	27	177	1245	338	210	270	89	68	202	99
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	407	27	177	1245	338	210	270	89	68	202	99
Added Vol:	0	46	0	0	134	9	-2	1	0	0	19	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	453	27	177	1379	347	208	271	89	68	221	99
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:	25	453	27	177	1379	347	208	271	89	68	221	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	453	27	177	1379	347	208	271	89	68	221	99
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:	25	453	27	177	1379	347	208	271	89	68	221	99
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	2.82	0.18	2.00	2.36	0.64	1.00	1.47	0.53	1.00	1.35	0.65
Final Sat.:	3150	5354	319	3150	4477	1127	1750	2801	920	1750	2557	1145
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.06	0.31	0.31	0.12	0.10	0.10	0.04	0.09	0.09
Crit Moves:	****				****		****				****	
Green/Cycle:	0.02	0.36	0.36	0.24	0.59	0.59	0.23	0.28	0.28	0.11	0.17	0.17
Volume/Cap:	0.52	0.23	0.23	0.23	0.52	0.52	0.52	0.34	0.34	0.34	0.52	0.52
Delay/Veh:	58.8	22.1	22.1	30.6	12.2	12.2	35.1	28.8	28.8	42.0	38.9	38.9
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:	58.8	22.1	22.1	30.6	12.2	12.2	35.1	28.8	28.8	42.0	38.9	38.9
LOS by Move:	E	C	C	C	B	B	D	C	C	D	D	D
HCM2kAvgQ:	29	85	85	61	250	250	148	107	107	51	112	112

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

Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Background 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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	607	380	517	60	127	145	100	853	146	221	1999	156
Added Vol:	7	137	3	0	23	-2	19	74	8	4	34	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	614	517	520	60	150	143	119	927	154	225	2033	156
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:	614	517	0	60	150	0	119	927	0	225	2033	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	614	517	0	60	150	0	119	927	0	225	2033	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:	614	517	0	60	150	0	119	927	0	225	2033	0

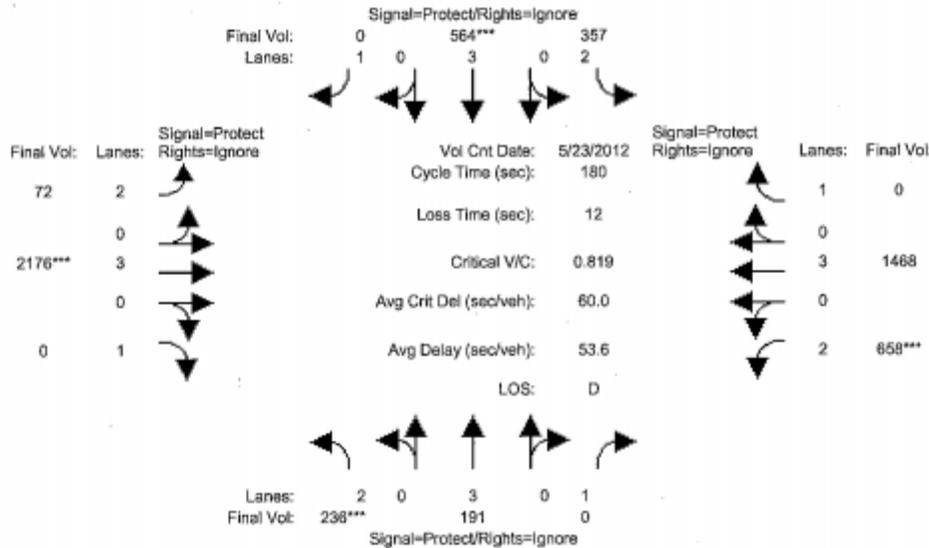
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3150	5700	1750	3150	5700	1750	3150	5700	1750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

Capacity Analysis Module:												
Vol/Sat:	0.19	0.09	0.00	0.02	0.03	0.00	0.04	0.16	0.00	0.07	0.36	0.00
Crit Moves:	****			****			****			****		
Green/Cycle:	0.28	0.18	0.00	0.16	0.06	0.00	0.08	0.49	0.00	0.11	0.52	0.00
Volume/Cap:	0.69	0.50	0.00	0.12	0.47	0.00	0.49	0.33	0.00	0.68	0.69	0.00
Delay/Veh:	61.9	67.9	0.0	65.8	87.5	0.0	86.3	28.3	0.0	88.2	33.9	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:	61.9	67.9	0.0	65.8	87.5	0.0	86.3	28.3	0.0	88.2	33.9	0.0
LOS by Move:	E	E	A	E	F	A	F	C	A	F	C	A
HCM2kAvgQ:	466	212	0	42	69	0	97	257	0	207	688	0

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

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Background 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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	224	164	324	357	432	146	75	2131	795	655	1391	69
Added Vol:	12	27	5	0	132	15	-3	45	8	3	77	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	236	191	329	357	564	161	72	2176	803	658	1468	69
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:	236	191	0	357	564	0	72	2176	0	658	1468	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	236	191	0	357	564	0	72	2176	0	658	1468	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
FinalVolume:	236	191	0	357	564	0	72	2176	0	658	1468	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

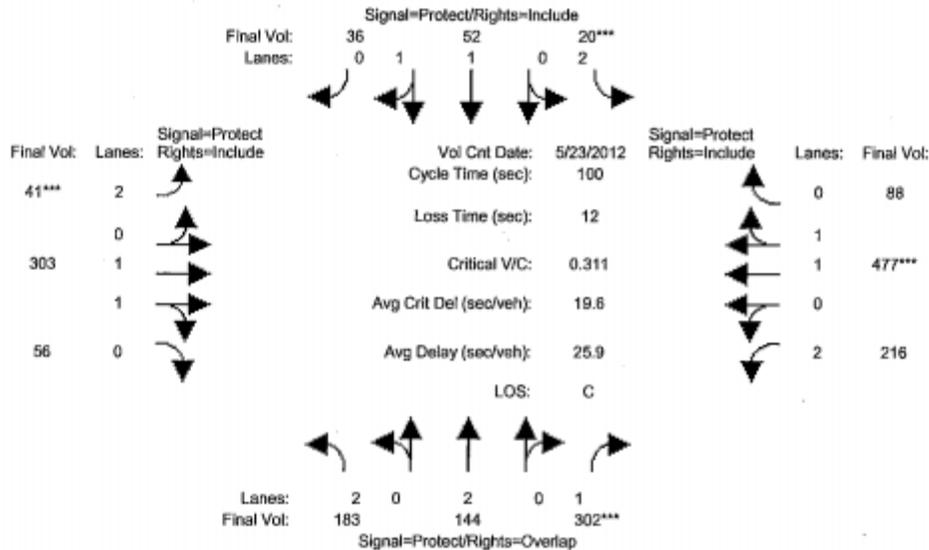
Capacity Analysis Module:

Vol/Sat:	0.07	0.03	0.00	0.11	0.10	0.00	0.02	0.38	0.00	0.21	0.26	0.00
Crit Moves:	****			****			****			****		
Green/Cycle:	0.09	0.07	0.00	0.14	0.12	0.00	0.17	0.47	0.00	0.26	0.55	0.00
Volume/Cap:	0.82	0.48	0.00	0.80	0.82	0.00	0.14	0.82	0.00	0.82	0.47	0.00
Delay/Veh:	102.5	84.7	0.0	88.3	87.7	0.0	64.4	44.5	0.0	72.3	24.6	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:	102.5	84.7	0.0	88.3	87.7	0.0	64.4	44.5	0.0	72.3	24.6	0.0
LOS by Move:	F	F	A	F	F	A	E	D	A	E	C	A
HCM2kAvgQ:	217	86	0	310	278	0	49	907	0	553	389	0

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

Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Background 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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	182	144	147	20	52	36	41	150	54	197	480	88
Added Vol:	1	0	155	0	0	0	0	153	2	19	-3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	183	144	302	20	52	36	41	303	56	216	477	88
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	144	302	20	52	36	41	303	56	216	477	88
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	144	302	20	52	36	41	303	56	216	477	88
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	144	302	20	52	36	41	303	56	216	477	88

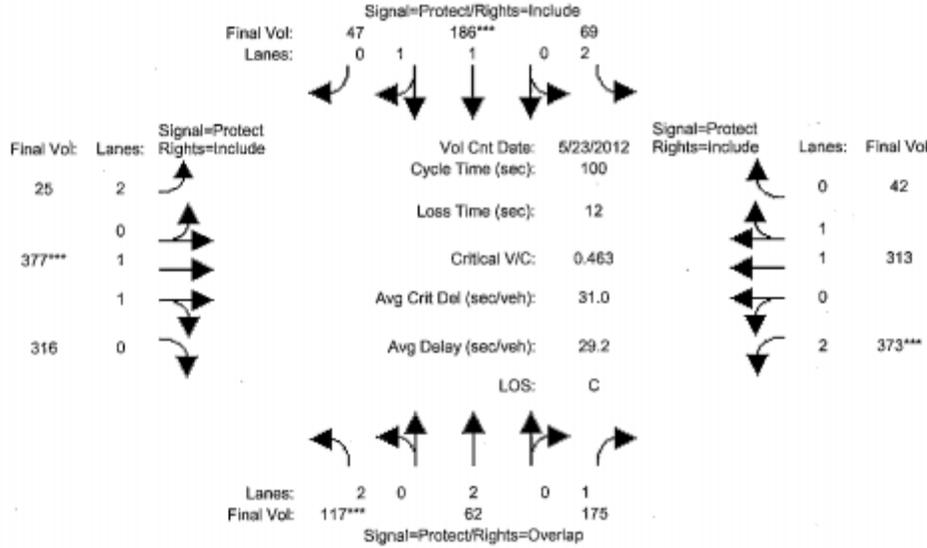
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.14	0.86	2.00	1.67	0.33	2.00	1.67	0.33
Final Sat.:	3150	3800	1750	3150	2169	1502	3150	3165	585	3150	3166	584

Capacity Analysis Module:												
Vol/Sat:	0.06	0.04	0.17	0.01	0.02	0.02	0.01	0.10	0.10	0.07	0.15	0.15
Crit Moves:			****	****			****				****	
Green/Cycle:	0.15	0.30	0.51	0.07	0.22	0.22	0.07	0.30	0.30	0.21	0.44	0.44
Volume/Cap:	0.38	0.13	0.34	0.09	0.11	0.11	0.19	0.32	0.32	0.33	0.34	0.34
Delay/Veh:	40.4	25.7	15.5	44.3	31.6	31.6	45.7	27.8	27.8	34.8	19.0	19.0
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:	40.4	25.7	15.5	44.3	31.6	31.6	45.7	27.8	27.8	34.8	19.0	19.0
LOS by Move:	D	C	B	D	C	C	D	C	C	C	B	B
HCM2kAvgQ:	76	39	148	10	28	28	18	107	107	89	144	144

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

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

Intersection #1011: Mary Ave. & Maude Ave.

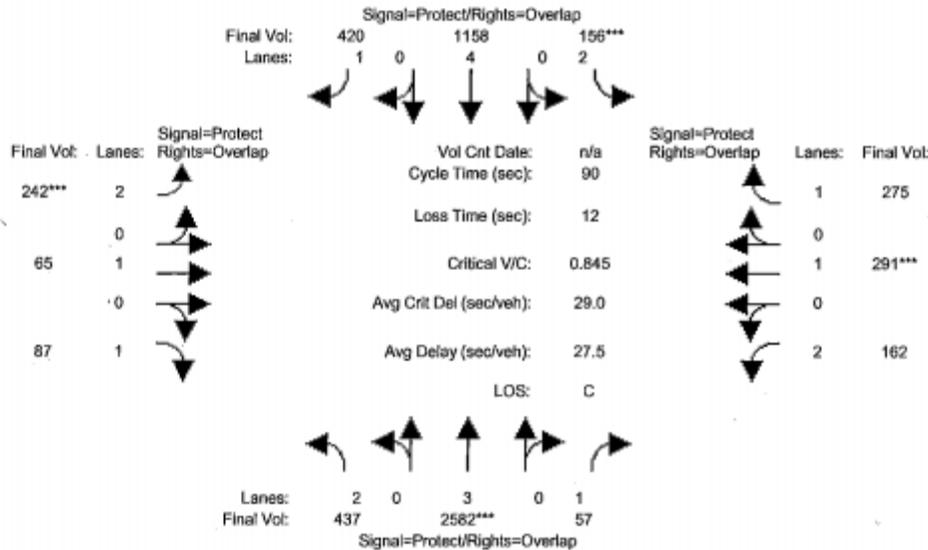


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:	>> Count Date: 23 May 2012 << 5-6											
Base Vol:	114	62	153	69	186	47	25	384	314	228	193	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	114	62	153	69	186	47	25	384	314	228	193	42
Added Vol:	3	0	22	0	0	0	0	-7	2	145	120	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	117	62	175	69	186	47	25	377	316	373	313	42
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:	117	62	175	69	186	47	25	377	316	373	313	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	117	62	175	69	186	47	25	377	316	373	313	42
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:	117	62	175	69	186	47	25	377	316	373	313	42
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	1.05	0.95	2.00	1.75	0.25
Final Sat.:	3150	3800	1750	3150	2982	753	3150	1989	1668	3150	3317	445
Capacity Analysis Module:												
Vol/Sat:	0.04	0.02	0.10	0.02	0.06	0.06	0.01	0.19	0.19	0.12	0.09	0.09
Crit Moves:	****			****			****			****		
Green/Cycle:	0.08	0.13	0.38	0.09	0.13	0.13	0.27	0.41	0.41	0.26	0.39	0.39
Volume/Cap:	0.46	0.13	0.26	0.25	0.46	0.46	0.03	0.46	0.46	0.46	0.24	0.24
Delay/Veh:	49.9	39.3	22.2	44.6	43.0	43.0	26.6	22.6	22.6	33.3	20.9	20.9
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:	49.9	39.3	22.2	44.6	43.0	43.0	26.6	22.6	22.6	33.3	20.9	20.9
LOS by Move:	D	D	C	D	D	D	C	C	C	C	C	C
HCM2kAvgQ:	53	21	98	35	97	97	8	204	204	153	92	92

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

Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Background 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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	350	2011	56	157	923	190	108	61	60	159	282	263
Added Vol:	87	571	1	-1	235	230	134	4	27	3	9	12
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	437	2582	57	156	1158	420	242	65	87	162	291	275
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:	437	2582	57	156	1158	420	242	65	87	162	291	275
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	437	2582	57	156	1158	420	242	65	87	162	291	275
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:	437	2582	57	156	1158	420	242	65	87	162	291	275

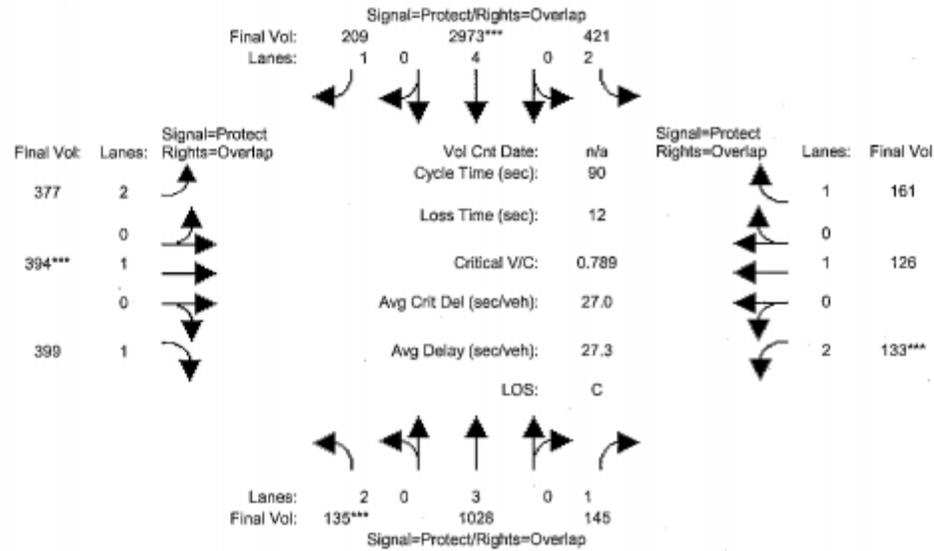
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150	5700	1750	3150	7600	1750	3150	1900	1750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

Capacity Analysis Module:												
Vol/Sat:	0.14	0.45	0.03	0.05	0.15	0.24	0.08	0.03	0.05	0.05	0.15	0.16
Crit Moves:	****			****			****				****	
Green/Cycle:	0.28	0.52	0.63	0.08	0.32	0.41	0.09	0.16	0.43	0.11	0.18	0.25
Volume/Cap:	0.50	0.87	0.05	0.64	0.47	0.58	0.87	0.22	0.11	0.47	0.87	0.62
Delay/Veh:	27.8	21.6	6.3	45.7	24.3	21.6	64.0	33.5	15.3	38.6	56.3	32.3
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:	27.8	21.6	6.3	45.7	24.3	21.6	64.0	33.5	15.3	38.6	56.3	32.3
LOS by Move:	C	C	A	D	C	C	E	C	B	D	E	C
HCM2kAvgQ:	163	593	16	63	151	232	167	42	39	63	221	182

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

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

Intersection #1012: Mathilda Ave. & Maude Ave.

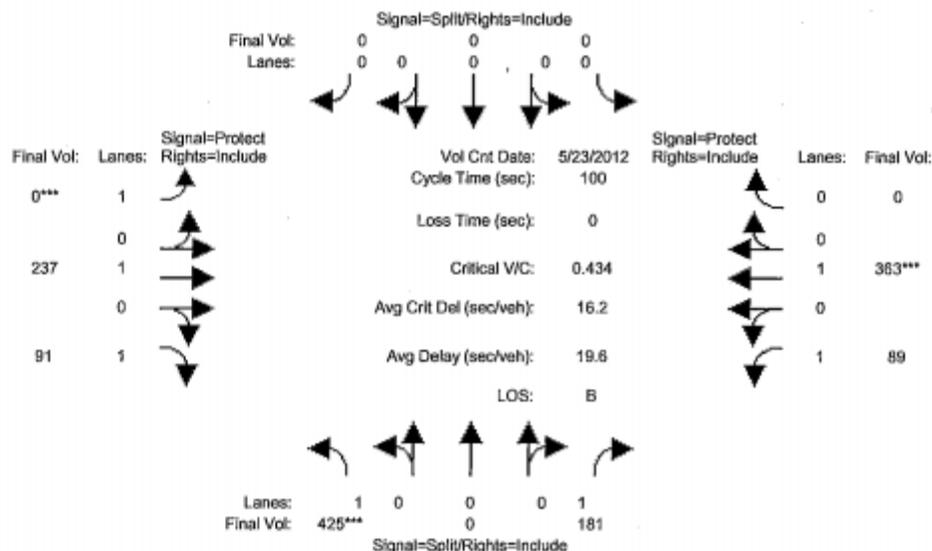


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Volume Module:												
Base Vol:	120	823	142	409	2431	97	195	384	329	132	121	159
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	120	823	142	409	2431	97	195	384	329	132	121	159
Added Vol:	15	205	3	12	542	112	182	10	70	1	5	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	1028	145	421	2973	209	377	394	399	133	126	161
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:	135	1028	145	421	2973	209	377	394	399	133	126	161
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	1028	145	421	2973	209	377	394	399	133	126	161
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:	135	1028	145	421	2973	209	377	394	399	133	126	161
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:	0.04	0.18	0.08	0.13	0.39	0.12	0.12	0.21	0.23	0.04	0.07	0.09
Crit Moves:	****			****			****			****		
Green/Cycle:	0.08	0.31	0.39	0.23	0.46	0.63	0.17	0.25	0.32	0.08	0.16	0.39
Volume/Cap:	0.55	0.58	0.21	0.58	0.84	0.19	0.71	0.84	0.70	0.54	0.42	0.24
Delay/Veh:	42.7	26.5	18.5	31.9	23.1	7.0	39.9	45.2	30.6	42.4	35.3	18.8
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:	42.7	26.5	18.5	31.9	23.1	7.0	39.9	45.2	30.6	42.4	35.3	18.8
LOS by Move:	D	C	B	C	C	A	D	D	C	D	D	B
HCM2kAvgQ:	76	213	72	143	420	60	187	329	291	53	76	77

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

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

Intersection #1013: Bernardo Ave & Evelyn Ave

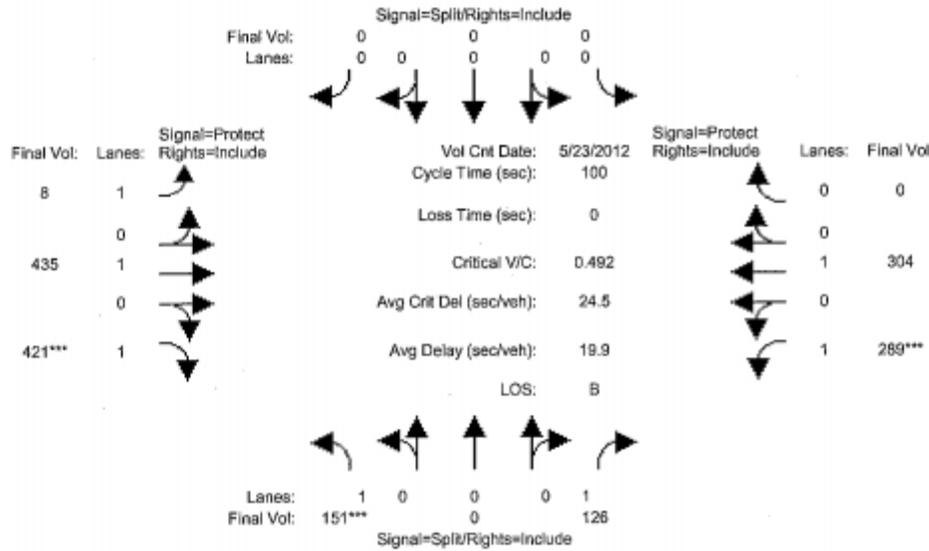


Street Name:	Bernardo Ave						Evelyn Ave					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:	>> Count Date: 23 May 2012 << 8-9											
Base Vol:	424	0	181	0	0	0	0	202	90	89	363	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	424	0	181	0	0	0	0	202	90	89	363	0
Added Vol:	1	0	0	0	0	0	0	35	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	425	0	181	0	0	0	0	237	91	89	363	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:	425	0	181	0	0	0	0	237	91	89	363	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	425	0	181	0	0	0	0	237	91	89	363	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:	425	0	181	0	0	0	0	237	91	89	363	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:	0.24	0.00	0.10	0.00	0.00	0.00	0.00	0.12	0.05	0.05	0.19	0.00
Crit Moves:	****						****			****		
Green/Cycle:	0.56	0.00	0.56	0.00	0.00	0.00	0.00	0.31	0.31	0.13	0.44	0.00
Volume/Cap:	0.43	0.00	0.18	0.00	0.00	0.00	0.00	0.40	0.17	0.40	0.43	0.00
Delay/Veh:	13.1	0.0	10.9	0.0	0.0	0.0	0.0	27.4	25.1	41.3	19.7	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:	13.1	0.0	10.9	0.0	0.0	0.0	0.0	27.4	25.1	41.3	19.7	0.0
LOS by Move:	B	A	B	A	A	A	A	C	C	D	B	A
HCM2kAvgQ:	205	0	73	0	0	0	0	146	55	66	186	0

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

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

Intersection #1013: Bernardo Ave & Evelyn Ave



Street Name:	Bernardo Ave						Evelyn Ave					
	North Bound			South Bound			East Bound			West Bound		
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:	23 May 2012	<<	5:00-6:00						
Base Vol:	148	0	126	0	0	0	8	436	420	289	276	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:	148	0	126	0	0	0	8	436	420	289	276	0
Added Vol:	3	0	0	0	0	0	0	-1	1	0	28	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	151	0	126	0	0	0	8	435	421	289	304	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:	151	0	126	0	0	0	8	435	421	289	304	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	151	0	126	0	0	0	8	435	421	289	304	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:	151	0	126	0	0	0	8	435	421	289	304	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	0.07	0.00	0.00	0.00	0.00	0.23	0.24	0.17	0.16	0.00
Crit Moves:	****								****	****		
Green/Cycle:	0.18	0.00	0.18	0.00	0.00	0.00	0.02	0.49	0.49	0.34	0.80	0.00
Volume/Cap:	0.49	0.00	0.41	0.00	0.00	0.00	0.20	0.47	0.49	0.49	0.20	0.00
Delay/Veh:	38.5	0.0	37.5	0.0	0.0	0.0	50.4	17.3	17.6	27.1	2.4	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:	38.5	0.0	37.5	0.0	0.0	0.0	50.4	17.3	17.6	27.1	2.4	0.0
LOS by Move:	D	A	D	A	A	A	D	B	B	C	A	A
HCM2kAvgQ:	126	0	101	0	0	0	12	222	237	185	55	0

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

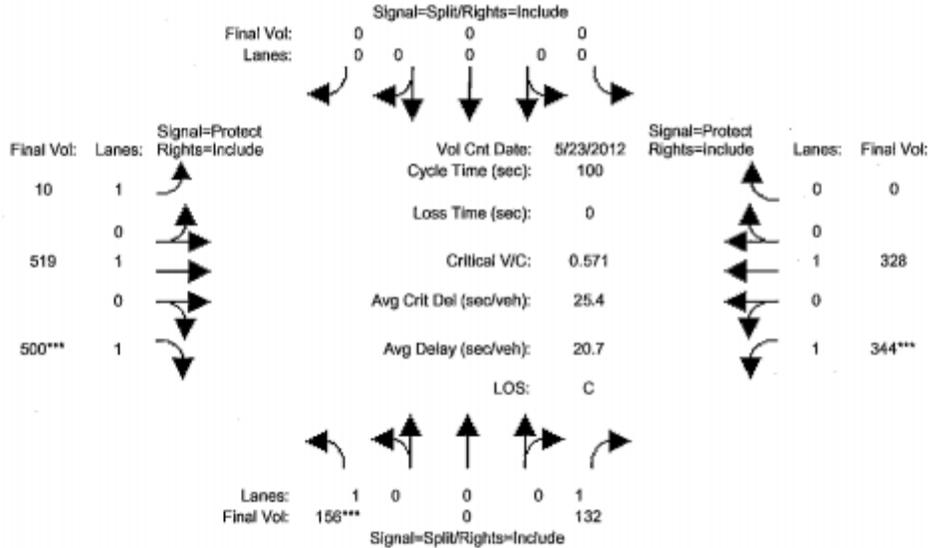


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## Appendix G – Level of Service Worksheets: Cumulative Conditions

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

Intersection #1013: Bernardo Ave & Evelyn Ave

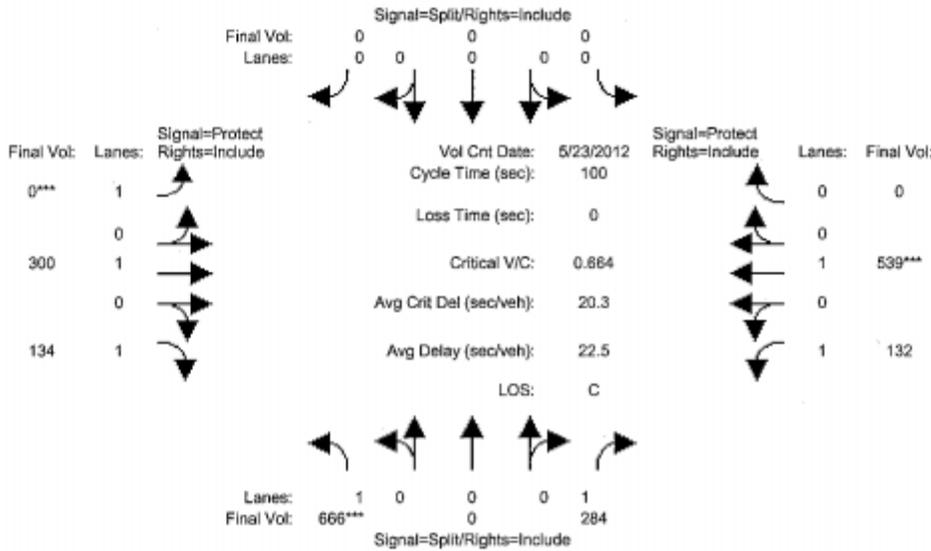


Street Name:	Bernardo Ave						Evelyn Ave					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 5:00-6:00												
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:	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 Put:	156	0	132	0	0	0	10	519	500	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:	156	0	132	0	0	0	10	519	500	344	328	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	0	132	0	0	0	10	519	500	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
Final Volume:	156	0	132	0	0	0	10	519	500	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	0.49	0.00	0.00	0.00	0.21	0.55	0.57	0.57	0.21	0.00
Delay/Veh:	42.0	0.0	39.9	0.0	0.0	0.0	50.1	17.8	18.4	28.1	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:	42.0	0.0	39.9	0.0	0.0	0.0	50.1	17.8	18.4	28.1	2.1	0.0
LOS by Move:	D	A	D	A	A	A	D	B	B	C	A	A
HCM2kAvgQ:	140	0	114	0	0	0	13	277	296	226	55	0

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 #1013: Bernardo Ave & Evelyn Ave

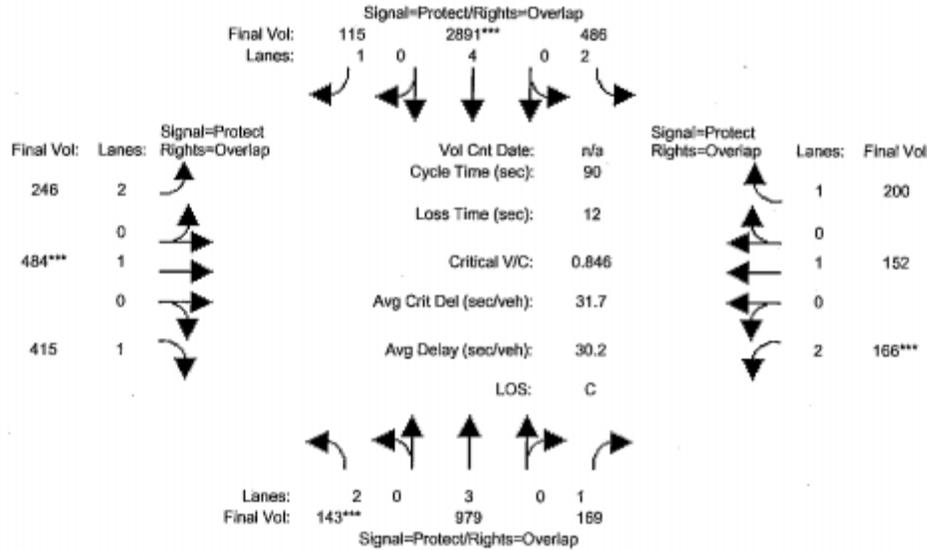


Street Name:	Bernardo Ave						Evelyn Ave					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:	>> Count Date: 23 May 2012 << 8-9											
Base Vol:	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:	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:	531	0	227	0	0	0	0	246	110	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:	666	0	284	0	0	0	0	300	134	132	539	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	666	0	284	0	0	0	0	300	134	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:	666	0	284	0	0	0	0	300	134	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	0.26	0.55	0.66	0.00
Delay/Veh:	16.4	0.0	11.1	0.0	0.0	0.0	0.0	31.2	27.6	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	11.1	0.0	0.0	0.0	0.0	31.2	27.6	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 No Project - PM

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:	North Bound			South Bound			East Bound			West Bound		
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	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:	143	979	169	486	2891	115	246	484	415	166	152	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	979	169	486	2891	115	246	484	415	166	152	200
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	143	979	169	486	2891	115	246	484	415	166	152	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
Final Volume:	143	979	169	486	2891	115	246	484	415	166	152	200

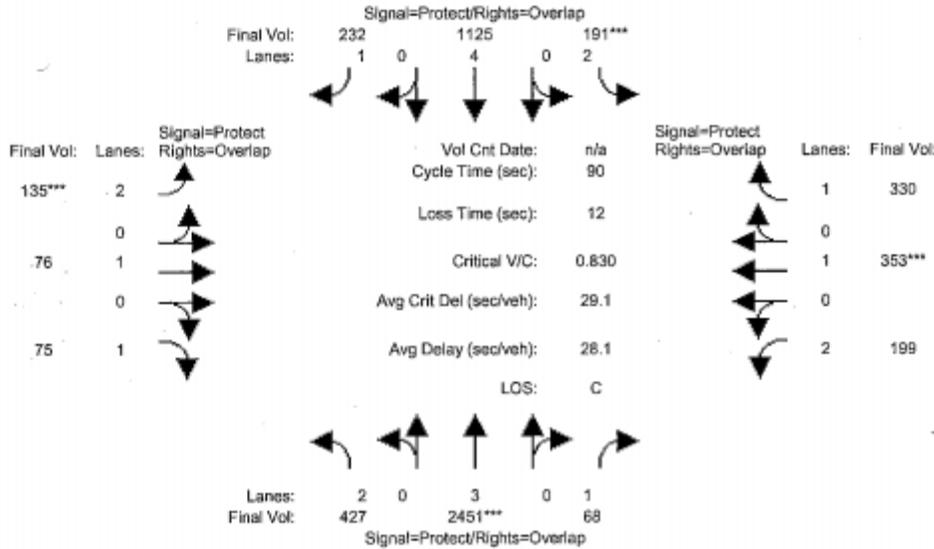
Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150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

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.17	0.10	0.15	0.38	0.07	0.08	0.25	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	0.89	0.11	0.52	0.89	0.65	0.68	0.38	0.25
Delay/Veh:	43.6	30.3	21.8	32.8	27.5	8.7	36.3	47.9	26.4	47.9	30.9	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:	43.6	30.3	21.8	32.8	27.5	8.7	36.3	47.9	26.4	47.9	30.9	15.4
LOS by Move:	D	C	C	C	C	A	D	D	C	D	C	B
HCM2kAvgQ:	82	224	93	175	474	37	111	414	279	70	87	89

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 #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:	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	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:	427	2451	68	191	1125	232	135	76	75	199	353	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	2451	68	191	1125	232	135	76	75	199	353	330
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	427	2451	68	191	1125	232	135	76	75	199	353	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	2451	68	191	1125	232	135	76	75	199	353	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

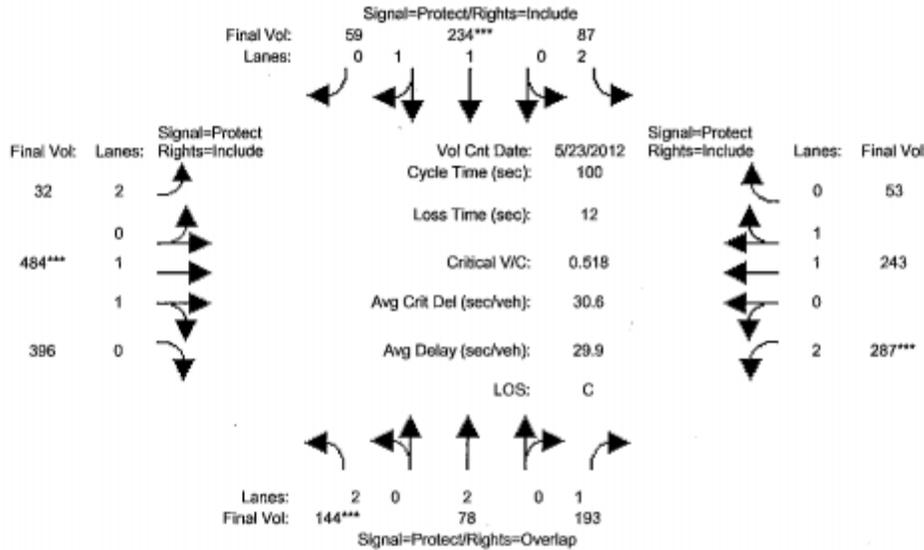
Capacity Analysis Module:

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	0.21	0.29
Volume/Cap:	0.49	0.87	0.06	0.78	0.49	0.35	0.55	0.23	0.10	0.53	0.87	0.64
Delay/Veh:	27.9	23.1	6.9	55.6	26.1	20.4	42.7	32.5	14.5	38.5	51.5	30.6
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:	27.9	23.1	6.9	55.6	26.1	20.4	42.7	32.5	14.5	38.5	51.5	30.6
LOS by Move:	C	C	A	E	C	C	D	C	B	D	D	C
HCM2kAvgQ:	159	575	20	85	154	119	76	49	32	78	263	216

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 #1011: Mary 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:	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:	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:	144	78	193	87	234	59	32	484	396	287	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:	144	78	193	87	234	59	32	484	396	287	243	53
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	144	78	193	87	234	59	32	484	396	287	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:	144	78	193	87	234	59	32	484	396	287	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	2013	1646	3150	3074	669

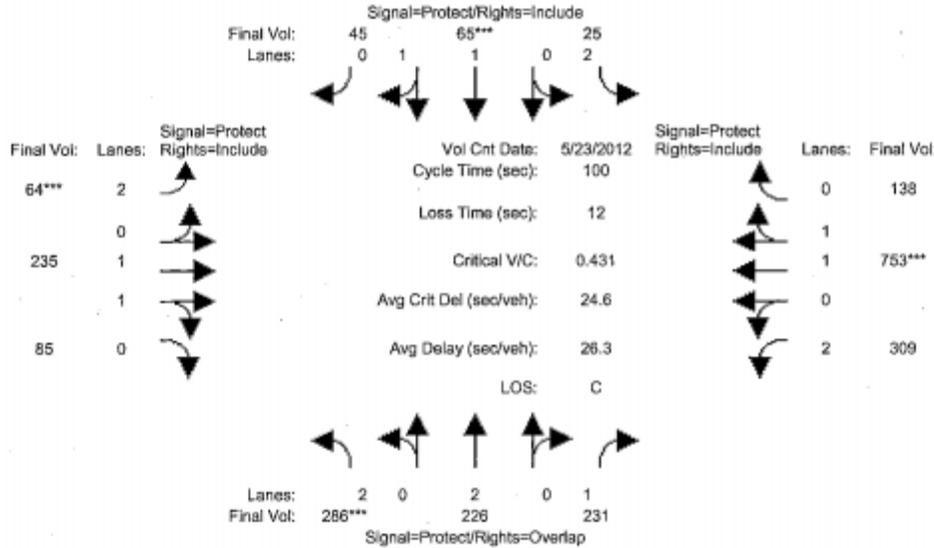
Capacity Analysis Module:

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:	50.3	38.2	27.9	44.0	42.4	42.4	27.5	20.0	20.0	40.8	21.4	21.4
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:	50.3	38.2	27.9	44.0	42.4	42.4	27.5	20.0	20.0	40.8	21.4	21.4
LOS by Move:	D	D	C	D	D	D	C	C	C	D	C	C
HCM2kAvgQ:	64	25	120	43	121	121	11	253	253	135	77	77

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 #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:	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:	228	180	184	20	52	36	51	188	68	247	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:	286	226	231	25	65	45	64	235	85	309	753	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	286	226	231	25	65	45	64	235	85	309	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
FinalVolume:	286	226	231	25	65	45	64	235	85	309	753	138

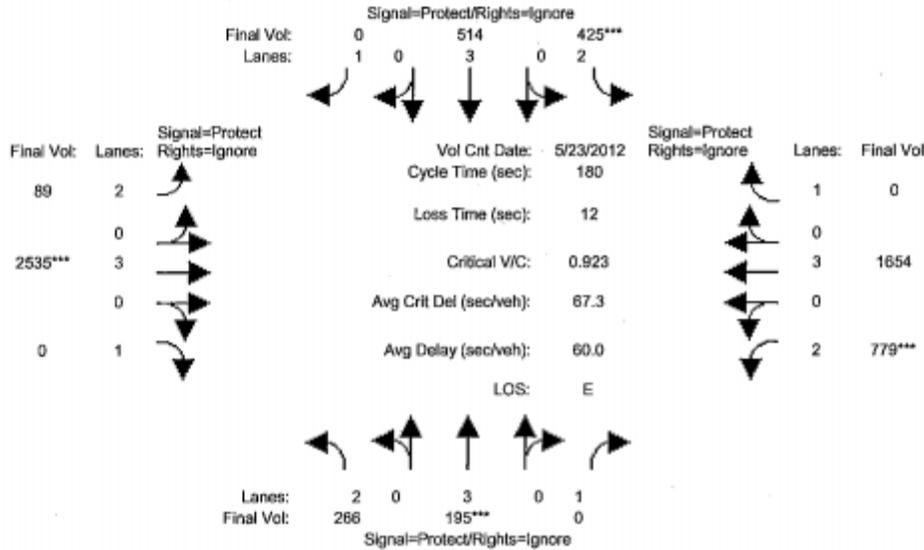
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	2.00	1.00	2.00	1.14	0.86	2.00	1.44	0.56	2.00	1.67	0.33
Final Sat.:	3150	3800	1750	3150	2169	1502	3150	2732	984	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	0.28	0.07	0.30	0.30	0.29	0.29	0.29	0.34	0.46	0.46
Delay/Veh:	38.0	37.7	17.5	39.2	43.8	43.8	47.5	27.9	27.9	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	37.7	17.5	39.2	43.8	43.8	47.5	27.9	27.9	29.0	16.3	16.3
LOS by Move:	D	D	B	D	D	D	D	C	C	C	B	B
HCM2kAvgQ:	117	75	117	11	47	47	29	96	96	115	221	221

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 #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 << 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:	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:	266	195	385	425	514	174	89	2535	946	779	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:	266	195	0	425	514	0	89	2535	0	779	1654	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	266	195	0	425	514	0	89	2535	0	779	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:	266	195	0	425	514	0	89	2535	0	779	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

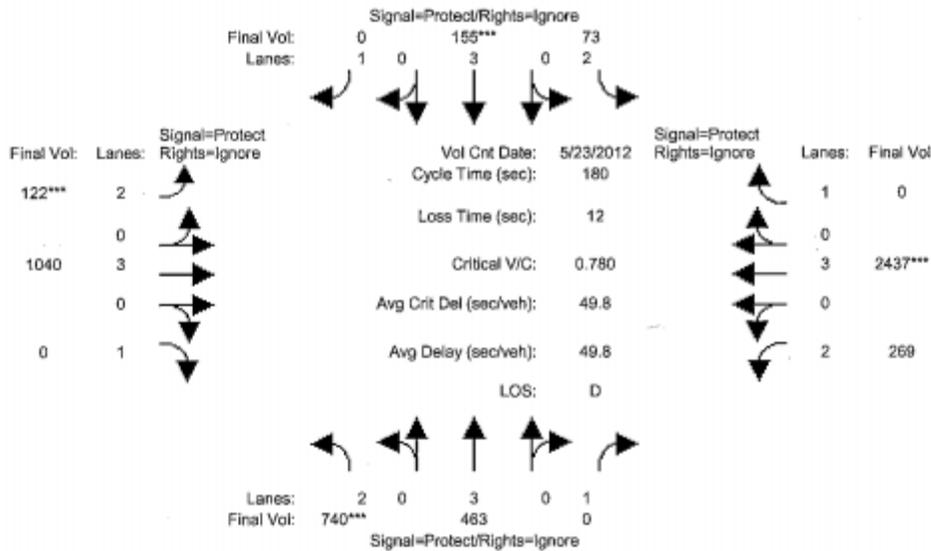
Capacity Analysis Module:

Vol/Sat:	0.08	0.03	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:	0.88	0.62	0.00	0.94	0.88	0.00	0.18	0.94	0.00	0.94	0.50	0.00
Delay/Veh:	108.8	91.8	0.0	106.5	96.8	0.0	66.9	53.4	0.0	85.0	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:	108.8	91.8	0.0	106.5	96.8	0.0	66.9	53.4	0.0	85.0	23.0	0.0
LOS by Move:	F	F	A	F	F	A	E	D	A	F	C	A
HCM2kAvgQ:	254	93	0	407	264	0	62	1236	0	727	433	0

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 #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	<<	8-9
Base Vol:	607	380	517	60	127	145
Growth Adj:	1.22	1.22	1.22	1.22	1.22	1.22
Initial Bse:	740	463	630	73	155	177
Added Vol:	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0
Initial Fut:	740	463	630	73	155	177
User Adj:	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
PHF Volume:	740	463	0	73	155	0
Reduct Vol:	0	0	0	0	0	0
Reduced Vol:	740	463	0	73	155	0
PCE Adj:	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
Final Volume:	740	463	0	73	155	0

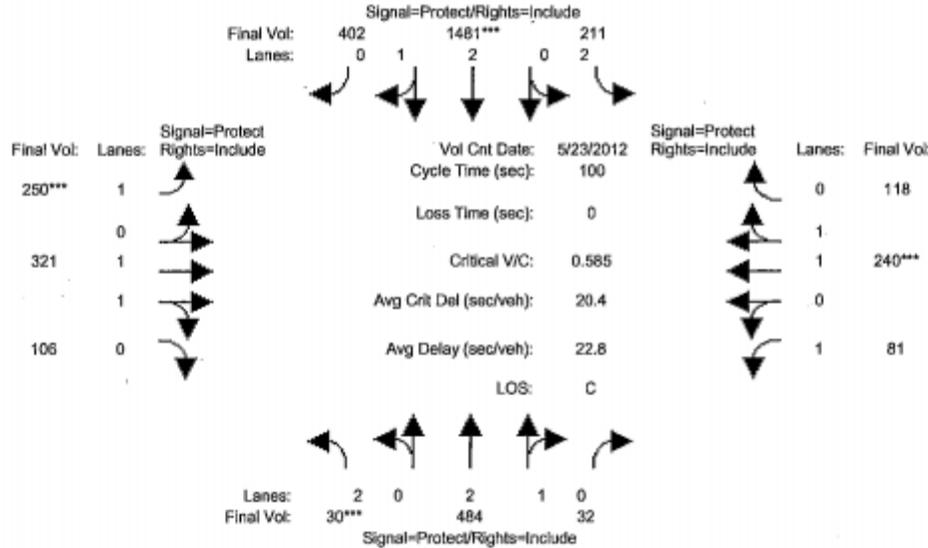
Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	
Final Sat.:	3150	5700	1750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

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.23	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:	0.28	0.17	0.00	0.17	0.06	0.00	0.08	0.48	0.00	0.11	0.52	0.00
Volume/Cap:	0.83	0.47	0.00	0.14	0.49	0.00	0.50	0.38	0.00	0.75	0.83	0.00
Delay/Veh:	69.1	68.5	0.0	64.7	87.8	0.0	86.7	30.1	0.0	90.9	39.6	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	68.5	0.0	64.7	87.8	0.0	86.7	30.1	0.0	90.9	39.6	0.0
LOS by Move:	E	E	A	E	F	A	F	C	A	F	D	A
HCM2kAvgQ:	614	189	0	50	71	0	100	302	0	253	959	0

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 #1009: Mary Av & Evelyn Av

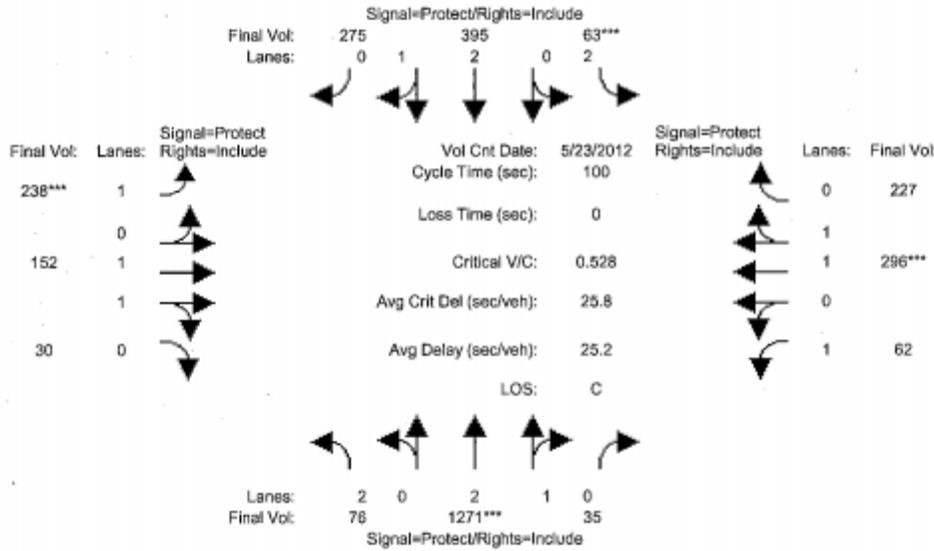


Street Name:	Mary Av						Evelyn Av					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:	>> Count Date: 23 May 2012 << 5-6											
Base Vol:	25	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	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:	30	484	32	211	1481	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	484	32	211	1481	402	250	321	106	81	240	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	30	484	32	211	1481	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	484	32	211	1481	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	2.80	0.20	2.00	2.32	0.68	1.00	1.47	0.53	1.00	1.31	0.69
Final Sat.:	3150	5317	353	3150	4402	1195	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	0.34	0.34	0.25	0.57	0.57	0.24	0.29	0.29	0.12	0.17	0.17
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:	65.3	24.0	24.0	30.3	13.9	13.9	35.5	28.6	28.6	42.1	40.0	40.0
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:	65.3	24.0	24.0	30.3	13.9	13.9	35.5	28.6	28.6	42.1	40.0	40.0
LOS by Move:	E	C	C	C	B	B	D	C	C	D	D	D
HCM2kAvgQ:	35	96	96	72	294	294	179	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 No Project - AM

Intersection #1009: Mary Av & Evelyn Av

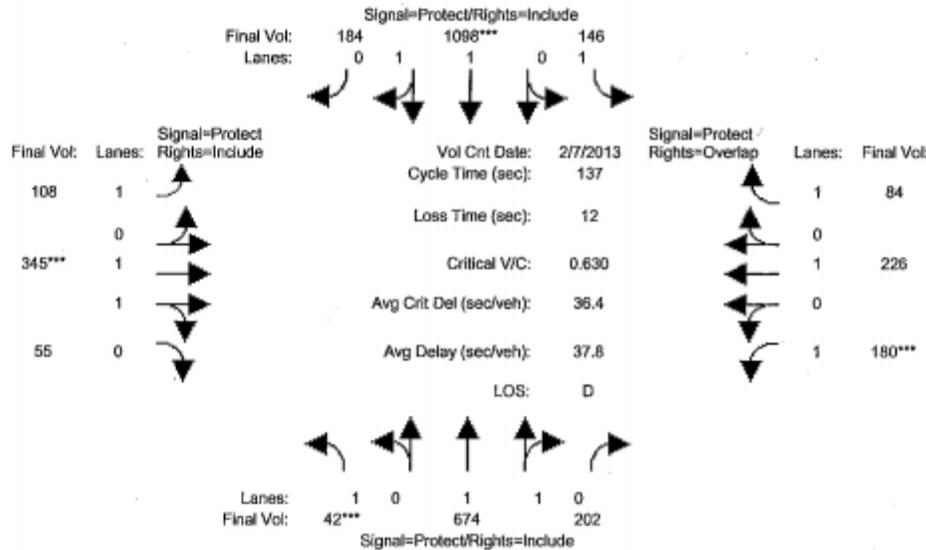


Street Name:	Mary Av						Evelyn Av					
	North Bound			South Bound			East Bound			West Bound		
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 23 May 2012 << 8-9												
Base Vol:	62	1043	29	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	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	1271	35	63	395	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	1271	35	63	395	275	238	152	30	62	296	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	1271	35	63	395	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	1271	35	63	395	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	5533	154	3150	3800	1750	1750	3122	624	1750	2075	1589
Capacity Analysis Module:												
Vol/Sat:	0.02	0.23	0.23	0.02	0.10	0.16	0.14	0.05	0.05	0.04	0.14	0.14
Crit Moves:	****			****			****			****		
Green/Cycle:	0.06	0.43	0.43	0.04	0.41	0.41	0.26	0.31	0.31	0.22	0.27	0.27
Volume/Cap:	0.38	0.53	0.53	0.53	0.25	0.38	0.53	0.16	0.16	0.16	0.53	0.53
Delay/Veh:	46.3	21.0	21.0	51.6	19.5	20.8	33.1	25.5	25.5	31.6	31.6	31.6
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:	46.3	21.0	21.0	51.6	19.5	20.8	33.1	25.5	25.5	31.6	31.6	31.6
LOS by Move:	D	C	C	D	B	C	C	C	C	C	C	C
HCM2kAvgQ:	45	250	250	30	95	154	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 No Project - PM

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: 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	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	674	202	146	1098	184	108	345	55	180	226	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	184	108	345	55	180	226	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	674	202	146	1098	184	108	345	55	180	226	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	184	108	345	55	180	226	84

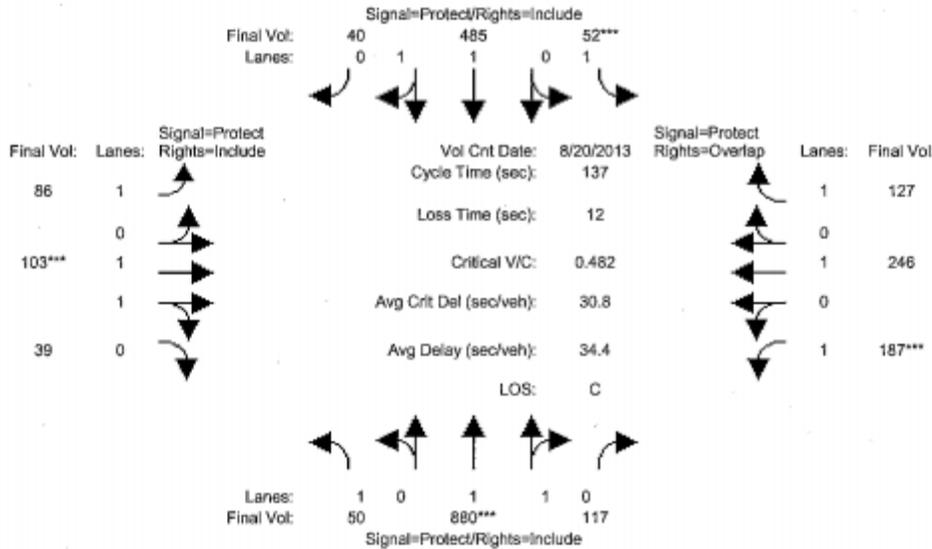
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.51	0.49	1.00	1.69	0.31	1.00	1.70	0.30	1.00	1.00	1.00
Final Sat.:	1750	2867	860	1750	3214	540	1750	3236	520	1750	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	0.55	0.64	0.64	0.64	0.55	0.13
Delay/Veh:	79.6	30.3	30.3	61.3	24.2	24.2	68.2	58.2	58.2	64.4	53.1	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	30.3	30.3	61.3	24.2	24.2	68.2	58.2	58.2	64.4	53.1	29.1
LOS by Move:	E	C	C	E	C	C	E	E	E	E	D	C
HCM2kAvgQ:	47	348	348	156	494	494	134	220	220	214	220	62

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 #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: 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	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	50	880	117	52	485	40	86	103	39	187	246	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	40	86	103	39	187	246	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	880	117	52	485	40	86	103	39	187	246	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	40	86	103	39	187	246	127

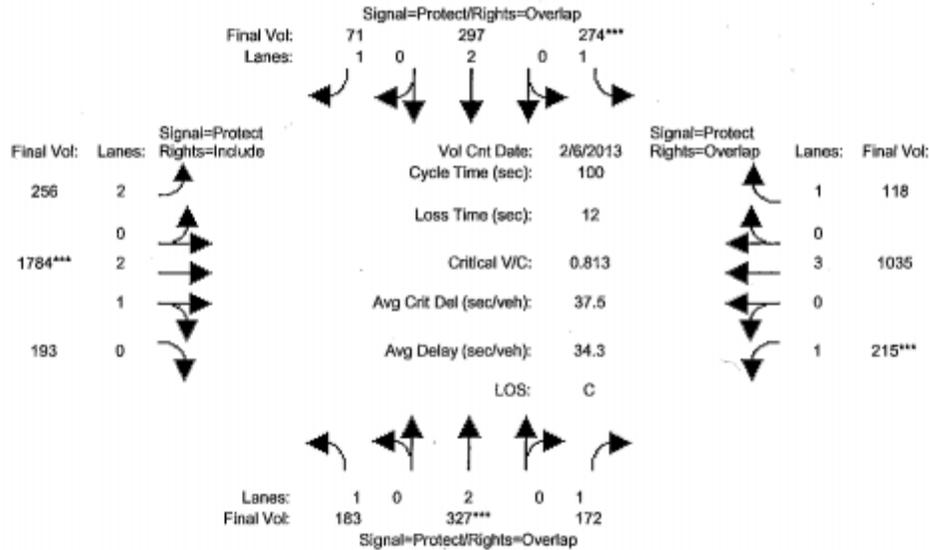
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.75	0.25	1.00	1.83	0.17	1.00	1.42	0.58	1.00	1.00	1.00
Final Sat.:	1750	3321	442	1750	3486	289	1750	2694	1019	1750	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	0.09	0.08	0.08	0.22	0.22	0.28
Volume/Cap:	0.17	0.48	0.48	0.48	0.31	0.31	0.58	0.48	0.48	0.48	0.60	0.26
Delay/Veh:	50.6	19.7	19.7	76.6	24.8	24.8	75.8	66.0	66.0	50.7	54.8	39.9
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:	50.6	19.7	19.7	76.6	24.8	24.8	75.8	66.0	66.0	50.7	54.8	39.9
LOS by Move:	D	B	B	E	C	C	E	E	E	D	D	D
HCM2kAvgQ:	48	329	329	60	177	177	116	87	87	191	246	111

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

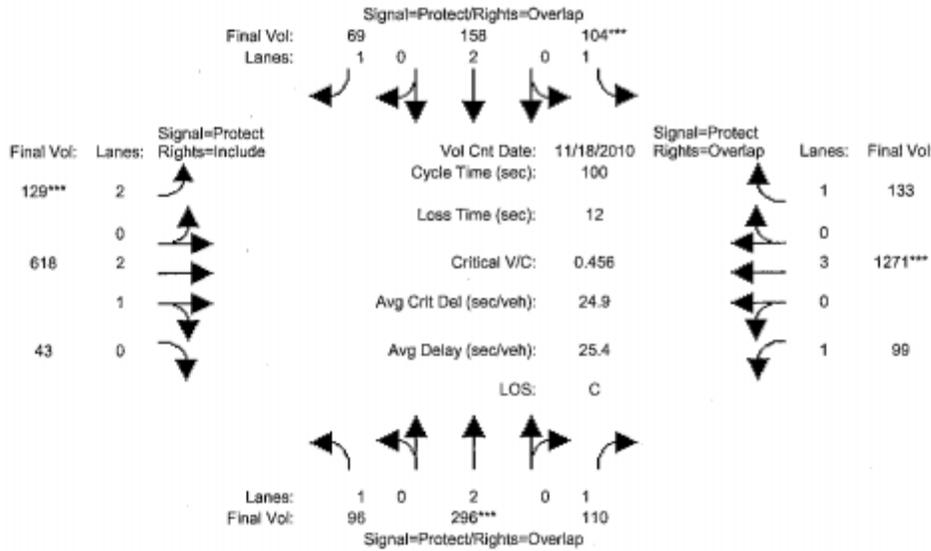
Intersection #1007: Sunnyvale Ave. & El Camino Real



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	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	183	327	172	274	297	71	256	1784	193	215	1035	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	71	256	1784	193	215	1035	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	327	172	274	297	71	256	1784	193	215	1035	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
MLP Adj:	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	71	256	1784	193	215	1035	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	5102	551	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	0.45	0.81	0.81	0.81	0.45	0.11
Delay/Veh:	53.6	60.0	33.1	57.6	43.3	24.2	39.2	28.0	28.0	64.2	22.5	9.0
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:	53.6	60.0	33.1	57.6	43.3	24.2	39.2	28.0	28.0	64.2	22.5	9.0
LOS by Move:	D	E	C	E	D	C	D	C	C	E	C	A
HCM2kAvgQ:	178	180	122	277	123	41	97	414	414	232	195	42
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 #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:	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	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	296	110	104	158	69	129	618	43	99	1271	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	69	129	618	43	99	1271	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	296	110	104	158	69	129	618	43	99	1271	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	69	129	618	43	99	1271	133

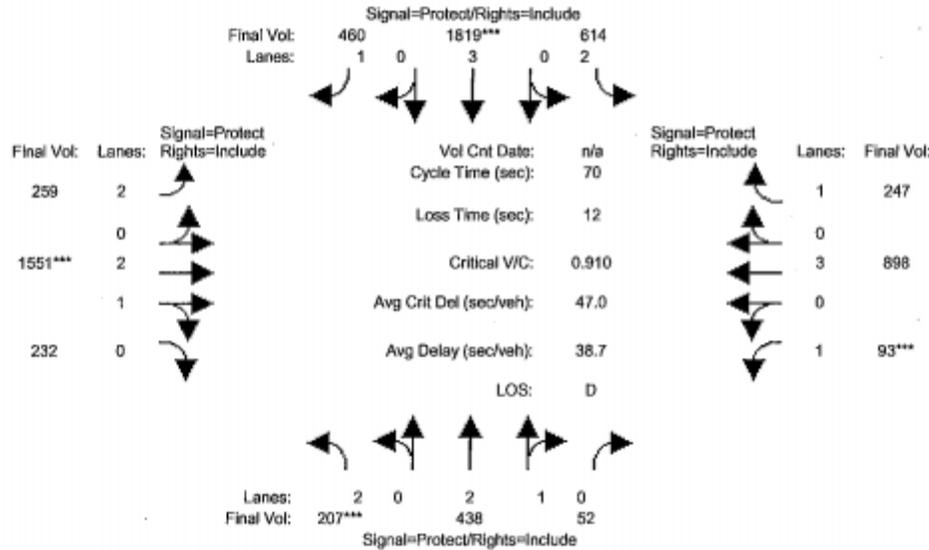
Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	2.00	2.79	0.21	1.00	3.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	3150	5303	366	1750	5700	1750

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
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:	0.44	0.46	0.16	0.46	0.24	0.15	0.46	0.32	0.32	0.26	0.46	0.12
Delay/Veh:	47.1	39.6	20.5	46.7	36.2	28.7	48.4	23.5	23.5	34.1	17.3	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:	47.1	39.6	20.5	46.7	36.2	28.7	48.4	23.5	23.5	34.1	17.3	8.1
LOS by Move:	D	D	C	D	D	C	D	C	C	C	B	A
HCM2kAvgQ:	86	113	59	92	55	44	57	120	120	70	214	45

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 #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:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
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:	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:	207	438	52	614	1819	460	259	1551	232	93	898	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:	207	438	52	614	1819	460	259	1551	232	93	898	247
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	207	438	52	614	1819	460	259	1551	232	93	898	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
Final Volume:	207	438	52	614	1819	460	259	1551	232	93	898	247

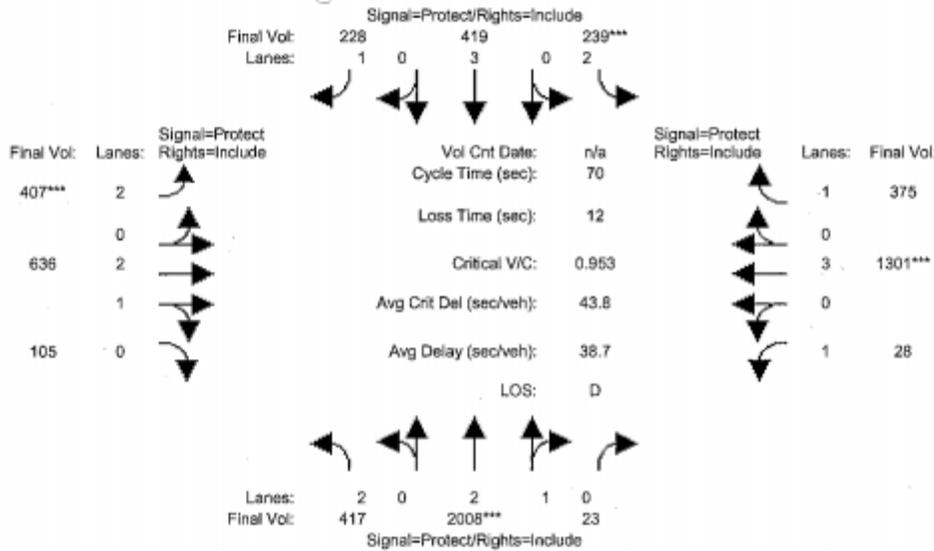
Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	2.66	0.34	2.00	3.00	1.00	2.00	2.58	0.42	1.00	3.00	1.00
Final Sat.:	3150	5045	603	3150	5700	1750	3150	4904	733	1750	5700	1750

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Vol/Sat:	0.07	0.09	0.09	0.19	0.32	0.26	0.08	0.32	0.32	0.05	0.16	0.14
Crit Moves:	****			****			****			****		
Green/Cycle:	0.10	0.18	0.18	0.24	0.32	0.32	0.16	0.31	0.31	0.10	0.25	0.25
Volume/Cap:	0.66	0.49	0.49	0.81	1.01	0.83	0.51	1.01	1.01	0.53	0.62	0.56
Delay/Veh:	35.3	26.4	26.4	31.8	47.8	32.7	27.8	48.1	48.1	33.0	24.1	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:	35.3	26.4	26.4	31.8	47.8	32.7	27.8	48.1	48.1	33.0	24.1	24.4
LOS by Move:	D	C	C	C	D	C	C	D	D	C	C	C
HCM2kAvgQ:	68	80	80	253	523	321	95	519	519	52	143	124

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 #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:	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:	417	2008	23	239	419	228	407	636	105	28	1301	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:	417	2008	23	239	419	228	407	636	105	28	1301	375
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	417	2008	23	239	419	228	407	636	105	28	1301	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:	417	2008	23	239	419	228	407	636	105	28	1301	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	2.54	0.46	1.00	3.00	1.00
Final Sat.:	3150	5629	65	3150	5700	1750	3150	4835	797	1750	5700	1750

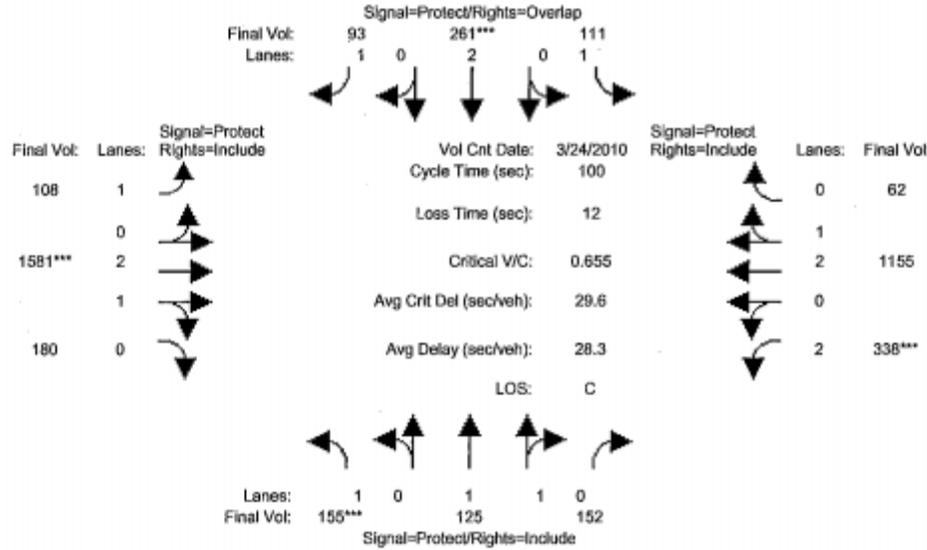
Capacity Analysis Module:

Vol/Sat:	0.13	0.36	0.36	0.08	0.07	0.13	0.13	0.13	0.13	0.02	0.23	0.21
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.36	0.36	0.10	0.24	0.24	0.13	0.21	0.21	0.15	0.23	0.23
Volume/Cap:	0.59	0.98	0.98	0.76	0.31	0.54	0.98	0.61	0.61	0.11	0.98	0.92
Delay/Veh:	25.7	37.3	37.3	40.9	21.9	24.6	69.1	25.8	25.8	25.9	46.7	52.3
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:	25.7	37.3	37.3	40.9	21.9	24.6	69.1	25.8	25.8	25.9	46.7	52.3
LOS by Move:	C	D	D	D	C	C	E	C	C	C	D	D
HCM2kAvgQ:	122	464	464	125	67	133	250	147	147	14	301	254

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 #1005: Hollenbeck Ave. & El Camino Real

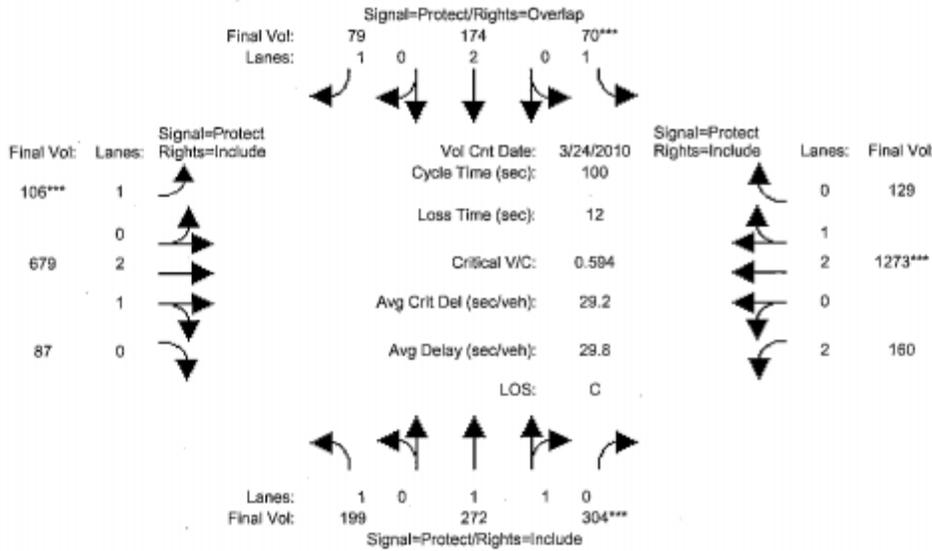


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 24 Mar 2010 <<												
Base Vol:	123	99	121	88	207	74	91	1329	151	284	971	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	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	155	125	152	111	261	93	108	1581	180	338	1155	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	1581	180	338	1155	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	125	152	111	261	93	108	1581	180	338	1155	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	1581	180	338	1155	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	2.67	0.33	2.00	2.84	0.16
Final Sat.:	1750	1900	1750	1750	3800	1750	1750	5074	577	3150	5387	288
Capacity Analysis Module:												
Vol/Sat:	0.09	0.07	0.09	0.06	0.07	0.05	0.06	0.31	0.31	0.11	0.21	0.21
Crit Moves:	****				****			****		****		
Green/Cycle:	0.14	0.14	0.14	0.10	0.10	0.26	0.16	0.48	0.48	0.16	0.48	0.48
Volume/Cap:	0.65	0.46	0.62	0.64	0.65	0.20	0.39	0.65	0.65	0.65	0.44	0.44
Delay/Veh:	54.3	42.1	46.6	60.1	51.1	29.7	42.0	21.2	21.2	45.5	17.6	17.6
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:	54.3	42.1	46.6	60.1	51.1	29.7	42.0	21.2	21.2	45.5	17.6	17.6
LOS by Move:	D	D	D	E	D	C	D	C	C	D	B	B
HCM2kAvgQ:	130	89	125	118	127	61	78	341	341	175	206	206

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 #1005: Hollenbeck Ave. & El Camino Real

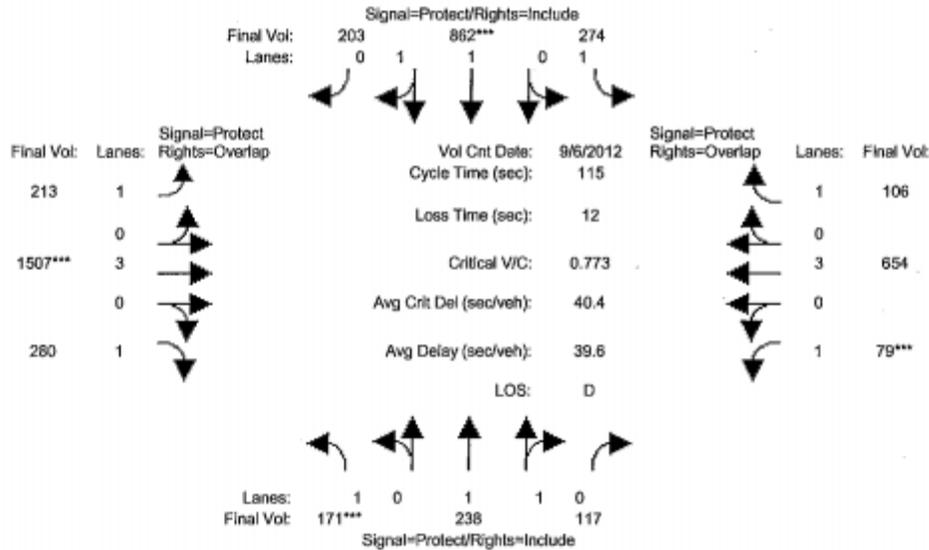


Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 24 Mar 2010 <<												
Base Vol:	159	217	243	56	139	63	87	557	71	131	1044	106
Growth 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	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	199	272	304	70	174	79	106	679	87	160	1273	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	679	87	160	1273	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	199	272	304	70	174	79	106	679	87	160	1273	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	679	87	160	1273	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	2.64	0.36	2.00	2.70	0.30
Final Sat.:	1750	1900	1750	1750	3800	1750	1750	5007	638	3150	5134	521
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	0.34	0.34	0.18	0.42	0.42
Volume/Cap:	0.59	0.49	0.60	0.57	0.27	0.17	0.60	0.40	0.40	0.29	0.60	0.60
Delay/Veh:	44.2	30.7	33.0	63.1	37.2	28.6	56.8	25.7	25.7	37.0	23.8	23.8
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:	44.2	30.7	33.0	63.1	37.2	28.6	56.8	25.7	25.7	37.0	23.8	23.8
LOS by Move:	D	C	C	E	D	C	E	C	C	D	C	C
HCM2kAvgQ:	158	175	226	80	62	50	89	150	150	68	289	289

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 #1004: Mary Ave. & El Camino Real

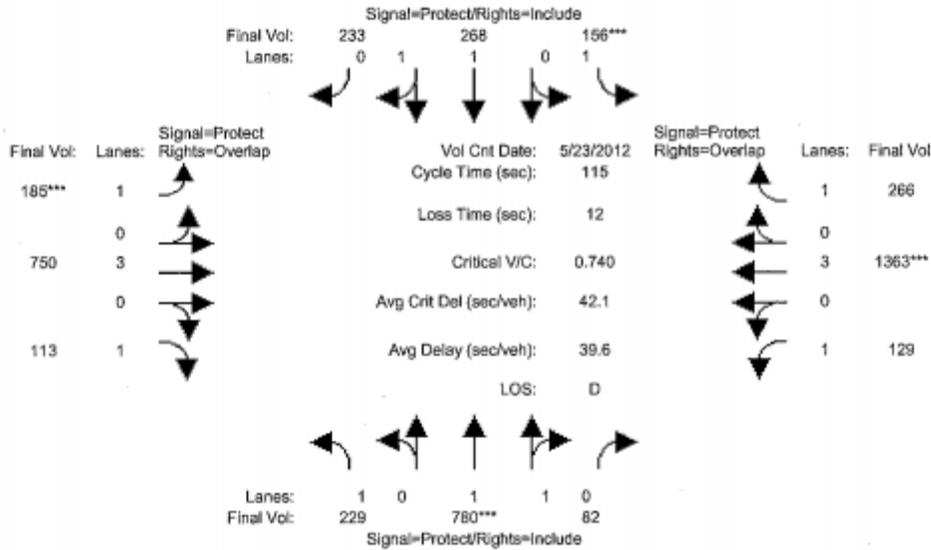


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 6 Sep 2012 << not peak hour 5:00-6:00												
Base Vol:	144	200	98	230	725	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:	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:	171	238	117	274	862	203	213	1507	280	79	654	106
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:	171	238	117	274	862	203	213	1507	280	79	654	106
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	171	238	117	274	862	203	213	1507	280	79	654	106
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:	171	238	117	274	862	203	213	1507	280	79	654	106
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	1.31	0.69	1.00	1.59	0.41	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	2480	1215	1750	3025	714	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.10	0.16	0.29	0.29	0.12	0.26	0.16	0.04	0.11	0.06
Crit Moves:	****			****			****			****		
Green/Cycle:	0.13	0.19	0.19	0.31	0.37	0.37	0.21	0.34	0.47	0.06	0.20	0.50
Volume/Cap:	0.78	0.51	0.51	0.51	0.78	0.78	0.59	0.78	0.34	0.74	0.59	0.12
Delay/Veh:	71.6	44.6	44.6	36.3	36.5	36.5	48.0	37.1	20.6	89.3	44.4	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:	71.6	44.6	44.6	36.3	36.5	36.5	48.0	37.1	20.6	89.3	44.4	15.5
LOS by Move:	E	D	D	D	D	D	D	D	C	F	D	B
HCM2kAvgQ:	177	146	146	220	457	457	200	434	167	83	179	53

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 #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: 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:	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:	229	780	82	156	268	233	185	750	113	129	1363	266
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:	229	780	82	156	268	233	185	750	113	129	1363	266
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	229	780	82	156	268	233	185	750	113	129	1363	266
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:	229	780	82	156	268	233	185	750	113	129	1363	266

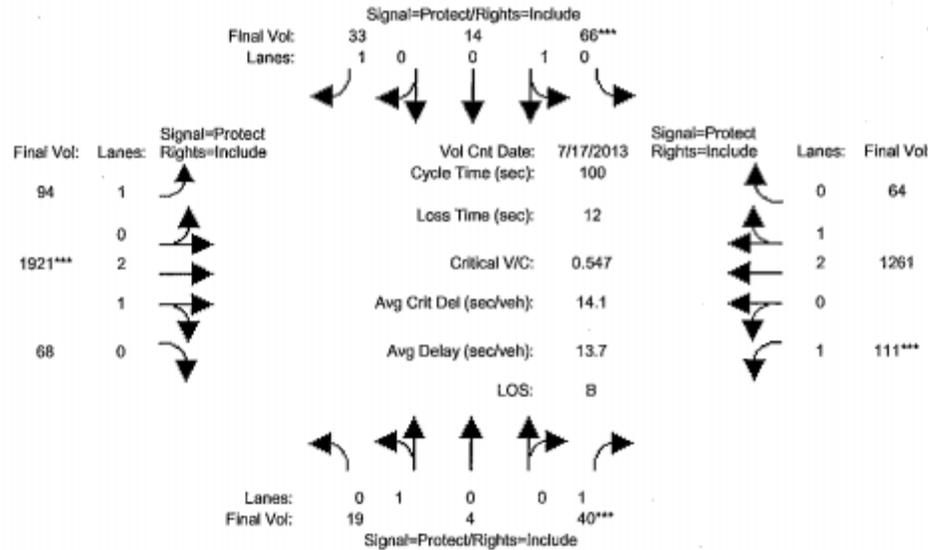
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.80	0.20	1.00	1.03	0.97	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	3412	357	1750	1956	1698	1750	5700	1750	1750	5700	1750

Capacity Analysis Module:												
Vol/Sat:	0.13	0.23	0.23	0.09	0.14	0.14	0.11	0.13	0.06	0.07	0.24	0.15
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.21	0.31	0.31	0.12	0.22	0.22	0.14	0.30	0.51	0.17	0.32	0.44
Volume/Cap:	0.62	0.74	0.74	0.74	0.62	0.62	0.74	0.44	0.13	0.44	0.74	0.34
Delay/Veh:	49.1	39.8	39.8	69.5	44.2	44.2	65.0	33.4	15.2	47.8	37.3	22.2
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:	49.1	39.8	39.8	69.5	44.2	44.2	65.0	33.4	15.2	47.8	37.3	22.2
LOS by Move:	D	D	D	E	D	D	E	C	B	D	D	C
HCM2kAvgQ:	209	370	370	186	227	227	211	180	55	110	371	163

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 #1003: Grape Ave. & El Camino Real

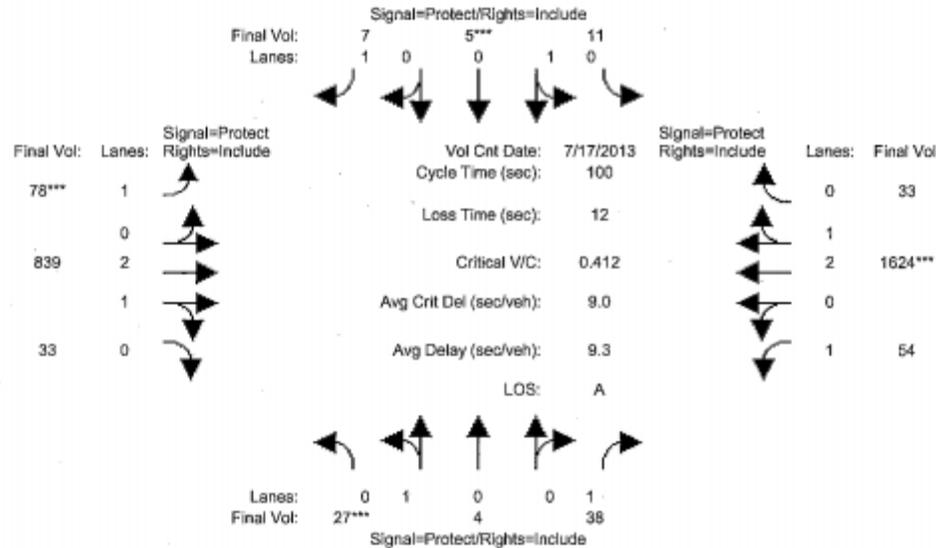


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 17 Jul 2013 << 5:00 PM - 6:00 PM												
Base Vol:	18	4	38	63	13	31	79	1615	57	93	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	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	19	4	40	66	14	33	94	1921	68	111	1261	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	1921	68	111	1261	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	4	40	66	14	33	94	1921	68	111	1261	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	1921	68	111	1261	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	194	1750	5401	275
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.05	0.05	0.02	0.05	0.35	0.35	0.06	0.23	0.23
Crit Moves:			****	****				****		****		
Green/Cycle:	0.03	0.04	0.04	0.08	0.10	0.10	0.14	0.64	0.64	0.12	0.61	0.61
Volume/Cap:	0.47	0.31	0.55	0.55	0.47	0.19	0.38	0.55	0.55	0.55	0.38	0.38
Delay/Veh:	54.7	48.9	55.4	48.4	44.8	42.2	39.9	10.1	10.1	44.9	9.8	9.8
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:	54.7	48.9	55.4	48.4	44.8	42.2	39.9	10.1	10.1	44.9	9.8	9.8
LOS by Move:	D	D	E	D	D	D	D	B	B	D	A	A
HCM2kAvgQ:	35	27	54	84	77	29	67	271	271	106	170	170

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 #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	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	27	4	38	11	5	7	78	839	33	54	1624	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	839	33	54	1624	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	4	38	11	5	7	78	839	33	54	1624	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	839	33	54	1624	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	5467	215	1750	5577	113
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.01	0.01	0.00	0.04	0.15	0.15	0.03	0.29	0.29
Crit Moves:	****			****			****			****		
Green/Cycle:	0.04	0.05	0.05	0.02	0.02	0.02	0.11	0.68	0.68	0.14	0.71	0.71
Volume/Cap:	0.41	0.39	0.47	0.47	0.41	0.18	0.41	0.23	0.23	0.23	0.41	0.41
Delay/Veh:	50.2	49.4	50.8	58.5	55.2	50.4	43.1	6.1	6.1	39.0	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	55.2	50.4	43.1	6.1	6.1	39.0	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	82	82	43	176	176

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