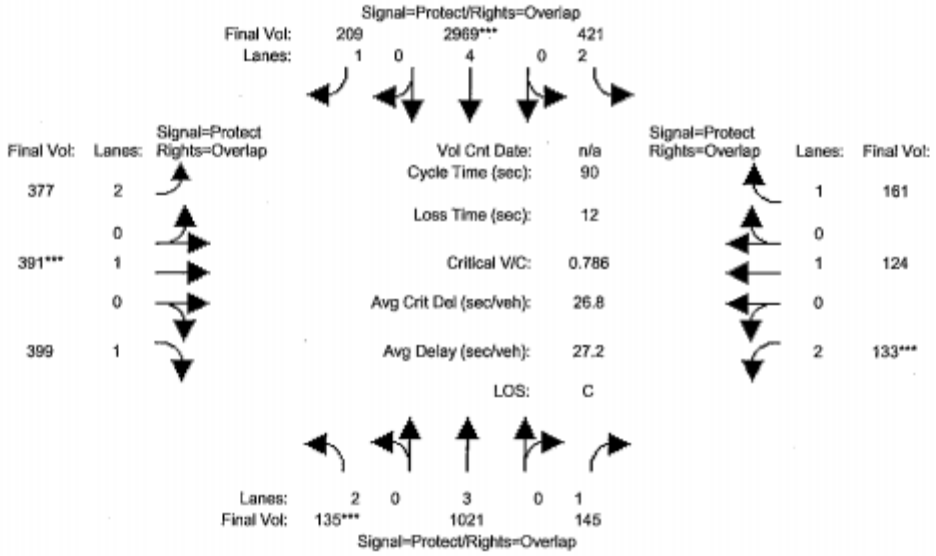
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:												
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	198	3	12	538	112	182	7	70	1	3	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	1021	145	421	2969	209	377	391	399	133	124	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	1021	145	421	2969	209	377	391	399	133	124	161
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	1021	145	421	2969	209	377	391	399	133	124	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	1021	145	421	2969	209	377	391	399	133	124	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	0.47	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	0.71	0.54	0.42	0.24
Delay/Veh:	42.7	26.5	18.5	31.7	23.0	7.0	40.0	45.0	30.8	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	31.7	23.0	7.0	40.0	45.0	30.8	42.4	35.3	18.8
LOS by Move:	D	C	B	C	C	A	D	D	C	D	D	B
HCM2kAvgQ:	76	211	72	143	418	60	187	325	292	53	75	77

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

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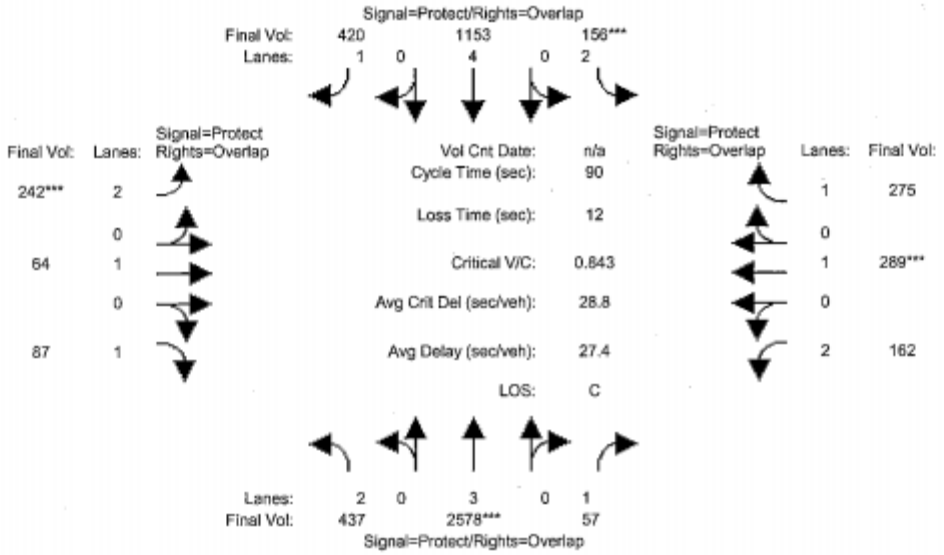
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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	567	1	-1	230	230	134	3	27	3	7	12
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	437	2578	57	156	1153	420	242	64	87	162	289	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	2578	57	156	1153	420	242	64	87	162	289	275
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	437	2578	57	156	1153	420	242	64	87	162	289	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
FinalVolume:	437	2578	57	156	1153	420	242	64	87	162	289	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	0.33	0.41	0.09	0.16	0.43	0.11	0.18	0.25
Volume/Cap:	0.50	0.86	0.05	0.64	0.47	0.58	0.86	0.22	0.11	0.47	0.86	0.62
Delay/Veh:	27.8	21.5	6.3	45.7	24.3	21.5	63.5	33.5	15.3	38.7	56.1	32.4
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:	27.8	21.5	6.3	45.7	24.3	21.5	63.5	33.5	15.3	38.7	56.1	32.4
LOS by Move:	C	C	A	D	C	C	E	C	B	D	E	C
HCM2kAvgQ:	163	590	16	63	150	232	167	42	39	63	219	183

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

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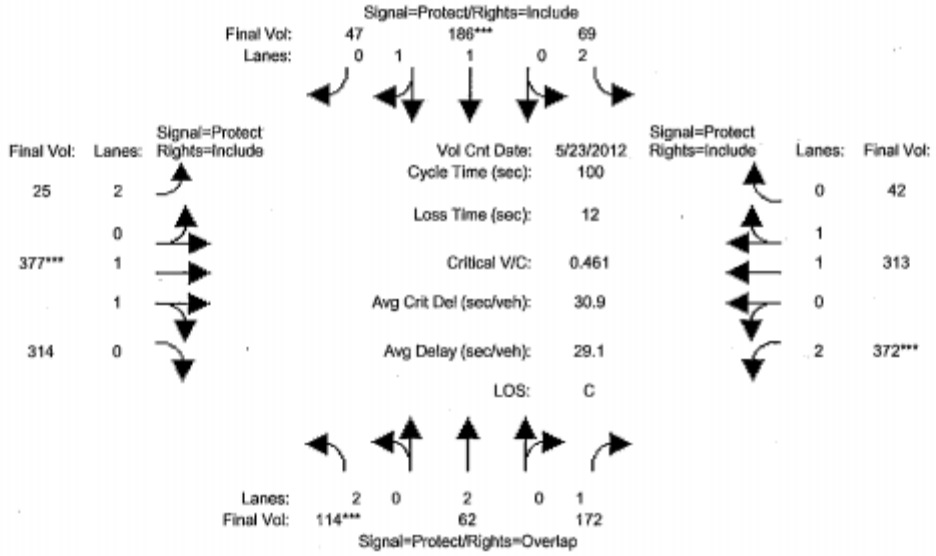
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	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:	0	0	19	0	0	0	0	-7	0	144	120	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	114	62	172	69	186	47	25	377	314	372	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:	114	62	172	69	186	47	25	377	314	372	313	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	114	62	172	69	186	47	25	377	314	372	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
FinalVolume:	114	62	172	69	186	47	25	377	314	372	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	1996	1662	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	0.14	0.14	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:	50.1	39.4	22.1	44.6	42.9	42.9	26.6	22.5	22.5	33.3	20.8	20.8
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:	50.1	39.4	22.1	44.6	42.9	42.9	26.6	22.5	22.5	33.3	20.8	20.8
LOS by Move:	D	D	C	D	D	D	C	C	C	C	C	C
HCM2kAvgQ:	52	21	96	35	96	96	8	203	203	152	92	92

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

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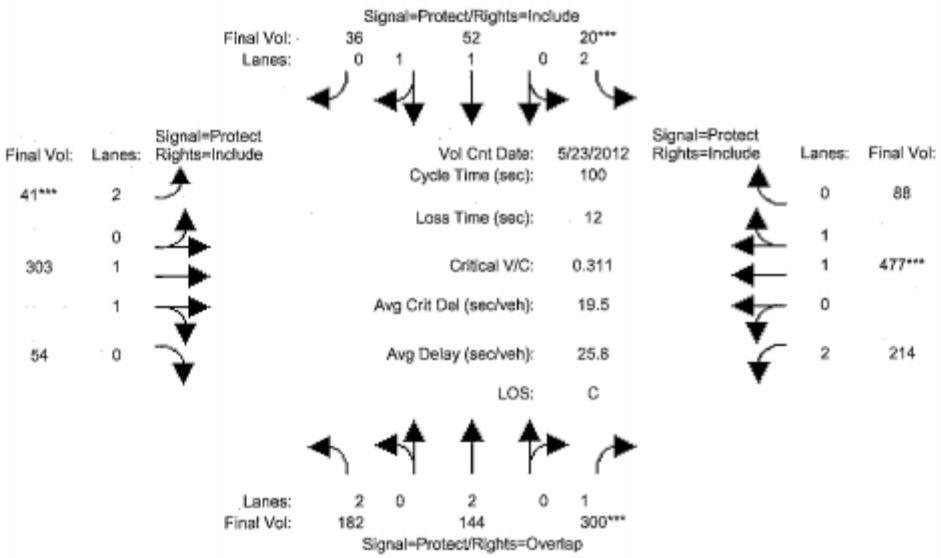
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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 << 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:	0	0	153	0	0	0	0	153	0	17	-3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	182	144	300	20	52	36	41	303	54	214	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:	182	144	300	20	52	36	41	303	54	214	477	88
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	182	144	300	20	52	36	41	303	54	214	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
FinalVolume:	182	144	300	20	52	36	41	303	54	214	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	1.68	0.32	2.00	1.67	0.33
Final Sat.:	3150	3800	1750	3150	2169	1502	3150	3184	567	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	0.32	0.34	0.34
Delay/Veh:	40.5	25.9	15.6	44.3	31.7	31.7	45.7	27.7	27.7	34.7	18.9	18.9
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:	40.5	25.9	15.6	44.3	31.7	31.7	45.7	27.7	27.7	34.7	18.9	18.9
LOS by Move:	D	C	B	D	C	C	D	C	C	C	B	B
HCM2kAvgQ:	75	39	147	10	29	29	18	106	106	88	143	143

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

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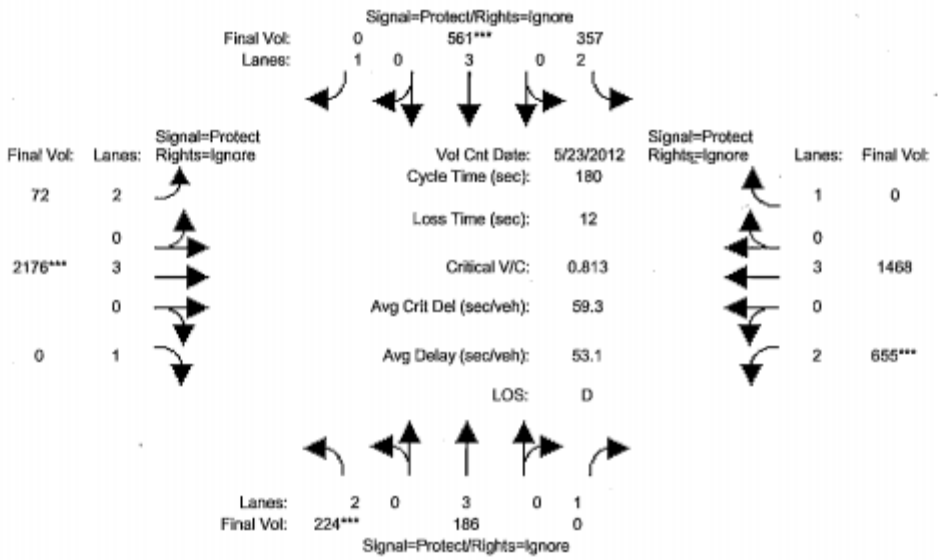
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	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:	0	22	0	0	129	15	-3	45	0	0	77	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	224	186	324	357	561	161	72	2176	795	655	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:	224	186	0	357	561	0	72	2176	0	655	1468	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	224	186	0	357	561	0	72	2176	0	655	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:	224	186	0	357	561	0	72	2176	0	655	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	0.56	0.00
Volume/Cap:	0.81	0.48	0.00	0.81	0.81	0.00	0.14	0.81	0.00	0.81	0.46	0.00
Delay/Veh:	103.2	84.8	0.0	90.0	87.3	0.0	64.3	43.8	0.0	71.8	24.3	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:	103.2	84.8	0.0	90.0	87.3	0.0	64.3	43.8	0.0	71.8	24.3	0.0
LOS by Move:	F	F	A	F	F	A	E	D	A	E	C	A
HCM2kAvgQ:	206	84	0	313	275	0	49	900	0	548	386	0

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

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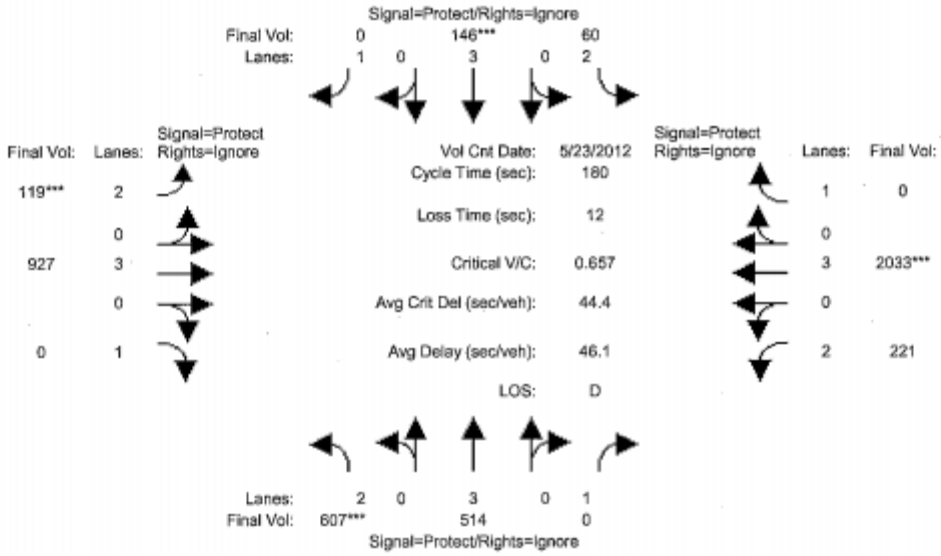
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	0	134	0	0	19	-2	19	74	0	0	34	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	607	514	517	60	146	143	119	927	146	221	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:	607	514	0	60	146	0	119	927	0	221	2033	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	607	514	0	60	146	0	119	927	0	221	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
FinalVolume:	607	514	0	60	146	0	119	927	0	221	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	0.46	0.00	0.49	0.33	0.00	0.66	0.69	0.00
Delay/Veh:	62.0	68.2	0.0	65.9	87.2	0.0	86.3	28.1	0.0	87.4	33.6	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:	62.0	68.2	0.0	65.9	87.2	0.0	86.3	28.1	0.0	87.4	33.6	0.0
LOS by Move:	E	E	A	E	F	A	F	C	A	F	C	A
HCM2kAvgQ:	460	212	0	42	67	0	97	256	0	201	685	0

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

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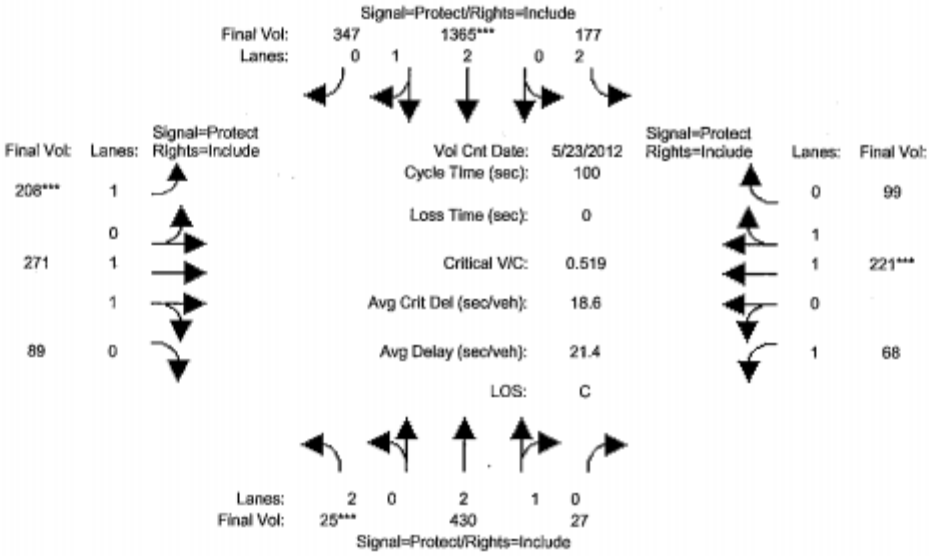
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	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	23	0	0	120	9	-2	1	0	0	19	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	430	27	177	1365	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	430	27	177	1365	347	208	271	89	68	221	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	430	27	177	1365	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
FinalVolume:	25	430	27	177	1365	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	2.81	0.19	2.00	2.35	0.65	1.00	1.47	0.53	1.00	1.35	0.65
Final Sat.:	3150	5336	335	3150	4467	1136	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	0.25	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:	58.5	22.6	22.6	30.1	12.3	12.3	34.9	28.7	28.7	41.9	38.8	38.8
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:	58.5	22.6	22.6	30.1	12.3	12.3	34.9	28.7	28.7	41.9	38.8	38.8
LOS by Move:	E	C	C	C	B	B	C	C	C	D	D	D
HCM2kAvgQ:	29	82	82	61	249	249	148	107	107	51	112	112

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

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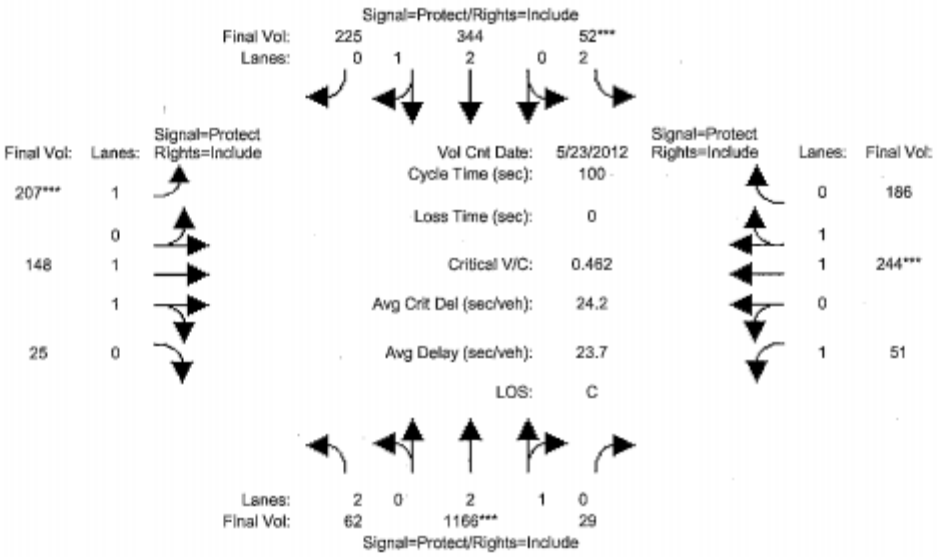
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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 << 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	123	0	0	20	-1	12	23	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	62	1166	29	52	344	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	1166	29	52	344	225	207	148	25	51	244	186
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	1166	29	52	344	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
FinalVolume:	62	1166	29	52	344	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	5550	138	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	0.45	0.45	0.04	0.43	0.43	0.26	0.31	0.31	0.20	0.25	0.25
Volume/Cap:	0.30	0.46	0.46	0.46	0.21	0.30	0.46	0.15	0.15	0.15	0.46	0.46
Delay/Veh:	45.4	19.0	19.0	50.3	18.2	19.1	32.2	24.8	24.8	33.4	31.9	31.9
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:	45.4	19.0	19.0	50.3	18.2	19.1	32.2	24.8	24.8	33.4	31.9	31.9
LOS by Move:	D	B	B	D	B	B	C	C	C	C	C	C
HCM2kAvgQ:	35	213	213	24	79	118	141	46	46	34	141	141

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

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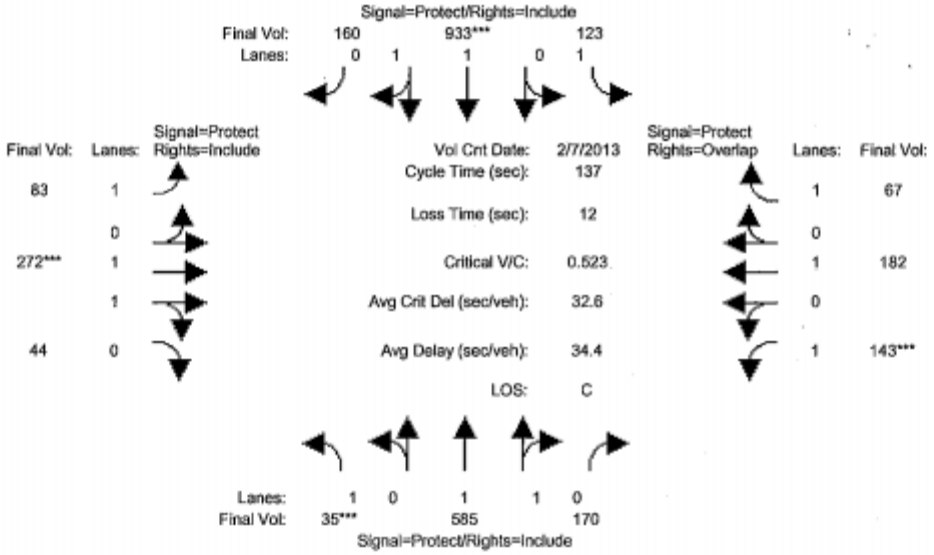
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	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	5	-3	-2	0	0	3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	35	585	170	123	933	160	83	272	44	143	182	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	160	83	272	44	143	182	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	585	170	123	933	160	83	272	44	143	182	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
FinalVolume:	35	585	170	123	933	160	83	272	44	143	182	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	1.69	0.31	1.00	1.70	0.30	1.00	1.00	1.00
Final Sat.:	1750	2889	839	1750	3204	549	1750	3232	523	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.20	0.20	0.07	0.29	0.29	0.05	0.08	0.08	0.08	0.10	0.04
Crit Moves:	****				****			****			****	
Green/Cycle:	0.05	0.45	0.45	0.15	0.55	0.55	0.11	0.16	0.16	0.15	0.20	0.36
Volume/Cap:	0.39	0.45	0.45	0.45	0.53	0.53	0.44	0.53	0.53	0.53	0.47	0.11
Delay/Veh:	75.3	27.3	27.3	58.1	20.7	20.7	64.2	56.3	56.3	60.7	52.1	29.7
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:	75.3	27.3	27.3	58.1	20.7	20.7	64.2	56.3	56.3	60.7	52.1	29.7
LOS by Move:	E	C	C	E	C	C	E	E	E	E	D	C
HCM2kAvgQ:	39	277	277	127	372	372	99	166	166	163	174	49

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

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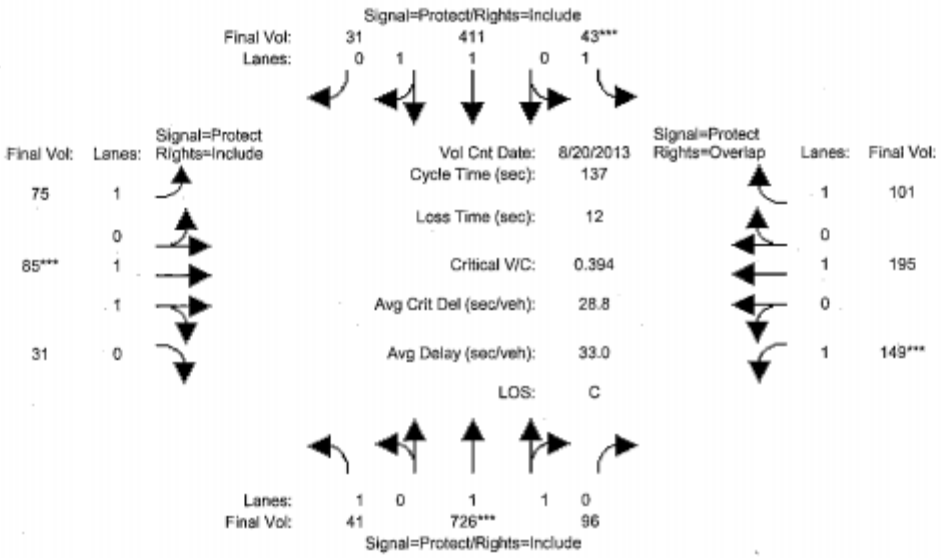
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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	-2	6	3	0	0	-1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	41	726	96	43	411	31	75	85	31	149	195	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	31	75	85	31	149	195	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	41	726	96	43	411	31	75	85	31	149	195	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
FinalVolume:	41	726	96	43	411	31	75	85	31	149	195	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	1.85	0.15	1.00	1.43	0.57	1.00	1.00	1.00
Final Sat.:	1750	3323	439	1750	3512	265	1750	2722	993	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:	0.12	0.39	0.39	0.39	0.27	0.27	0.44	0.39	0.39	0.39	0.52	0.22
Delay/Veh:	47.1	17.9	17.9	72.1	25.7	25.7	66.1	63.9	63.9	49.1	54.3	41.0
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:	47.1	17.9	17.9	72.1	25.7	25.7	66.1	63.9	63.9	49.1	54.3	41.0
LOS by Move:	D	B	B	E	C	C	E	E	E	D	D	D
HCM2kAvgQ:	38	251	251	48	149	149	91	69	69	148	192	89

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

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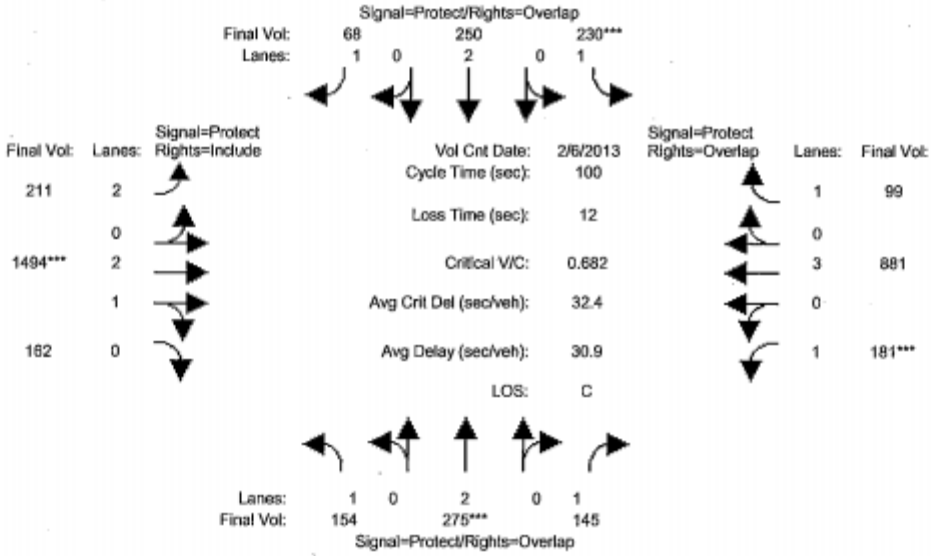
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	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	8	-4	-6	0	0	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	154	275	145	230	250	68	211	1494	162	181	881	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	68	211	1494	162	181	881	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	154	275	145	230	250	68	211	1494	162	181	881	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	68	211	1494	162	181	881	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	2.68	0.32	1.00	3.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	3150	5100	553	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	0.15	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	0.41	0.11	0.37	0.68	0.68	0.68	0.39	0.10
Delay/Veh:	52.2	52.1	31.9	48.2	39.9	23.0	37.8	24.6	24.6	53.4	21.8	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:	52.2	52.1	31.9	48.2	39.9	23.0	37.8	24.6	24.6	53.4	21.8	9.0
LOS by Move:	D	D	C	D	D	C	D	C	C	D	C	A
HCM2kAvgQ:	147	136	100	209	95	38	79	321	321	175	160	35

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

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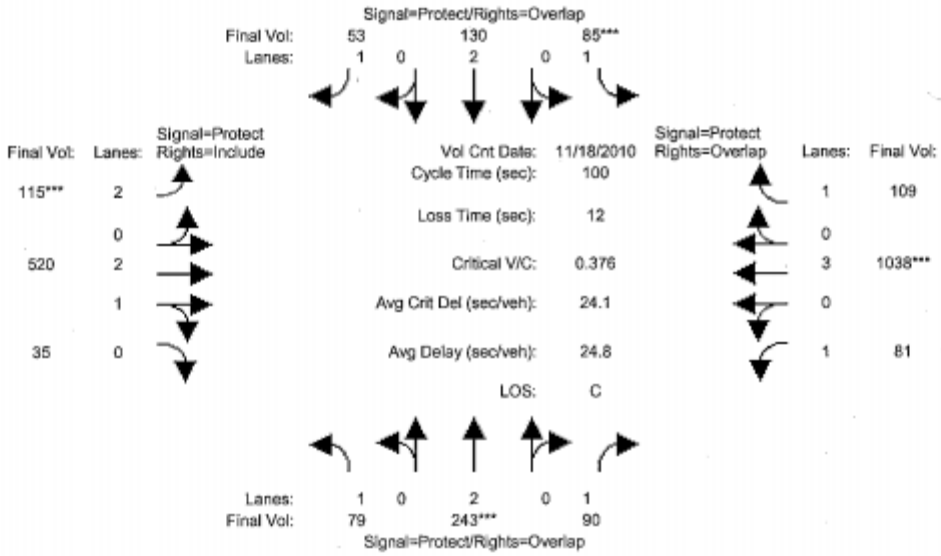
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	1.00	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	-4	9	13	0	0	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	79	243	90	85	130	53	115	520	35	81	1038	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	53	115	520	35	81	1038	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	243	90	85	130	53	115	520	35	81	1038	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
FinalVolume:	79	243	90	85	130	53	115	520	35	81	1038	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	5312	358	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	0.18	0.27	0.10	0.34	0.34	0.24	0.48	0.61
Volume/Cap:	0.37	0.38	0.13	0.38	0.19	0.11	0.38	0.29	0.29	0.19	0.38	0.10
Delay/Veh:	45.0	38.5	18.8	44.6	35.8	27.7	45.8	24.4	24.4	31.4	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:	45.0	38.5	18.8	44.6	35.8	27.7	45.8	24.4	24.4	31.4	16.7	8.2
LOS by Move:	D	D	B	D	D	C	D	C	C	C	B	A
HCM2kAvgQ:	69	90	46	73	45	33	50	101	101	55	167	37

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

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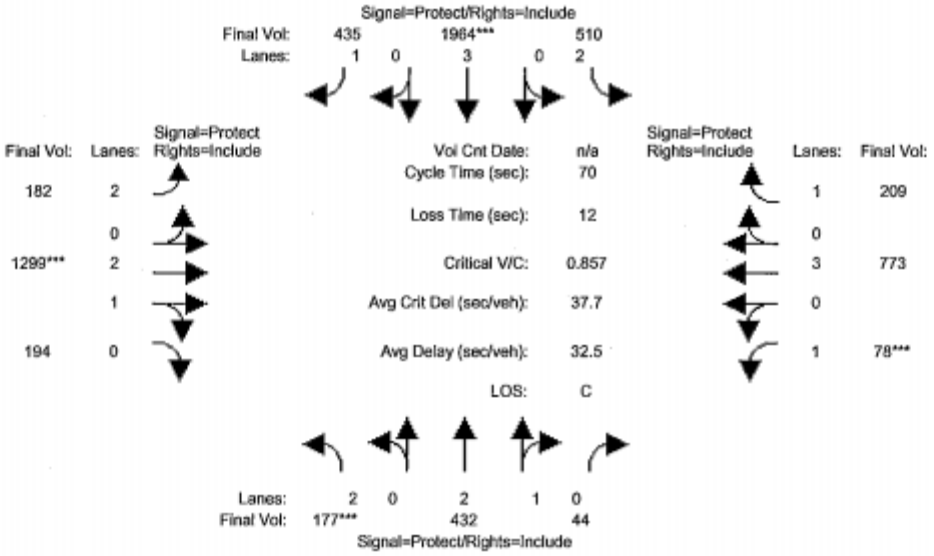
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	174	368	44	516	1529	387	218	1304	195	78	755	208
Added Vol:	3	64	0	-6	435	48	-36	-5	-1	0	18	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	177	432	44	510	1964	435	182	1299	194	78	773	209
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:	177	432	44	510	1964	435	182	1299	194	78	773	209
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	177	432	44	510	1964	435	182	1299	194	78	773	209
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:	177	432	44	510	1964	435	182	1299	194	78	773	209
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	2.70	0.30	2.00	3.00	1.00	2.00	2.58	0.42	1.00	3.00	1.00
Final Sat.:	3150	5132	523	3150	5700	1750	3150	4905	732	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.08	0.08	0.16	0.34	0.25	0.06	0.26	0.26	0.04	0.14	0.12
Crit Moves:	****				****			****			****	
Green/Cycle:	0.10	0.21	0.21	0.24	0.36	0.36	0.15	0.27	0.27	0.10	0.22	0.22
Volume/Cap:	0.56	0.39	0.39	0.67	0.97	0.70	0.38	0.97	0.97	0.45	0.62	0.54
Delay/Veh:	32.3	23.9	23.9	26.3	35.7	22.9	27.1	41.4	41.4	31.5	25.6	25.8
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:	32.3	23.9	23.9	26.3	35.7	22.9	27.1	41.4	41.4	31.5	25.6	25.8
LOS by Move:	C	C	C	C	D	C	C	D	D	C	C	C
HCM2kAvgQ:	56	72	72	181	509	251	63	417	417	43	126	107

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

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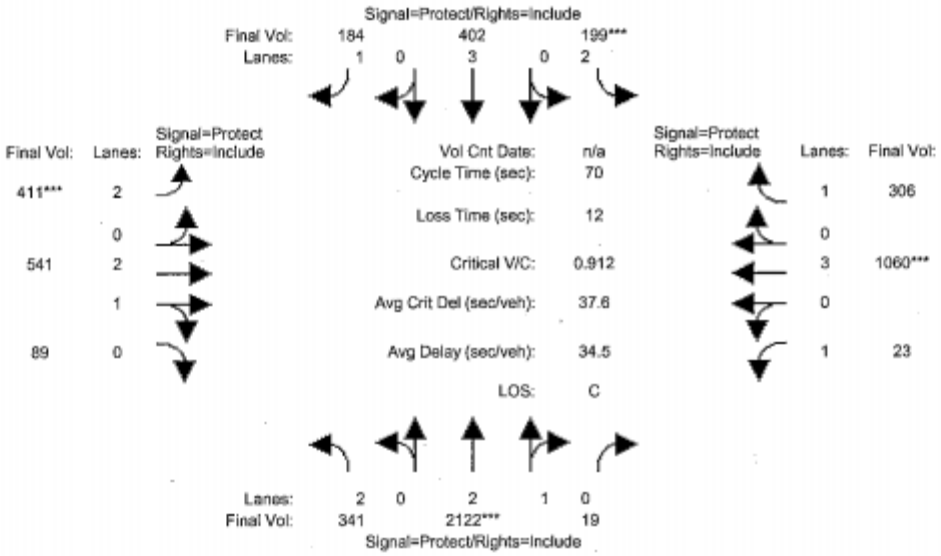
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	342	1647	19	196	344	187	334	522	86	23	1067	308
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:	342	1647	19	196	344	187	334	522	86	23	1067	308
Added Vol:	-1	475	0	3	58	-3	77	19	3	0	-7	-2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	341	2122	19	199	402	184	411	541	89	23	1060	306
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:	341	2122	19	199	402	184	411	541	89	23	1060	306
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	341	2122	19	199	402	184	411	541	89	23	1060	306
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:	341	2122	19	199	402	184	411	541	89	23	1060	306
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	2.97	0.03	2.00	3.00	1.00	2.00	2.55	0.45	1.00	3.00	1.00
Final Sat.:	3150	5645	51	3150	5700	1750	3150	4836	796	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.11	0.38	0.38	0.06	0.07	0.11	0.13	0.11	0.11	0.01	0.19	0.17
Crit Moves:		****		****			****				****	
Green/Cycle:	0.21	0.40	0.40	0.10	0.28	0.28	0.14	0.20	0.20	0.14	0.20	0.20
Volume/Cap:	0.51	0.95	0.95	0.63	0.25	0.37	0.95	0.57	0.57	0.10	0.95	0.89
Delay/Veh:	24.9	30.3	30.3	34.4	19.5	20.6	60.8	26.2	26.2	26.6	44.2	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:	24.9	30.3	30.3	34.4	19.5	20.6	60.8	26.2	26.2	26.6	44.2	51.7
LOS by Move:	C	C	C	C	B	C	E	C	C	C	D	D
HCM2kAvgQ:	97	455	455	93	59	93	240	125	125	11	237	204

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

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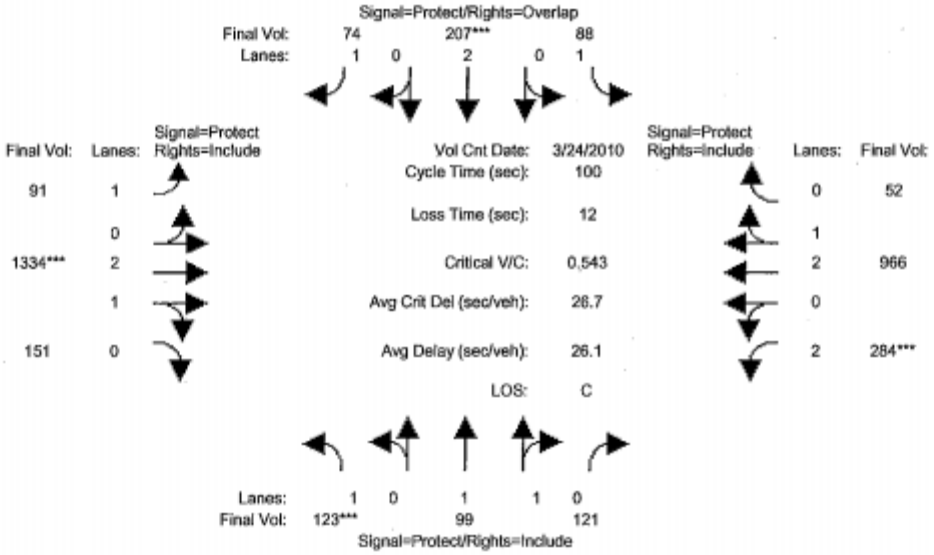
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	123	99	121	88	207	74	91	1329	151	284	971	52
Added Vol:	0	0	0	0	0	0	0	5	0	0	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	123	99	121	88	207	74	91	1334	151	284	966	52
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:	123	99	121	88	207	74	91	1334	151	284	966	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	123	99	121	88	207	74	91	1334	151	284	966	52
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:	123	99	121	88	207	74	91	1334	151	284	966	52
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	2.83	0.17
Final Sat.:	1750	1900	1750	1750	3800	1750	1750	5076	575	3150	5385	290
Capacity Analysis Module:												
Vol/Sat:	0.07	0.05	0.07	0.05	0.05	0.04	0.05	0.26	0.26	0.09	0.18	0.18
Crit Moves:	****				****			****		****		
Green/Cycle:	0.13	0.14	0.14	0.09	0.10	0.28	0.18	0.48	0.48	0.17	0.47	0.47
Volume/Cap:	0.54	0.39	0.51	0.53	0.54	0.15	0.28	0.54	0.54	0.54	0.38	0.38
Delay/Veh:	49.8	41.4	44.5	54.8	48.3	27.5	37.5	18.8	18.8	42.2	17.7	17.7
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:	49.8	41.4	44.5	54.8	48.3	27.5	37.5	18.8	18.8	42.2	17.7	17.7
LOS by Move:	D	D	D	D	D	C	D	B	B	D	B	B
HCM2kAvgQ:	99	69	96	89	95	46	63	265	265	137	169	169

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

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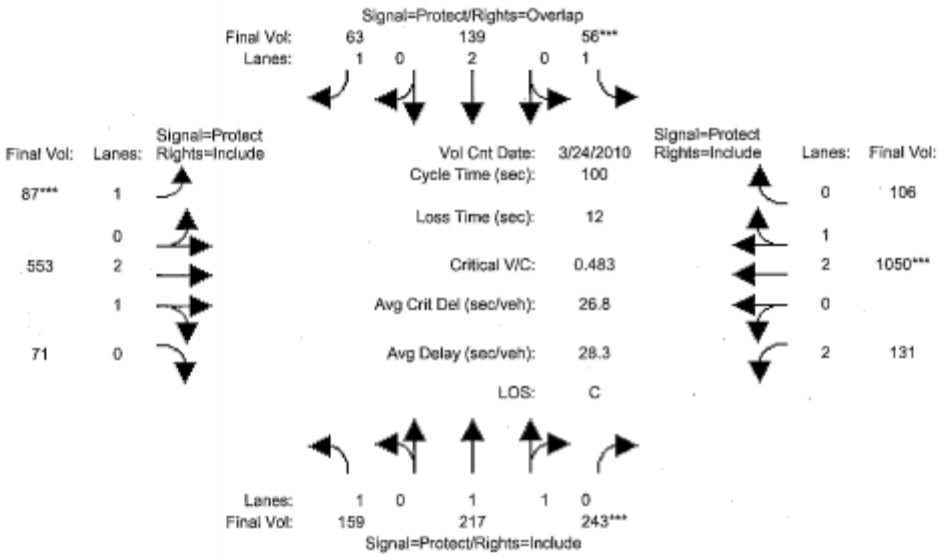
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	159	217	243	56	139	63	87	557	71	131	1044	106
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:	159	217	243	56	139	63	87	557	71	131	1044	106
Added Vol:	0	0	0	0	0	0	0	-4	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	159	217	243	56	139	63	87	553	71	131	1050	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:	159	217	243	56	139	63	87	553	71	131	1050	106
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	217	243	56	139	63	87	553	71	131	1050	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
FinalVolume:	159	217	243	56	139	63	87	553	71	131	1050	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	0.83	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.63	0.37	2.00	2.70	0.30
Final Sat.:	1750	1900	1750	1750	3800	1750	1750	5003	642	3150	5137	519
Capacity Analysis Module:												
Vol/Sat:	0.09	0.11	0.14	0.03	0.04	0.04	0.05	0.11	0.11	0.04	0.20	0.20
Crit Moves:			****	****			****				****	
Green/Cycle:	0.17	0.29	0.29	0.07	0.19	0.29	0.10	0.32	0.32	0.20	0.42	0.42
Volume/Cap:	0.54	0.40	0.49	0.46	0.20	0.12	0.49	0.34	0.34	0.20	0.49	0.49
Delay/Veh:	44.7	29.8	31.4	56.5	35.0	26.7	51.5	26.5	26.5	33.9	21.8	21.8
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:	44.7	29.8	31.4	56.5	35.0	26.7	51.5	26.5	26.5	33.9	21.8	21.8
LOS by Move:	D	C	C	E	C	C	D	C	C	C	C	C
HCM2kAvgQ:	125	135	170	60	47	39	70	122	122	52	219	219

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

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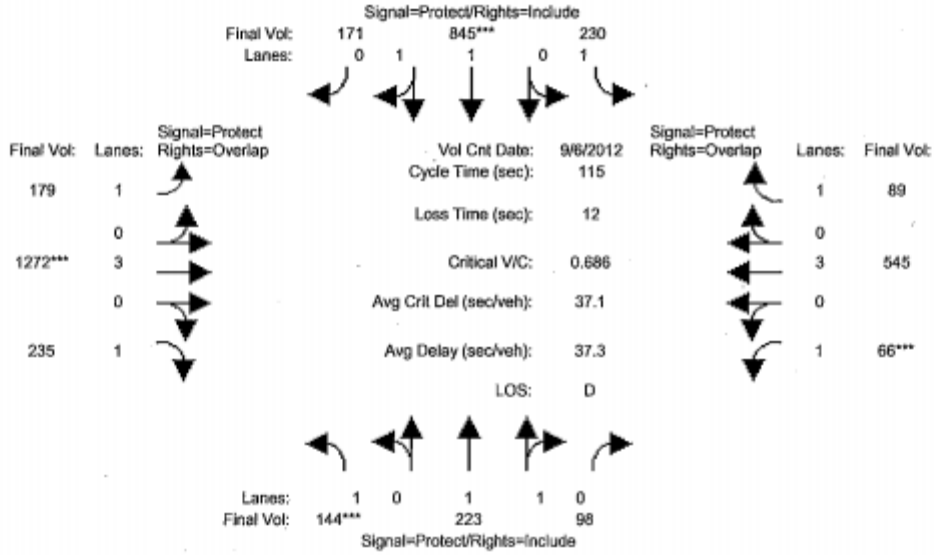
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	144	200	98	230	725	171	179	1267	235	66	550	89
Added Vol:	0	23	0	0	120	0	0	5	0	0	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	144	223	98	230	845	171	179	1272	235	66	545	89
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	223	98	230	845	171	179	1272	235	66	545	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	144	223	98	230	845	171	179	1272	235	66	545	89
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:	144	223	98	230	845	171	179	1272	235	66	545	89
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	1.35	0.65	1.00	1.64	0.36	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	2573	1131	1750	3115	630	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.09	0.09	0.13	0.27	0.27	0.10	0.22	0.13	0.04	0.10	0.05
Crit Moves:	****				****			****			****	
Green/Cycle:	0.12	0.20	0.20	0.31	0.39	0.39	0.20	0.32	0.44	0.06	0.19	0.49
Volume/Cap:	0.69	0.43	0.43	0.43	0.69	0.69	0.52	0.69	0.30	0.62	0.52	0.10
Delay/Veh:	65.8	41.7	41.7	34.2	31.8	31.8	46.5	36.1	21.7	76.8	44.0	15.8
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:	65.8	41.7	41.7	34.2	31.8	31.8	46.5	36.1	21.7	76.8	44.0	15.8
LOS by Move:	E	D	D	C	C	C	D	D	C	E	D	B
HCM2kAvgQ:	142	126	126	177	395	395	164	346	142	66	146	45

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

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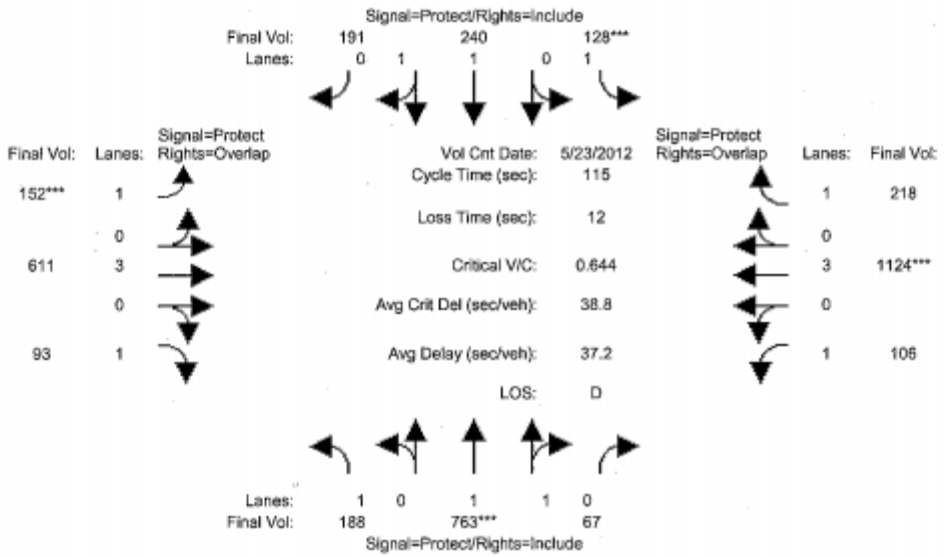
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	188	640	67	128	220	191	152	615	93	106	1118	218
Added Vol:	0	123	0	0	20	0	0	-4	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	188	763	67	128	240	191	152	611	93	106	1124	218
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	763	67	128	240	191	152	611	93	106	1124	218
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	188	763	67	128	240	191	152	611	93	106	1124	218
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	763	67	128	240	191	152	611	93	106	1124	218
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	1.83	0.17	1.00	1.07	0.93	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	3469	305	1750	2039	1622	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.11	0.22	0.22	0.07	0.12	0.12	0.09	0.11	0.05	0.06	0.20	0.12
Crit Moves:		****		****			****				****	
Green/Cycle:	0.22	0.34	0.34	0.11	0.24	0.24	0.13	0.28	0.50	0.16	0.31	0.42
Volume/Cap:	0.50	0.64	0.64	0.64	0.50	0.50	0.64	0.38	0.11	0.38	0.64	0.30
Delay/Veh:	44.0	34.5	34.5	63.8	39.9	39.9	59.9	34.0	15.5	47.1	36.3	23.2
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:	44.0	34.5	34.5	63.8	39.9	39.9	59.9	34.0	15.5	47.1	36.3	23.2
LOS by Move:	D	C	C	E	D	D	E	C	B	D	D	C
HCM2kAvgQ:	160	325	325	145	178	178	165	146	46	90	293	136

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

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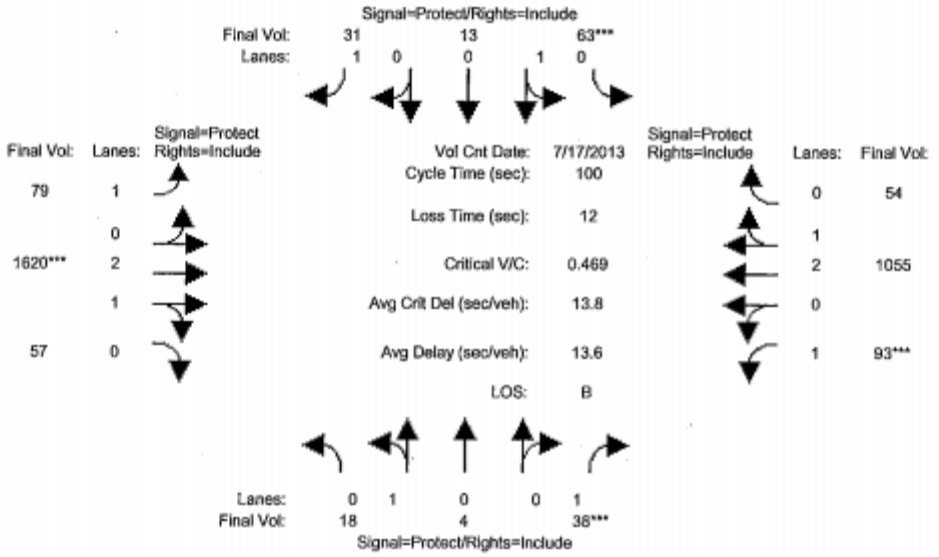
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	4	38	63	13	31	79	1615	57	93	1060	54
Added Vol:	0	0	0	0	0	0	0	5	0	0	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	4	38	63	13	31	79	1620	57	93	1055	54
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:	18	4	38	63	13	31	79	1620	57	93	1055	54
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	4	38	63	13	31	79	1620	57	93	1055	54
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:	18	4	38	63	13	31	79	1620	57	93	1055	54
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	5400	276
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.04	0.04	0.02	0.05	0.30	0.30	0.05	0.20	0.20
Crit Moves:			****	****				****		****		
Green/Cycle:	0.03	0.05	0.05	0.09	0.11	0.11	0.14	0.63	0.63	0.11	0.60	0.60
Volume/Cap:	0.40	0.27	0.47	0.47	0.40	0.17	0.32	0.47	0.47	0.47	0.32	0.32
Delay/Veh:	52.3	47.8	50.7	45.3	43.1	41.0	39.6	9.9	9.9	43.3	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:	52.3	47.8	50.7	45.3	43.1	41.0	39.6	9.9	9.9	43.3	9.8	9.8
LOS by Move:	D	D	D	D	D	D	D	A	A	D	A	A
HCM2kAvgQ:	31	25	47	74	69	26	57	219	219	87	139	139

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

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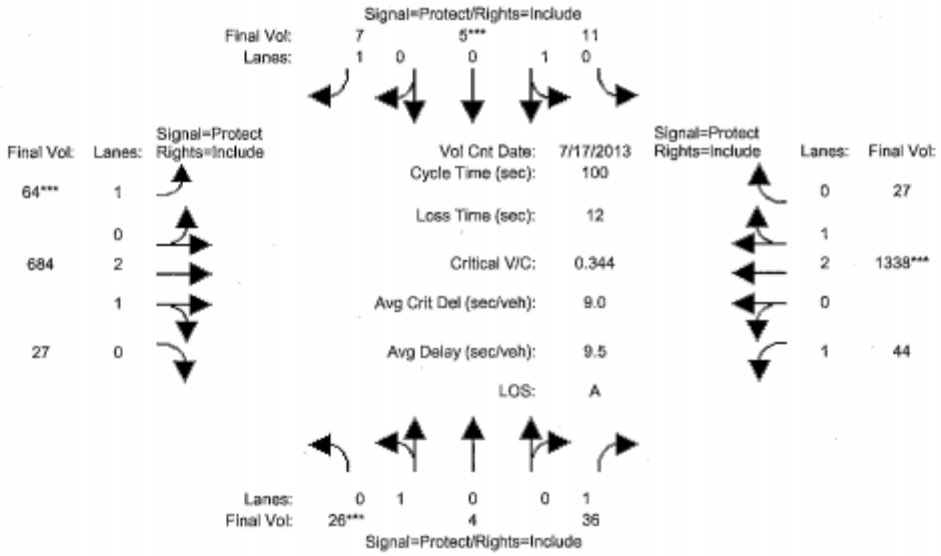
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	4	36	11	5	7	64	688	27	44	1332	27
Added Vol:	0	0	0	0	0	0	0	-4	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	26	4	36	11	5	7	64	684	27	44	1338	27
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:	26	4	36	11	5	7	64	684	27	44	1338	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	4	36	11	5	7	64	684	27	44	1338	27
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:	26	4	36	11	5	7	64	684	27	44	1338	27
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	5466	216	1750	5578	113
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.01	0.01	0.00	0.04	0.13	0.13	0.03	0.24	0.24
Crit Moves:	****				****		****				****	
Green/Cycle:	0.05	0.05	0.05	0.02	0.03	0.03	0.11	0.67	0.67	0.13	0.70	0.70
Volume/Cap:	0.34	0.32	0.39	0.39	0.34	0.15	0.34	0.19	0.19	0.19	0.34	0.34
Delay/Veh:	48.3	47.7	48.6	54.3	52.3	49.2	42.5	6.2	6.2	38.8	6.0	6.0
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:	48.3	47.7	48.6	54.3	52.3	49.2	42.5	6.2	6.2	38.8	6.0	6.0
LOS by Move:	D	D	D	D	D	D	D	A	A	D	A	A
HCM2kAvgQ:	34	33	41	25	23	10	48	67	67	35	139	139

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

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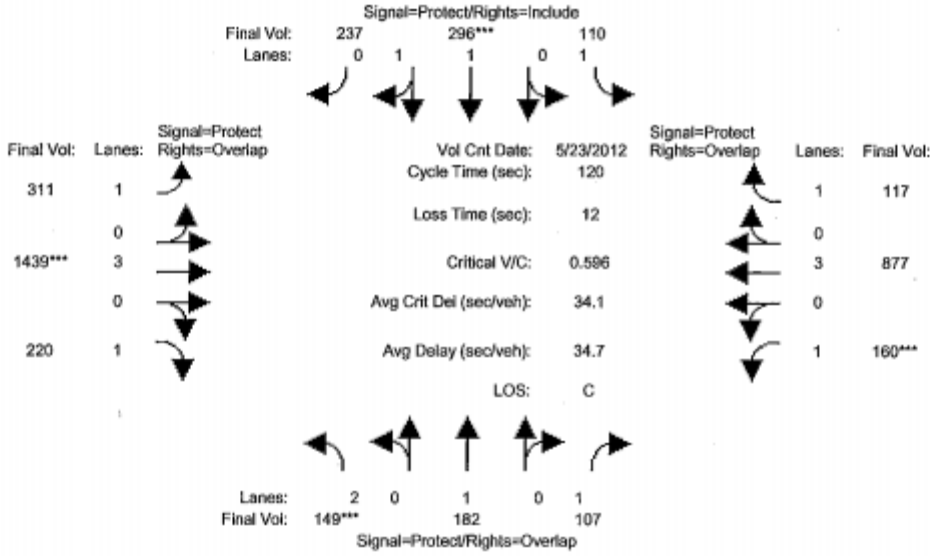
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	149	182	107	110	296	237	311	1434	220	160	882	117
Added Vol:	0	0	0	0	0	0	0	5	0	0	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	149	182	107	110	296	237	311	1439	220	160	877	117
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:	149	182	107	110	296	237	311	1439	220	160	877	117
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	149	182	107	110	296	237	311	1439	220	160	877	117
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:	149	182	107	110	296	237	311	1439	220	160	877	117
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:	0.05	0.10	0.06	0.06	0.15	0.15	0.18	0.25	0.13	0.09	0.15	0.07
Crit Moves:	****				****			****			****	
Green/Cycle:	0.08	0.20	0.35	0.13	0.24	0.24	0.31	0.42	0.50	0.15	0.27	0.40
Volume/Cap:	0.60	0.49	0.18	0.49	0.60	0.60	0.58	0.60	0.25	0.60	0.58	0.17
Delay/Veh:	57.3	44.0	27.3	50.4	41.2	41.2	36.4	27.1	17.1	51.0	38.6	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:	57.3	44.0	27.3	50.4	41.2	41.2	36.4	27.1	17.1	51.0	38.6	23.6
LOS by Move:	E	D	C	D	D	D	D	C	B	D	D	C
HCM2kAvgQ:	81	145	70	115	239	239	250	326	118	148	228	72

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

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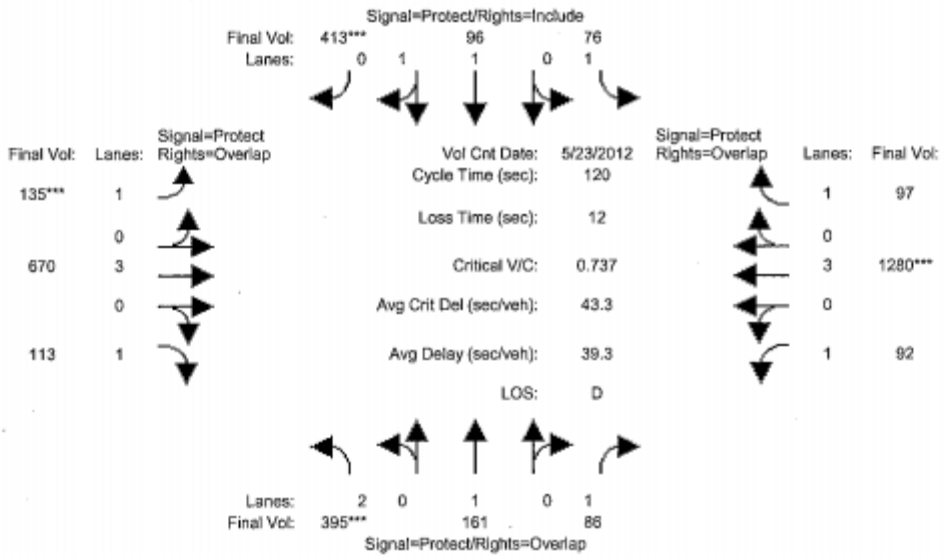
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	395	161	86	76	96	413	135	674	113	92	1274	97
Added Vol:	0	0	0	0	0	0	0	-4	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	395	161	86	76	96	413	135	670	113	92	1280	97
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:	395	161	86	76	96	413	135	670	113	92	1280	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	395	161	86	76	96	413	135	670	113	92	1280	97
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:	395	161	86	76	96	413	135	670	113	92	1280	97
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:	0.13	0.08	0.05	0.04	0.05	0.24	0.08	0.12	0.06	0.05	0.22	0.06
Crit Moves:	****					****	****				****	
Green/Cycle:	0.17	0.29	0.43	0.20	0.32	0.32	0.10	0.27	0.44	0.14	0.30	0.50
Volume/Cap:	0.74	0.29	0.12	0.22	0.16	0.74	0.74	0.43	0.15	0.39	0.74	0.11
Delay/Veh:	52.6	33.3	20.8	40.5	29.2	40.4	66.6	36.1	19.9	48.3	39.1	15.6
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:	52.6	33.3	20.8	40.5	29.2	40.4	66.6	36.1	19.9	48.3	39.1	15.6
LOS by Move:	D	C	C	D	C	D	E	D	B	D	D	B
HCM2kAvgQ:	215	110	49	64	62	395	137	163	64	81	355	48

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

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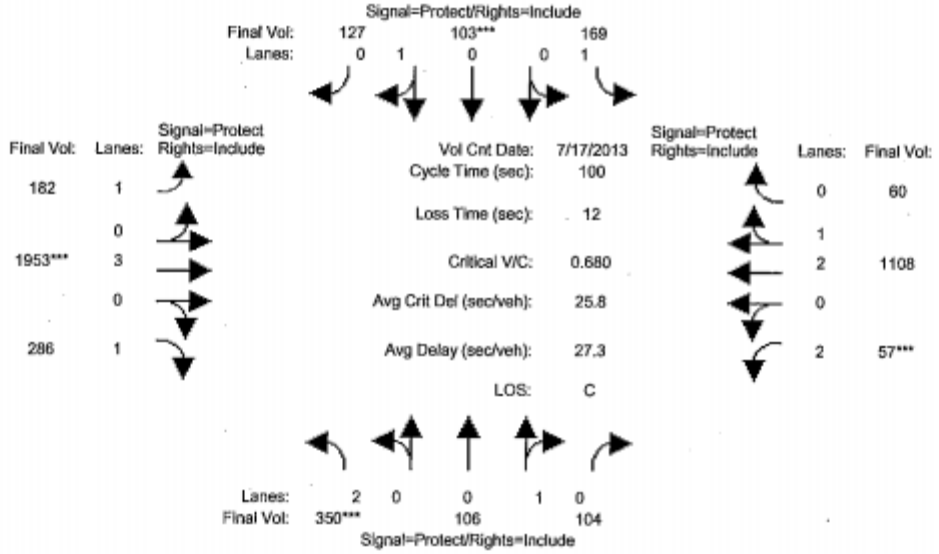
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - PM

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:	1.00	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	106	104	169	103	127	182	1948	286	57	1113	60
Added Vol:	0	0	0	0	0	0	0	5	0	0	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	350	106	104	169	103	127	182	1953	286	57	1108	60
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:	350	106	104	169	103	127	182	1953	286	57	1108	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	350	106	104	169	103	127	182	1953	286	57	1108	60
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:	350	106	104	169	103	127	182	1953	286	57	1108	60
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	5383	292
Capacity Analysis Module:												
Vol/Sat:	0.11	0.12	0.12	0.10	0.13	0.13	0.10	0.34	0.16	0.02	0.21	0.21
Crit Moves:	****				****			****		****		
Green/Cycle:	0.16	0.19	0.19	0.16	0.19	0.19	0.18	0.50	0.50	0.03	0.35	0.35
Volume/Cap:	0.68	0.61	0.61	0.61	0.68	0.68	0.58	0.68	0.32	0.68	0.58	0.58
Delay/Veh:	43.1	40.1	40.1	42.9	43.4	43.4	40.5	19.4	14.9	68.6	26.9	26.9
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:	43.1	40.1	40.1	42.9	43.4	43.4	40.5	19.4	14.9	68.6	26.9	26.9
LOS by Move:	D	D	D	D	D	D	D	B	B	E	C	C
HCM2kAvgQ:	184	175	175	154	203	203	129	349	130	28	237	237

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

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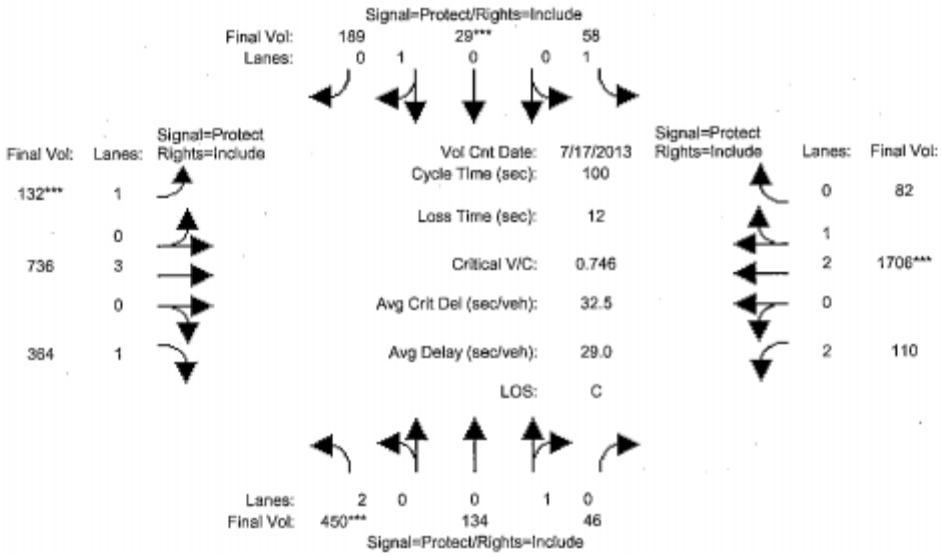
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background No Project - AM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	450	134	46	58	29	189	132	740	364	110	1700	82
Added Vol:	0	0	0	0	0	0	0	-4	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	450	134	46	58	29	189	132	736	364	110	1706	82
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:	450	134	46	58	29	189	132	736	364	110	1706	82
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	450	134	46	58	29	189	132	736	364	110	1706	82
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:	450	134	46	58	29	189	132	736	364	110	1706	82
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	5417	260
Capacity Analysis Module:												
Vol/Sat:	0.14	0.10	0.10	0.03	0.12	0.12	0.08	0.13	0.21	0.03	0.31	0.31
Crit Moves:	****				****		****				****	
Green/Cycle:	0.19	0.27	0.27	0.09	0.17	0.17	0.10	0.45	0.45	0.08	0.42	0.42
Volume/Cap:	0.75	0.36	0.36	0.36	0.75	0.75	0.75	0.29	0.46	0.46	0.75	0.75
Delay/Veh:	43.2	30.3	30.3	44.2	49.8	49.8	59.6	17.6	19.7	45.7	25.7	25.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.2	30.3	30.3	44.2	49.8	49.8	59.6	17.6	19.7	45.7	25.7	25.7
LOS by Move:	D	C	C	D	D	D	E	B	B	D	C	C
HCM2kAvgQ:	238	118	118	55	214	214	115	115	206	47	378	378

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

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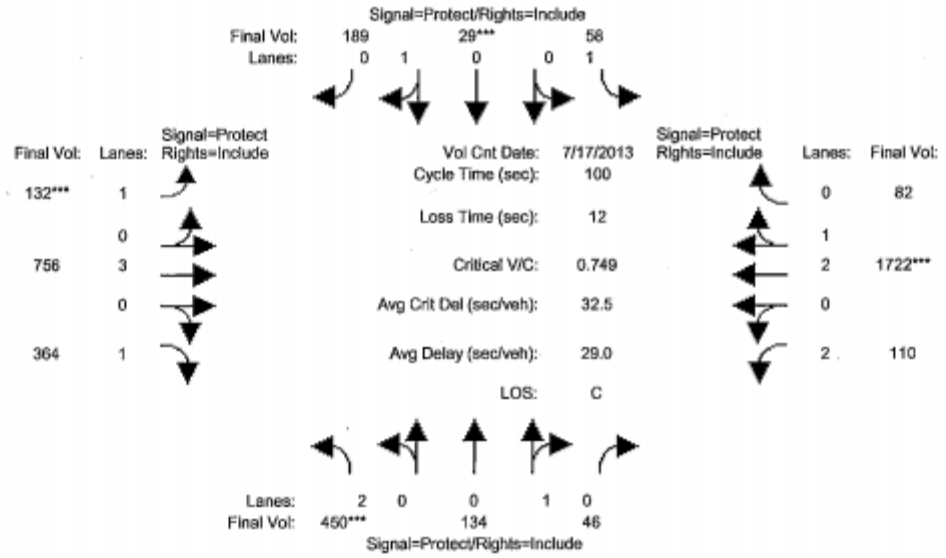
Appendix F – Level of Service Worksheets: Background plus Project Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background 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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	450	134	46	58	29	189	132	740	364	110	1700	82
Added Vol:	0	0	0	0	0	0	0	16	0	0	22	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	450	134	46	58	29	189	132	756	364	110	1722	82
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:	450	134	46	58	29	189	132	756	364	110	1722	82
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	450	134	46	58	29	189	132	756	364	110	1722	82
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:	450	134	46	58	29	189	132	756	364	110	1722	82
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	5420	258
Capacity Analysis Module:												
Vol/Sat:	0.14	0.10	0.10	0.03	0.12	0.12	0.08	0.13	0.21	0.03	0.32	0.32
Crit Moves:	****				****		****				****	
Green/Cycle:	0.19	0.26	0.26	0.09	0.16	0.16	0.10	0.45	0.45	0.08	0.42	0.42
Volume/Cap:	0.75	0.37	0.37	0.37	0.75	0.75	0.75	0.30	0.46	0.46	0.75	0.75
Delay/Veh:	43.4	30.4	30.4	44.2	50.1	50.1	60.0	17.5	19.6	45.7	25.6	25.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.4	30.4	30.4	44.2	50.1	50.1	60.0	17.5	19.6	45.7	25.6	25.6
LOS by Move:	D	C	C	D	D	D	E	B	B	D	C	C
HCM2kAvgQ:	239	118	118	55	215	215	115	118	205	47	380	380

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

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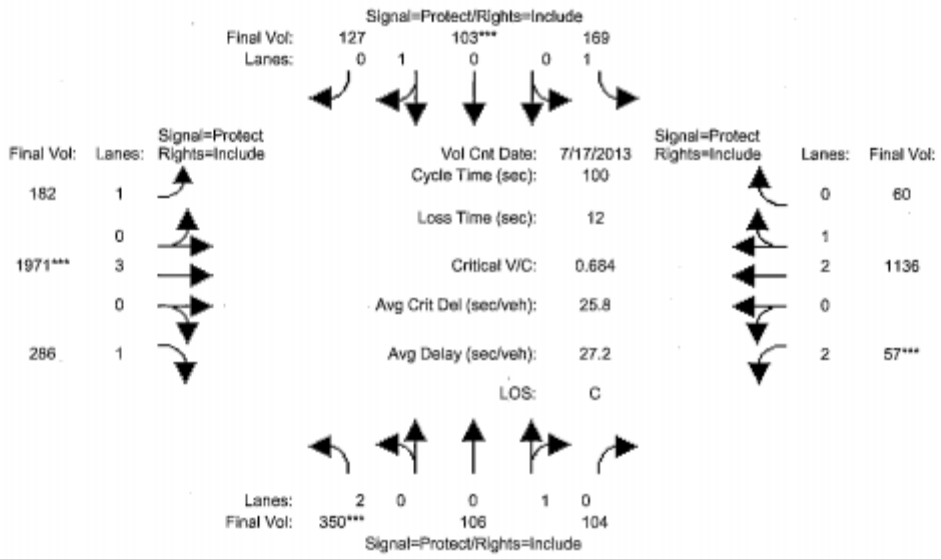
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - PM

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:	1.00	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	106	104	169	103	127	182	1948	286	57	1113	60
Added Vol:	0	0	0	0	0	0	0	23	0	0	23	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	350	106	104	169	103	127	182	1971	286	57	1136	60
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:	350	106	104	169	103	127	182	1971	286	57	1136	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	350	106	104	169	103	127	182	1971	286	57	1136	60
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:	350	106	104	169	103	127	182	1971	286	57	1136	60
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:	0.11	0.12	0.12	0.10	0.13	0.13	0.10	0.35	0.16	0.02	0.21	0.21
Crit Moves:	****				****			****		****		
Green/Cycle:	0.16	0.19	0.19	0.16	0.19	0.19	0.18	0.51	0.51	0.03	0.36	0.36
Volume/Cap:	0.68	0.61	0.61	0.61	0.68	0.68	0.59	0.68	0.32	0.68	0.59	0.59
Delay/Veh:	43.3	40.3	40.3	43.1	43.7	43.7	41.0	19.4	14.8	69.2	26.7	26.7
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:	43.3	40.3	40.3	43.1	43.7	43.7	41.0	19.4	14.8	69.2	26.7	26.7
LOS by Move:	D	D	D	D	D	D	D	B	B	E	C	C
HCM2kAvgQ:	185	175	175	154	204	204	129	352	129	28	243	243

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

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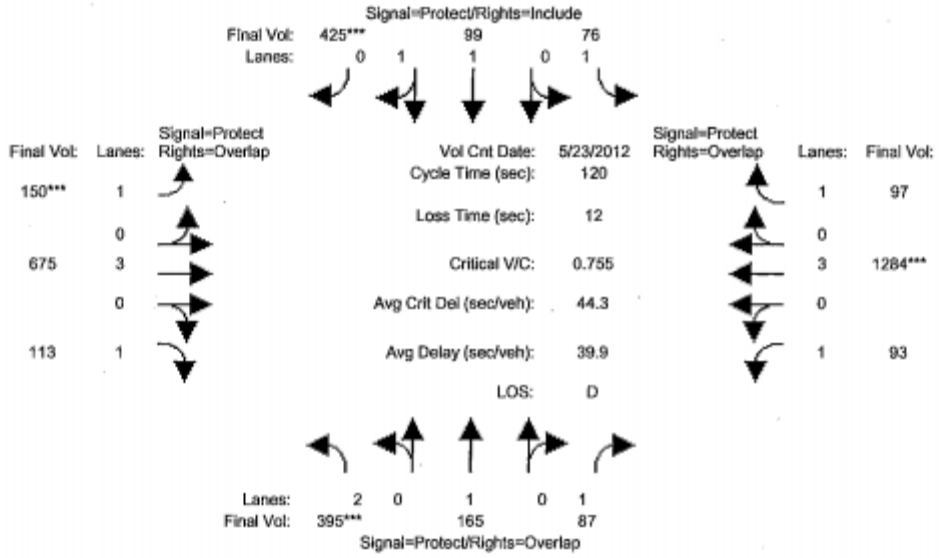
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - AM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	395	161	86	76	96	413	135	674	113	92	1274	97
Added Vol:	0	4	1	0	3	12	15	1	0	1	10	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	395	165	87	76	99	425	150	675	113	93	1284	97
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:	395	165	87	76	99	425	150	675	113	93	1284	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	395	165	87	76	99	425	150	675	113	93	1284	97
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:	395	165	87	76	99	425	150	675	113	93	1284	97
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:	0.13	0.09	0.05	0.04	0.05	0.24	0.09	0.12	0.06	0.05	0.23	0.06
Crit Moves:	****					****	****				****	
Green/Cycle:	0.17	0.29	0.43	0.20	0.32	0.32	0.11	0.28	0.44	0.14	0.30	0.49
Volume/Cap:	0.75	0.30	0.12	0.22	0.16	0.75	0.75	0.43	0.15	0.39	0.75	0.11
Delay/Veh:	53.9	33.2	20.7	40.9	29.1	41.2	66.7	35.9	20.0	48.4	40.1	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:	53.9	33.2	20.7	40.9	29.1	41.2	66.7	35.9	20.0	48.4	40.1	16.3
LOS by Move:	D	C	C	D	C	D	E	D	C	D	D	B
HCM2kAvgQ:	218	113	50	65	64	412	153	164	64	82	362	49

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

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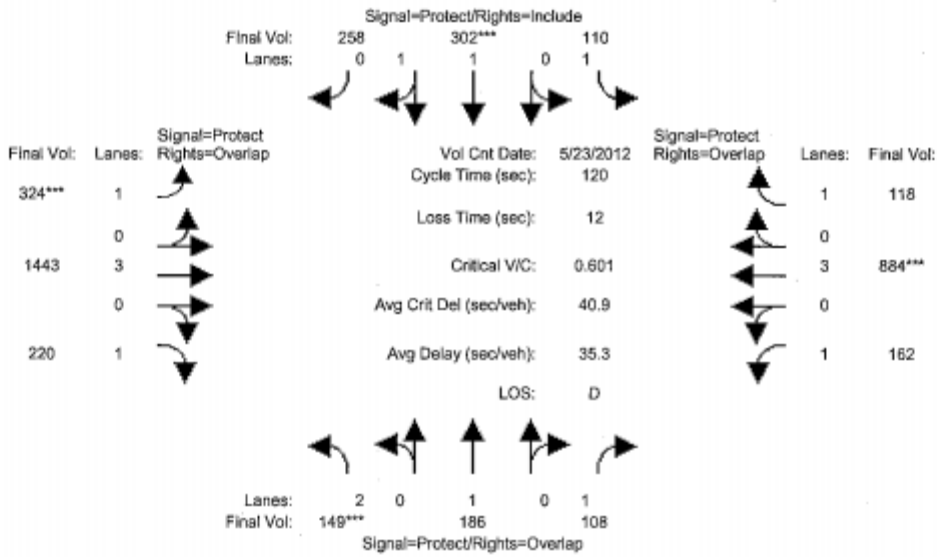
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	149	182	107	110	296	237	311	1434	220	160	882	117
Added Vol:	0	4	1	0	6	21	13	9	0	2	2	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	149	186	108	110	302	258	324	1443	220	162	884	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:	149	186	108	110	302	258	324	1443	220	162	884	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	149	186	108	110	302	258	324	1443	220	162	884	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
FinalVolume:	149	186	108	110	302	258	324	1443	220	162	884	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	1.04	0.96	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3150	1900	1750	1750	1971	1684	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.10	0.06	0.06	0.15	0.15	0.19	0.25	0.13	0.09	0.16	0.07
Crit Moves:	****				****		****				****	
Green/Cycle:	0.08	0.20	0.35	0.13	0.25	0.25	0.31	0.41	0.49	0.15	0.26	0.39
Volume/Cap:	0.60	0.48	0.17	0.48	0.60	0.60	0.60	0.61	0.25	0.61	0.60	0.17
Delay/Veh:	57.5	43.2	26.7	50.0	40.4	40.4	37.1	28.0	17.8	51.7	39.8	24.2
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:	57.5	43.2	26.7	50.0	40.4	40.4	37.1	28.0	17.8	51.7	39.8	24.2
LOS by Move:	E	D	C	D	D	D	D	C	B	D	D	C
HCM2kAvgQ:	82	147	71	114	249	249	264	332	120	151	234	73

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

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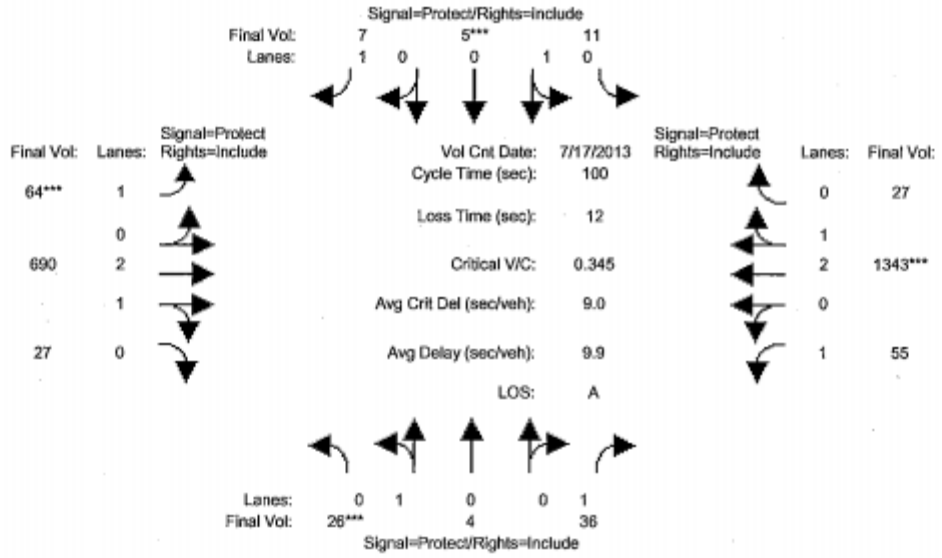
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - AM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	4	36	11	5	7	64	688	27	44	1332	27
Added Vol:	0	0	0	0	0	0	0	2	0	11	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	26	4	36	11	5	7	64	690	27	55	1343	27
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:	26	4	36	11	5	7	64	690	27	55	1343	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	4	36	11	5	7	64	690	27	55	1343	27
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:	26	4	36	11	5	7	64	690	27	55	1343	27
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	5468	214	1750	5578	112
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.01	0.01	0.00	0.04	0.13	0.13	0.03	0.24	0.24
Crit Moves:	****				****		****				****	
Green/Cycle:	0.05	0.05	0.05	0.02	0.03	0.03	0.11	0.64	0.64	0.16	0.70	0.70
Volume/Cap:	0.34	0.32	0.39	0.39	0.34	0.15	0.34	0.20	0.20	0.20	0.34	0.34
Delay/Veh:	48.3	47.7	48.6	54.3	52.3	49.2	42.6	7.3	7.3	36.7	6.0	6.0
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:	48.3	47.7	48.6	54.3	52.3	49.2	42.6	7.3	7.3	36.7	6.0	6.0
LOS by Move:	D	D	D	D	D	D	D	A	A	D	A	A
HCM2kAvgQ:	34	33	41	25	23	10	48	72	72	42	139	139

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

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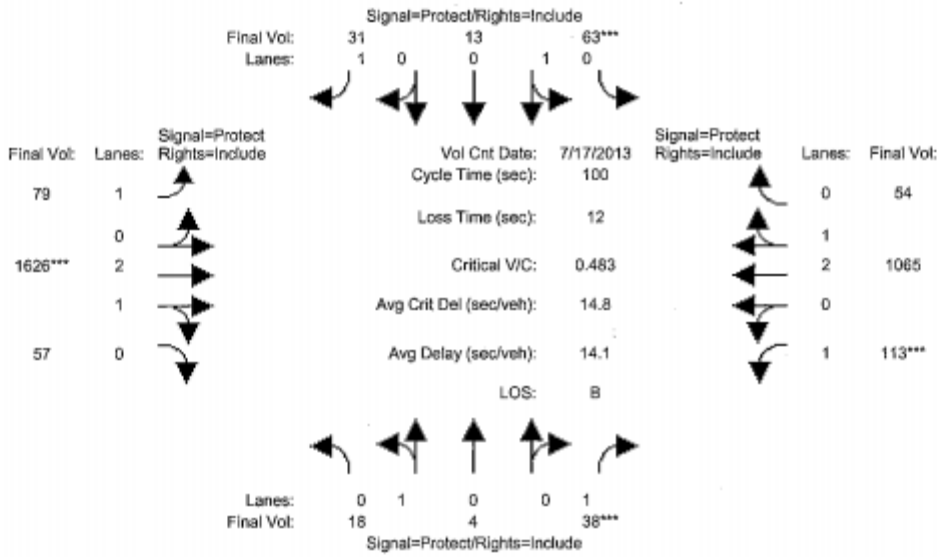
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	4	38	63	13	31	79	1615	57	93	1060	54
Added Vol:	0	0	0	0	0	0	0	11	0	20	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	4	38	63	13	31	79	1626	57	113	1065	54
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:	18	4	38	63	13	31	79	1626	57	113	1065	54
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	4	38	63	13	31	79	1626	57	113	1065	54
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:	18	4	38	63	13	31	79	1626	57	113	1065	54
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	5491	192	1750	5403	274
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.04	0.04	0.02	0.05	0.30	0.30	0.06	0.20	0.20
Crit Moves:			****	****				****		****		
Green/Cycle:	0.03	0.04	0.04	0.09	0.10	0.10	0.14	0.61	0.61	0.13	0.61	0.61
Volume/Cap:	0.41	0.28	0.48	0.48	0.41	0.17	0.32	0.48	0.48	0.48	0.32	0.32
Delay/Veh:	52.8	48.1	51.2	45.7	43.5	41.3	39.6	10.8	10.8	41.7	9.7	9.7
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:	52.8	48.1	51.2	45.7	43.5	41.3	39.6	10.8	10.8	41.7	9.7	9.7
LOS by Move:	D	D	D	D	D	D	D	B	B	D	A	A
HCM2kAvgQ:	31	25	48	75	70	26	57	229	229	101	139	139

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

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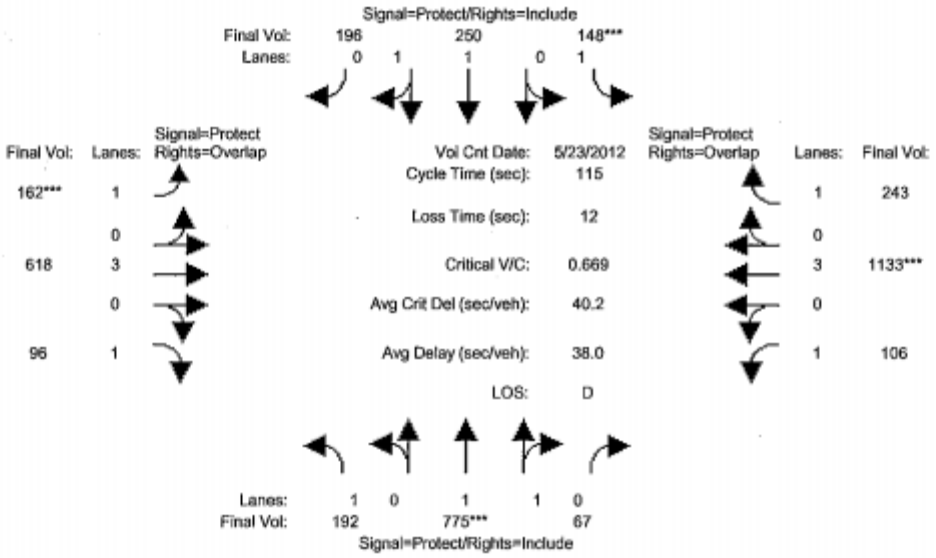
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - AM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	188	640	67	128	220	191	152	615	93	106	1118	218
Added Vol:	4	135	0	20	30	5	10	3	3	0	15	25
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	192	775	67	148	250	196	162	618	96	106	1133	243
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:	192	775	67	148	250	196	162	618	96	106	1133	243
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	192	775	67	148	250	196	162	618	96	106	1133	243
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:	192	775	67	148	250	196	162	618	96	106	1133	243
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	1.83	0.17	1.00	1.08	0.92	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	3474	300	1750	2053	1609	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.11	0.22	0.22	0.08	0.12	0.12	0.09	0.11	0.05	0.06	0.20	0.14
Crit Moves:		****		****			****				****	
Green/Cycle:	0.22	0.33	0.33	0.13	0.24	0.24	0.14	0.28	0.50	0.16	0.30	0.42
Volume/Cap:	0.50	0.67	0.67	0.67	0.50	0.50	0.67	0.39	0.11	0.39	0.67	0.33
Delay/Veh:	44.2	35.7	35.7	62.9	39.7	39.7	60.8	34.2	15.6	47.6	37.6	23.4
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:	44.2	35.7	35.7	62.9	39.7	39.7	60.8	34.2	15.6	47.6	37.6	23.4
LOS by Move:	D	D	D	E	D	D	E	C	B	D	D	C
HCM2kAvgQ:	164	337	337	165	184	184	177	149	47	90	302	153

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

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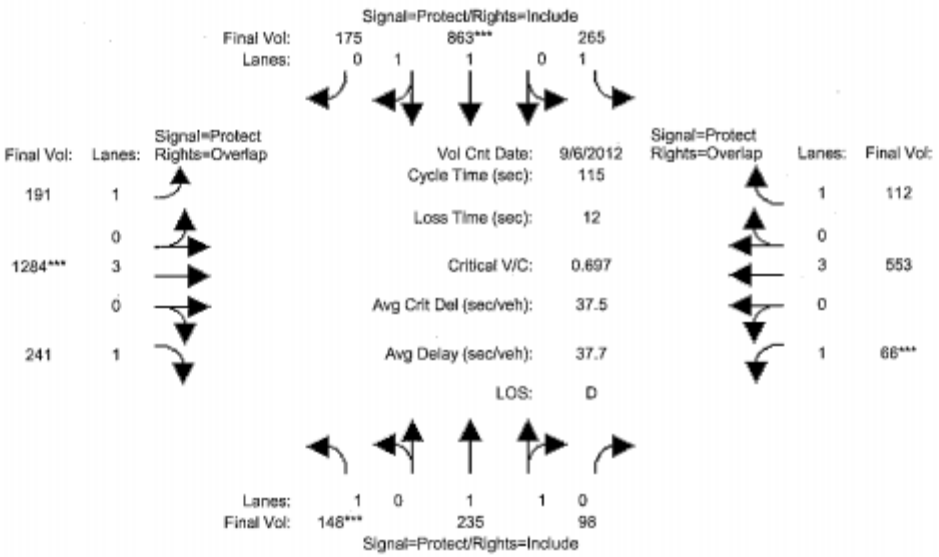
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	144	200	98	230	725	171	179	1267	235	66	550	89
Added Vol:	4	35	0	35	138	4	12	17	6	0	3	23
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	148	235	98	265	863	175	191	1284	241	66	553	112
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:	148	235	98	265	863	175	191	1284	241	66	553	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	235	98	265	863	175	191	1284	241	66	553	112
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:	148	235	98	265	863	175	191	1284	241	66	553	112
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	1.38	0.62	1.00	1.64	0.36	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1750	2616	1091	1750	3114	632	1750	5700	1750	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.09	0.09	0.15	0.28	0.28	0.11	0.23	0.14	0.04	0.10	0.06
Crit Moves:	****				****			****		****		
Green/Cycle:	0.12	0.19	0.19	0.32	0.39	0.39	0.20	0.32	0.44	0.06	0.18	0.50
Volume/Cap:	0.70	0.47	0.47	0.47	0.70	0.70	0.54	0.70	0.31	0.62	0.54	0.13
Delay/Veh:	66.5	43.5	43.5	33.9	32.0	32.0	47.0	36.6	21.9	76.8	44.9	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:	66.5	43.5	43.5	33.9	32.0	32.0	47.0	36.6	21.9	76.8	44.9	15.5
LOS by Move:	E	D	D	C	C	C	D	D	C	E	D	B
HCM2kAvgQ:	147	134	134	205	407	407	176	354	147	66	151	56

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

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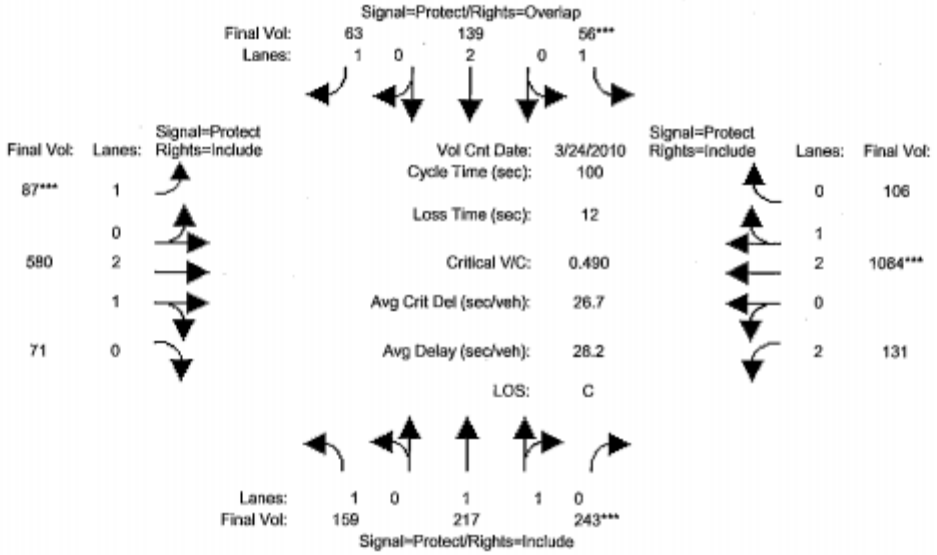
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - AM

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:	159	217	243	56	139	63	87	557	71	131	1044	106
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:	159	217	243	56	139	63	87	557	71	131	1044	106
Added Vol:	0	0	0	0	0	0	0	23	0	0	40	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	159	217	243	56	139	63	87	580	71	131	1084	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:	159	217	243	56	139	63	87	580	71	131	1084	106
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	217	243	56	139	63	87	580	71	131	1084	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
FinalVolume:	159	217	243	56	139	63	87	580	71	131	1084	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	0.83	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	5031	616	3150	5153	504
Capacity Analysis Module:												
Vol/Sat:	0.09	0.11	0.14	0.03	0.04	0.04	0.05	0.12	0.12	0.04	0.21	0.21
Crit Moves:			****	****			****				****	
Green/Cycle:	0.17	0.28	0.28	0.07	0.18	0.29	0.10	0.33	0.33	0.20	0.43	0.43
Volume/Cap:	0.54	0.41	0.49	0.46	0.20	0.13	0.49	0.35	0.35	0.21	0.49	0.49
Delay/Veh:	45.1	30.2	31.8	56.5	35.2	27.0	52.0	26.0	26.0	34.2	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:	45.1	30.2	31.8	56.5	35.2	27.0	52.0	26.0	26.0	34.2	21.5	21.5
LOS by Move:	D	C	C	E	D	C	D	C	C	C	C	C
HCM2kAvgQ:	126	136	172	60	47	39	71	126	126	52	225	225

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

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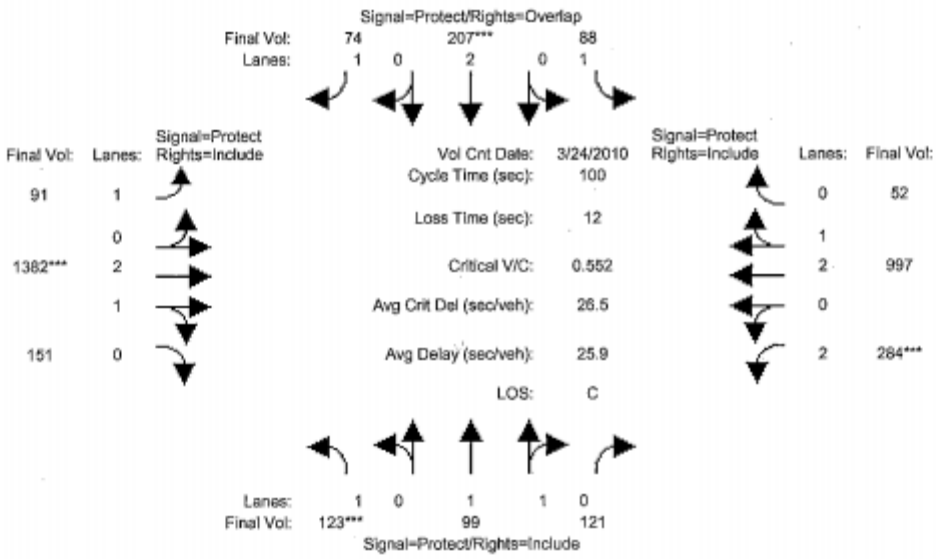
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	123	99	121	88	207	74	91	1329	151	284	971	52
Added Vol:	0	0	0	0	0	0	0	53	0	0	26	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	123	99	121	88	207	74	91	1382	151	284	997	52
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:	123	99	121	88	207	74	91	1382	151	284	997	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	123	99	121	88	207	74	91	1382	151	284	997	52
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:	123	99	121	88	207	74	91	1382	151	284	997	52
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	5096	557	3150	5395	281
Capacity Analysis Module:												
Vol/Sat:	0.07	0.05	0.07	0.05	0.05	0.04	0.05	0.27	0.27	0.09	0.18	0.18
Crit Moves:	****				****			****		****		
Green/Cycle:	0.13	0.13	0.13	0.09	0.10	0.28	0.18	0.49	0.49	0.16	0.47	0.47
Volume/Cap:	0.55	0.39	0.52	0.54	0.54	0.15	0.29	0.55	0.55	0.55	0.39	0.39
Delay/Veh:	50.6	41.6	44.8	55.4	48.4	27.8	37.8	18.6	18.6	42.8	17.4	17.4
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:	50.6	41.6	44.8	55.4	48.4	27.8	37.8	18.6	18.6	42.8	17.4	17.4
LOS by Move:	D	D	D	E	D	C	D	B	B	D	B	B
HCM2kAvgQ:	99	69	96	90	96	46	63	273	273	138	173	173

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

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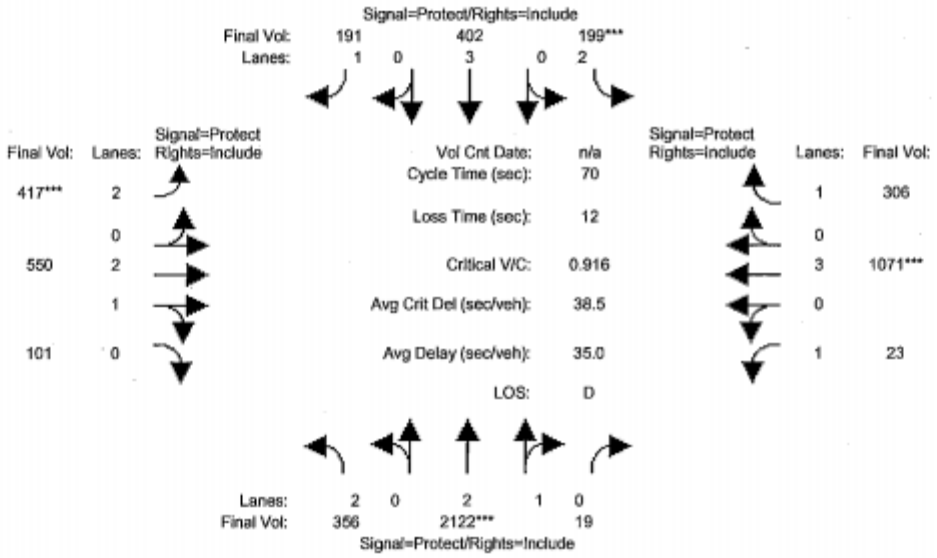
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - AM

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:	342	1647	19	196	344	187	334	522	86	23	1067	308
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:	342	1647	19	196	344	187	334	522	86	23	1067	308
Added Vol:	14	475	0	3	58	4	83	28	15	0	4	-2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	356	2122	19	199	402	191	417	550	101	23	1071	306
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:	356	2122	19	199	402	191	417	550	101	23	1071	306
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	356	2122	19	199	402	191	417	550	101	23	1071	306
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:	356	2122	19	199	402	191	417	550	101	23	1071	306
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	2.97	0.03	2.00	3.00	1.00	2.00	2.50	0.50	1.00	3.00	1.00
Final Sat.:	3150	5645	51	3150	5700	1750	3150	4752	873	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.11	0.38	0.38	0.06	0.07	0.11	0.13	0.12	0.12	0.01	0.19	0.17
Crit Moves:		****		****			****				****	
Green/Cycle:	0.22	0.39	0.39	0.10	0.28	0.28	0.14	0.20	0.20	0.14	0.20	0.20
Volume/Cap:	0.52	0.96	0.96	0.63	0.26	0.40	0.96	0.59	0.59	0.10	0.96	0.89
Delay/Veh:	24.8	31.1	31.1	34.4	19.9	21.2	61.7	26.3	26.3	26.5	45.0	50.9
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:	24.8	31.1	31.1	34.4	19.9	21.2	61.7	26.3	26.3	26.5	45.0	50.9
LOS by Move:	C	C	C	C	B	C	E	C	C	C	D	D
HCM2kAvgQ:	101	460	460	93	59	98	244	130	130	11	242	203

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

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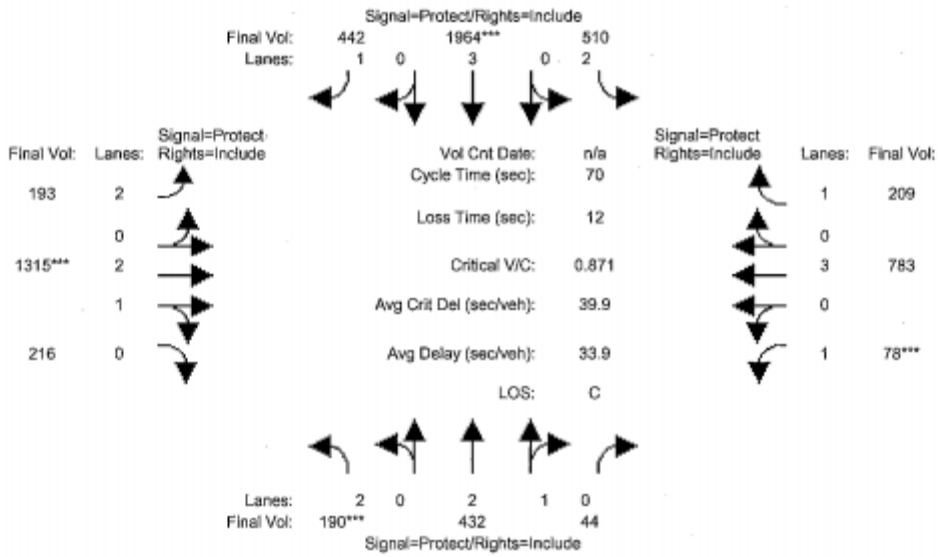
Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background plus Project - PM

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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	174	368	44	516	1529	387	218	1304	195	78	755	208
Added Vol:	16	64	0	-6	435	55	-25	11	21	0	28	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	190	432	44	510	1964	442	193	1315	216	78	783	209
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:	190	432	44	510	1964	442	193	1315	216	78	783	209
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	190	432	44	510	1964	442	193	1315	216	78	783	209
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:	190	432	44	510	1964	442	193	1315	216	78	783	209
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	2.70	0.30	2.00	3.00	1.00	2.00	2.55	0.45	1.00	3.00	1.00
Final Sat.:	3150	5132	523	3150	5700	1750	3150	4837	795	1750	5700	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.08	0.08	0.16	0.34	0.25	0.06	0.27	0.27	0.04	0.14	0.12
Crit Moves:	****				****			****			****	
Green/Cycle:	0.10	0.21	0.21	0.24	0.35	0.35	0.16	0.28	0.28	0.10	0.22	0.22
Volume/Cap:	0.60	0.40	0.40	0.68	0.98	0.72	0.39	0.98	0.98	0.45	0.62	0.54
Delay/Veh:	33.5	24.0	24.0	26.6	38.2	23.8	27.1	43.4	43.4	31.5	25.5	25.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	33.5	24.0	24.0	26.6	38.2	23.8	27.1	43.4	43.4	31.5	25.5	25.6
LOS by Move:	C	C	C	C	D	C	C	D	D	C	C	C
HCM2kAvgQ:	61	72	72	183	522	261	67	435	435	43	127	107

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

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