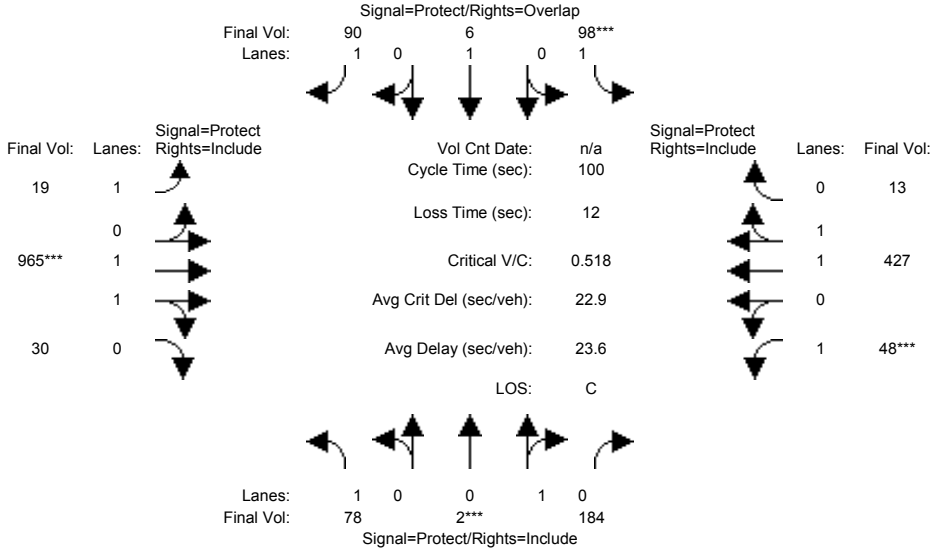
433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #4: Pastoria/ Maude



Street Name:	Pastoria 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:												
Base Vol:	42	2	126	98	6	90	19	965	23	43	427	13
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:	42	2	126	98	6	90	19	965	23	43	427	13
Added Vol:	36	0	58	0	0	0	0	0	7	5	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	78	2	184	98	6	90	19	965	30	48	427	13
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:	78	2	184	98	6	90	19	965	30	48	427	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	2	184	98	6	90	19	965	30	48	427	13
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:	78	2	184	98	6	90	19	965	30	48	427	13
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	1.00	0.92	0.92	0.97	0.95	0.92	0.97	0.95
Lanes:	1.00	0.01	0.99	1.00	1.00	1.00	1.00	1.94	0.06	1.00	1.94	0.06
Final Sat.:	1750	19	1781	1750	1900	1750	1750	3588	112	1750	3591	109
Capacity Analysis Module:												
Vol/Sat:	0.04	0.10	0.10	0.06	0.00	0.05	0.01	0.27	0.27	0.03	0.12	0.12
Crit Moves:		****		****				****		****		
Green Time:	12.4	19.5	19.5	10.6	17.7	39.2	21.4	50.9	50.9	7.0	36.4	36.4
Volume/Cap:	0.36	0.53	0.53	0.53	0.02	0.13	0.05	0.53	0.53	0.39	0.33	0.33
Delay/Veh:	41.2	37.6	37.6	45.2	34.0	19.6	31.3	16.8	16.8	46.5	23.1	23.1
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:	41.2	37.6	37.6	45.2	34.0	19.6	31.3	16.8	16.8	46.5	23.1	23.1
LOS by Move:	D	D	D	D	C	B	C	B	B	D	C	C
HCM2kAvgQ:	3	6	6	4	0	2	0	10	10	2	5	5

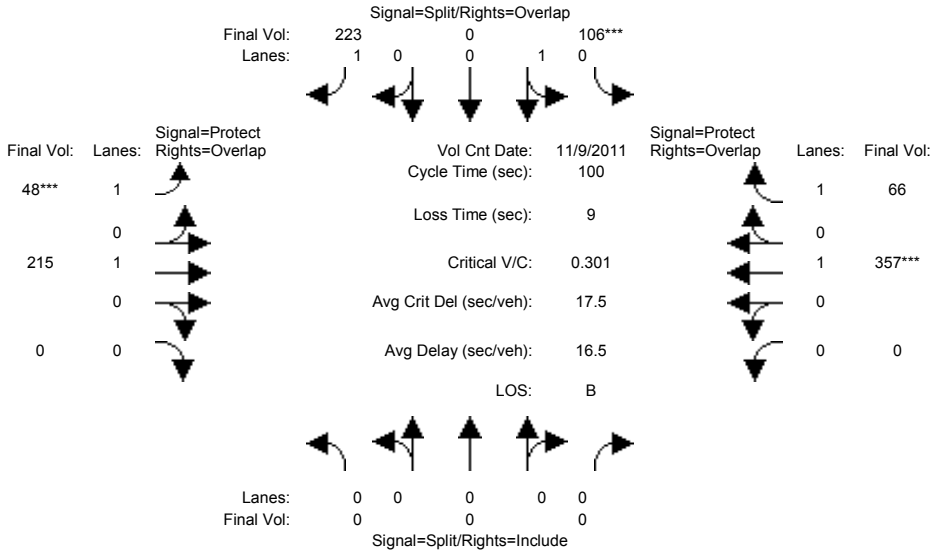
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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: 9 Nov 2011 <<												
Base Vol:	0	0	0	106	0	223	48	215	0	0	357	66
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	106	0	223	48	215	0	0	357	66
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	106	0	223	48	215	0	0	357	66
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	106	0	223	48	215	0	0	357	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	106	0	223	48	215	0	0	357	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	106	0	223	48	215	0	0	357	66
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.13	0.03	0.11	0.00	0.00	0.19	0.04
Crit Moves:				****			****				****	
Green Time:	0.0	0.0	0.0	19.5	0.0	28.6	9.1	71.5	0.0	0.0	62.4	81.9
Volume/Cap:	0.00	0.00	0.00	0.30	0.00	0.44	0.30	0.16	0.00	0.00	0.30	0.05
Delay/Veh:	0.0	0.0	0.0	34.9	0.0	29.8	43.5	4.6	0.0	0.0	8.9	1.7
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:	0.0	0.0	0.0	34.9	0.0	29.8	43.5	4.6	0.0	0.0	8.9	1.7
LOS by Move:	A	A	A	C	A	C	D	A	A	A	A	A
HCM2kAvgQ:	0	0	0	3	0	6	2	2	0	0	5	0

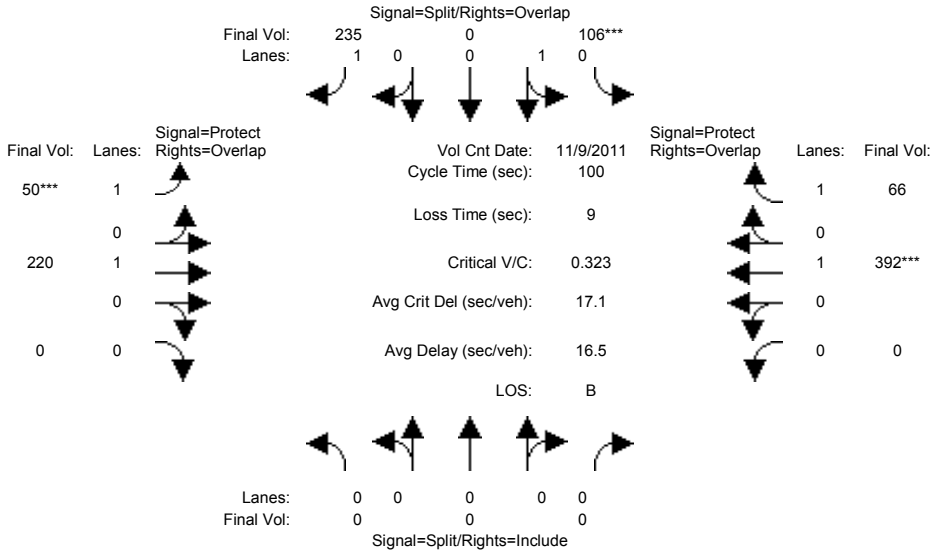
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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: 9 Nov 2011 <<												
Base Vol:	0	0	0	106	0	223	48	215	0	0	357	66
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	106	0	223	48	215	0	0	357	66
Added Vol:	0	0	0	0	0	12	2	5	0	0	35	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	106	0	235	50	220	0	0	392	66
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	106	0	235	50	220	0	0	392	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	106	0	235	50	220	0	0	392	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	106	0	235	50	220	0	0	392	66
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.13	0.03	0.12	0.00	0.00	0.21	0.04
Crit Moves:				****			****				****	
Green Time:	0.0	0.0	0.0	19.6	0.0	28.2	8.7	71.4	0.0	0.0	62.8	82.3
Volume/Cap:	0.00	0.00	0.00	0.30	0.00	0.48	0.33	0.16	0.00	0.00	0.33	0.05
Delay/Veh:	0.0	0.0	0.0	34.9	0.0	30.5	44.2	4.7	0.0	0.0	8.9	1.6
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:	0.0	0.0	0.0	34.9	0.0	30.5	44.2	4.7	0.0	0.0	8.9	1.6
LOS by Move:	A	A	A	C	A	C	D	A	A	A	A	A
HCM2kAvgQ:	0	0	0	3	0	7	2	2	0	0	5	0

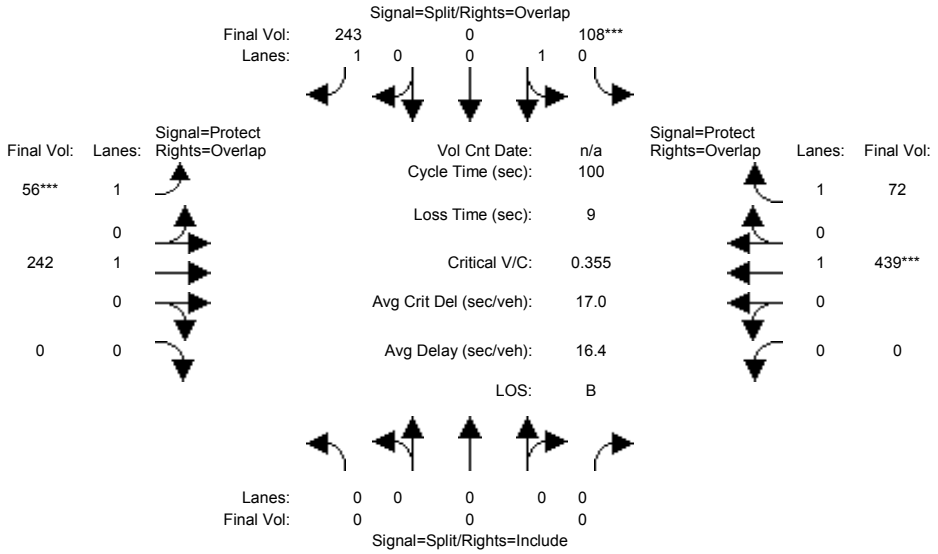
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	108	0	243	56	242	0	0	439	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	108	0	243	56	242	0	0	439	72
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	108	0	243	56	242	0	0	439	72
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	108	0	243	56	242	0	0	439	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	108	0	243	56	242	0	0	439	72
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:	0	0	0	108	0	243	56	242	0	0	439	72
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.14	0.03	0.13	0.00	0.00	0.23	0.04
Crit Moves:				****			****				****	
Green Time:	0.0	0.0	0.0	18.9	0.0	27.7	8.8	72.1	0.0	0.0	63.3	82.2
Volume/Cap:	0.00	0.00	0.00	0.32	0.00	0.50	0.36	0.18	0.00	0.00	0.36	0.05
Delay/Veh:	0.0	0.0	0.0	35.5	0.0	31.2	44.5	4.5	0.0	0.0	8.9	1.7
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:	0.0	0.0	0.0	35.5	0.0	31.2	44.5	4.5	0.0	0.0	8.9	1.7
LOS by Move:	A	A	A	D	A	C	D	A	A	A	A	A
HCM2kAvgQ:	0	0	0	3	0	7	2	2	0	0	6	0

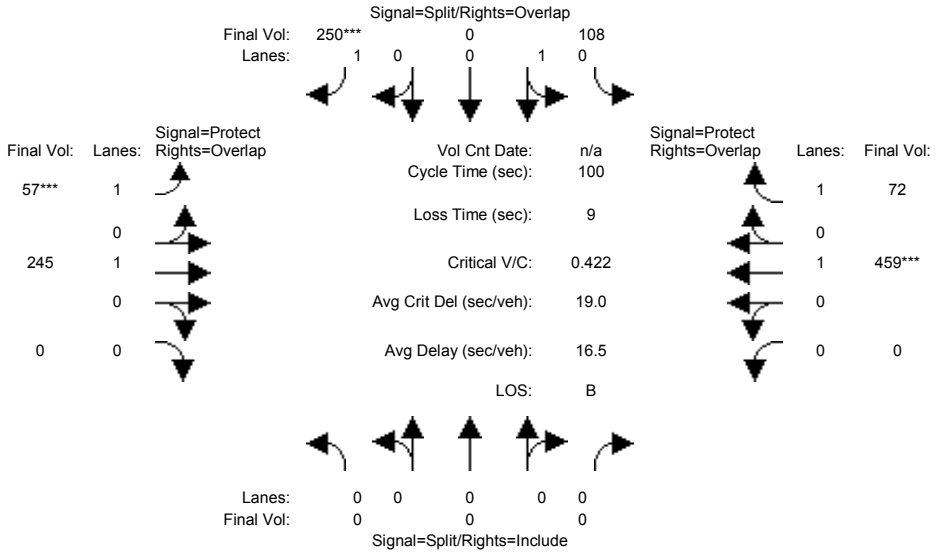
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	108	0	243	56	242	0	0	439	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	108	0	243	56	242	0	0	439	72
Added Vol:	0	0	0	0	0	7	1	3	0	0	20	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	108	0	250	57	245	0	0	459	72
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	108	0	250	57	245	0	0	459	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	108	0	250	57	245	0	0	459	72
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:	0	0	0	108	0	250	57	245	0	0	459	72
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.14	0.03	0.13	0.00	0.00	0.24	0.04
Crit Moves:						****	****				****	
Green Time:	0.0	0.0	0.0	19.1	0.0	27.6	8.5	71.9	0.0	0.0	63.4	82.5
Volume/Cap:	0.00	0.00	0.00	0.31	0.00	0.52	0.38	0.18	0.00	0.00	0.38	0.05
Delay/Veh:	0.0	0.0	0.0	35.3	0.0	31.5	44.9	4.6	0.0	0.0	9.1	1.6
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:	0.0	0.0	0.0	35.3	0.0	31.5	44.9	4.6	0.0	0.0	9.1	1.6
LOS by Move:	A	A	A	D	A	C	D	A	A	A	A	A
HCM2kAvgQ:	0	0	0	3	0	7	2	2	0	0	7	0

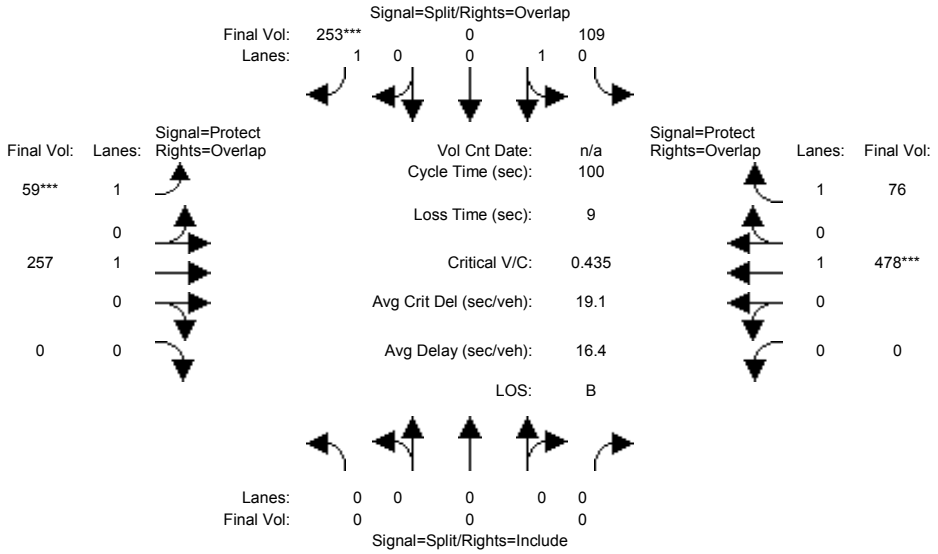
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	109	0	253	59	257	0	0	478	76
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	109	0	253	59	257	0	0	478	76
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	109	0	253	59	257	0	0	478	76
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	109	0	253	59	257	0	0	478	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	109	0	253	59	257	0	0	478	76
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:	0	0	0	109	0	253	59	257	0	0	478	76
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.14	0.03	0.14	0.00	0.00	0.25	0.04
Crit Moves:						****	****				****	
Green Time:	0.0	0.0	0.0	18.9	0.0	27.4	8.5	72.1	0.0	0.0	63.6	82.5
Volume/Cap:	0.00	0.00	0.00	0.32	0.00	0.53	0.40	0.19	0.00	0.00	0.40	0.05
Delay/Veh:	0.0	0.0	0.0	35.6	0.0	31.9	45.0	4.6	0.0	0.0	9.1	1.6
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:	0.0	0.0	0.0	35.6	0.0	31.9	45.0	4.6	0.0	0.0	9.1	1.6
LOS by Move:	A	A	A	D	A	C	D	A	A	A	A	A
HCM2kAvgQ:	0	0	0	3	0	8	2	3	0	0	7	0

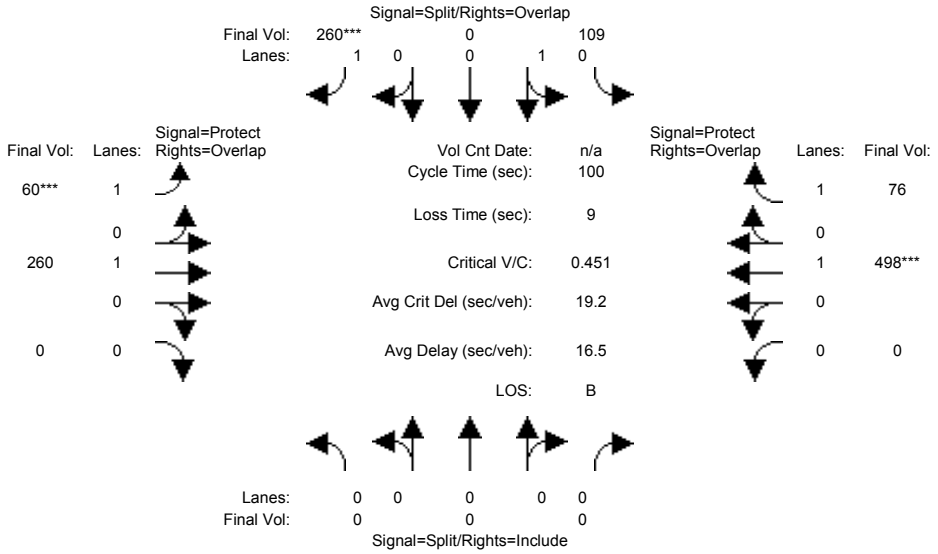
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	109	0	253	59	257	0	0	478	76
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	109	0	253	59	257	0	0	478	76
Added Vol:	0	0	0	0	0	7	1	3	0	0	20	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	109	0	260	60	260	0	0	498	76
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	109	0	260	60	260	0	0	498	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	109	0	260	60	260	0	0	498	76
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:	0	0	0	109	0	260	60	260	0	0	498	76
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.15	0.03	0.14	0.00	0.00	0.26	0.04
Crit Moves:						****	****				****	
Green Time:	0.0	0.0	0.0	19.1	0.0	27.4	8.3	71.9	0.0	0.0	63.6	82.7
Volume/Cap:	0.00	0.00	0.00	0.32	0.00	0.54	0.41	0.19	0.00	0.00	0.41	0.05
Delay/Veh:	0.0	0.0	0.0	35.4	0.0	32.2	45.4	4.6	0.0	0.0	9.2	1.6
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:	0.0	0.0	0.0	35.4	0.0	32.2	45.4	4.6	0.0	0.0	9.2	1.6
LOS by Move:	A	A	A	D	A	C	D	A	A	A	A	A
HCM2kAvgQ:	0	0	0	3	0	8	2	3	0	0	7	0

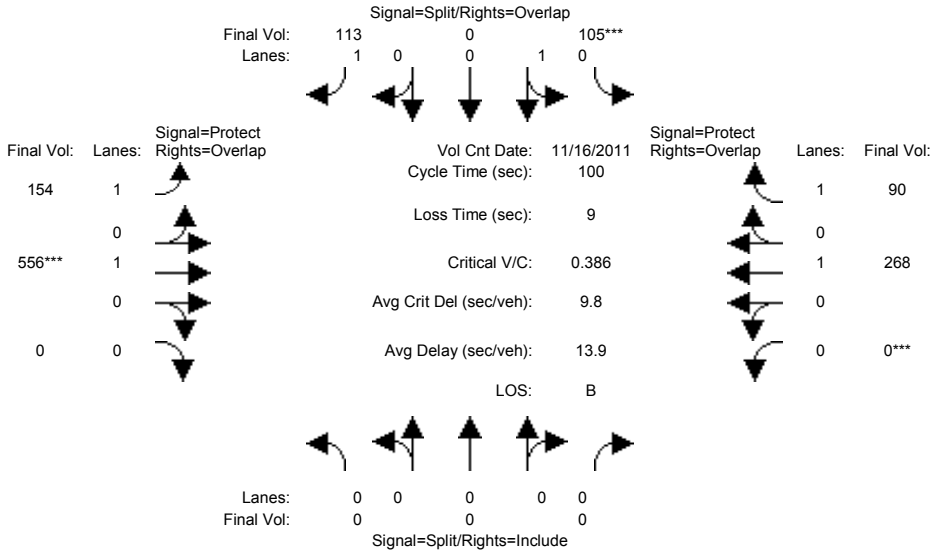
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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: 16 Nov 2011 <<												
Base Vol:	0	0	0	105	0	113	154	556	0	0	268	90
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	105	0	113	154	556	0	0	268	90
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	105	0	113	154	556	0	0	268	90
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	105	0	113	154	556	0	0	268	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	105	0	113	154	556	0	0	268	90
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:	0	0	0	105	0	113	154	556	0	0	268	90
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.06	0.09	0.29	0.00	0.00	0.14	0.05
Crit Moves:				****				****		****		
Green Time:	0.0	0.0	0.0	15.1	0.0	44.3	29.2	75.9	0.0	0.0	46.7	61.8
Volume/Cap:	0.00	0.00	0.00	0.39	0.00	0.15	0.30	0.39	0.00	0.00	0.30	0.08
Delay/Veh:	0.0	0.0	0.0	39.2	0.0	16.7	27.9	4.3	0.0	0.0	16.7	7.7
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:	0.0	0.0	0.0	39.2	0.0	16.7	27.9	4.3	0.0	0.0	16.7	7.7
LOS by Move:	A	A	A	D	A	B	C	A	A	A	B	A
HCM2kAvgQ:	0	0	0	3	0	2	4	6	0	0	5	1

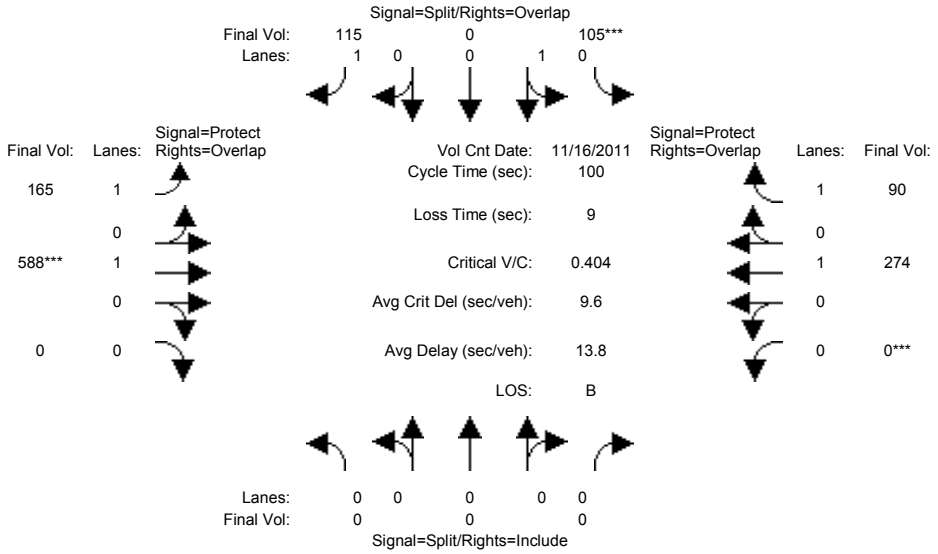
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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: 16 Nov 2011 <<												
Base Vol:	0	0	0	105	0	113	154	556	0	0	268	90
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	105	0	113	154	556	0	0	268	90
Added Vol:	0	0	0	0	0	2	11	32	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	105	0	115	165	588	0	0	274	90
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	105	0	115	165	588	0	0	274	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	105	0	115	165	588	0	0	274	90
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:	0	0	0	105	0	115	165	588	0	0	274	90
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.07	0.09	0.31	0.00	0.00	0.14	0.05
Crit Moves:				****				****		****		
Green Time:	0.0	0.0	0.0	14.4	0.0	44.7	30.3	76.6	0.0	0.0	46.3	60.7
Volume/Cap:	0.00	0.00	0.00	0.40	0.00	0.15	0.31	0.40	0.00	0.00	0.31	0.08
Delay/Veh:	0.0	0.0	0.0	39.9	0.0	16.5	27.2	4.2	0.0	0.0	17.1	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:	0.0	0.0	0.0	39.9	0.0	16.5	27.2	4.2	0.0	0.0	17.1	8.2
LOS by Move:	A	A	A	D	A	B	C	A	A	A	B	A
HCM2kAvgQ:	0	0	0	3	0	2	4	6	0	0	5	1

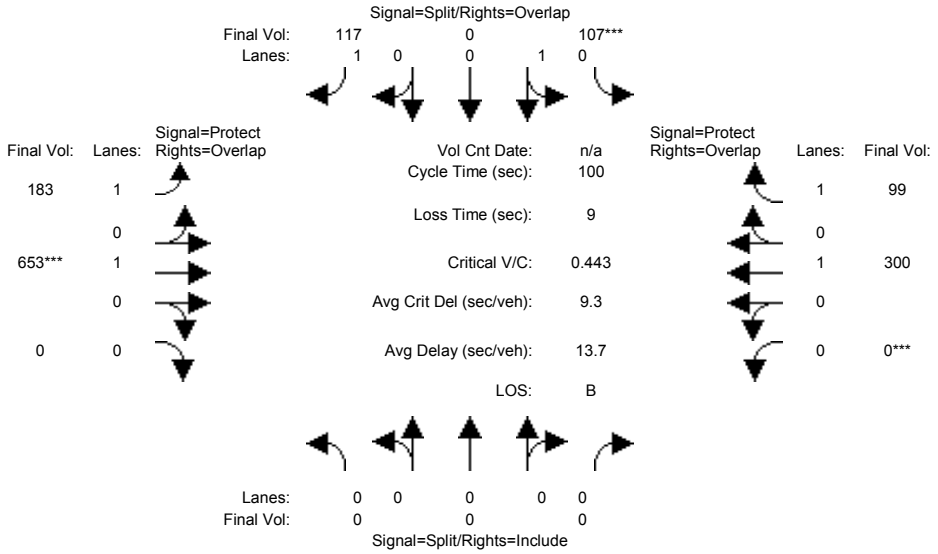
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	107	0	117	183	653	0	0	300	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:	0	0	0	107	0	117	183	653	0	0	300	99
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	107	0	117	183	653	0	0	300	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:	0	0	0	107	0	117	183	653	0	0	300	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	107	0	117	183	653	0	0	300	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:	0	0	0	107	0	117	183	653	0	0	300	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	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.07	0.10	0.34	0.00	0.00	0.16	0.06
Crit Moves:				****				****		****		
Green Time:	0.0	0.0	0.0	13.4	0.0	44.3	30.9	77.6	0.0	0.0	46.7	60.1
Volume/Cap:	0.00	0.00	0.00	0.44	0.00	0.15	0.34	0.44	0.00	0.00	0.34	0.09
Delay/Veh:	0.0	0.0	0.0	41.1	0.0	16.7	27.0	4.0	0.0	0.0	17.1	8.5
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:	0.0	0.0	0.0	41.1	0.0	16.7	27.0	4.0	0.0	0.0	17.1	8.5
LOS by Move:	A	A	A	D	A	B	C	A	A	A	B	A
HCM2kAvgQ:	0	0	0	4	0	2	5	7	0	0	6	1

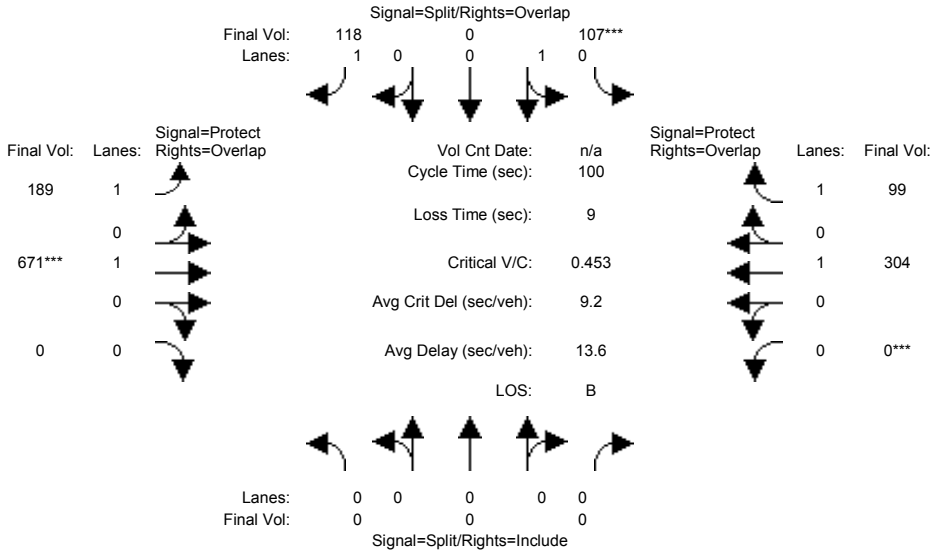
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	107	0	117	183	653	0	0	300	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:	0	0	0	107	0	117	183	653	0	0	300	99
Added Vol:	0	0	0	0	0	1	6	18	0	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	107	0	118	189	671	0	0	304	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:	0	0	0	107	0	118	189	671	0	0	304	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	107	0	118	189	671	0	0	304	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:	0	0	0	107	0	118	189	671	0	0	304	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	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.07	0.11	0.35	0.00	0.00	0.16	0.06
Crit Moves:				****				****		****		
Green Time:	0.0	0.0	0.0	13.1	0.0	44.5	31.4	77.9	0.0	0.0	46.5	59.6
Volume/Cap:	0.00	0.00	0.00	0.45	0.00	0.15	0.34	0.45	0.00	0.00	0.34	0.09
Delay/Veh:	0.0	0.0	0.0	41.5	0.0	16.6	26.8	4.0	0.0	0.0	17.3	8.7
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:	0.0	0.0	0.0	41.5	0.0	16.6	26.8	4.0	0.0	0.0	17.3	8.7
LOS by Move:	A	A	A	D	A	B	C	A	A	A	B	A
HCM2kAvgQ:	0	0	0	4	0	2	5	7	0	0	6	1

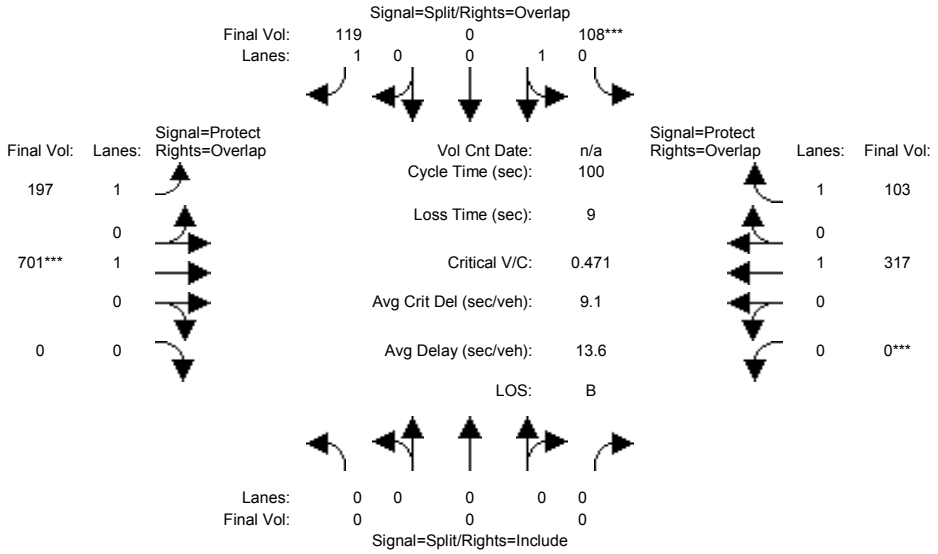
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	108	0	119	197	701	0	0	317	103
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	108	0	119	197	701	0	0	317	103
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	108	0	119	197	701	0	0	317	103
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	108	0	119	197	701	0	0	317	103
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	108	0	119	197	701	0	0	317	103
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:	0	0	0	108	0	119	197	701	0	0	317	103
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.07	0.11	0.37	0.00	0.00	0.17	0.06
Crit Moves:				****				****		****		
Green Time:	0.0	0.0	0.0	12.7	0.0	44.3	31.5	78.3	0.0	0.0	46.7	59.5
Volume/Cap:	0.00	0.00	0.00	0.47	0.00	0.15	0.36	0.47	0.00	0.00	0.36	0.10
Delay/Veh:	0.0	0.0	0.0	42.0	0.0	16.8	26.8	4.0	0.0	0.0	17.3	8.8
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:	0.0	0.0	0.0	42.0	0.0	16.8	26.8	4.0	0.0	0.0	17.3	8.8
LOS by Move:	A	A	A	D	A	B	C	A	A	A	B	A
HCM2kAvgQ:	0	0	0	4	0	2	5	8	0	0	6	1

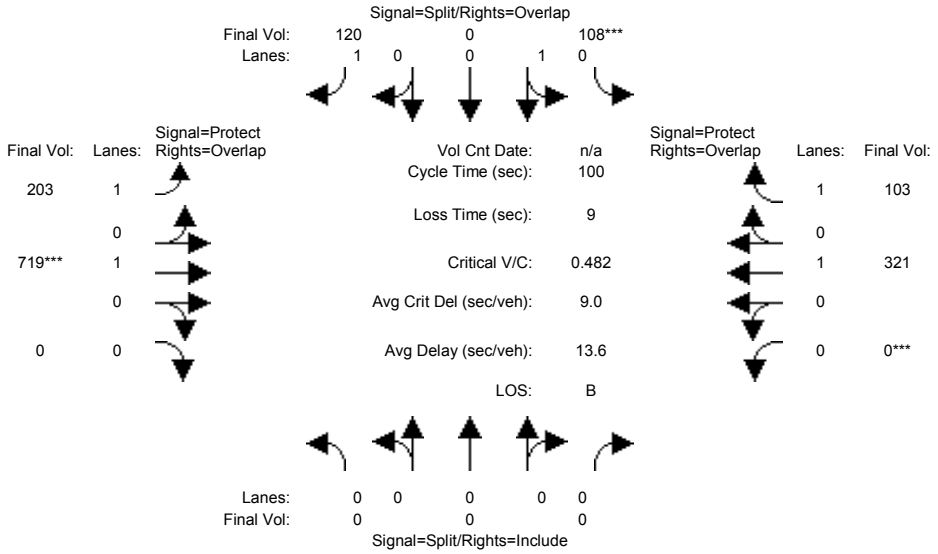
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #5: Borregas Ave & Maude Ave



Street Name:	Borregas 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:	0	0	0	7	0	10	7	10	0	0	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:												
Base Vol:	0	0	0	108	0	119	197	701	0	0	317	103
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	108	0	119	197	701	0	0	317	103
Added Vol:	0	0	0	0	0	1	6	18	0	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	108	0	120	203	719	0	0	321	103
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	108	0	120	203	719	0	0	321	103
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	108	0	120	203	719	0	0	321	103
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:	0	0	0	108	0	120	203	719	0	0	321	103
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	1800	0	1750	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.07	0.12	0.38	0.00	0.00	0.17	0.06
Crit Moves:				****				****		****		
Green Time:	0.0	0.0	0.0	12.5	0.0	44.4	32.0	78.5	0.0	0.0	46.6	59.0
Volume/Cap:	0.00	0.00	0.00	0.48	0.00	0.15	0.36	0.48	0.00	0.00	0.36	0.10
Delay/Veh:	0.0	0.0	0.0	42.4	0.0	16.7	26.6	3.9	0.0	0.0	17.4	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:	0.0	0.0	0.0	42.4	0.0	16.7	26.6	3.9	0.0	0.0	17.4	9.0
LOS by Move:	A	A	A	D	A	B	C	A	A	A	B	A
HCM2kAvgQ:	0	0	0	4	0	2	5	8	0	0	6	1

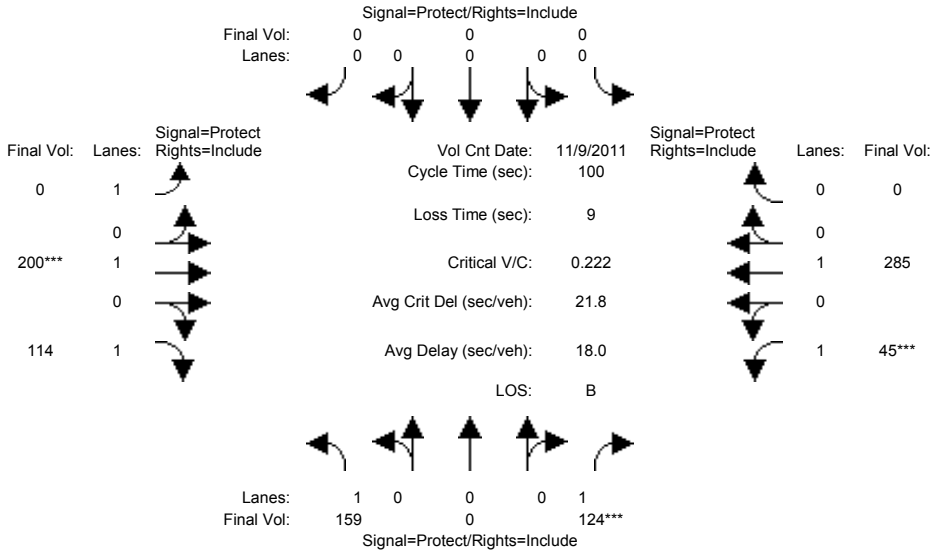
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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: 9 Nov 2011 <<												
Base Vol:	159	0	124	0	0	0	0	200	114	45	285	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:	159	0	124	0	0	0	0	200	114	45	285	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:	159	0	124	0	0	0	0	200	114	45	285	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	159	0	124	0	0	0	0	200	114	45	285	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	0	124	0	0	0	0	200	114	45	285	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	159	0	124	0	0	0	0	200	114	45	285	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	0.11	0.07	0.03	0.15	0.00
Crit Moves:			****					****		****		
Green Time:	31.9	0.0	31.9	0.0	0.0	0.0	0.0	47.5	47.5	11.6	59.1	0.0
Volume/Cap:	0.28	0.00	0.22	0.00	0.00	0.00	0.00	0.22	0.14	0.22	0.25	0.00
Delay/Veh:	25.8	0.0	25.1	0.0	0.0	0.0	0.0	15.6	14.8	40.7	10.0	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:	25.8	0.0	25.1	0.0	0.0	0.0	0.0	15.6	14.8	40.7	10.0	0.0
LOS by Move:	C	A	C	A	A	A	A	B	B	D	A	A
HCM2kAvgQ:	4	0	3	0	0	0	0	3	2	1	4	0

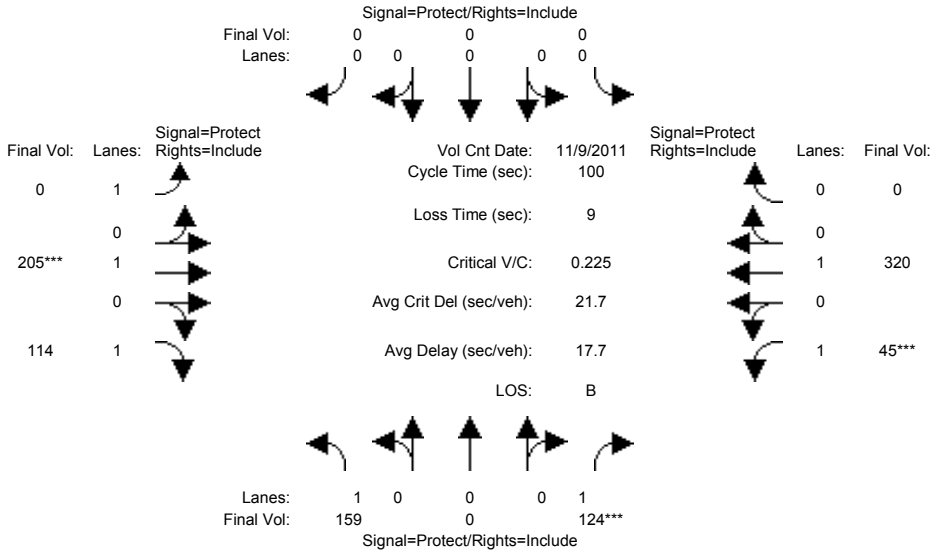
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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: 9 Nov 2011 <<												
Base Vol:	159	0	124	0	0	0	0	200	114	45	285	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:	159	0	124	0	0	0	0	200	114	45	285	0
Added Vol:	0	0	0	0	0	0	0	5	0	0	35	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	159	0	124	0	0	0	0	205	114	45	320	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	159	0	124	0	0	0	0	205	114	45	320	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	0	124	0	0	0	0	205	114	45	320	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	159	0	124	0	0	0	0	205	114	45	320	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	0.11	0.07	0.03	0.17	0.00
Crit Moves:			****					****		****		
Green Time:	31.5	0.0	31.5	0.0	0.0	0.0	0.0	48.0	48.0	11.4	59.5	0.0
Volume/Cap:	0.29	0.00	0.22	0.00	0.00	0.00	0.00	0.22	0.14	0.22	0.28	0.00
Delay/Veh:	26.1	0.0	25.4	0.0	0.0	0.0	0.0	15.3	14.5	40.8	10.0	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:	26.1	0.0	25.4	0.0	0.0	0.0	0.0	15.3	14.5	40.8	10.0	0.0
LOS by Move:	C	A	C	A	A	A	A	B	B	D	B	A
HCM2kAvgQ:	4	0	3	0	0	0	0	4	2	1	5	0

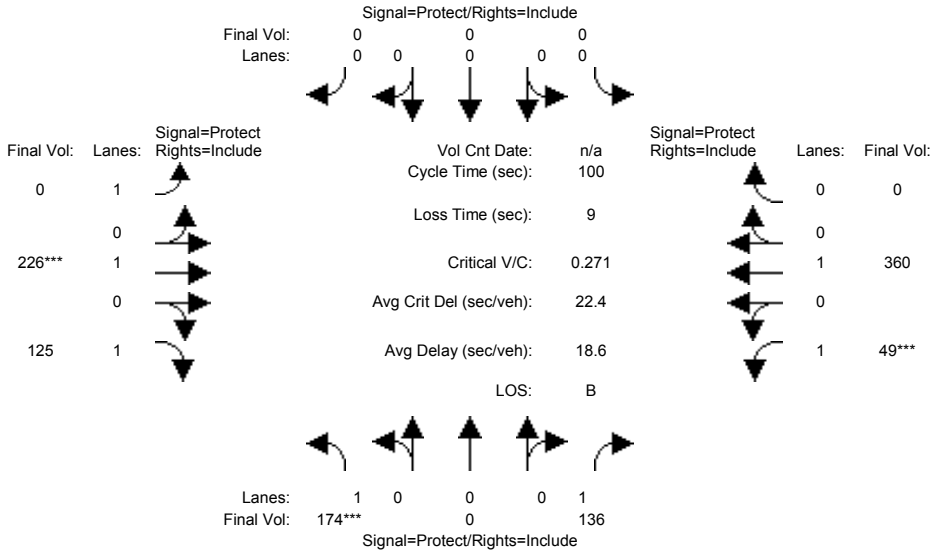
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	174	0	136	0	0	0	0	226	125	49	360	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:	174	0	136	0	0	0	0	226	125	49	360	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:	174	0	136	0	0	0	0	226	125	49	360	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:	174	0	136	0	0	0	0	226	125	49	360	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	174	0	136	0	0	0	0	226	125	49	360	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:	174	0	136	0	0	0	0	226	125	49	360	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:	0.10	0.00	0.08	0.00	0.00	0.00	0.00	0.12	0.07	0.03	0.19	0.00
Crit Moves:	****							****		****		
Green Time:	36.7	0.0	36.7	0.0	0.0	0.0	0.0	43.9	43.9	10.3	54.3	0.0
Volume/Cap:	0.27	0.00	0.21	0.00	0.00	0.00	0.00	0.27	0.16	0.27	0.35	0.00
Delay/Veh:	22.5	0.0	21.9	0.0	0.0	0.0	0.0	18.0	17.0	42.2	13.1	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:	22.5	0.0	21.9	0.0	0.0	0.0	0.0	18.0	17.0	42.2	13.1	0.0
LOS by Move:	C	A	C	A	A	A	A	B	B	D	B	A
HCM2kAvgQ:	4	0	3	0	0	0	0	4	2	1	6	0

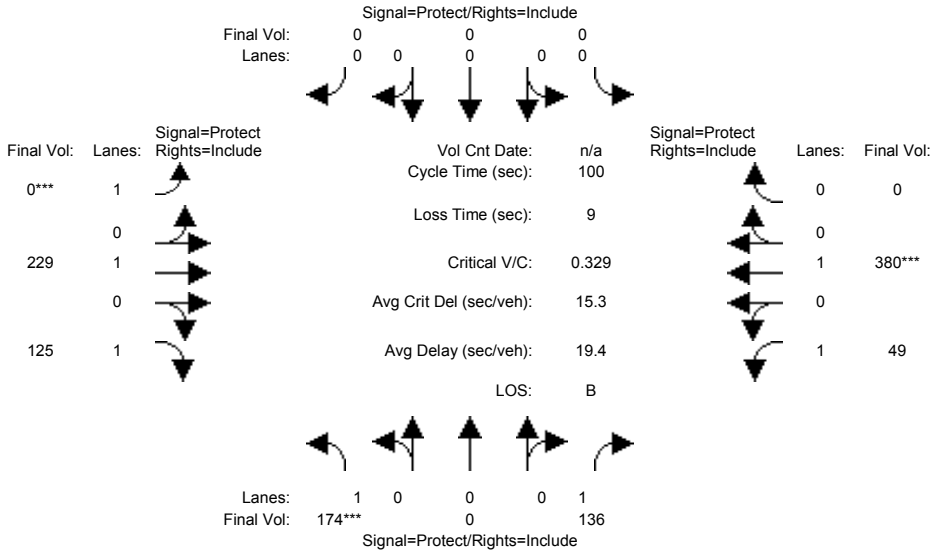
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	174	0	136	0	0	0	0	226	125	49	360	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:	174	0	136	0	0	0	0	226	125	49	360	0
Added Vol:	0	0	0	0	0	0	0	3	0	0	20	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	174	0	136	0	0	0	0	229	125	49	380	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:	174	0	136	0	0	0	0	229	125	49	380	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	174	0	136	0	0	0	0	229	125	49	380	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:	174	0	136	0	0	0	0	229	125	49	380	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:	0.10	0.00	0.08	0.00	0.00	0.00	0.00	0.12	0.07	0.03	0.20	0.00
Crit Moves:	****						****				****	
Green Time:	30.2	0.0	30.2	0.0	0.0	0.0	0.0	38.5	38.5	22.3	60.8	0.0
Volume/Cap:	0.33	0.00	0.26	0.00	0.00	0.00	0.00	0.31	0.19	0.13	0.33	0.00
Delay/Veh:	27.4	0.0	26.7	0.0	0.0	0.0	0.0	21.8	20.5	31.2	9.8	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:	27.4	0.0	26.7	0.0	0.0	0.0	0.0	21.8	20.5	31.2	9.8	0.0
LOS by Move:	C	A	C	A	A	A	A	C	C	C	A	A
HCM2kAvgQ:	5	0	3	0	0	0	0	5	3	1	6	0

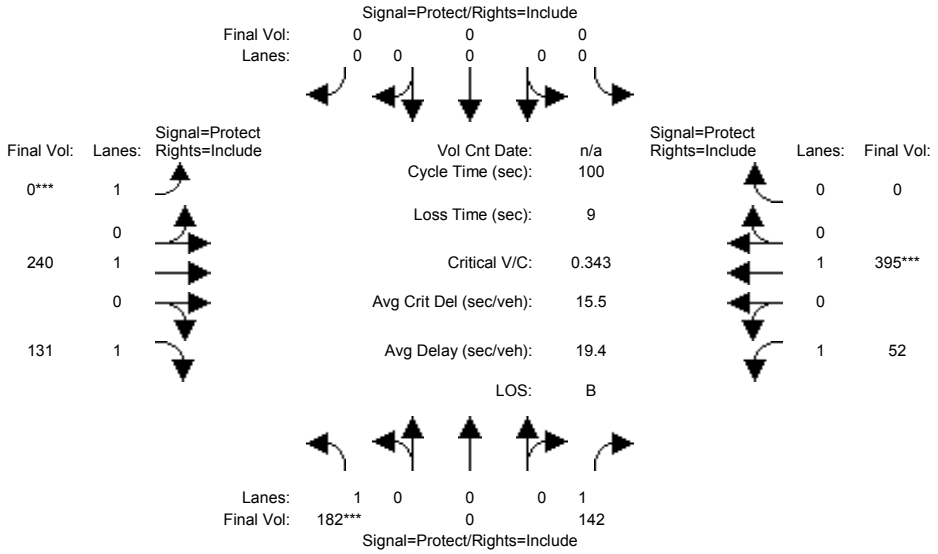
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	182	0	142	0	0	0	0	240	131	52	395	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:	182	0	142	0	0	0	0	240	131	52	395	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:	182	0	142	0	0	0	0	240	131	52	395	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:	182	0	142	0	0	0	0	240	131	52	395	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	182	0	142	0	0	0	0	240	131	52	395	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:	182	0	142	0	0	0	0	240	131	52	395	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:	0.10	0.00	0.08	0.00	0.00	0.00	0.00	0.13	0.07	0.03	0.21	0.00
Crit Moves:	****						****				****	
Green Time:	30.3	0.0	30.3	0.0	0.0	0.0	0.0	39.0	39.0	21.6	60.7	0.0
Volume/Cap:	0.34	0.00	0.27	0.00	0.00	0.00	0.00	0.32	0.19	0.14	0.34	0.00
Delay/Veh:	27.5	0.0	26.7	0.0	0.0	0.0	0.0	21.5	20.2	31.8	9.9	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:	27.5	0.0	26.7	0.0	0.0	0.0	0.0	21.5	20.2	31.8	9.9	0.0
LOS by Move:	C	A	C	A	A	A	A	C	C	C	A	A
HCM2kAvgQ:	5	0	4	0	0	0	0	5	3	1	6	0

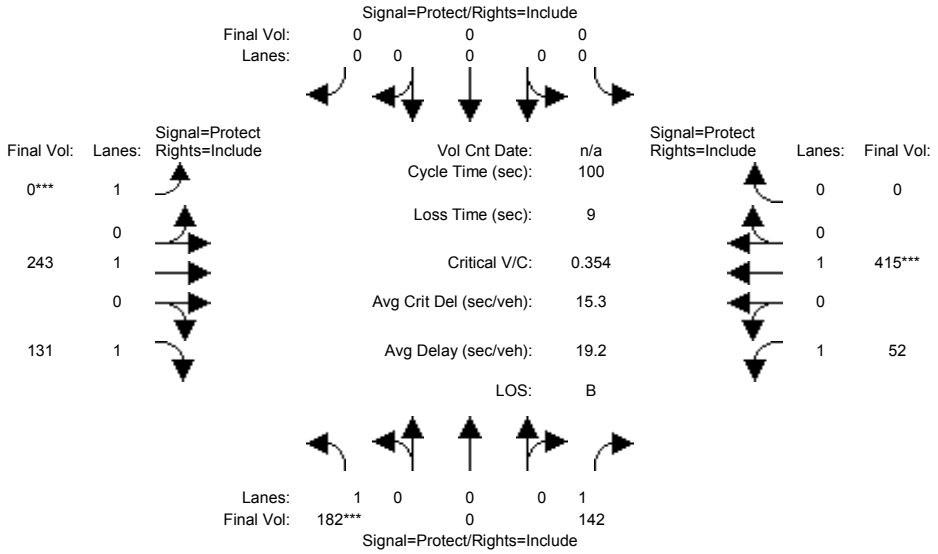
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	182	0	142	0	0	0	0	240	131	52	395	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:	182	0	142	0	0	0	0	240	131	52	395	0
Added Vol:	0	0	0	0	0	0	0	3	0	0	20	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	182	0	142	0	0	0	0	243	131	52	415	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:	182	0	142	0	0	0	0	243	131	52	415	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	182	0	142	0	0	0	0	243	131	52	415	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:	182	0	142	0	0	0	0	243	131	52	415	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:	0.10	0.00	0.08	0.00	0.00	0.00	0.00	0.13	0.07	0.03	0.22	0.00
Crit Moves:	****						****				****	
Green Time:	29.4	0.0	29.4	0.0	0.0	0.0	0.0	39.8	39.8	21.8	61.6	0.0
Volume/Cap:	0.35	0.00	0.28	0.00	0.00	0.00	0.00	0.32	0.19	0.14	0.35	0.00
Delay/Veh:	28.3	0.0	27.5	0.0	0.0	0.0	0.0	21.0	19.7	31.7	9.6	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:	28.3	0.0	27.5	0.0	0.0	0.0	0.0	21.0	19.7	31.7	9.6	0.0
LOS by Move:	C	A	C	A	A	A	A	C	B	C	A	A
HCM2kAvgQ:	5	0	4	0	0	0	0	5	3	1	6	0

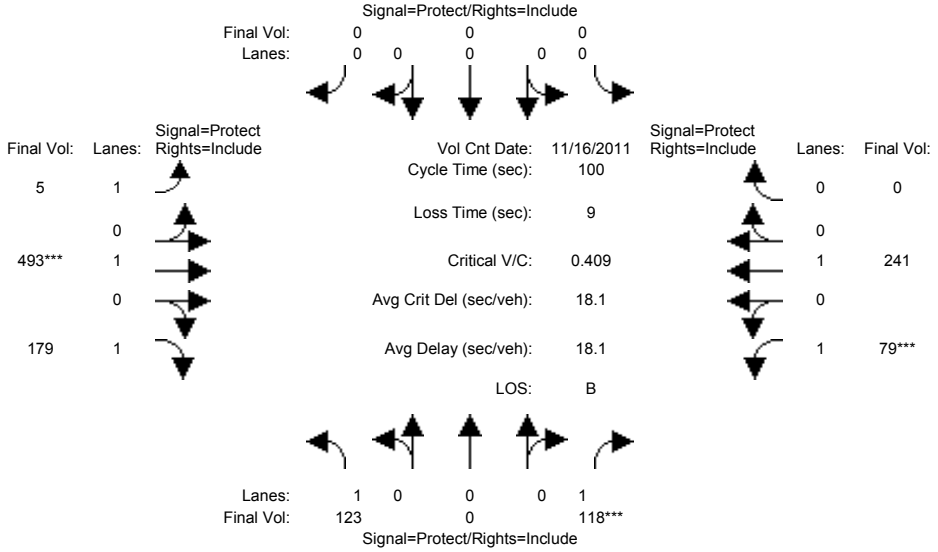
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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: 16 Nov 2011 <<												
Base Vol:	123	0	118	0	0	0	5	493	179	79	241	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:	123	0	118	0	0	0	5	493	179	79	241	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:	123	0	118	0	0	0	5	493	179	79	241	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:	123	0	118	0	0	0	5	493	179	79	241	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	123	0	118	0	0	0	5	493	179	79	241	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:	123	0	118	0	0	0	5	493	179	79	241	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:	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.26	0.10	0.05	0.13	0.00
Crit Moves:			****					****		****		
Green Time:	16.5	0.0	16.5	0.0	0.0	0.0	26.5	63.5	63.5	11.0	48.0	0.0
Volume/Cap:	0.43	0.00	0.41	0.00	0.00	0.00	0.01	0.41	0.16	0.41	0.26	0.00
Delay/Veh:	38.5	0.0	38.3	0.0	0.0	0.0	27.1	9.2	7.5	42.8	15.6	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:	38.5	0.0	38.3	0.0	0.0	0.0	27.1	9.2	7.5	42.8	15.6	0.0
LOS by Move:	D	A	D	A	A	A	C	A	A	D	B	A
HCM2kAvgQ:	4	0	4	0	0	0	0	7	2	2	4	0

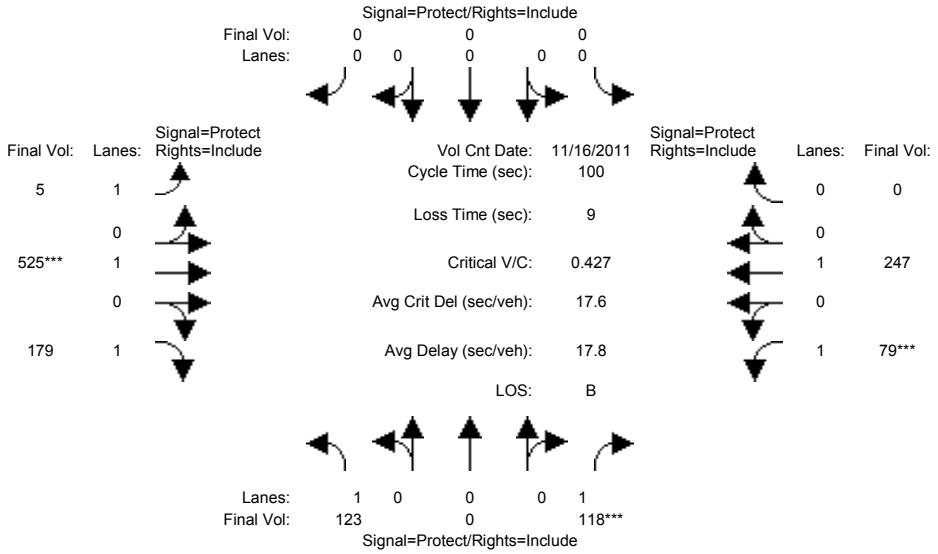
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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: 16 Nov 2011 <<												
Base Vol:	123	0	118	0	0	0	5	493	179	79	241	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:	123	0	118	0	0	0	5	493	179	79	241	0
Added Vol:	0	0	0	0	0	0	0	32	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	123	0	118	0	0	0	5	525	179	79	247	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:	123	0	118	0	0	0	5	525	179	79	247	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	123	0	118	0	0	0	5	525	179	79	247	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:	123	0	118	0	0	0	5	525	179	79	247	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:	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.28	0.10	0.05	0.13	0.00
Crit Moves:			****					****		****		
Green Time:	15.8	0.0	15.8	0.0	0.0	0.0	26.3	64.7	64.7	10.6	48.9	0.0
Volume/Cap:	0.45	0.00	0.43	0.00	0.00	0.00	0.01	0.43	0.16	0.43	0.27	0.00
Delay/Veh:	39.3	0.0	39.1	0.0	0.0	0.0	27.2	8.9	7.0	43.5	15.2	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:	39.3	0.0	39.1	0.0	0.0	0.0	27.2	8.9	7.0	43.5	15.2	0.0
LOS by Move:	D	A	D	A	A	A	C	A	A	D	B	A
HCM2kAvgQ:	4	0	4	0	0	0	0	8	2	2	4	0

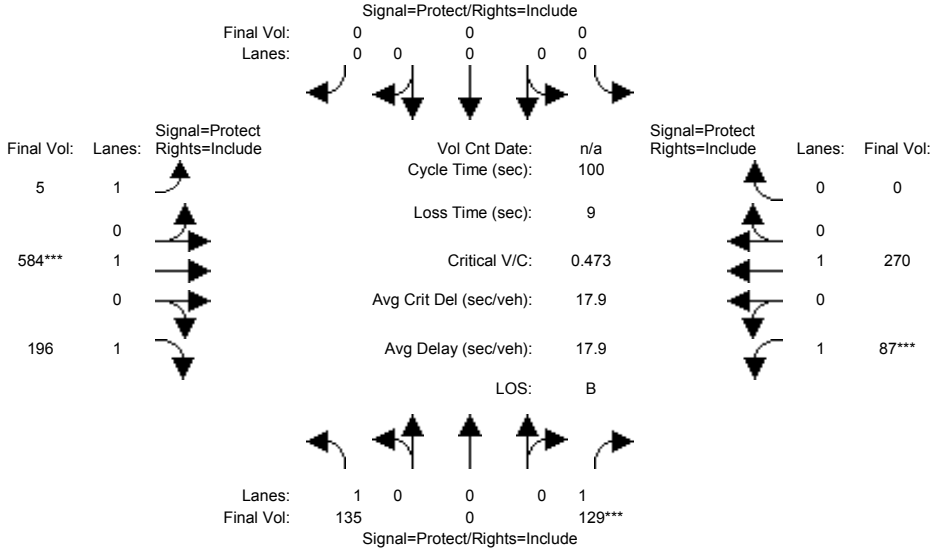
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	135	0	129	0	0	0	5	584	196	87	270	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:	135	0	129	0	0	0	5	584	196	87	270	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:	135	0	129	0	0	0	5	584	196	87	270	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:	135	0	129	0	0	0	5	584	196	87	270	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	0	129	0	0	0	5	584	196	87	270	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:	135	0	129	0	0	0	5	584	196	87	270	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:	0.08	0.00	0.07	0.00	0.00	0.00	0.00	0.31	0.11	0.05	0.14	0.00
Crit Moves:			****					****		****		
Green Time:	15.6	0.0	15.6	0.0	0.0	0.0	24.9	64.9	64.9	10.5	50.5	0.0
Volume/Cap:	0.50	0.00	0.47	0.00	0.00	0.00	0.01	0.47	0.17	0.47	0.28	0.00
Delay/Veh:	40.0	0.0	39.8	0.0	0.0	0.0	28.3	9.2	7.0	44.1	14.4	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:	40.0	0.0	39.8	0.0	0.0	0.0	28.3	9.2	7.0	44.1	14.4	0.0
LOS by Move:	D	A	D	A	A	A	C	A	A	D	B	A
HCM2kAvgQ:	5	0	4	0	0	0	0	9	2	3	5	0

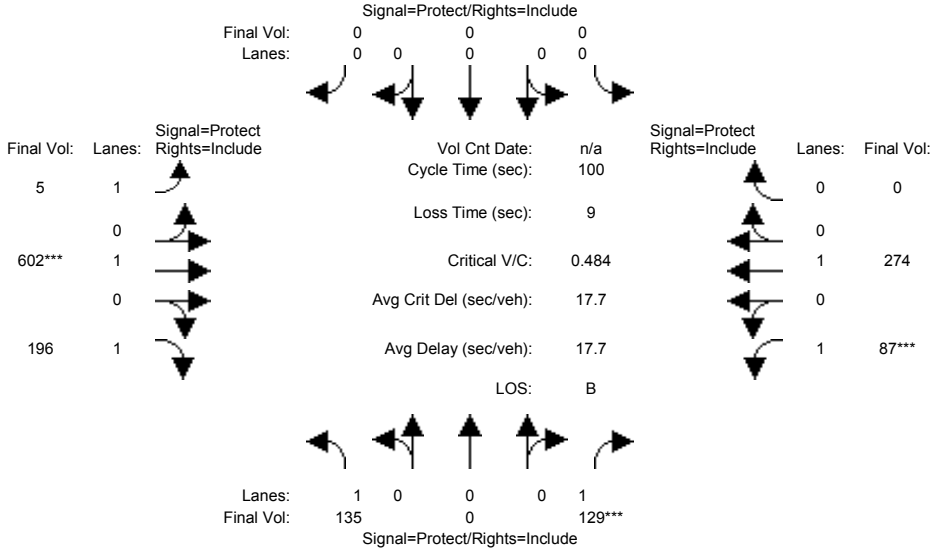
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	135	0	129	0	0	0	5	584	196	87	270	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:	135	0	129	0	0	0	5	584	196	87	270	0
Added Vol:	0	0	0	0	0	0	0	18	0	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	0	129	0	0	0	5	602	196	87	274	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:	135	0	129	0	0	0	5	602	196	87	274	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	0	129	0	0	0	5	602	196	87	274	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:	135	0	129	0	0	0	5	602	196	87	274	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:	0.08	0.00	0.07	0.00	0.00	0.00	0.00	0.32	0.11	0.05	0.14	0.00
Crit Moves:			****					****		****		
Green Time:	15.2	0.0	15.2	0.0	0.0	0.0	24.8	65.5	65.5	10.3	51.0	0.0
Volume/Cap:	0.51	0.00	0.48	0.00	0.00	0.00	0.01	0.48	0.17	0.48	0.28	0.00
Delay/Veh:	40.5	0.0	40.2	0.0	0.0	0.0	28.4	9.0	6.8	44.4	14.2	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:	40.5	0.0	40.2	0.0	0.0	0.0	28.4	9.0	6.8	44.4	14.2	0.0
LOS by Move:	D	A	D	A	A	A	C	A	A	D	B	A
HCM2kAvgQ:	5	0	4	0	0	0	0	9	2	3	5	0

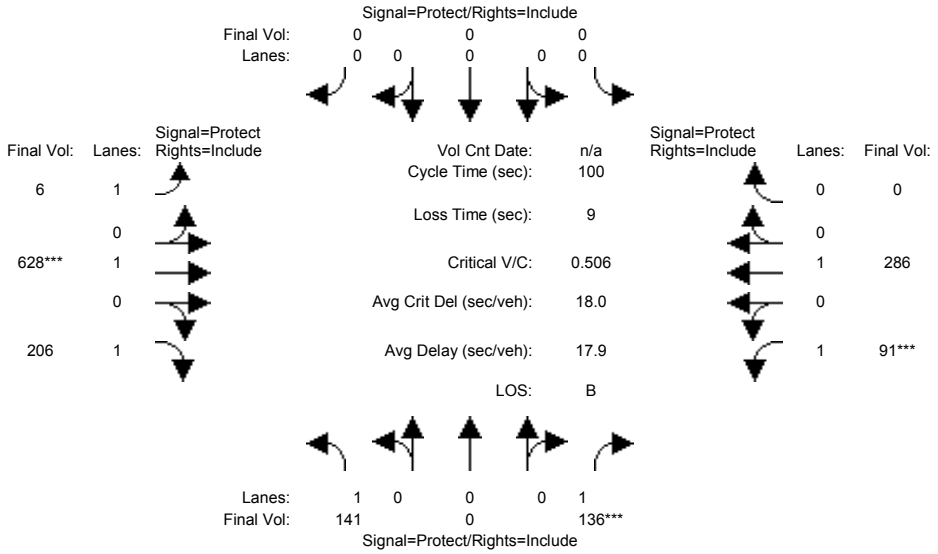
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	141	0	136	0	0	0	6	628	206	91	286	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:	141	0	136	0	0	0	6	628	206	91	286	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:	141	0	136	0	0	0	6	628	206	91	286	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:	141	0	136	0	0	0	6	628	206	91	286	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	141	0	136	0	0	0	6	628	206	91	286	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:	141	0	136	0	0	0	6	628	206	91	286	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:	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.33	0.12	0.05	0.15	0.00
Crit Moves:			****					****		****		
Green Time:	15.4	0.0	15.4	0.0	0.0	0.0	24.0	65.4	65.4	10.3	51.6	0.0
Volume/Cap:	0.52	0.00	0.51	0.00	0.00	0.00	0.01	0.51	0.18	0.51	0.29	0.00
Delay/Veh:	40.8	0.0	40.4	0.0	0.0	0.0	29.0	9.3	6.9	44.8	13.9	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:	40.8	0.0	40.4	0.0	0.0	0.0	29.0	9.3	6.9	44.8	13.9	0.0
LOS by Move:	D	A	D	A	A	A	C	A	A	D	B	A
HCM2kAvgQ:	5	0	5	0	0	0	0	10	3	3	5	0

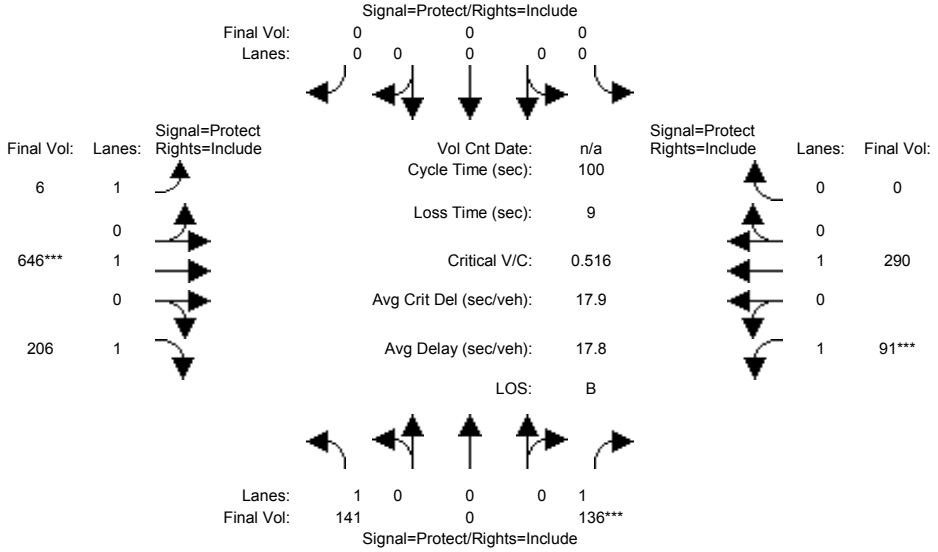
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #6: Sunnyvale Ave & Maude Ave



Street Name:	Sunnyvale 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	0	10	0	0	0	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:												
Base Vol:	141	0	136	0	0	0	6	628	206	91	286	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:	141	0	136	0	0	0	6	628	206	91	286	0
Added Vol:	0	0	0	0	0	0	0	18	0	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	141	0	136	0	0	0	6	646	206	91	290	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:	141	0	136	0	0	0	6	646	206	91	290	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	141	0	136	0	0	0	6	646	206	91	290	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:	141	0	136	0	0	0	6	646	206	91	290	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:	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.34	0.12	0.05	0.15	0.00
Crit Moves:			****					****		****		
Green Time:	15.1	0.0	15.1	0.0	0.0	0.0	23.9	65.9	65.9	10.1	52.1	0.0
Volume/Cap:	0.54	0.00	0.52	0.00	0.00	0.00	0.01	0.52	0.18	0.52	0.29	0.00
Delay/Veh:	41.4	0.0	40.9	0.0	0.0	0.0	29.1	9.2	6.7	45.3	13.7	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:	41.4	0.0	40.9	0.0	0.0	0.0	29.1	9.2	6.7	45.3	13.7	0.0
LOS by Move:	D	A	D	A	A	A	C	A	A	D	B	A
HCM2kAvgQ:	5	0	5	0	0	0	0	10	3	3	5	0

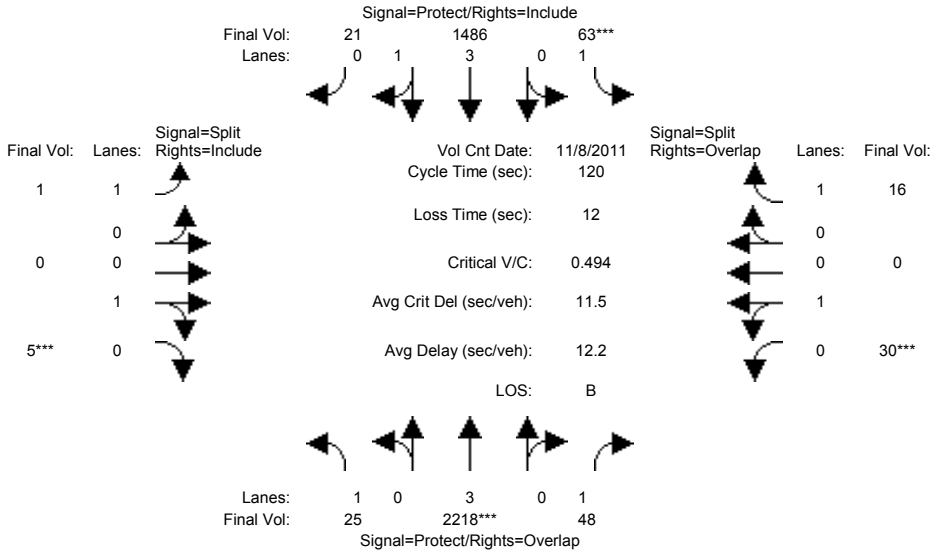
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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: 8 Nov 2011 <<												
Base Vol:	25	2218	48	63	1486	21	1	0	5	30	0	16
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	2218	48	63	1486	21	1	0	5	30	0	16
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:	25	2218	48	63	1486	21	1	0	5	30	0	16
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	2218	48	63	1486	21	1	0	5	30	0	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	2218	48	63	1486	21	1	0	5	30	0	16
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	2218	48	63	1486	21	1	0	5	30	0	16
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	0.99	0.95	0.92	1.00	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.94	0.06	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7395	105	1750	0	1800	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.01	0.39	0.03	0.04	0.20	0.20	0.00	0.00	0.00	0.02	0.00	0.01
Crit Moves:		****		****					****	****		
Green Time:	20.5	83.3	90.3	7.7	70.5	70.5	10.0	0.0	10.0	7.0	0.0	14.7
Volume/Cap:	0.08	0.56	0.04	0.56	0.34	0.34	0.01	0.00	0.03	0.29	0.00	0.07
Delay/Veh:	42.0	9.4	3.8	60.8	12.8	12.8	50.5	0.0	50.6	55.6	0.0	46.8
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:	42.0	9.4	3.8	60.8	12.8	12.8	50.5	0.0	50.6	55.6	0.0	46.8
LOS by Move:	D	A	A	E	B	B	D	A	D	E	A	D
HCM2kAvgQ:	1	14	0	2	7	7	0	0	0	1	0	1

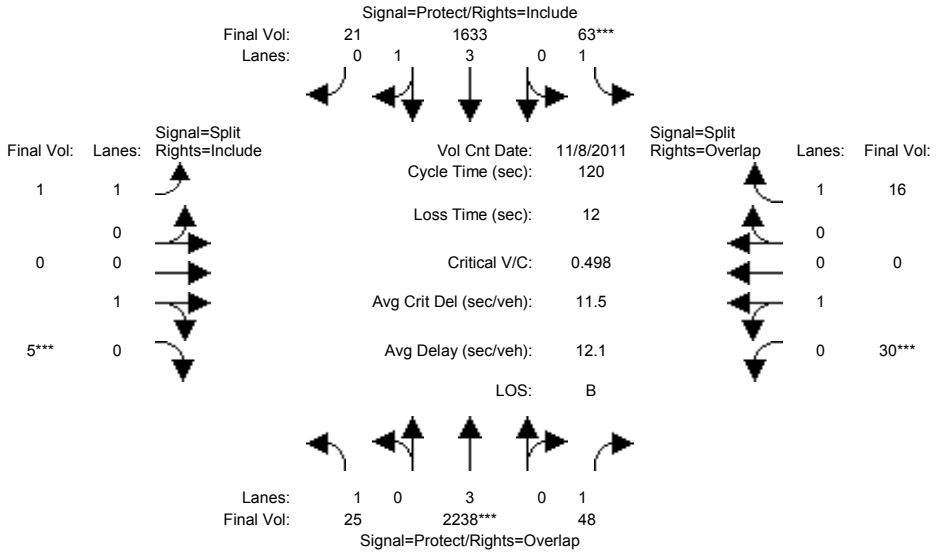
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



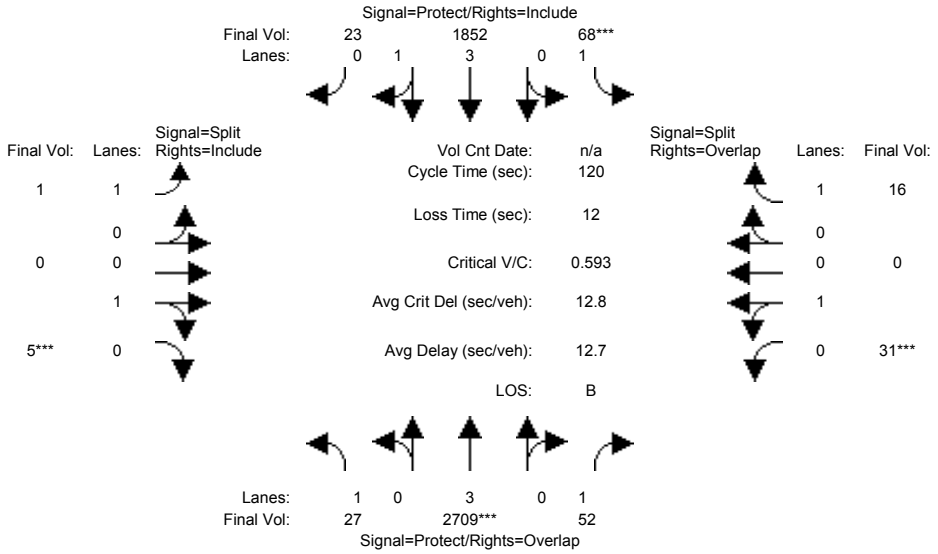

```
Street Name:            Mathilda Ave                      San Aleso Ave
Approach:       North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
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: 8 Nov 2011 <<
Base Vol:      25 2218    48    63 1486    21     1    0     5    30    0    16
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 2218    48    63 1486    21     1    0     5    30    0    16
Added Vol:      0   20     0     0  147     0     0    0     0     0    0     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   25 2238    48    63 1633    21     1    0     5    30    0    16
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 2238    48    63 1633    21     1    0     5    30    0    16
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:   25 2238    48    63 1633    21     1    0     5    30    0    16
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 2238    48    63 1633    21     1    0     5    30    0    16
------------|---------------||---------------||---------------||---------------|
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 0.99  0.95  0.92 1.00  0.95  0.95 0.95  0.92
Lanes:       1.00 3.00  1.00  1.00 3.95  0.05  1.00 0.00  1.00  1.00 0.00  1.00
Final Sat.:  1750 5700  1750  1750 7405    95  1750    0  1800  1800    0  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.01 0.39  0.03  0.04 0.22  0.22  0.00 0.00  0.00  0.02 0.00  0.01
Crit Moves:       ****        ****                          ****  ****
Green Time:  19.0 83.4  90.4   7.6 72.0  72.0  10.0  0.0  10.0   7.0  0.0  14.6
Volume/Cap:  0.09 0.57  0.04  0.57 0.37  0.37  0.01 0.00  0.03  0.29 0.00  0.07
Delay/Veh:   43.2  9.4   3.8  61.2 12.4  12.4  50.5  0.0  50.6  55.6  0.0  46.8
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:  43.2  9.4   3.8  61.2 12.4  12.4  50.5  0.0  50.6  55.6  0.0  46.8
LOS by Move:    D    A     A     E    B     B     D    A     D     E    A     D
HCM2kAvgQ:      1   14     0     2    8     8     0    0     0     1    0     1
Note: Queue reported is the number of cars per lane.
```

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	27	2709	52	68	1852	23	1	0	5	31	0	16
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:	27	2709	52	68	1852	23	1	0	5	31	0	16
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	2709	52	68	1852	23	1	0	5	31	0	16
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	2709	52	68	1852	23	1	0	5	31	0	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	2709	52	68	1852	23	1	0	5	31	0	16
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:	27	2709	52	68	1852	23	1	0	5	31	0	16
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	0.99	0.95	0.92	1.00	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.95	0.05	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7408	92	1750	0	1800	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.48	0.03	0.04	0.25	0.25	0.00	0.00	0.00	0.02	0.00	0.01
Crit Moves:		****		****					****	****		
Green Time:	17.2	84.0	91.0	7.0	73.8	73.8	10.0	0.0	10.0	7.0	0.0	14.0
Volume/Cap:	0.11	0.68	0.04	0.67	0.41	0.41	0.01	0.00	0.03	0.30	0.00	0.08
Delay/Veh:	44.9	10.8	3.6	70.8	11.9	11.9	50.5	0.0	50.6	55.7	0.0	47.4
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:	44.9	10.8	3.6	70.8	11.9	11.9	50.5	0.0	50.6	55.7	0.0	47.4
LOS by Move:	D	B	A	E	B	B	D	A	D	E	A	D
HCM2kAvgQ:	1	19	1	3	9	9	0	0	0	1	0	1

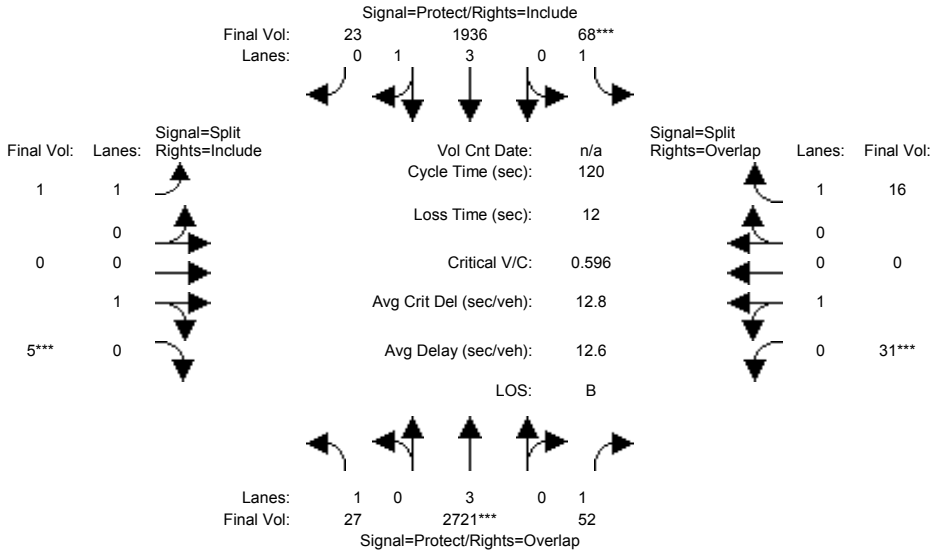
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	27	2709	52	68	1852	23	1	0	5	31	0	16
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:	27	2709	52	68	1852	23	1	0	5	31	0	16
Added Vol:	0	12	0	0	84	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	27	2721	52	68	1936	23	1	0	5	31	0	16
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	2721	52	68	1936	23	1	0	5	31	0	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	2721	52	68	1936	23	1	0	5	31	0	16
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:	27	2721	52	68	1936	23	1	0	5	31	0	16
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	0.99	0.95	0.92	1.00	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.95	0.05	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7412	88	1750	0	1800	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.48	0.03	0.04	0.26	0.26	0.00	0.00	0.00	0.02	0.00	0.01
Crit Moves:		****		****					****	****		
Green Time:	16.6	84.0	91.0	7.0	74.4	74.4	10.0	0.0	10.0	7.0	0.0	14.0
Volume/Cap:	0.11	0.68	0.04	0.67	0.42	0.42	0.01	0.00	0.03	0.30	0.00	0.08
Delay/Veh:	45.4	10.8	3.6	70.8	11.8	11.8	50.5	0.0	50.6	55.7	0.0	47.4
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:	45.4	10.8	3.6	70.8	11.8	11.8	50.5	0.0	50.6	55.7	0.0	47.4
LOS by Move:	D	B	A	E	B	B	D	A	D	E	A	D
HCM2kAvgQ:	1	19	1	3	9	9	0	0	0	1	0	1

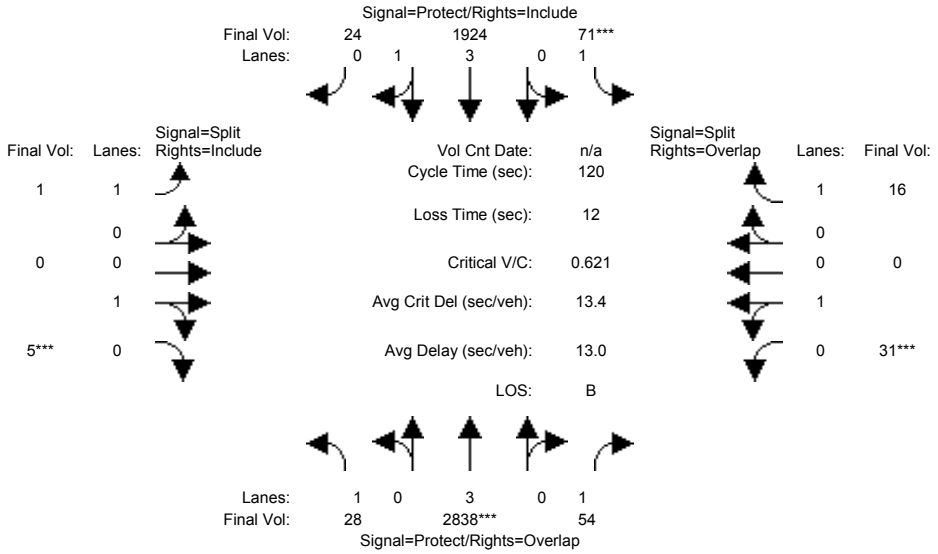
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	28	2838	54	71	1924	24	1	0	5	31	0	16
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:	28	2838	54	71	1924	24	1	0	5	31	0	16
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:	28	2838	54	71	1924	24	1	0	5	31	0	16
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:	28	2838	54	71	1924	24	1	0	5	31	0	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	2838	54	71	1924	24	1	0	5	31	0	16
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:	28	2838	54	71	1924	24	1	0	5	31	0	16
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	0.99	0.95	0.92	1.00	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.95	0.05	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7407	92	1750	0	1800	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.50	0.03	0.04	0.26	0.26	0.00	0.00	0.00	0.02	0.00	0.01
Crit Moves:		****		****					****	****		
Green Time:	16.7	84.0	91.0	7.0	74.3	74.3	10.0	0.0	10.0	7.0	0.0	14.0
Volume/Cap:	0.12	0.71	0.04	0.70	0.42	0.42	0.01	0.00	0.03	0.30	0.00	0.08
Delay/Veh:	45.4	11.4	3.6	74.3	11.8	11.8	50.5	0.0	50.6	55.7	0.0	47.4
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:	45.4	11.4	3.6	74.3	11.8	11.8	50.5	0.0	50.6	55.7	0.0	47.4
LOS by Move:	D	B	A	E	B	B	D	A	D	E	A	D
HCM2kAvgQ:	1	21	1	3	9	9	0	0	0	1	0	1

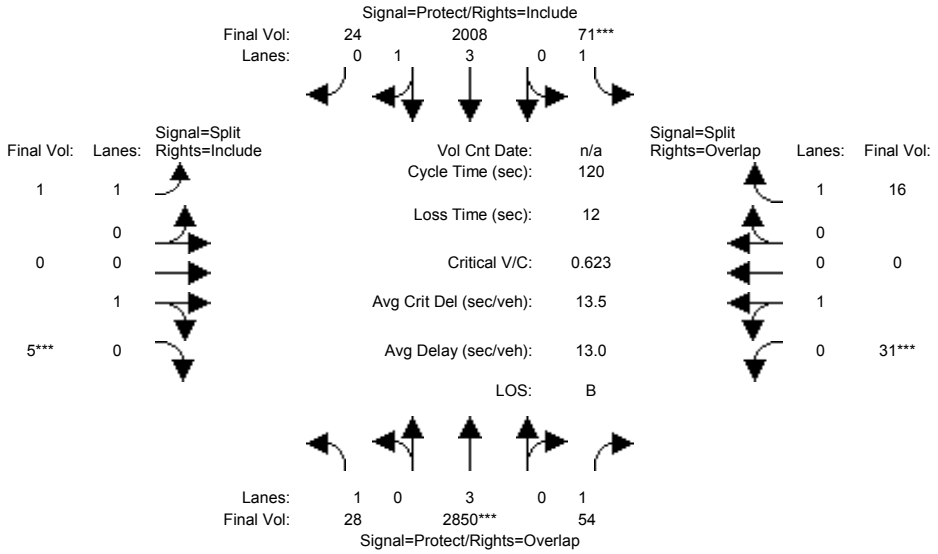
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	28	2838	54	71	1924	24	1	0	5	31	0	16
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:	28	2838	54	71	1924	24	1	0	5	31	0	16
Added Vol:	0	12	0	0	84	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	28	2850	54	71	2008	24	1	0	5	31	0	16
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:	28	2850	54	71	2008	24	1	0	5	31	0	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	2850	54	71	2008	24	1	0	5	31	0	16
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:	28	2850	54	71	2008	24	1	0	5	31	0	16
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	0.99	0.95	0.92	1.00	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.95	0.05	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7411	89	1750	0	1800	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.50	0.03	0.04	0.27	0.27	0.00	0.00	0.00	0.02	0.00	0.01
Crit Moves:		****		****					****	****		
Green Time:	16.1	84.0	91.0	7.0	74.9	74.9	10.0	0.0	10.0	7.0	0.0	14.0
Volume/Cap:	0.12	0.71	0.04	0.70	0.43	0.43	0.01	0.00	0.03	0.30	0.00	0.08
Delay/Veh:	45.9	11.4	3.6	74.3	11.7	11.7	50.5	0.0	50.6	55.7	0.0	47.4
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:	45.9	11.4	3.6	74.3	11.7	11.7	50.5	0.0	50.6	55.7	0.0	47.4
LOS by Move:	D	B	A	E	B	B	D	A	D	E	A	D
HCM2kAvgQ:	1	21	1	3	9	9	0	0	0	1	0	1

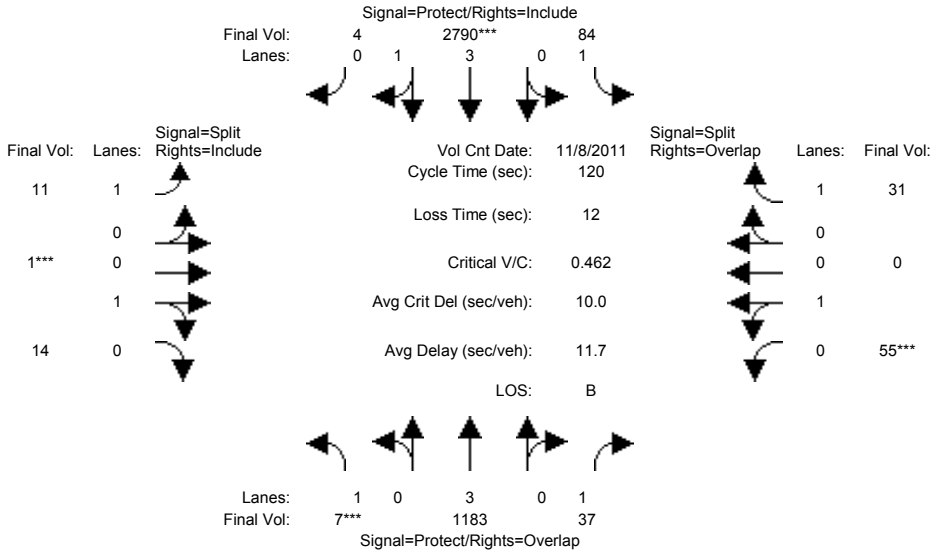
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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: 8 Nov 2011 <<												
Base Vol:	7	1183	37	84	2790	4	11	1	14	55	0	31
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:	7	1183	37	84	2790	4	11	1	14	55	0	31
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:	7	1183	37	84	2790	4	11	1	14	55	0	31
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:	7	1183	37	84	2790	4	11	1	14	55	0	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	1183	37	84	2790	4	11	1	14	55	0	31
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:	7	1183	37	84	2790	4	11	1	14	55	0	31
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	0.99	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.99	0.01	1.00	0.07	0.93	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7489	11	1750	120	1680	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.21	0.02	0.05	0.37	0.37	0.01	0.01	0.01	0.03	0.00	0.02
Crit Moves:	****				****			****		****		
Green Time:	7.0	71.0	78.0	20.0	84.0	84.0	10.0	10.0	10.0	7.0	0.0	27.0
Volume/Cap:	0.07	0.35	0.03	0.29	0.53	0.53	0.08	0.10	0.10	0.52	0.00	0.08
Delay/Veh:	53.7	12.7	7.5	44.3	8.7	8.7	51.0	51.1	51.1	59.6	0.0	36.8
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:	53.7	12.7	7.5	44.3	8.7	8.7	51.0	51.1	51.1	59.6	0.0	36.8
LOS by Move:	D	B	A	D	A	A	D	D	D	E	A	D
HCM2kAvgQ:	0	7	1	3	12	12	0	1	1	3	0	1

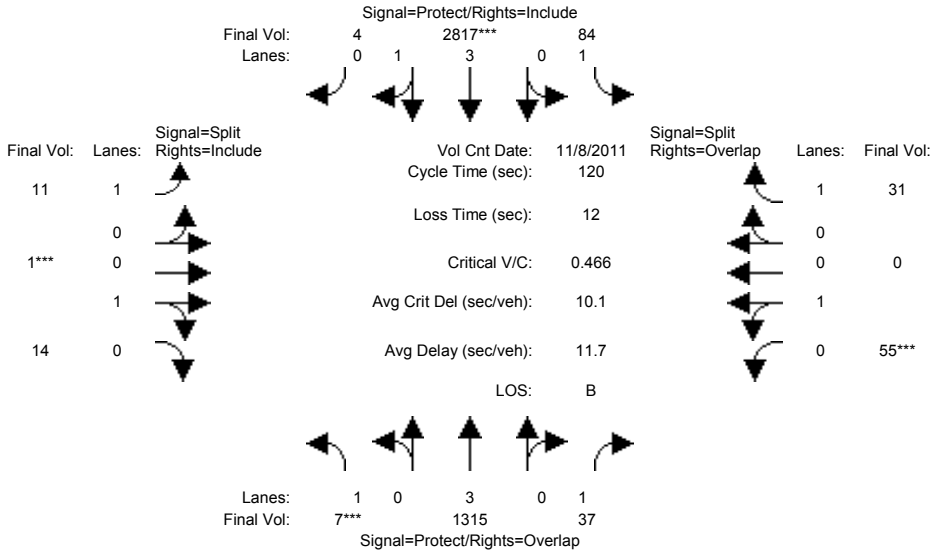
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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: 8 Nov 2011 <<												
Base Vol:	7	1183	37	84	2790	4	11	1	14	55	0	31
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:	7	1183	37	84	2790	4	11	1	14	55	0	31
Added Vol:	0	132	0	0	27	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	1315	37	84	2817	4	11	1	14	55	0	31
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:	7	1315	37	84	2817	4	11	1	14	55	0	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	1315	37	84	2817	4	11	1	14	55	0	31
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:	7	1315	37	84	2817	4	11	1	14	55	0	31
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	0.99	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.99	0.01	1.00	0.07	0.93	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7489	11	1750	120	1680	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.23	0.02	0.05	0.38	0.38	0.01	0.01	0.01	0.03	0.00	0.02
Crit Moves:	****				****			****		****		
Green Time:	7.0	72.6	79.6	18.4	84.0	84.0	10.0	10.0	10.0	7.0	0.0	25.4
Volume/Cap:	0.07	0.38	0.03	0.31	0.54	0.54	0.08	0.10	0.10	0.52	0.00	0.08
Delay/Veh:	53.7	12.2	6.9	45.9	8.8	8.8	51.0	51.1	51.1	59.6	0.0	38.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.7	12.2	6.9	45.9	8.8	8.8	51.0	51.1	51.1	59.6	0.0	38.1
LOS by Move:	D	B	A	D	A	A	D	D	D	E	A	D
HCM2kAvgQ:	0	8	0	3	12	12	0	1	1	3	0	1

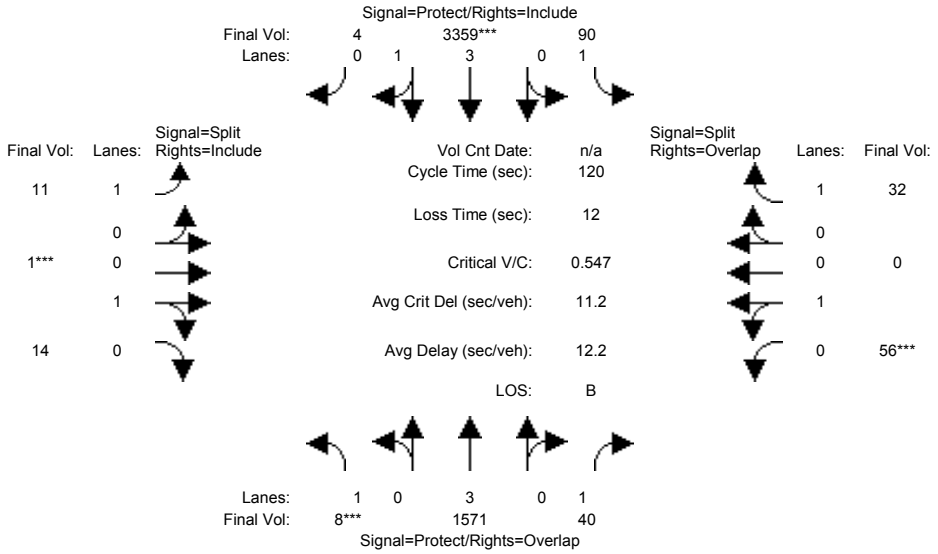
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	8	1571	40	90	3359	4	11	1	14	56	0	32
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:	8	1571	40	90	3359	4	11	1	14	56	0	32
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:	8	1571	40	90	3359	4	11	1	14	56	0	32
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:	8	1571	40	90	3359	4	11	1	14	56	0	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	1571	40	90	3359	4	11	1	14	56	0	32
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:	8	1571	40	90	3359	4	11	1	14	56	0	32
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	0.99	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.99	0.01	1.00	0.07	0.93	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7491	9	1750	120	1680	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.28	0.02	0.05	0.45	0.45	0.01	0.01	0.01	0.03	0.00	0.02
Crit Moves:	****				****			****		****		
Green Time:	7.0	75.1	82.1	15.9	84.0	84.0	10.0	10.0	10.0	7.0	0.0	22.9
Volume/Cap:	0.08	0.44	0.03	0.39	0.64	0.64	0.08	0.10	0.10	0.53	0.00	0.10
Delay/Veh:	53.8	11.7	6.1	48.7	10.1	10.1	51.0	51.1	51.1	60.1	0.0	40.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.8	11.7	6.1	48.7	10.1	10.1	51.0	51.1	51.1	60.1	0.0	40.1
LOS by Move:	D	B	A	D	B	B	D	D	D	E	A	D
HCM2kAvgQ:	0	10	1	3	16	16	0	1	1	3	0	1

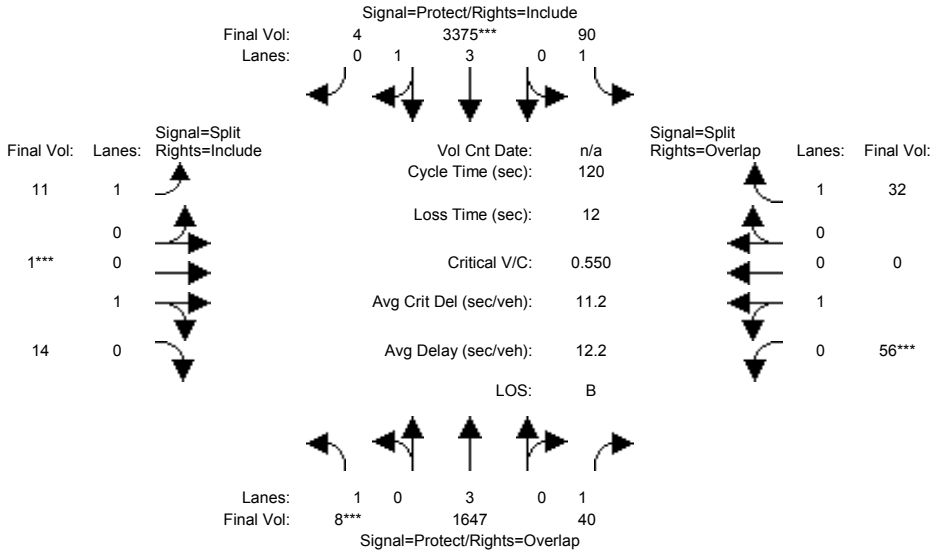
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	8	1571	40	90	3359	4	11	1	14	56	0	32
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:	8	1571	40	90	3359	4	11	1	14	56	0	32
Added Vol:	0	76	0	0	16	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	1647	40	90	3375	4	11	1	14	56	0	32
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:	8	1647	40	90	3375	4	11	1	14	56	0	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	1647	40	90	3375	4	11	1	14	56	0	32
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:	8	1647	40	90	3375	4	11	1	14	56	0	32
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	0.99	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.99	0.01	1.00	0.07	0.93	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7491	9	1750	120	1680	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.29	0.02	0.05	0.45	0.45	0.01	0.01	0.01	0.03	0.00	0.02
Crit Moves:	****				****			****		****		
Green Time:	7.0	75.7	82.7	15.3	84.0	84.0	10.0	10.0	10.0	7.0	0.0	22.3
Volume/Cap:	0.08	0.46	0.03	0.40	0.64	0.64	0.08	0.10	0.10	0.53	0.00	0.10
Delay/Veh:	53.8	11.6	5.9	49.4	10.1	10.1	51.0	51.1	51.1	60.1	0.0	40.7
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:	53.8	11.6	5.9	49.4	10.1	10.1	51.0	51.1	51.1	60.1	0.0	40.7
LOS by Move:	D	B	A	D	B	B	D	D	D	E	A	D
HCM2kAvgQ:	0	10	0	3	16	16	0	1	1	3	0	1

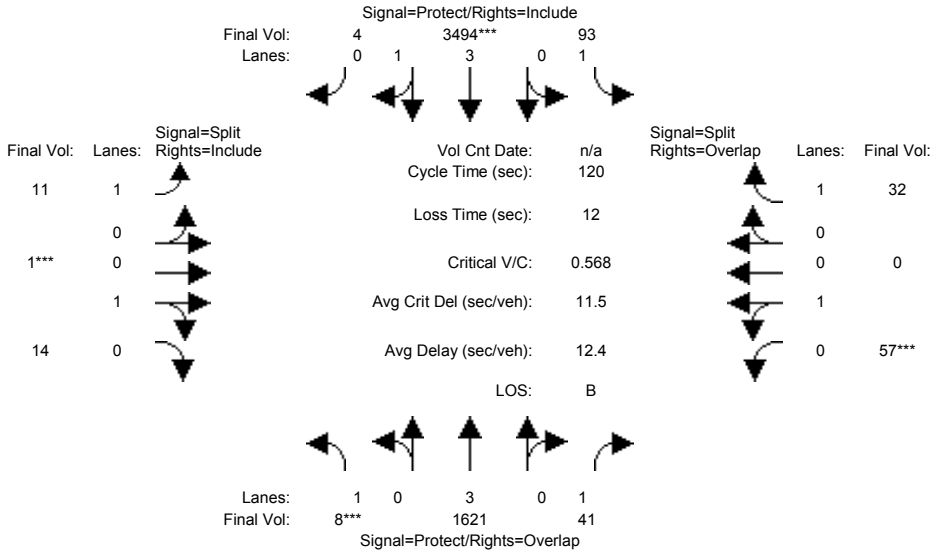
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	8	1621	41	93	3494	4	11	1	14	57	0	32
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:	8	1621	41	93	3494	4	11	1	14	57	0	32
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:	8	1621	41	93	3494	4	11	1	14	57	0	32
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:	8	1621	41	93	3494	4	11	1	14	57	0	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	1621	41	93	3494	4	11	1	14	57	0	32
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:	8	1621	41	93	3494	4	11	1	14	57	0	32
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	0.99	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.99	0.01	1.00	0.07	0.93	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7491	9	1750	120	1680	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.28	0.02	0.05	0.47	0.47	0.01	0.01	0.01	0.03	0.00	0.02
Crit Moves:	****				****			****		****		
Green Time:	7.0	75.5	82.5	15.5	84.0	84.0	10.0	10.0	10.0	7.0	0.0	22.5
Volume/Cap:	0.08	0.45	0.03	0.41	0.67	0.67	0.08	0.10	0.10	0.54	0.00	0.10
Delay/Veh:	53.8	11.6	6.0	49.3	10.5	10.5	51.0	51.1	51.1	60.7	0.0	40.5
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:	53.8	11.6	6.0	49.3	10.5	10.5	51.0	51.1	51.1	60.7	0.0	40.5
LOS by Move:	D	B	A	D	B	B	D	D	D	E	A	D
HCM2kAvgQ:	0	10	1	3	17	17	0	1	1	3	0	1

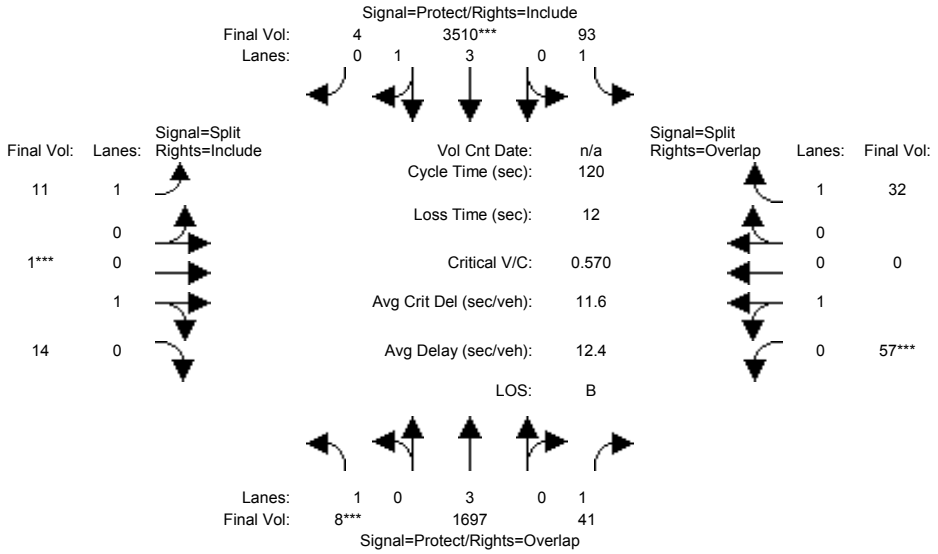
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #12: Mathilda Ave & San Aleso Ave



Street Name:	Mathilda Ave						San Aleso 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:												
Base Vol:	8	1621	41	93	3494	4	11	1	14	57	0	32
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:	8	1621	41	93	3494	4	11	1	14	57	0	32
Added Vol:	0	76	0	0	16	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	1697	41	93	3510	4	11	1	14	57	0	32
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:	8	1697	41	93	3510	4	11	1	14	57	0	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	1697	41	93	3510	4	11	1	14	57	0	32
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:	8	1697	41	93	3510	4	11	1	14	57	0	32
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	0.99	0.95	0.92	0.95	0.95	0.95	0.95	0.92
Lanes:	1.00	3.00	1.00	1.00	3.99	0.01	1.00	0.07	0.93	1.00	0.00	1.00
Final Sat.:	1750	5700	1750	1750	7491	9	1750	120	1680	1800	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.30	0.02	0.05	0.47	0.47	0.01	0.01	0.01	0.03	0.00	0.02
Crit Moves:	****				****			****		****		
Green Time:	7.0	76.1	83.1	14.9	84.0	84.0	10.0	10.0	10.0	7.0	0.0	21.9
Volume/Cap:	0.08	0.47	0.03	0.43	0.67	0.67	0.08	0.10	0.10	0.54	0.00	0.10
Delay/Veh:	53.8	11.5	5.8	50.0	10.5	10.5	51.0	51.1	51.1	60.7	0.0	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:	53.8	11.5	5.8	50.0	10.5	10.5	51.0	51.1	51.1	60.7	0.0	41.0
LOS by Move:	D	B	A	D	B	B	D	D	D	E	A	D
HCM2kAvgQ:	0	11	1	3	17	17	0	1	1	3	0	1

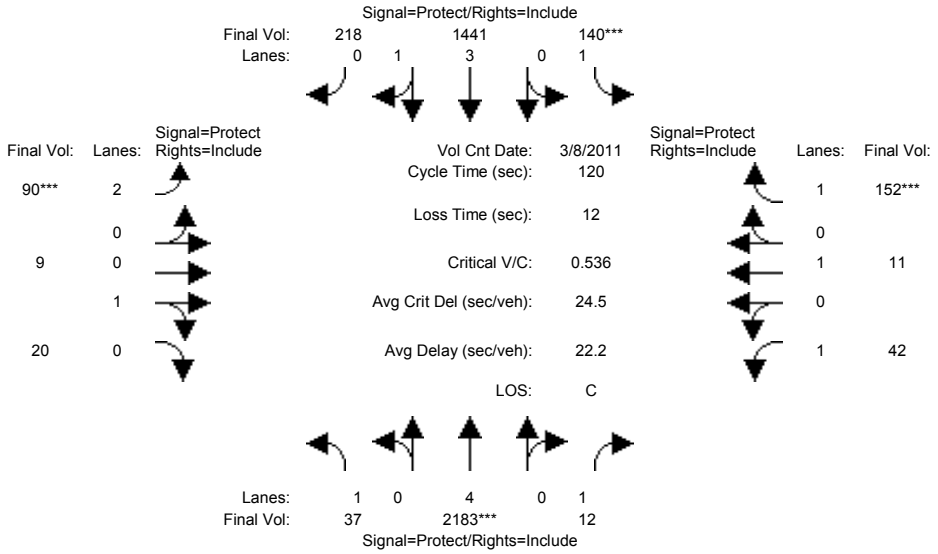
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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: 8 Mar 2011 <<												
Base Vol:	37	2183	12	140	1441	218	90	9	20	42	11	152
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:	37	2183	12	140	1441	218	90	9	20	42	11	152
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:	37	2183	12	140	1441	218	90	9	20	42	11	152
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:	37	2183	12	140	1441	218	90	9	20	42	11	152
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	2183	12	140	1441	218	90	9	20	42	11	152
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:	37	2183	12	140	1441	218	90	9	20	42	11	152
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.45	0.55	2.00	0.31	0.69	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	6513	985	3150	559	1241	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.29	0.01	0.08	0.22	0.22	0.03	0.02	0.02	0.02	0.01	0.09
Crit Moves:		****		****			****					****
Green Time:	17.0	63.9	63.9	17.8	64.6	64.6	7.0	15.5	15.5	10.8	19.3	19.3
Volume/Cap:	0.15	0.54	0.01	0.54	0.41	0.41	0.49	0.12	0.12	0.27	0.04	0.54
Delay/Veh:	46.4	18.9	13.2	55.1	16.7	16.7	63.8	47.4	47.4	54.9	42.7	53.5
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:	46.4	18.9	13.2	55.1	16.7	16.7	63.8	47.4	47.4	54.9	42.7	53.5
LOS by Move:	D	B	B	E	B	B	E	D	D	D	D	D
HCM2kAvgQ:	1	13	0	6	9	9	3	1	1	2	0	6

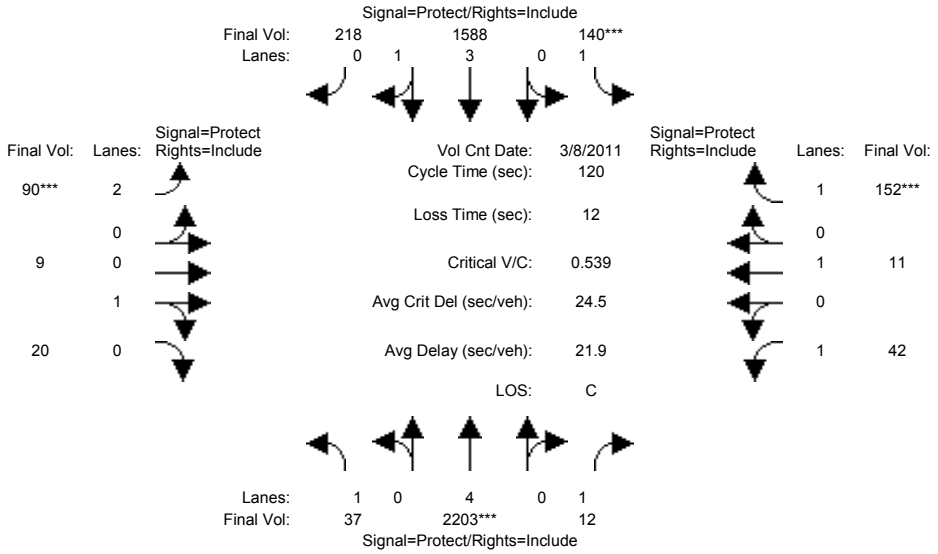
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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: 8 Mar 2011 <<												
Base Vol:	37	2183	12	140	1441	218	90	9	20	42	11	152
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:	37	2183	12	140	1441	218	90	9	20	42	11	152
Added Vol:	0	20	0	0	147	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	37	2203	12	140	1588	218	90	9	20	42	11	152
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:	37	2203	12	140	1588	218	90	9	20	42	11	152
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	2203	12	140	1588	218	90	9	20	42	11	152
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:	37	2203	12	140	1588	218	90	9	20	42	11	152
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.50	0.50	2.00	0.31	0.69	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	6593	905	3150	559	1241	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.29	0.01	0.08	0.24	0.24	0.03	0.02	0.02	0.02	0.01	0.09
Crit Moves:		****		****			****					****
Green Time:	15.9	64.1	64.1	17.7	65.8	65.8	7.0	15.4	15.4	10.8	19.2	19.2
Volume/Cap:	0.16	0.54	0.01	0.54	0.44	0.44	0.49	0.13	0.13	0.27	0.04	0.54
Delay/Veh:	47.5	18.9	13.1	55.4	16.4	16.4	63.8	47.4	47.4	55.0	42.8	53.7
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:	47.5	18.9	13.1	55.4	16.4	16.4	63.8	47.4	47.4	55.0	42.8	53.7
LOS by Move:	D	B	B	E	B	B	E	D	D	E	D	D
HCM2kAvgQ:	1	13	0	6	10	10	3	1	1	2	0	6

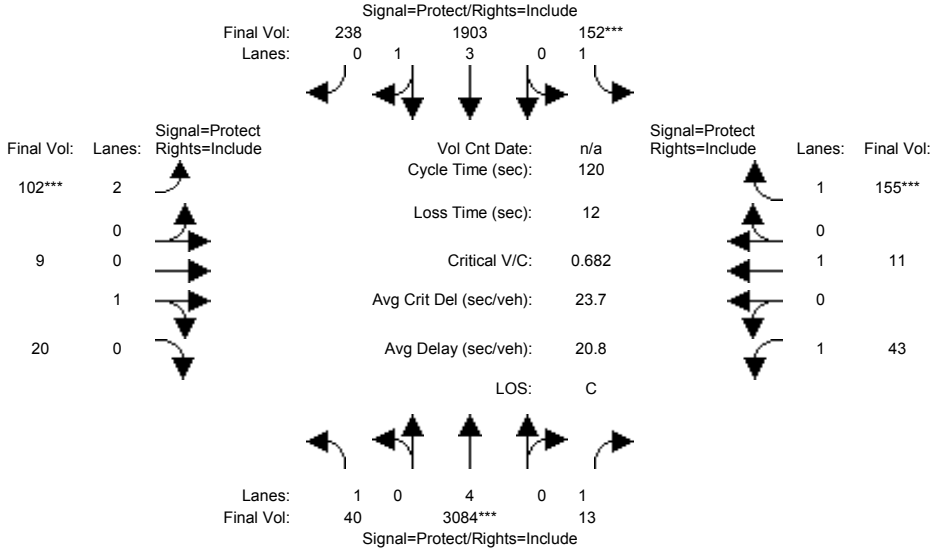
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	40	3084	13	152	1903	238	102	9	20	43	11	155
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:	40	3084	13	152	1903	238	102	9	20	43	11	155
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:	40	3084	13	152	1903	238	102	9	20	43	11	155
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:	40	3084	13	152	1903	238	102	9	20	43	11	155
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	3084	13	152	1903	238	102	9	20	43	11	155
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:	40	3084	13	152	1903	238	102	9	20	43	11	155
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.54	0.46	2.00	0.31	0.69	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	6665	834	3150	559	1241	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.41	0.01	0.09	0.29	0.29	0.03	0.02	0.02	0.02	0.01	0.09
Crit Moves:		****		****			****					****
Green Time:	14.5	70.5	70.5	15.1	71.1	71.1	7.0	13.2	13.2	9.2	15.4	15.4
Volume/Cap:	0.19	0.69	0.01	0.69	0.48	0.48	0.56	0.15	0.15	0.32	0.05	0.69
Delay/Veh:	49.4	18.1	10.3	66.6	14.3	14.3	66.5	49.9	49.9	58.6	46.2	66.1
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:	49.4	18.1	10.3	66.6	14.3	14.3	66.5	49.9	49.9	58.6	46.2	66.1
LOS by Move:	D	B	B	E	B	B	E	D	D	E	D	E
HCM2kAvgQ:	1	20	0	7	11	11	3	1	1	2	0	7

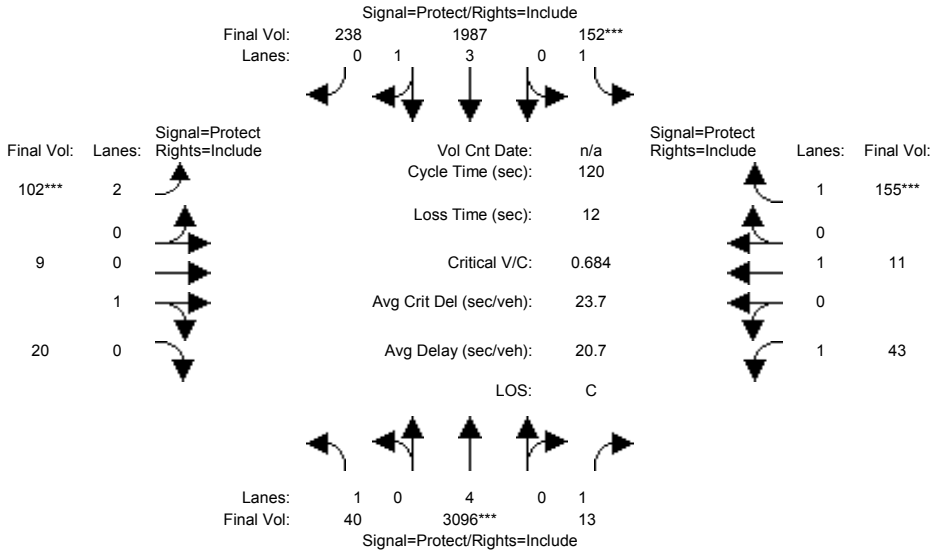
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	40	3084	13	152	1903	238	102	9	20	43	11	155
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:	40	3084	13	152	1903	238	102	9	20	43	11	155
Added Vol:	0	12	0	0	84	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	3096	13	152	1987	238	102	9	20	43	11	155
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:	40	3096	13	152	1987	238	102	9	20	43	11	155
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	3096	13	152	1987	238	102	9	20	43	11	155
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:	40	3096	13	152	1987	238	102	9	20	43	11	155
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.55	0.45	2.00	0.31	0.69	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	6696	802	3150	559	1241	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.41	0.01	0.09	0.30	0.30	0.03	0.02	0.02	0.02	0.01	0.09
Crit Moves:		****		****			****					****
Green Time:	14.1	70.6	70.6	15.1	71.6	71.6	7.0	13.1	13.1	9.2	15.3	15.3
Volume/Cap:	0.19	0.69	0.01	0.69	0.50	0.50	0.56	0.15	0.15	0.32	0.05	0.69
Delay/Veh:	50.0	18.1	10.3	66.8	14.3	14.3	66.5	49.9	49.9	58.6	46.2	66.3
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:	50.0	18.1	10.3	66.8	14.3	14.3	66.5	49.9	49.9	58.6	46.2	66.3
LOS by Move:	D	B	B	E	B	B	E	D	D	E	D	E
HCM2kAvgQ:	1	20	0	7	12	12	3	1	1	2	0	7

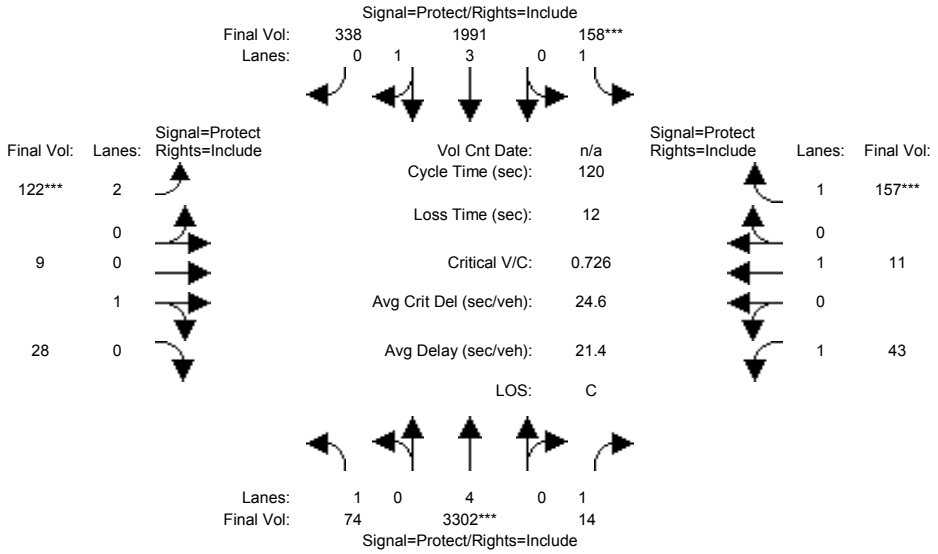
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	74	3302	14	158	1991	338	122	9	28	43	11	157
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:	74	3302	14	158	1991	338	122	9	28	43	11	157
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:	74	3302	14	158	1991	338	122	9	28	43	11	157
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:	74	3302	14	158	1991	338	122	9	28	43	11	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	3302	14	158	1991	338	122	9	28	43	11	157
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:	74	3302	14	158	1991	338	122	9	28	43	11	157
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.40	0.60	2.00	0.24	0.76	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	6410	1088	3150	438	1362	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.43	0.01	0.09	0.31	0.31	0.04	0.02	0.02	0.02	0.01	0.09
Crit Moves:		****		****			****					****
Green Time:	13.6	71.4	71.4	14.8	72.6	72.6	7.0	12.8	12.8	9.0	14.7	14.7
Volume/Cap:	0.37	0.73	0.01	0.73	0.51	0.51	0.66	0.19	0.19	0.33	0.05	0.73
Delay/Veh:	54.5	18.5	9.9	70.0	14.0	14.0	72.7	51.1	51.1	59.3	46.8	70.2
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:	54.5	18.5	9.9	70.0	14.0	14.0	72.7	51.1	51.1	59.3	46.8	70.2
LOS by Move:	D	B	A	E	B	B	E	D	D	E	D	E
HCM2kAvgQ:	3	22	0	8	12	12	4	1	1	2	0	8

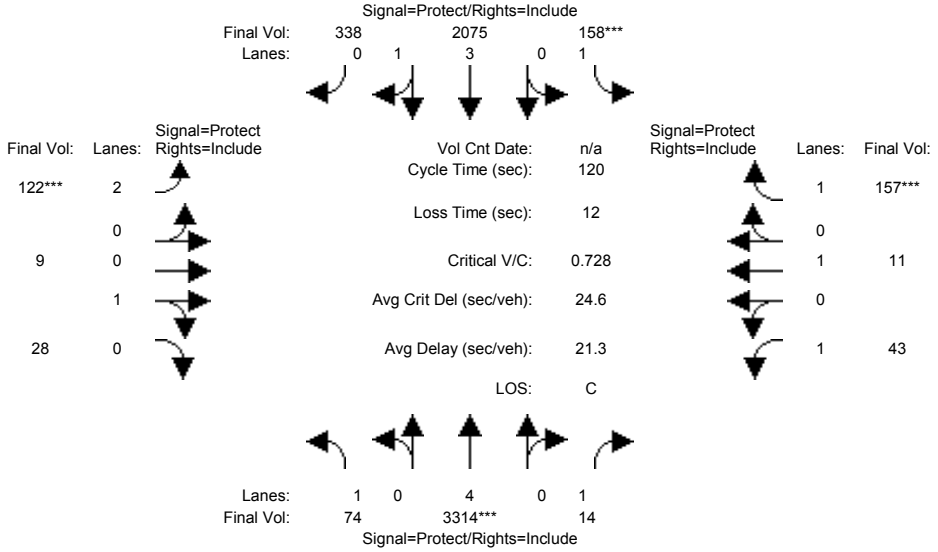
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	74	3302	14	158	1991	338	122	9	28	43	11	157
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:	74	3302	14	158	1991	338	122	9	28	43	11	157
Added Vol:	0	12	0	0	84	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	74	3314	14	158	2075	338	122	9	28	43	11	157
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:	74	3314	14	158	2075	338	122	9	28	43	11	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	3314	14	158	2075	338	122	9	28	43	11	157
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:	74	3314	14	158	2075	338	122	9	28	43	11	157
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.42	0.58	2.00	0.24	0.76	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	6448	1050	3150	438	1362	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.44	0.01	0.09	0.32	0.32	0.04	0.02	0.02	0.02	0.01	0.09
Crit Moves:		****		****			****					****
Green Time:	13.2	71.5	71.5	14.8	73.1	73.1	7.0	12.8	12.8	8.9	14.7	14.7
Volume/Cap:	0.38	0.73	0.01	0.73	0.53	0.53	0.66	0.19	0.19	0.33	0.05	0.73
Delay/Veh:	55.3	18.5	9.9	70.3	14.0	14.0	72.7	51.2	51.2	59.3	46.8	70.4
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:	55.3	18.5	9.9	70.3	14.0	14.0	72.7	51.2	51.2	59.3	46.8	70.4
LOS by Move:	E	B	A	E	B	B	E	D	D	E	D	E
HCM2kAvgQ:	3	22	0	8	13	13	4	1	1	2	0	8

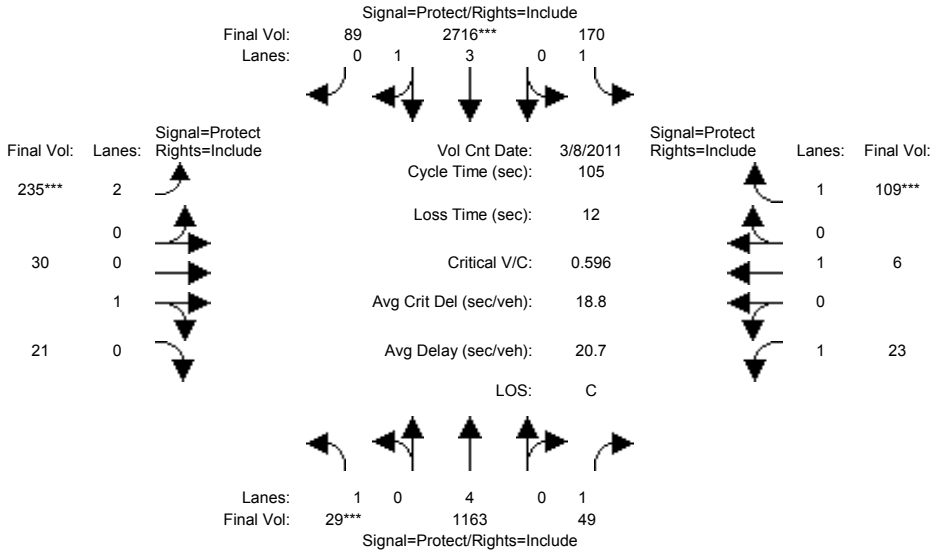
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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: 8 Mar 2011 <<												
Base Vol:	29	1163	49	170	2716	89	235	30	21	23	6	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:	29	1163	49	170	2716	89	235	30	21	23	6	109
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:	29	1163	49	170	2716	89	235	30	21	23	6	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:	29	1163	49	170	2716	89	235	30	21	23	6	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	1163	49	170	2716	89	235	30	21	23	6	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:	29	1163	49	170	2716	89	235	30	21	23	6	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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.87	0.13	2.00	0.59	0.41	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	7262	238	3150	1059	741	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.15	0.03	0.10	0.37	0.37	0.07	0.03	0.03	0.01	0.00	0.06
Crit Moves:	****				****		****					****
Green Time:	7.0	42.8	42.8	27.2	63.0	63.0	12.6	13.6	13.6	9.5	10.5	10.5
Volume/Cap:	0.25	0.38	0.07	0.38	0.62	0.62	0.62	0.22	0.22	0.15	0.03	0.62
Delay/Veh:	51.5	22.1	19.1	34.3	14.1	14.1	51.6	43.1	43.1	45.9	43.0	61.0
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:	51.5	22.1	19.1	34.3	14.1	14.1	51.6	43.1	43.1	45.9	43.0	61.0
LOS by Move:	D	C	B	C	B	B	D	D	D	D	D	E
HCM2kAvgQ:	1	7	1	5	15	15	5	2	2	1	0	5

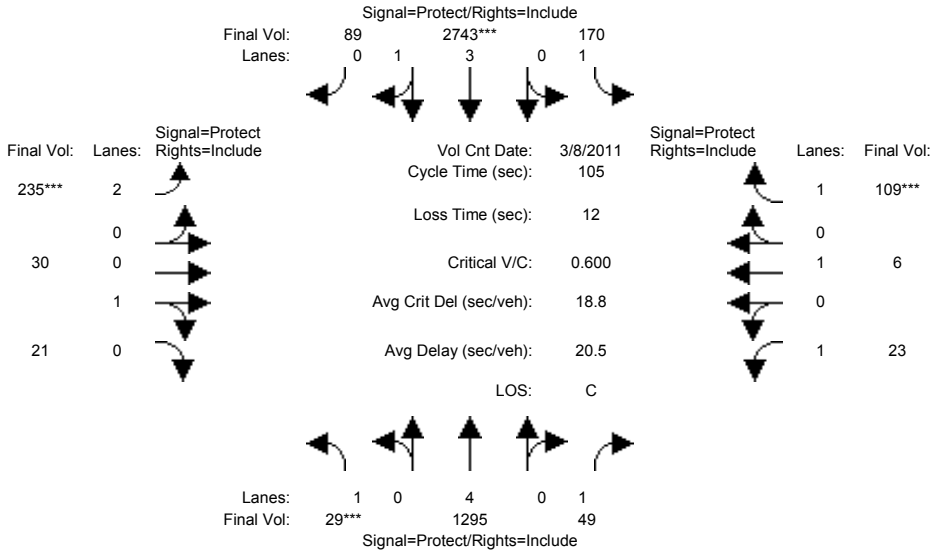
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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: 8 Mar 2011 <<												
Base Vol:	29	1163	49	170	2716	89	235	30	21	23	6	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:	29	1163	49	170	2716	89	235	30	21	23	6	109
Added Vol:	0	132	0	0	27	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	29	1295	49	170	2743	89	235	30	21	23	6	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:	29	1295	49	170	2743	89	235	30	21	23	6	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	1295	49	170	2743	89	235	30	21	23	6	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:	29	1295	49	170	2743	89	235	30	21	23	6	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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.87	0.13	2.00	0.59	0.41	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	7264	236	3150	1059	741	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.17	0.03	0.10	0.38	0.38	0.07	0.03	0.03	0.01	0.00	0.06
Crit Moves:	****				****		****					****
Green Time:	7.0	44.7	44.7	25.5	63.1	63.1	12.5	13.5	13.5	9.4	10.4	10.4
Volume/Cap:	0.25	0.40	0.07	0.40	0.63	0.63	0.63	0.22	0.22	0.15	0.03	0.63
Delay/Veh:	51.5	21.3	18.0	36.2	14.1	14.1	51.8	43.3	43.3	46.0	43.1	61.4
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:	51.5	21.3	18.0	36.2	14.1	14.1	51.8	43.3	43.3	46.0	43.1	61.4
LOS by Move:	D	C	B	D	B	B	D	D	D	D	D	E
HCM2kAvgQ:	1	7	1	5	15	15	5	2	2	1	0	5

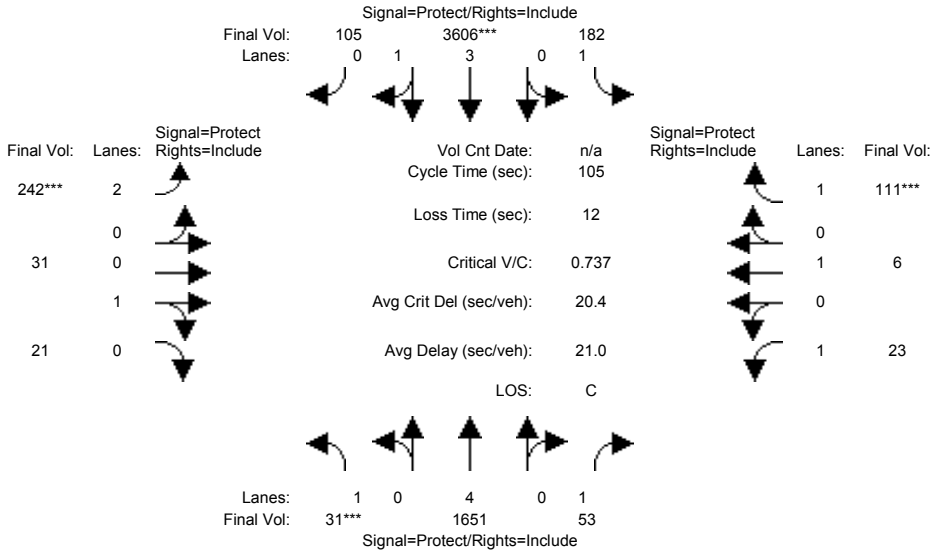
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	31	1651	53	182	3606	105	242	31	21	23	6	111
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:	31	1651	53	182	3606	105	242	31	21	23	6	111
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:	31	1651	53	182	3606	105	242	31	21	23	6	111
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:	31	1651	53	182	3606	105	242	31	21	23	6	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	1651	53	182	3606	105	242	31	21	23	6	111
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:	31	1651	53	182	3606	105	242	31	21	23	6	111
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.88	0.12	2.00	0.60	0.40	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	7287	212	3150	1073	727	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.22	0.03	0.10	0.49	0.49	0.08	0.03	0.03	0.01	0.00	0.06
Crit Moves:	****				****		****					****
Green Time:	7.0	49.2	49.2	23.6	65.8	65.8	10.2	11.9	11.9	8.3	10.0	10.0
Volume/Cap:	0.27	0.46	0.06	0.46	0.79	0.79	0.79	0.26	0.26	0.17	0.03	0.67
Delay/Veh:	52.0	19.4	15.4	39.1	15.9	15.9	64.8	45.5	45.5	47.7	43.5	65.0
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:	52.0	19.4	15.4	39.1	15.9	15.9	64.8	45.5	45.5	47.7	43.5	65.0
LOS by Move:	D	B	B	D	B	B	E	D	D	D	D	E
HCM2kAvgQ:	1	9	1	6	24	24	7	2	2	1	0	5

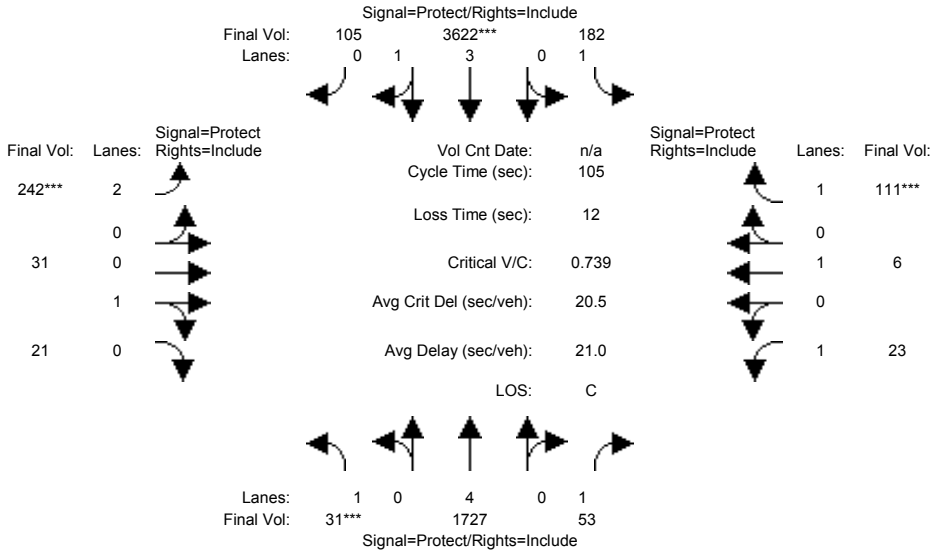
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	31	1651	53	182	3606	105	242	31	21	23	6	111
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:	31	1651	53	182	3606	105	242	31	21	23	6	111
Added Vol:	0	76	0	0	16	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	31	1727	53	182	3622	105	242	31	21	23	6	111
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:	31	1727	53	182	3622	105	242	31	21	23	6	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	1727	53	182	3622	105	242	31	21	23	6	111
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:	31	1727	53	182	3622	105	242	31	21	23	6	111
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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.88	0.12	2.00	0.60	0.40	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	7288	211	3150	1073	727	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.23	0.03	0.10	0.50	0.50	0.08	0.03	0.03	0.01	0.00	0.06
Crit Moves:	****				****		****					****
Green Time:	7.0	50.0	50.0	22.9	65.8	65.8	10.2	11.9	11.9	8.3	10.0	10.0
Volume/Cap:	0.27	0.48	0.06	0.48	0.79	0.79	0.79	0.26	0.26	0.17	0.03	0.67
Delay/Veh:	52.0	19.1	15.0	40.1	16.0	16.0	65.2	45.5	45.5	47.7	43.5	65.0
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:	52.0	19.1	15.0	40.1	16.0	16.0	65.2	45.5	45.5	47.7	43.5	65.0
LOS by Move:	D	B	B	D	B	B	E	D	D	D	D	E
HCM2kAvgQ:	1	9	1	6	24	24	7	2	2	1	0	5

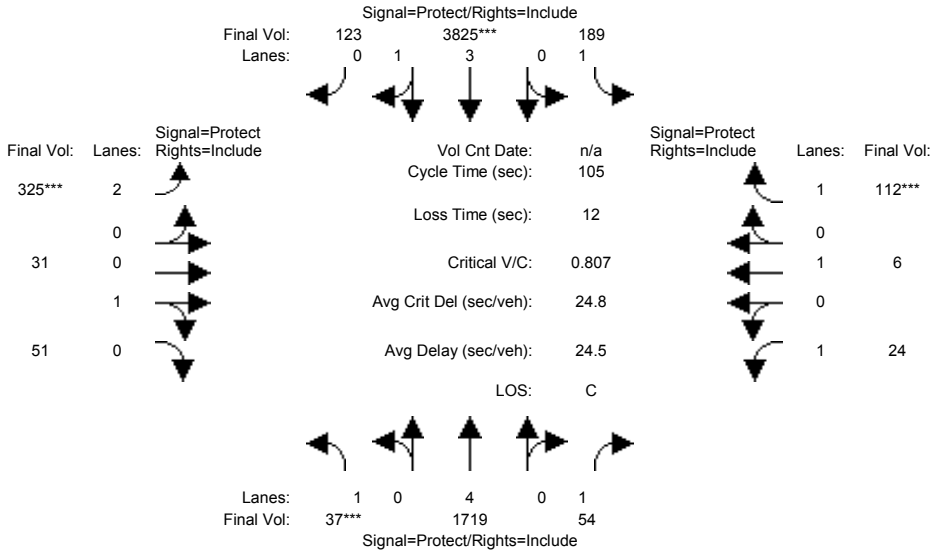
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	37	1719	54	189	3825	123	325	31	51	24	6	112
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:	37	1719	54	189	3825	123	325	31	51	24	6	112
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:	37	1719	54	189	3825	123	325	31	51	24	6	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:	37	1719	54	189	3825	123	325	31	51	24	6	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	1719	54	189	3825	123	325	31	51	24	6	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:	37	1719	54	189	3825	123	325	31	51	24	6	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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.87	0.13	2.00	0.38	0.62	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	7266	234	3150	680	1120	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.23	0.03	0.11	0.53	0.53	0.10	0.05	0.05	0.01	0.00	0.06
Crit Moves:	****				****		****					****
Green Time:	7.0	47.7	47.7	22.8	63.5	63.5	12.5	13.2	13.2	9.2	10.0	10.0
Volume/Cap:	0.32	0.50	0.07	0.50	0.87	0.87	0.87	0.36	0.36	0.16	0.03	0.67
Delay/Veh:	53.7	20.7	16.3	40.7	19.8	19.8	68.6	46.5	46.5	46.4	43.5	65.5
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:	53.7	20.7	16.3	40.7	19.8	19.8	68.6	46.5	46.5	46.4	43.5	65.5
LOS by Move:	D	C	B	D	B	B	E	D	D	D	D	E
HCM2kAvgQ:	1	10	1	6	30	30	9	3	3	1	0	5

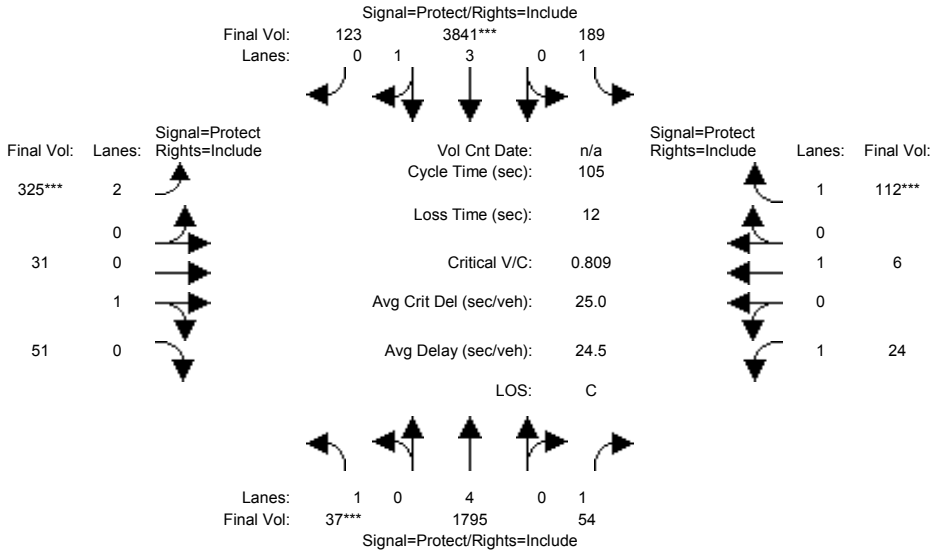
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #13: Mathilda Ave & Almanor Ave



Street Name:	Mathilda Ave						Almanor 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:												
Base Vol:	37	1719	54	189	3825	123	325	31	51	24	6	112
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:	37	1719	54	189	3825	123	325	31	51	24	6	112
Added Vol:	0	76	0	0	16	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	37	1795	54	189	3841	123	325	31	51	24	6	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:	37	1795	54	189	3841	123	325	31	51	24	6	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	1795	54	189	3841	123	325	31	51	24	6	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:	37	1795	54	189	3841	123	325	31	51	24	6	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	0.99	0.95	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	3.87	0.13	2.00	0.38	0.62	1.00	1.00	1.00
Final Sat.:	1750	7600	1750	1750	7267	233	3150	680	1120	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.24	0.03	0.11	0.53	0.53	0.10	0.05	0.05	0.01	0.00	0.06
Crit Moves:	****				****		****					****
Green Time:	7.0	48.4	48.4	22.1	63.6	63.6	12.4	13.2	13.2	9.2	10.0	10.0
Volume/Cap:	0.32	0.51	0.07	0.51	0.87	0.87	0.87	0.36	0.36	0.16	0.03	0.67
Delay/Veh:	53.7	20.5	15.9	41.6	19.9	19.9	69.0	46.5	46.5	46.4	43.5	65.5
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:	53.7	20.5	15.9	41.6	19.9	19.9	69.0	46.5	46.5	46.4	43.5	65.5
LOS by Move:	D	C	B	D	B	B	E	D	D	D	D	E
HCM2kAvgQ:	1	10	1	6	30	30	9	3	3	1	0	5

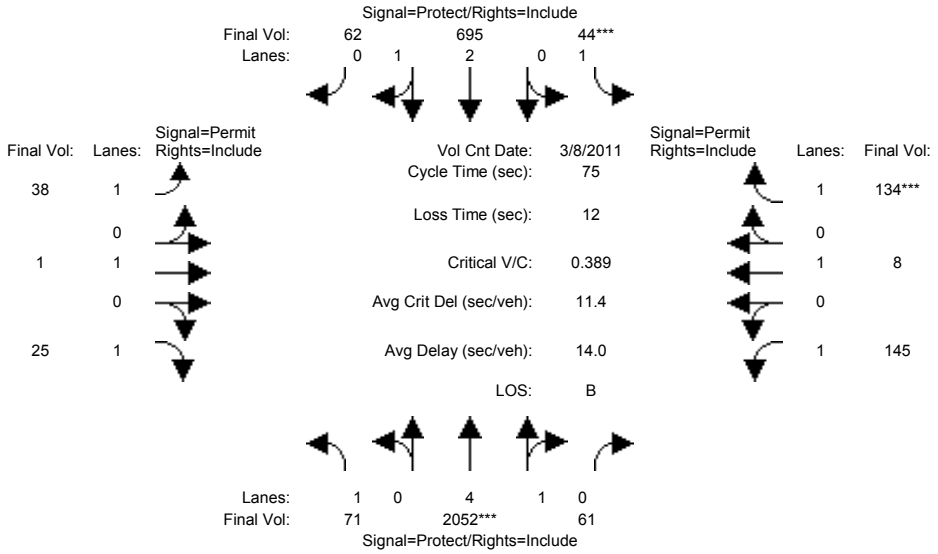
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr

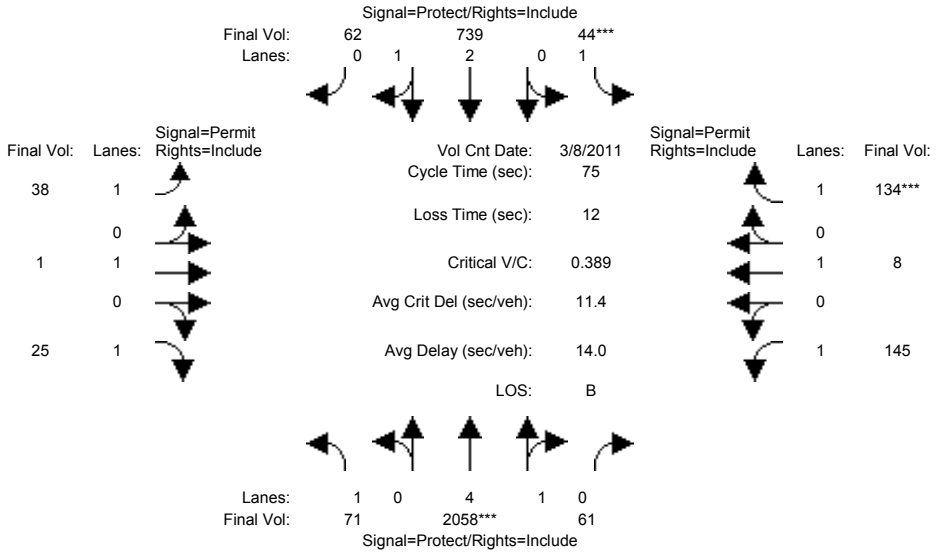



```
Street Name:            Mathilda Ave                        Ross Dr
Approach:       North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Min. Green:     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: 8 Mar 2011 <<
Base Vol:      71 2052    61    44  695    62    38    1    25   145    8   134
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:   71 2052    61    44  695    62    38    1    25   145    8   134
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:   71 2052    61    44  695    62    38    1    25   145    8   134
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:    71 2052    61    44  695    62    38    1    25   145    8   134
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:   71 2052    61    44  695    62    38    1    25   145    8   134
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:   71 2052    61    44  695    62    38    1    25   145    8   134
------------|---------------||---------------||---------------||---------------|
Saturation Flow Module:
Sat/Lane:    1900 1900  1900  1900 1900  1900  1900 1900  1900  1900 1900  1900
Adjustment:  0.92 0.99  0.95  0.92 0.99  0.95  0.92 1.00  0.92  0.92 1.00  0.92
Lanes:       1.00 4.85  0.15  1.00 2.75  0.25  1.00 1.00  1.00  1.00 1.00  1.00
Final Sat.:  1750 9128   271  1750 5141   459  1750 1900  1750  1750 1900  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.04 0.22  0.22  0.03 0.14  0.14  0.02 0.00  0.01  0.08 0.00  0.08
Crit Moves:       ****        ****                                        ****
Green Time:  19.9 41.8  41.8   7.0 28.9  28.9  14.2 14.2  14.2  14.2 14.2  14.2
Volume/Cap:  0.15 0.40  0.40  0.27 0.35  0.35  0.11 0.00  0.08  0.44 0.02  0.40
Delay/Veh:   21.8  9.7   9.7  35.6 16.9  16.9  25.9 24.6  25.4  31.0 24.8  30.3
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:  21.8  9.7   9.7  35.6 16.9  16.9  25.9 24.6  25.4  31.0 24.8  30.3
LOS by Move:    C    A     A     D    B     B     C    C     C     C    C     C
HCM2kAvgQ:      1    6     6     1    4     4     1    0     1     4    0     3
Note: Queue reported is the number of cars per lane.
```

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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: 8 Mar 2011 <<												
Base Vol:	71	2052	61	44	695	62	38	1	25	145	8	134
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:	71	2052	61	44	695	62	38	1	25	145	8	134
Added Vol:	0	6	0	0	44	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	71	2058	61	44	739	62	38	1	25	145	8	134
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:	71	2058	61	44	739	62	38	1	25	145	8	134
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	71	2058	61	44	739	62	38	1	25	145	8	134
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:	71	2058	61	44	739	62	38	1	25	145	8	134
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.99	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.85	0.15	1.00	2.76	0.24	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	9129	271	1750	5166	433	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.23	0.23	0.03	0.14	0.14	0.02	0.00	0.01	0.08	0.00	0.08
Crit Moves:		****		****								****
Green Time:	19.3	41.8	41.8	7.0	29.5	29.5	14.2	14.2	14.2	14.2	14.2	14.2
Volume/Cap:	0.16	0.40	0.40	0.27	0.36	0.36	0.11	0.00	0.08	0.44	0.02	0.40
Delay/Veh:	22.3	9.7	9.7	35.6	16.5	16.5	25.9	24.7	25.4	31.0	24.9	30.3
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:	22.3	9.7	9.7	35.6	16.5	16.5	25.9	24.7	25.4	31.0	24.9	30.3
LOS by Move:	C	A	A	D	B	B	C	C	C	C	C	C
HCM2kAvgQ:	1	6	6	1	4	4	1	0	1	4	0	3

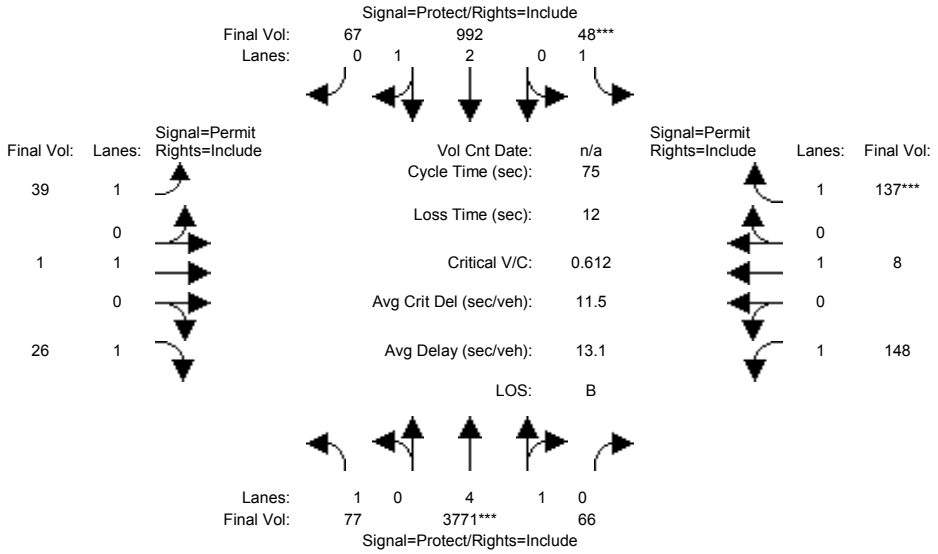
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	77	3771	66	48	992	67	39	1	26	148	8	137
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:	77	3771	66	48	992	67	39	1	26	148	8	137
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:	77	3771	66	48	992	67	39	1	26	148	8	137
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:	77	3771	66	48	992	67	39	1	26	148	8	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	3771	66	48	992	67	39	1	26	148	8	137
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:	77	3771	66	48	992	67	39	1	26	148	8	137
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.91	0.09	1.00	2.80	0.20	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	9238	162	1750	5245	354	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.41	0.41	0.03	0.19	0.19	0.02	0.00	0.01	0.08	0.00	0.08
Crit Moves:		****		****								****
Green Time:	17.5	46.0	46.0	7.0	35.5	35.5	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.19	0.67	0.67	0.29	0.40	0.40	0.17	0.00	0.11	0.63	0.03	0.59
Delay/Veh:	24.1	10.1	10.1	36.2	13.3	13.3	30.4	28.2	29.6	43.2	28.5	40.9
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:	24.1	10.1	10.1	36.2	13.3	13.3	30.4	28.2	29.6	43.2	28.5	40.9
LOS by Move:	C	B	B	D	B	B	C	C	C	D	C	D
HCM2kAvgQ:	2	12	12	1	5	5	1	0	1	5	0	4

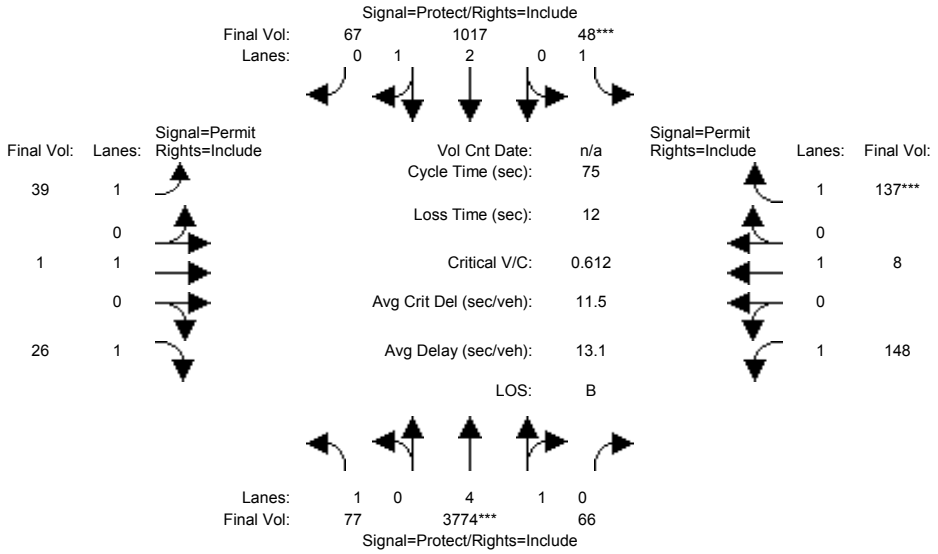
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	77	3771	66	48	992	67	39	1	26	148	8	137
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:	77	3771	66	48	992	67	39	1	26	148	8	137
Added Vol:	0	3	0	0	25	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	77	3774	66	48	1017	67	39	1	26	148	8	137
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:	77	3774	66	48	1017	67	39	1	26	148	8	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	3774	66	48	1017	67	39	1	26	148	8	137
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:	77	3774	66	48	1017	67	39	1	26	148	8	137
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.91	0.09	1.00	2.81	0.19	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	9238	162	1750	5253	346	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.41	0.41	0.03	0.19	0.19	0.02	0.00	0.01	0.08	0.00	0.08
Crit Moves:		****		****								****
Green Time:	17.2	46.0	46.0	7.0	35.8	35.8	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.19	0.67	0.67	0.29	0.41	0.41	0.17	0.00	0.11	0.63	0.03	0.59
Delay/Veh:	24.3	10.1	10.1	36.2	13.2	13.2	30.4	28.2	29.6	43.2	28.5	40.9
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:	24.3	10.1	10.1	36.2	13.2	13.2	30.4	28.2	29.6	43.2	28.5	40.9
LOS by Move:	C	B	B	D	B	B	C	C	C	D	C	D
HCM2kAvgQ:	2	12	12	1	6	6	1	0	1	5	0	4

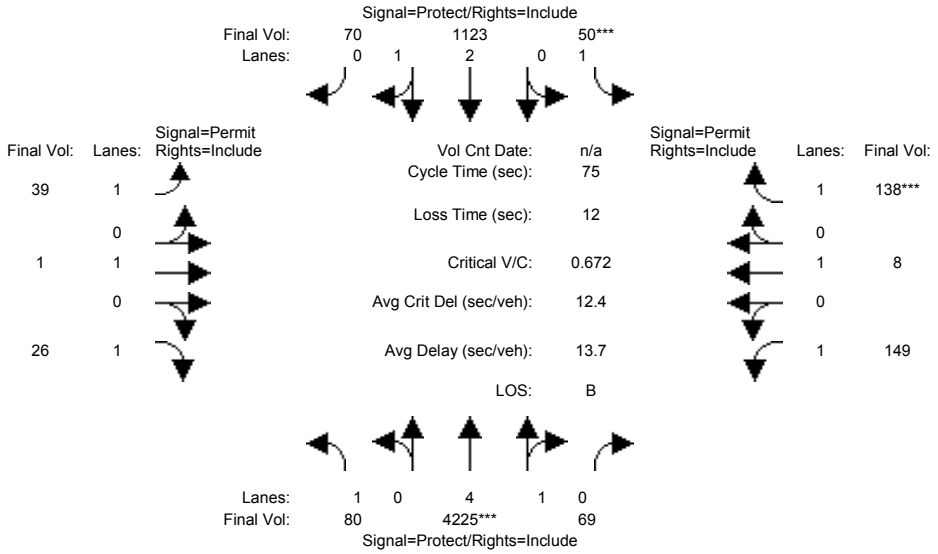
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	80	4225	69	50	1123	70	39	1	26	149	8	138
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:	80	4225	69	50	1123	70	39	1	26	149	8	138
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:	80	4225	69	50	1123	70	39	1	26	149	8	138
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:	80	4225	69	50	1123	70	39	1	26	149	8	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	4225	69	50	1123	70	39	1	26	149	8	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:	80	4225	69	50	1123	70	39	1	26	149	8	138
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.92	0.08	1.00	2.82	0.18	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	9249	151	1750	5271	329	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.46	0.46	0.03	0.21	0.21	0.02	0.00	0.01	0.09	0.00	0.08
Crit Moves:		****		****								****
Green Time:	16.1	46.0	46.0	7.0	36.9	36.9	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.21	0.74	0.74	0.31	0.43	0.43	0.17	0.00	0.11	0.64	0.03	0.59
Delay/Veh:	25.5	11.2	11.2	36.5	12.8	12.8	30.4	28.2	29.6	43.4	28.5	41.1
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:	25.5	11.2	11.2	36.5	12.8	12.8	30.4	28.2	29.6	43.4	28.5	41.1
LOS by Move:	C	B	B	D	B	B	C	C	C	D	C	D
HCM2kAvgQ:	2	16	16	1	6	6	1	0	1	5	0	4

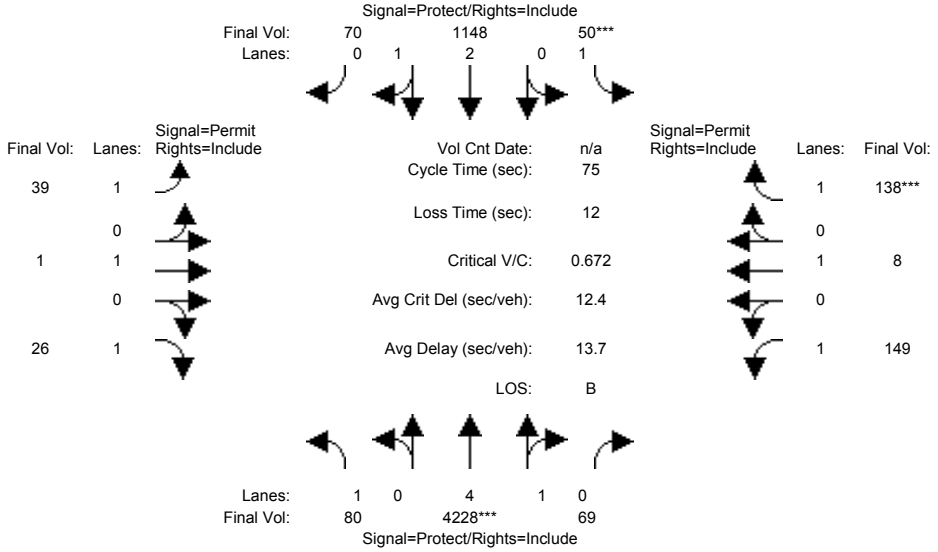
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	80	4225	69	50	1123	70	39	1	26	149	8	138
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:	80	4225	69	50	1123	70	39	1	26	149	8	138
Added Vol:	0	3	0	0	25	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	4228	69	50	1148	70	39	1	26	149	8	138
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:	80	4228	69	50	1148	70	39	1	26	149	8	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	4228	69	50	1148	70	39	1	26	149	8	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:	80	4228	69	50	1148	70	39	1	26	149	8	138
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.92	0.08	1.00	2.82	0.18	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	9249	151	1750	5278	322	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.46	0.46	0.03	0.22	0.22	0.02	0.00	0.01	0.09	0.00	0.08
Crit Moves:		****		****								****
Green Time:	15.9	46.0	46.0	7.0	37.1	37.1	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.22	0.75	0.75	0.31	0.44	0.44	0.17	0.00	0.11	0.64	0.03	0.59
Delay/Veh:	25.7	11.2	11.2	36.5	12.8	12.8	30.4	28.2	29.6	43.4	28.5	41.1
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:	25.7	11.2	11.2	36.5	12.8	12.8	30.4	28.2	29.6	43.4	28.5	41.1
LOS by Move:	C	B	B	D	B	B	C	C	C	D	C	D
HCM2kAvgQ:	2	16	16	1	6	6	1	0	1	5	0	4

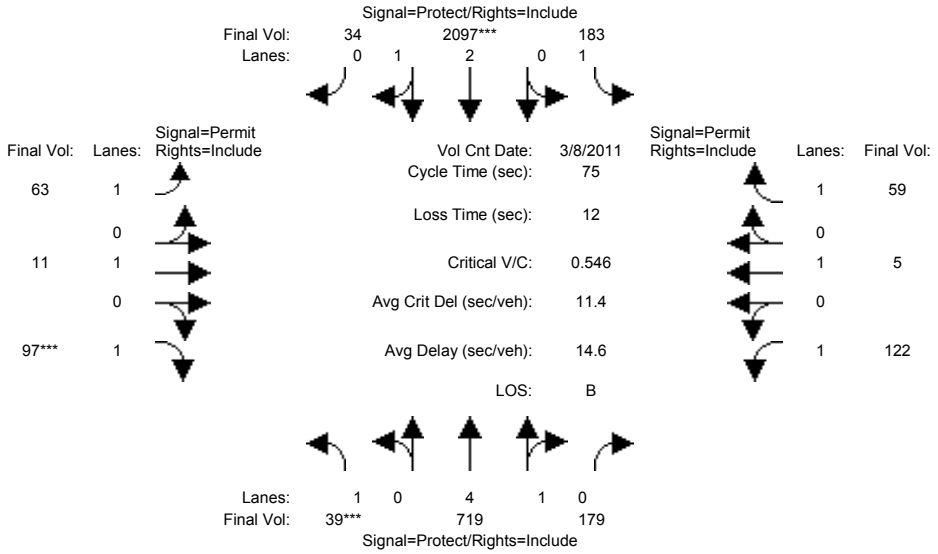
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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: 8 Mar 2011 <<												
Base Vol:	39	719	179	183	2097	34	63	11	97	122	5	59
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:	39	719	179	183	2097	34	63	11	97	122	5	59
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:	39	719	179	183	2097	34	63	11	97	122	5	59
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:	39	719	179	183	2097	34	63	11	97	122	5	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	719	179	183	2097	34	63	11	97	122	5	59
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:	39	719	179	183	2097	34	63	11	97	122	5	59
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	2.95	0.05	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	7600	1800	1750	5511	89	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.09	0.10	0.10	0.38	0.38	0.04	0.01	0.06	0.07	0.00	0.03
Crit Moves:	****				****				****			
Green Time:	7.0	29.7	29.7	23.3	46.0	46.0	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.24	0.24	0.25	0.34	0.62	0.62	0.27	0.04	0.42	0.52	0.02	0.25
Delay/Veh:	35.0	15.3	15.4	21.6	9.9	9.9	32.0	28.7	35.2	38.4	28.4	31.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.0	15.3	15.4	21.6	9.9	9.9	32.0	28.7	35.2	38.4	28.4	31.7
LOS by Move:	C	B	B	C	A	A	C	C	D	D	C	C
HCM2kAvgQ:	1	3	3	3	11	11	2	0	3	4	0	2

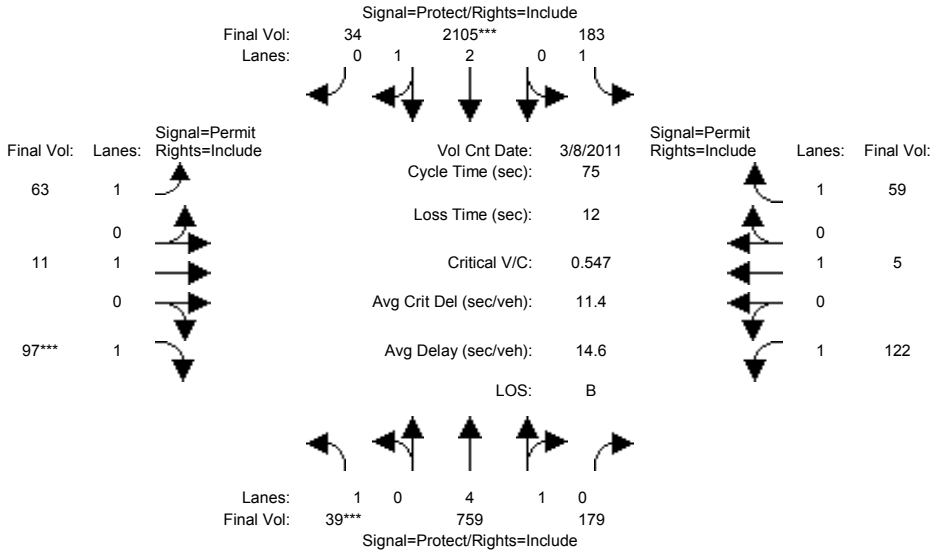
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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: 8 Mar 2011 <<												
Base Vol:	39	719	179	183	2097	34	63	11	97	122	5	59
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:	39	719	179	183	2097	34	63	11	97	122	5	59
Added Vol:	0	40	0	0	8	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	759	179	183	2105	34	63	11	97	122	5	59
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:	39	759	179	183	2105	34	63	11	97	122	5	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	759	179	183	2105	34	63	11	97	122	5	59
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:	39	759	179	183	2105	34	63	11	97	122	5	59
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.00	1.00	1.00	2.95	0.05	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	7603	1793	1750	5511	89	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.10	0.10	0.10	0.38	0.38	0.04	0.01	0.06	0.07	0.00	0.03
Crit Moves:	****				****				****			
Green Time:	7.0	29.7	29.7	23.3	46.0	46.0	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.24	0.25	0.25	0.34	0.62	0.62	0.27	0.04	0.42	0.52	0.02	0.25
Delay/Veh:	35.0	15.4	15.4	21.6	9.9	9.9	32.0	28.7	35.2	38.4	28.4	31.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.0	15.4	15.4	21.6	9.9	9.9	32.0	28.7	35.2	38.4	28.4	31.7
LOS by Move:	C	B	B	C	A	A	C	C	D	D	C	C
HCM2kAvgQ:	1	3	3	3	11	11	2	0	3	4	0	2

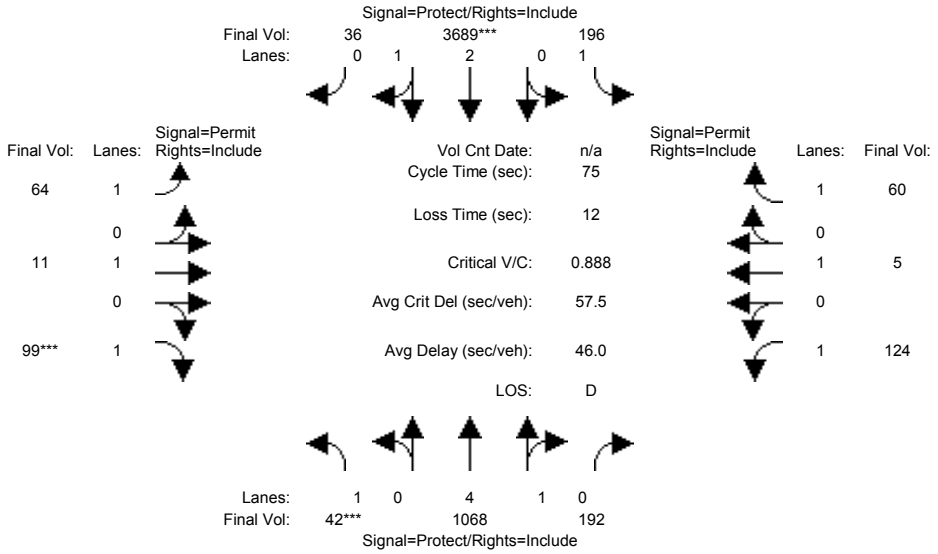
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	42	1068	192	196	3689	36	64	11	99	124	5	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:	42	1068	192	196	3689	36	64	11	99	124	5	60
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	1068	192	196	3689	36	64	11	99	124	5	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:	42	1068	192	196	3689	36	64	11	99	124	5	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	1068	192	196	3689	36	64	11	99	124	5	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:	42	1068	192	196	3689	36	64	11	99	124	5	60
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.20	0.80	1.00	2.97	0.03	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	7965	1432	1750	5546	54	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.13	0.13	0.11	0.67	0.67	0.04	0.01	0.06	0.07	0.00	0.03
Crit Moves:	****				****				****			
Green Time:	7.0	28.9	28.9	24.1	46.0	46.0	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.26	0.35	0.35	0.35	1.08	1.08	0.27	0.04	0.42	0.53	0.02	0.26
Delay/Veh:	35.4	16.6	16.6	21.1	58.4	58.4	32.1	28.7	35.4	38.7	28.4	31.8
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:	35.4	16.6	16.6	21.1	58.4	58.4	32.1	28.7	35.4	38.7	28.4	31.8
LOS by Move:	D	B	B	C	E	E	C	C	D	D	C	C
HCM2kAvgQ:	1	4	4	3	42	42	2	0	3	4	0	2

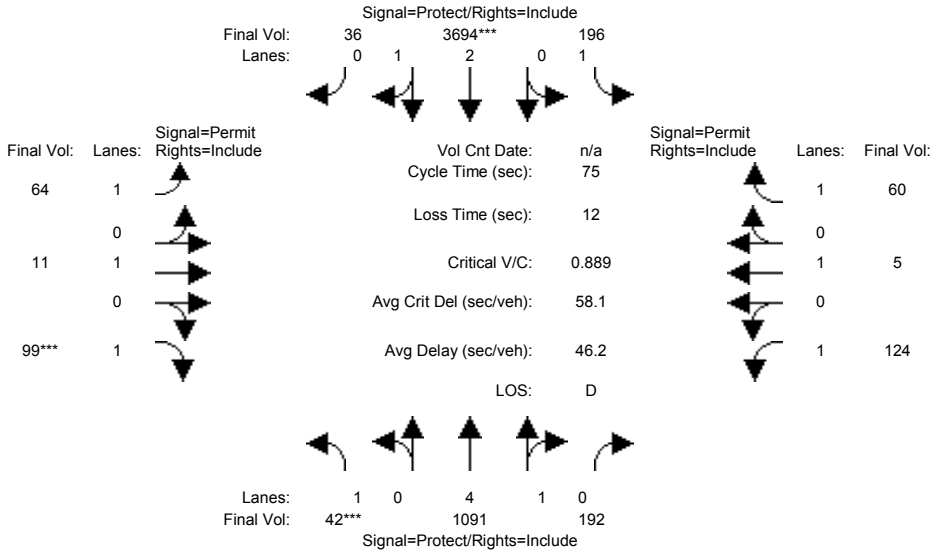
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	42	1068	192	196	3689	36	64	11	99	124	5	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:	42	1068	192	196	3689	36	64	11	99	124	5	60
Added Vol:	0	23	0	0	5	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	1091	192	196	3694	36	64	11	99	124	5	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:	42	1091	192	196	3694	36	64	11	99	124	5	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	1091	192	196	3694	36	64	11	99	124	5	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:	42	1091	192	196	3694	36	64	11	99	124	5	60
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.22	0.78	1.00	2.97	0.03	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	7991	1406	1750	5546	54	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.14	0.11	0.67	0.67	0.04	0.01	0.06	0.07	0.00	0.03
Crit Moves:	****				****				****			
Green Time:	7.0	29.1	29.1	23.9	46.0	46.0	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.26	0.35	0.35	0.35	1.09	1.09	0.27	0.04	0.42	0.53	0.02	0.26
Delay/Veh:	35.4	16.5	16.5	21.4	59.0	59.0	32.1	28.7	35.4	38.7	28.4	31.8
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:	35.4	16.5	16.5	21.4	59.0	59.0	32.1	28.7	35.4	38.7	28.4	31.8
LOS by Move:	D	B	B	C	E	E	C	C	D	D	C	C
HCM2kAvgQ:	1	4	4	4	42	42	2	0	3	4	0	2

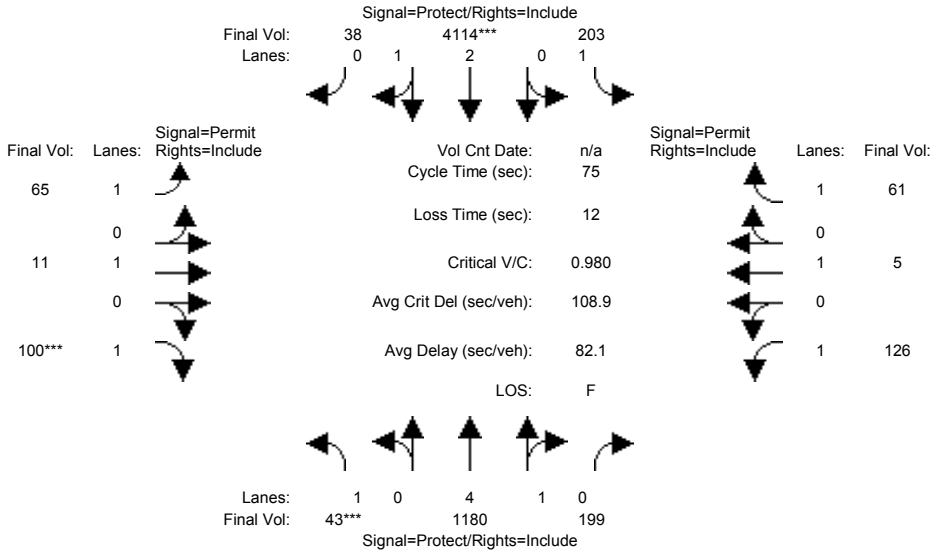
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	43	1180	199	203	4114	38	65	11	100	126	5	61
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:	43	1180	199	203	4114	38	65	11	100	126	5	61
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:	43	1180	199	203	4114	38	65	11	100	126	5	61
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:	43	1180	199	203	4114	38	65	11	100	126	5	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	1180	199	203	4114	38	65	11	100	126	5	61
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:	43	1180	199	203	4114	38	65	11	100	126	5	61
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.25	0.75	1.00	2.97	0.03	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	8041	1356	1750	5549	51	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.15	0.15	0.12	0.74	0.74	0.04	0.01	0.06	0.07	0.00	0.03
Crit Moves:	****				****				****			
Green Time:	7.0	29.6	29.6	23.4	46.0	46.0	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.26	0.37	0.37	0.37	1.21	1.21	0.28	0.04	0.43	0.54	0.02	0.26
Delay/Veh:	35.5	16.4	16.4	22.0	111	111.4	32.2	28.7	35.5	39.0	28.4	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:	35.5	16.4	16.4	22.0	111	111.4	32.2	28.7	35.5	39.0	28.4	31.9
LOS by Move:	D	B	B	C	F	F	C	C	D	D	C	C
HCM2kAvgQ:	1	5	5	4	60	60	2	0	3	4	0	2

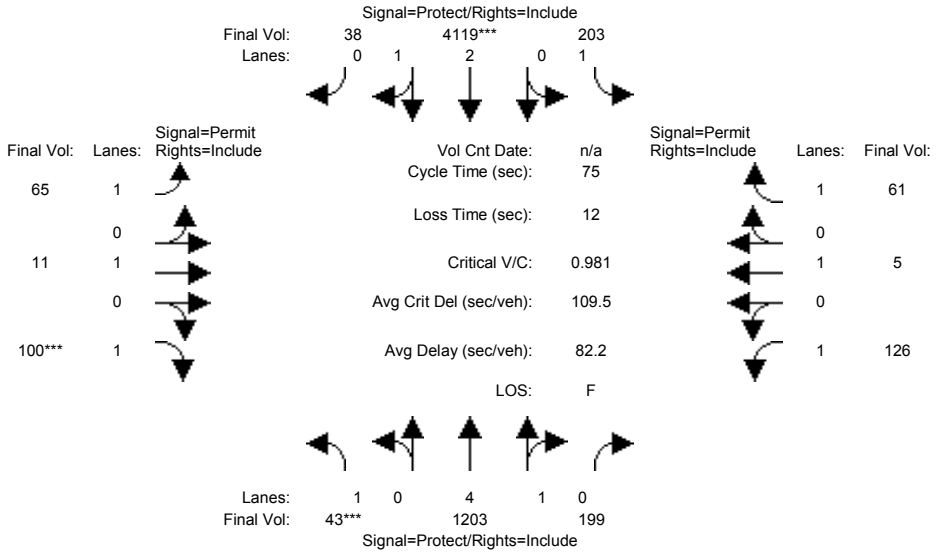
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #14: Mathilda Ave & Ross Dr



Street Name:	Mathilda Ave						Ross Dr					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	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:												
Base Vol:	43	1180	199	203	4114	38	65	11	100	126	5	61
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:	43	1180	199	203	4114	38	65	11	100	126	5	61
Added Vol:	0	23	0	0	5	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	43	1203	199	203	4119	38	65	11	100	126	5	61
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:	43	1203	199	203	4119	38	65	11	100	126	5	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	1203	199	203	4119	38	65	11	100	126	5	61
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:	43	1203	199	203	4119	38	65	11	100	126	5	61
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.95	0.92	0.98	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	4.26	0.74	1.00	2.97	0.03	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	8063	1334	1750	5549	51	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.15	0.15	0.12	0.74	0.74	0.04	0.01	0.06	0.07	0.00	0.03
Crit Moves:	****				****				****			
Green Time:	7.0	29.8	29.8	23.2	46.0	46.0	10.0	10.0	10.0	10.0	10.0	10.0
Volume/Cap:	0.26	0.38	0.38	0.38	1.21	1.21	0.28	0.04	0.43	0.54	0.02	0.26
Delay/Veh:	35.5	16.3	16.3	22.2	112	112.1	32.2	28.7	35.5	39.0	28.4	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:	35.5	16.3	16.3	22.2	112	112.1	32.2	28.7	35.5	39.0	28.4	31.9
LOS by Move:	D	B	B	C	F	F	C	C	D	D	C	C
HCM2kAvgQ:	1	5	5	4	61	61	2	0	3	4	0	2

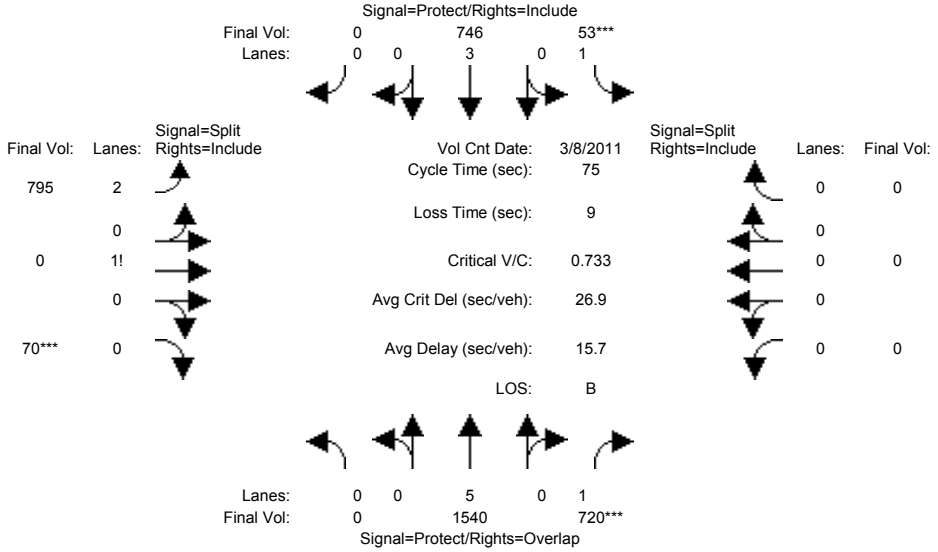
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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: 8 Mar 2011 <<												
Base Vol:	0	1540	720	53	746	0	795	0	70	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1540	720	53	746	0	795	0	70	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1540	720	53	746	0	795	0	70	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1540	720	53	746	0	795	0	70	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1540	720	53	746	0	795	0	70	0	0	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:	0	1540	720	53	746	0	795	0	70	0	0	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	0.85	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.80	0.00	0.20	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	4550	0	344	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.16	0.41	0.03	0.13	0.00	0.17	0.00	0.20	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	39.5	39.5	7.0	46.5	0.0	19.5	0.0	19.5	0.0	0.0	0.0
Volume/Cap:	0.00	0.31	0.78	0.32	0.21	0.00	0.67	0.00	0.78	0.00	0.00	0.00
Delay/Veh:	0.0	10.2	20.8	37.0	6.4	0.0	27.7	0.0	31.3	0.0	0.0	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:	0.0	10.2	20.8	37.0	6.4	0.0	27.7	0.0	31.3	0.0	0.0	0.0
LOS by Move:	A	B	C	D	A	A	C	A	C	A	A	A
HCM2kAvgQ:	0	4	16	2	3	0	8	0	10	0	0	0

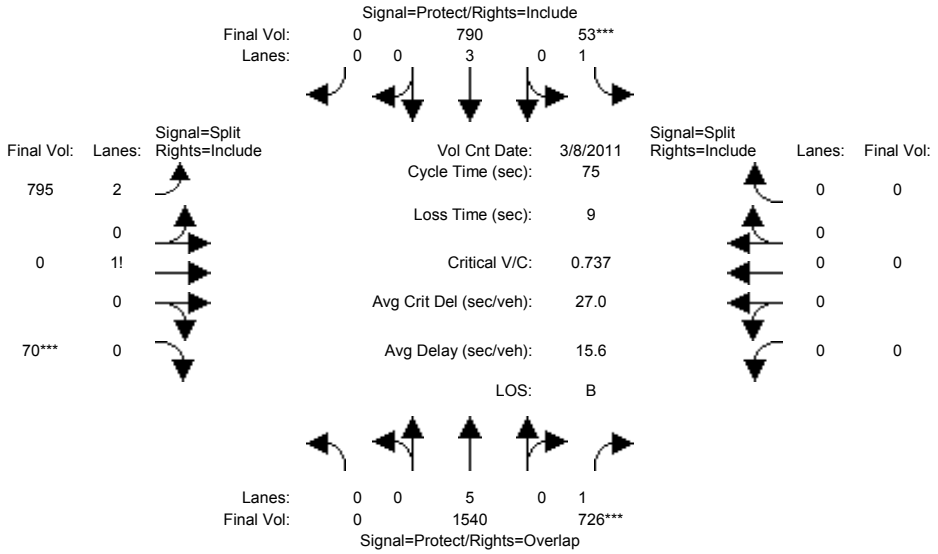
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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: 8 Mar 2011 <<												
Base Vol:	0	1540	720	53	746	0	795	0	70	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1540	720	53	746	0	795	0	70	0	0	0
Added Vol:	0	0	6	0	44	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1540	726	53	790	0	795	0	70	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1540	726	53	790	0	795	0	70	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1540	726	53	790	0	795	0	70	0	0	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:	0	1540	726	53	790	0	795	0	70	0	0	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	0.85	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.80	0.00	0.20	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	4550	0	344	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.16	0.41	0.03	0.14	0.00	0.17	0.00	0.20	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	39.6	39.6	7.0	46.6	0.0	19.4	0.0	19.4	0.0	0.0	0.0
Volume/Cap:	0.00	0.31	0.79	0.32	0.22	0.00	0.68	0.00	0.79	0.00	0.00	0.00
Delay/Veh:	0.0	10.1	21.0	37.0	6.4	0.0	27.8	0.0	31.5	0.0	0.0	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:	0.0	10.1	21.0	37.0	6.4	0.0	27.8	0.0	31.5	0.0	0.0	0.0
LOS by Move:	A	B	C	D	A	A	C	A	C	A	A	A
HCM2kAvgQ:	0	4	16	2	3	0	8	0	10	0	0	0

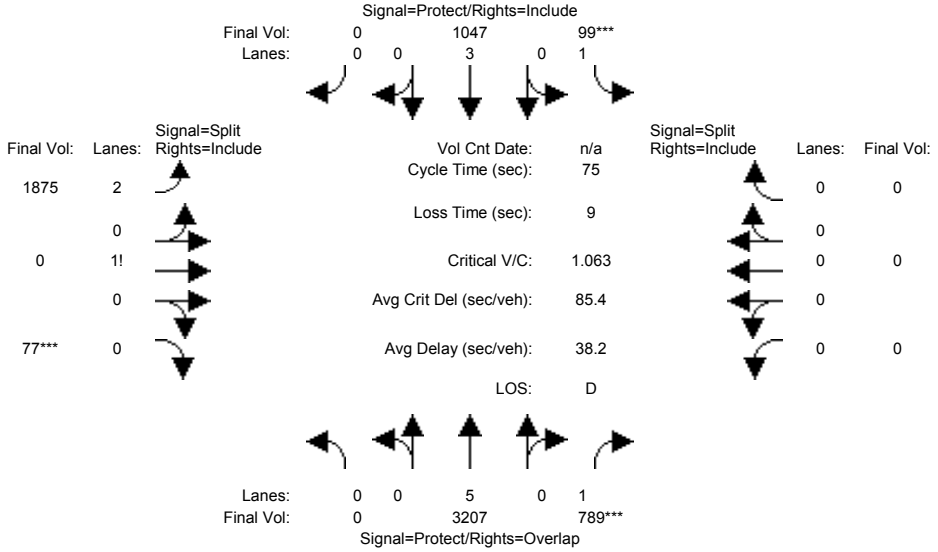
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	3207	789	99	1047	0	1875	0	77	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	3207	789	99	1047	0	1875	0	77	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	3207	789	99	1047	0	1875	0	77	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	3207	789	99	1047	0	1875	0	77	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	3207	789	99	1047	0	1875	0	77	0	0	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:	0	3207	789	99	1047	0	1875	0	77	0	0	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	0.86	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.90	0.00	0.10	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	4718	0	180	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.34	0.45	0.06	0.18	0.00	0.40	0.00	0.43	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	30.3	30.3	7.0	37.3	0.0	28.7	0.0	28.7	0.0	0.0	0.0
Volume/Cap:	0.00	0.84	1.12	0.61	0.37	0.00	1.04	0.00	1.12	0.00	0.00	0.00
Delay/Veh:	0.0	22.5	93.1	48.3	12.0	0.0	54.4	0.0	84.2	0.0	0.0	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:	0.0	22.5	93.1	48.3	12.0	0.0	54.4	0.0	84.2	0.0	0.0	0.0
LOS by Move:	A	C	F	D	B	A	D	A	F	A	A	A
HCM2kAvgQ:	0	15	33	3	5	0	27	0	34	0	0	0

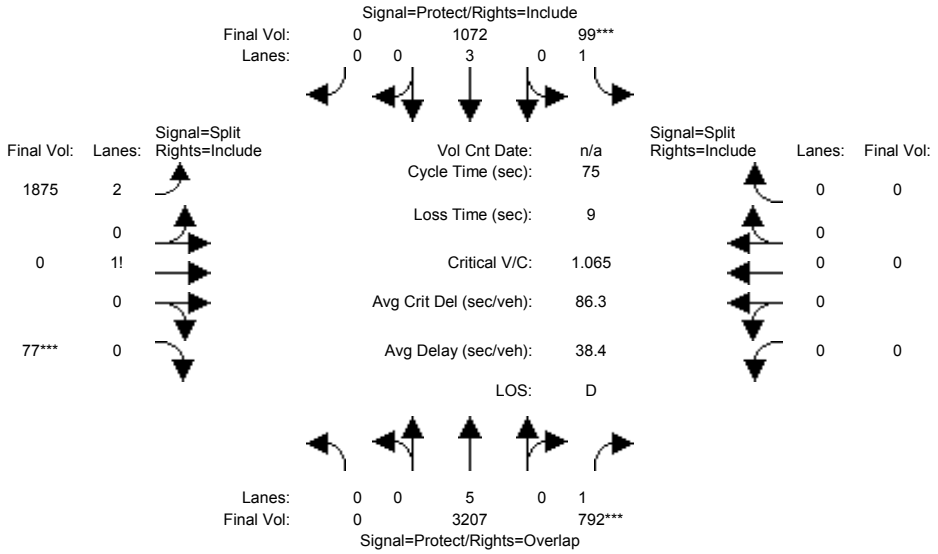
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	3207	789	99	1047	0	1875	0	77	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	3207	789	99	1047	0	1875	0	77	0	0	0
Added Vol:	0	0	3	0	25	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	3207	792	99	1072	0	1875	0	77	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	3207	792	99	1072	0	1875	0	77	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	3207	792	99	1072	0	1875	0	77	0	0	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:	0	3207	792	99	1072	0	1875	0	77	0	0	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	0.86	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.90	0.00	0.10	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	4718	0	180	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.34	0.45	0.06	0.19	0.00	0.40	0.00	0.43	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	30.3	30.3	7.0	37.3	0.0	28.7	0.0	28.7	0.0	0.0	0.0
Volume/Cap:	0.00	0.83	1.12	0.61	0.38	0.00	1.04	0.00	1.12	0.00	0.00	0.00
Delay/Veh:	0.0	22.4	93.8	48.3	12.0	0.0	55.1	0.0	85.1	0.0	0.0	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:	0.0	22.4	93.8	48.3	12.0	0.0	55.1	0.0	85.1	0.0	0.0	0.0
LOS by Move:	A	C	F	D	B	A	E	A	F	A	A	A
HCM2kAvgQ:	0	15	33	3	5	0	27	0	34	0	0	0

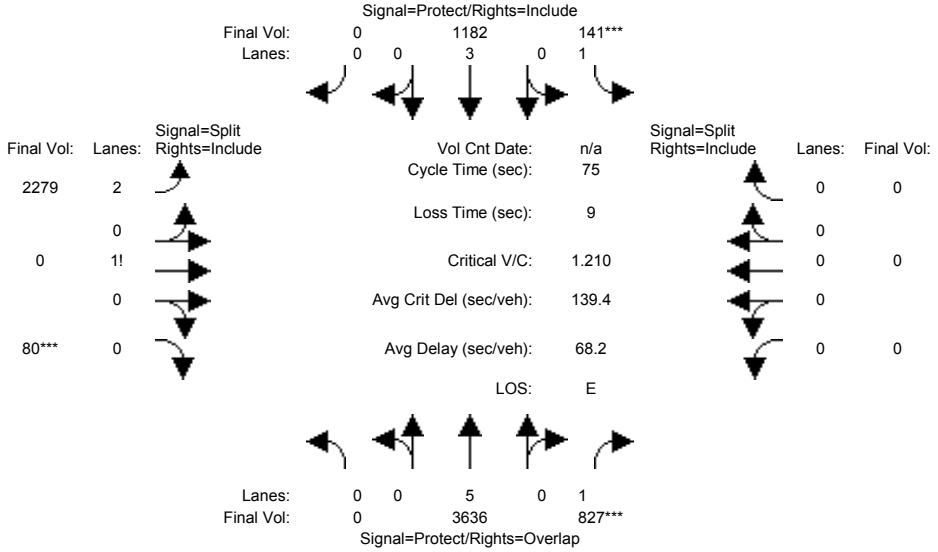
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	3636	827	141	1182	0	2279	0	80	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	3636	827	141	1182	0	2279	0	80	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	3636	827	141	1182	0	2279	0	80	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	3636	827	141	1182	0	2279	0	80	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	3636	827	141	1182	0	2279	0	80	0	0	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:	0	3636	827	141	1182	0	2279	0	80	0	0	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	0.86	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.91	0.00	0.09	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	4742	0	156	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.38	0.47	0.08	0.21	0.00	0.48	0.00	0.51	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	28.3	28.3	7.0	35.3	0.0	30.7	0.0	30.7	0.0	0.0	0.0
Volume/Cap:	0.00	1.01	1.25	0.86	0.44	0.00	1.17	0.00	1.25	0.00	0.00	0.00
Delay/Veh:	0.0	41.8	148.8	75.1	13.8	0.0	106.4	0.0	139.9	0.0	0.0	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:	0.0	41.8	148.8	75.1	13.8	0.0	106.4	0.0	139.9	0.0	0.0	0.0
LOS by Move:	A	D	F	E	B	A	F	A	F	A	A	A
HCM2kAvgQ:	0	22	43	6	6	0	41	0	49	0	0	0

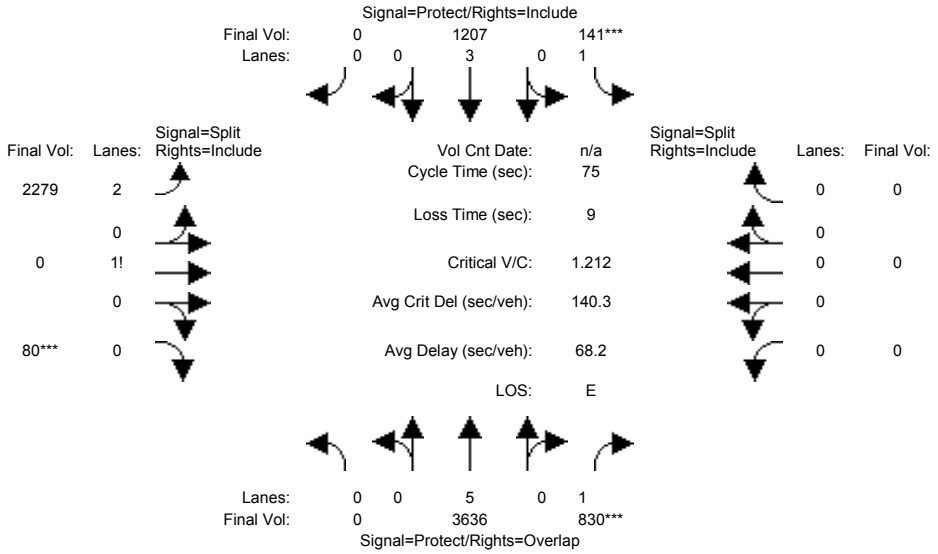
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	3636	827	141	1182	0	2279	0	80	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	3636	827	141	1182	0	2279	0	80	0	0	0
Added Vol:	0	0	3	0	25	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	3636	830	141	1207	0	2279	0	80	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	3636	830	141	1207	0	2279	0	80	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	3636	830	141	1207	0	2279	0	80	0	0	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:	0	3636	830	141	1207	0	2279	0	80	0	0	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	0.86	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.91	0.00	0.09	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	4742	0	156	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.38	0.47	0.08	0.21	0.00	0.48	0.00	0.51	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	28.4	28.4	7.0	35.4	0.0	30.6	0.0	30.6	0.0	0.0	0.0
Volume/Cap:	0.00	1.01	1.25	0.86	0.45	0.00	1.18	0.00	1.25	0.00	0.00	0.00
Delay/Veh:	0.0	41.3	149.6	75.1	13.8	0.0	107.3	0.0	140.9	0.0	0.0	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:	0.0	41.3	149.6	75.1	13.8	0.0	107.3	0.0	140.9	0.0	0.0	0.0
LOS by Move:	A	D	F	E	B	A	F	A	F	A	A	A
HCM2kAvgQ:	0	22	44	6	6	0	41	0	49	0	0	0

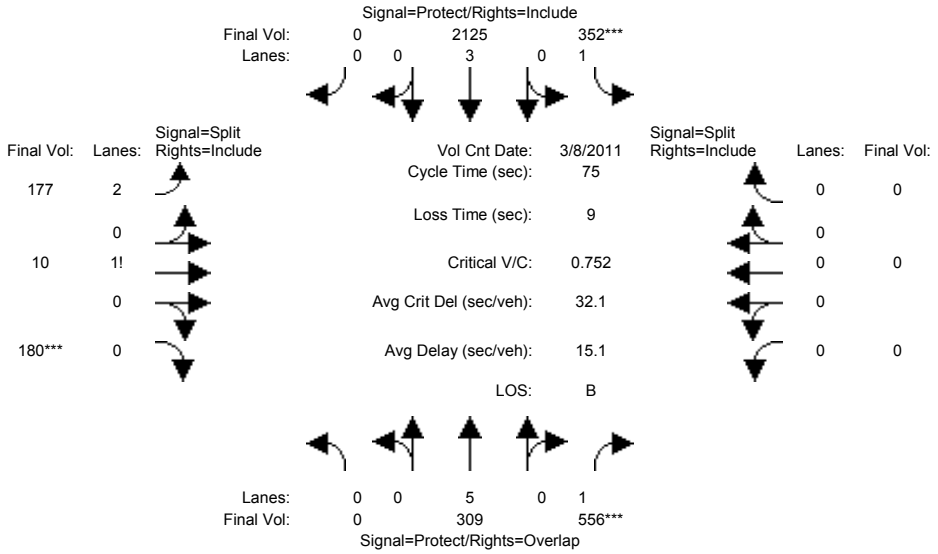
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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: 8 Mar 2011 <<												
Base Vol:	0	309	556	352	2125	0	177	10	180	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	309	556	352	2125	0	177	10	180	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	309	556	352	2125	0	177	10	180	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	309	556	352	2125	0	177	10	180	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	309	556	352	2125	0	177	10	180	0	0	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:	0	309	556	352	2125	0	177	10	180	0	0	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	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.26	0.04	0.70	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	3563	70	1259	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.32	0.20	0.37	0.00	0.05	0.14	0.14	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	31.7	31.7	20.1	51.7	0.0	14.3	14.3	14.3	0.0	0.0	0.0
Volume/Cap:	0.00	0.08	0.75	0.75	0.54	0.00	0.26	0.75	0.75	0.00	0.00	0.00
Delay/Veh:	0.0	13.0	25.3	35.8	6.3	0.0	26.3	39.0	39.0	0.0	0.0	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:	0.0	13.0	25.3	35.8	6.3	0.0	26.3	39.0	39.0	0.0	0.0	0.0
LOS by Move:	A	B	C	D	A	A	C	D	D	A	A	A
HCM2kAvgQ:	0	1	13	10	8	0	2	8	8	0	0	0

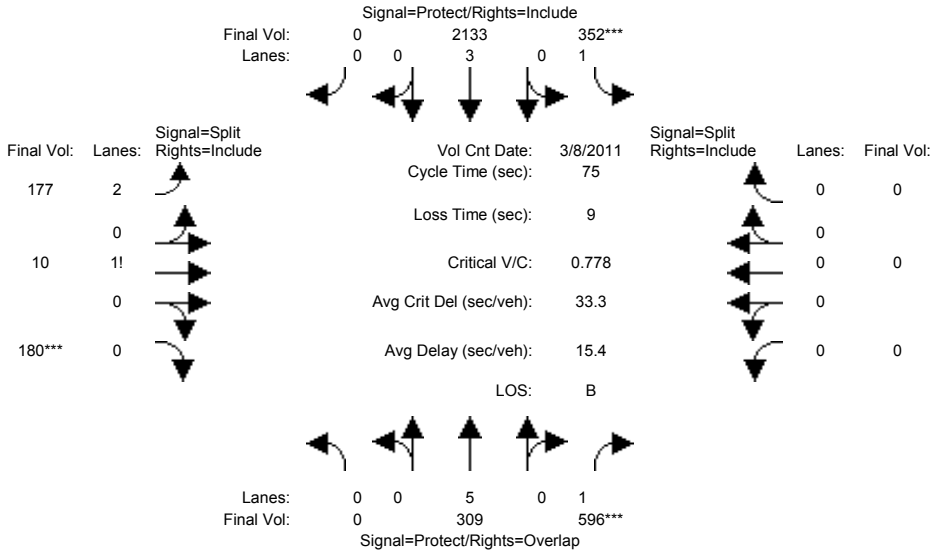
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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: 8 Mar 2011 <<												
Base Vol:	0	309	556	352	2125	0	177	10	180	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	309	556	352	2125	0	177	10	180	0	0	0
Added Vol:	0	0	40	0	8	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	309	596	352	2133	0	177	10	180	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	309	596	352	2133	0	177	10	180	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	309	596	352	2133	0	177	10	180	0	0	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:	0	309	596	352	2133	0	177	10	180	0	0	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	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.26	0.04	0.70	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	3563	70	1259	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.34	0.20	0.37	0.00	0.05	0.14	0.14	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	32.8	32.8	19.4	52.2	0.0	13.8	13.8	13.8	0.0	0.0	0.0
Volume/Cap:	0.00	0.07	0.78	0.78	0.54	0.00	0.27	0.78	0.78	0.00	0.00	0.00
Delay/Veh:	0.0	12.3	25.6	38.2	6.1	0.0	26.8	41.1	41.1	0.0	0.0	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:	0.0	12.3	25.6	38.2	6.1	0.0	26.8	41.1	41.1	0.0	0.0	0.0
LOS by Move:	A	B	C	D	A	A	C	D	D	A	A	A
HCM2kAvgQ:	0	1	14	10	8	0	2	8	8	0	0	0

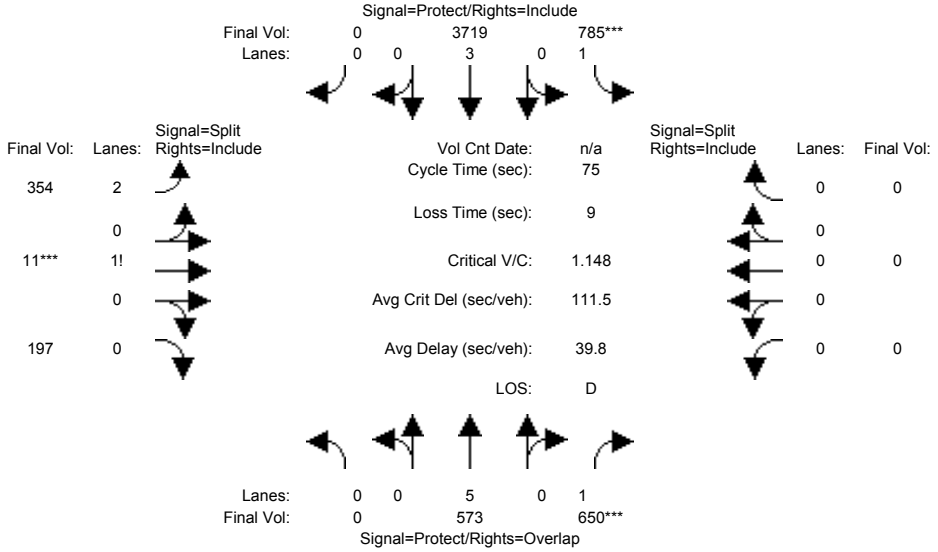
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	573	650	785	3719	0	354	11	197	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	573	650	785	3719	0	354	11	197	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	573	650	785	3719	0	354	11	197	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	573	650	785	3719	0	354	11	197	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	573	650	785	3719	0	354	11	197	0	0	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:	0	573	650	785	3719	0	354	11	197	0	0	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	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.40	0.03	0.57	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	3769	58	1034	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.37	0.45	0.65	0.00	0.09	0.19	0.19	0.00	0.00	0.00
Crit Moves:			****	****				****				
Green Time:	0.0	24.3	24.3	29.3	53.6	0.0	12.4	12.4	12.4	0.0	0.0	0.0
Volume/Cap:	0.00	0.19	1.15	1.15	0.91	0.00	0.57	1.15	1.15	0.00	0.00	0.00
Delay/Veh:	0.0	18.4	111.2	105.9	13.0	0.0	31.1	120	119.5	0.0	0.0	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:	0.0	18.4	111.2	105.9	13.0	0.0	31.1	120	119.5	0.0	0.0	0.0
LOS by Move:	A	B	F	F	B	A	C	F	F	A	A	A
HCM2kAvgQ:	0	2	30	37	28	0	5	18	18	0	0	0

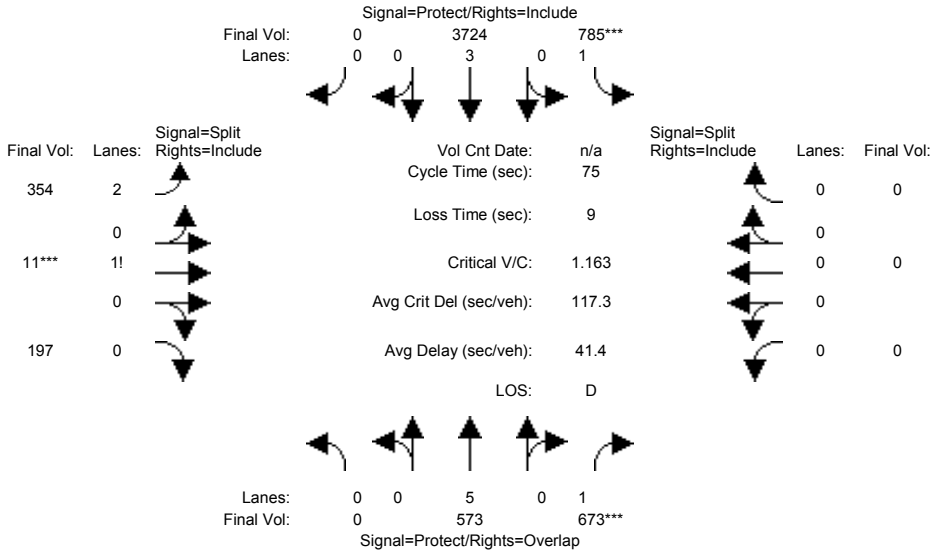
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	573	650	785	3719	0	354	11	197	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	573	650	785	3719	0	354	11	197	0	0	0
Added Vol:	0	0	23	0	5	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	573	673	785	3724	0	354	11	197	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	573	673	785	3724	0	354	11	197	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	573	673	785	3724	0	354	11	197	0	0	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:	0	573	673	785	3724	0	354	11	197	0	0	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	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.40	0.03	0.57	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	3769	58	1034	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.38	0.45	0.65	0.00	0.09	0.19	0.19	0.00	0.00	0.00
Crit Moves:			****	****				****				
Green Time:	0.0	24.8	24.8	28.9	53.7	0.0	12.3	12.3	12.3	0.0	0.0	0.0
Volume/Cap:	0.00	0.18	1.16	1.16	0.91	0.00	0.57	1.16	1.16	0.00	0.00	0.00
Delay/Veh:	0.0	18.0	116.4	112.1	12.9	0.0	31.4	126	125.5	0.0	0.0	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:	0.0	18.0	116.4	112.1	12.9	0.0	31.4	126	125.5	0.0	0.0	0.0
LOS by Move:	A	B	F	F	B	A	C	F	F	A	A	A
HCM2kAvgQ:	0	2	32	38	28	0	5	18	18	0	0	0

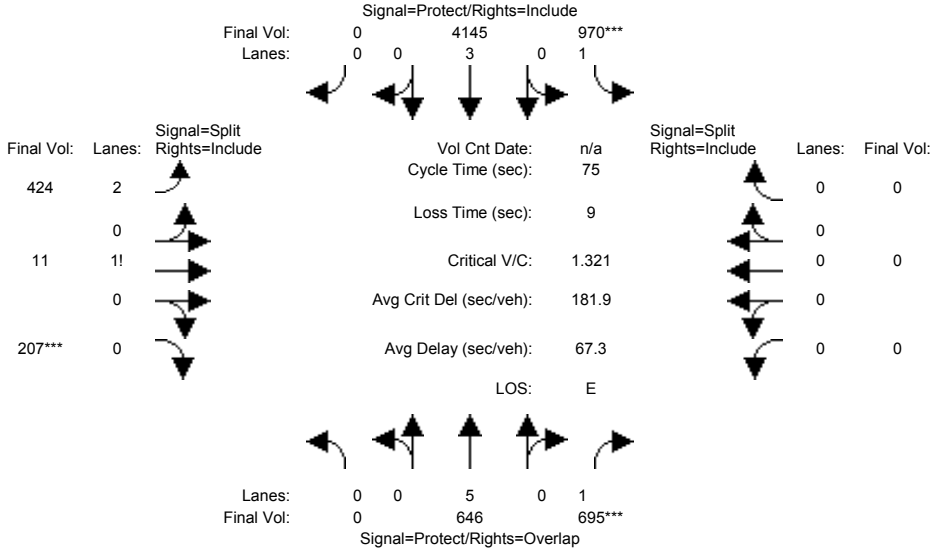
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	646	695	970	4145	0	424	11	207	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	646	695	970	4145	0	424	11	207	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	646	695	970	4145	0	424	11	207	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	646	695	970	4145	0	424	11	207	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	646	695	970	4145	0	424	11	207	0	0	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:	0	646	695	970	4145	0	424	11	207	0	0	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	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.43	0.03	0.54	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	3820	52	982	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.40	0.55	0.73	0.00	0.11	0.21	0.21	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	22.6	22.6	31.5	54.0	0.0	12.0	12.0	12.0	0.0	0.0	0.0
Volume/Cap:	0.00	0.23	1.32	1.32	1.01	0.00	0.70	1.32	1.32	0.00	0.00	0.00
Delay/Veh:	0.0	19.9	183.5	175.6	26.9	0.0	34.1	190	189.8	0.0	0.0	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:	0.0	19.9	183.5	175.6	26.9	0.0	34.1	190	189.8	0.0	0.0	0.0
LOS by Move:	A	B	F	F	C	A	C	F	F	A	A	A
HCM2kAvgQ:	0	2	41	58	43	0	6	24	24	0	0	0

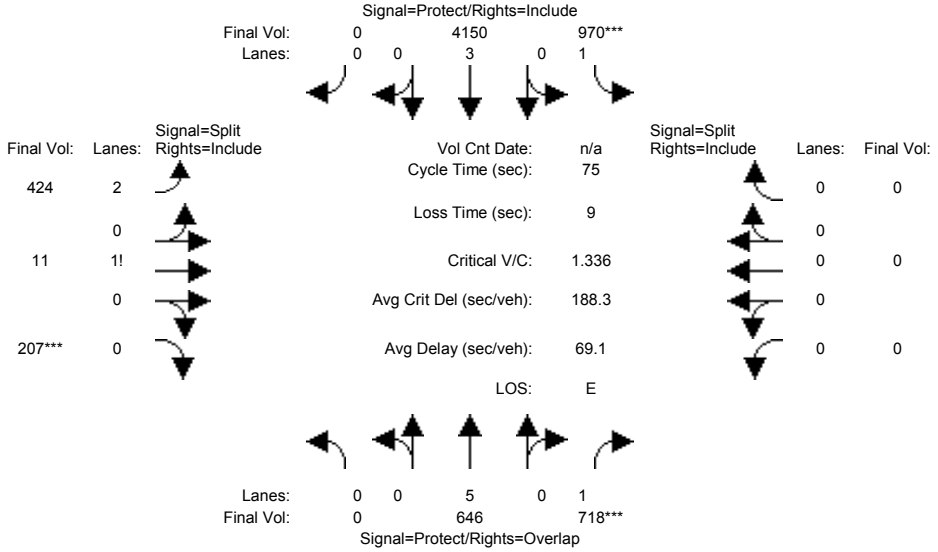
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #15: Mathilda Ave & CA237 EB Ramps



Street Name:	Mathilda Ave						CA237 EB Ramps					
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	10	10	7	10	0	10	10	10	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:												
Base Vol:	0	646	695	970	4145	0	424	11	207	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	646	695	970	4145	0	424	11	207	0	0	0
Added Vol:	0	0	23	0	5	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	646	718	970	4150	0	424	11	207	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	646	718	970	4150	0	424	11	207	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	646	718	970	4150	0	424	11	207	0	0	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:	0	646	718	970	4150	0	424	11	207	0	0	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	0.83	0.95	0.95	0.92	1.00	0.92
Lanes:	0.00	5.00	1.00	1.00	3.00	0.00	2.43	0.03	0.54	0.00	0.00	0.00
Final Sat.:	0	9500	1750	1750	5700	0	3820	52	982	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.41	0.55	0.73	0.00	0.11	0.21	0.21	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green Time:	0.0	23.0	23.0	31.1	54.2	0.0	11.8	11.8	11.8	0.0	0.0	0.0
Volume/Cap:	0.00	0.22	1.34	1.34	1.01	0.00	0.70	1.34	1.34	0.00	0.00	0.00
Delay/Veh:	0.0	19.5	189.4	182.3	26.5	0.0	34.4	196	196.3	0.0	0.0	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:	0.0	19.5	189.4	182.3	26.5	0.0	34.4	196	196.3	0.0	0.0	0.0
LOS by Move:	A	B	F	F	C	A	C	F	F	A	A	A
HCM2kAvgQ:	0	2	43	59	43	0	6	24	24	0	0	0

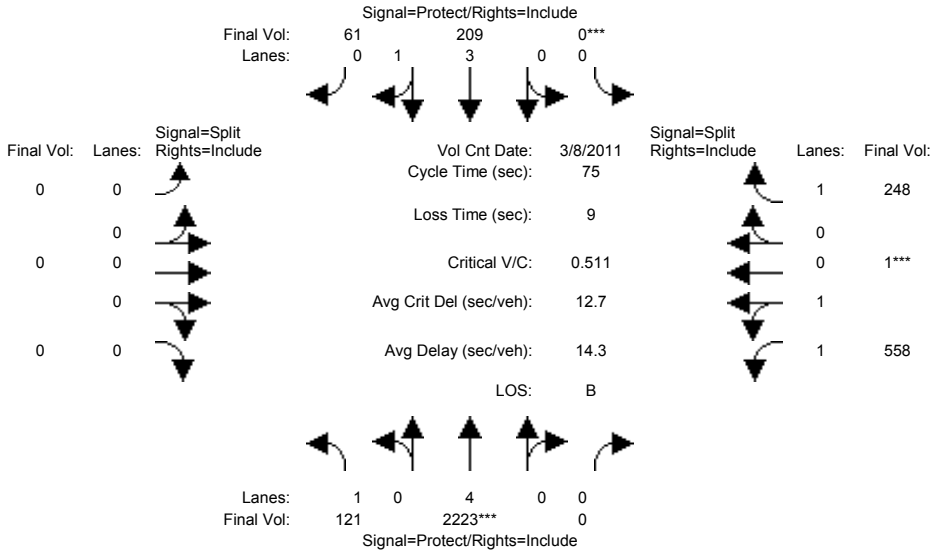
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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: 8 Mar 2011 <<												
Base Vol:	121	2223	0	0	209	61	0	0	0	558	1	248
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:	121	2223	0	0	209	61	0	0	0	558	1	248
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:	121	2223	0	0	209	61	0	0	0	558	1	248
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:	121	2223	0	0	209	61	0	0	0	558	1	248
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	121	2223	0	0	209	61	0	0	0	558	1	248
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:	121	2223	0	0	209	61	0	0	0	558	1	248
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	0.95	0.92	1.00	0.92	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.06	0.94	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5803	1694	0	0	0	3544	6	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.29	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.16	0.16	0.14
Crit Moves:		****		****							****	
Green Time:	17.7	42.9	0.0	0.0	25.2	25.2	0.0	0.0	0.0	23.1	23.1	23.1
Volume/Cap:	0.29	0.51	0.00	0.00	0.11	0.11	0.00	0.00	0.00	0.51	0.51	0.46
Delay/Veh:	25.3	10.1	0.0	0.0	17.2	17.2	0.0	0.0	0.0	23.0	23.0	23.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.3	10.1	0.0	0.0	17.2	17.2	0.0	0.0	0.0	23.0	23.0	23.7
LOS by Move:	C	B	A	A	B	B	A	A	A	C	C	C
HCM2kAvgQ:	3	8	0	0	1	1	0	0	0	6	6	5

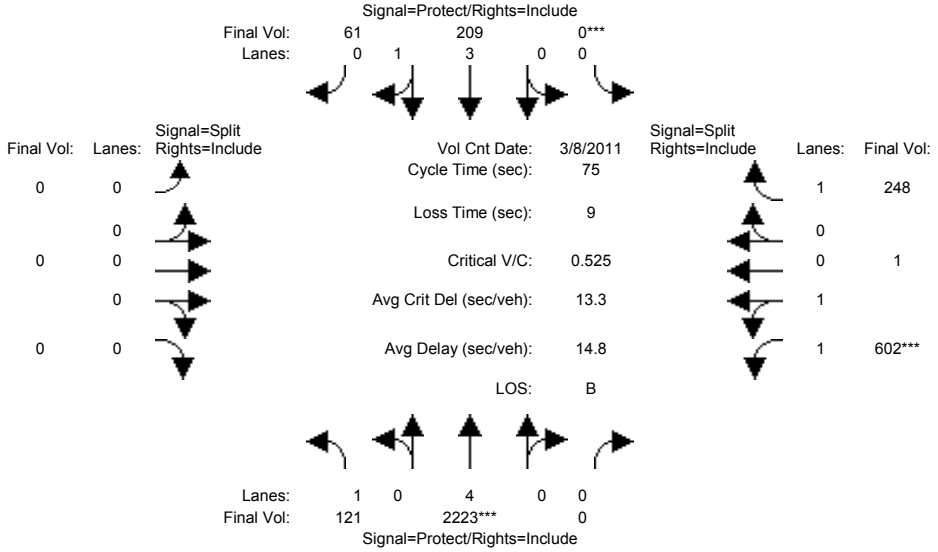
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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: 8 Mar 2011 <<												
Base Vol:	121	2223	0	0	209	61	0	0	0	558	1	248
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:	121	2223	0	0	209	61	0	0	0	558	1	248
Added Vol:	0	0	0	0	0	0	0	0	0	44	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	121	2223	0	0	209	61	0	0	0	602	1	248
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:	121	2223	0	0	209	61	0	0	0	602	1	248
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	121	2223	0	0	209	61	0	0	0	602	1	248
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:	121	2223	0	0	209	61	0	0	0	602	1	248
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	0.95	0.92	1.00	0.92	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.06	0.94	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5803	1694	0	0	0	3544	6	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.29	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.17	0.17	0.14
Crit Moves:		****		****						****		
Green Time:	17.2	41.8	0.0	0.0	24.6	24.6	0.0	0.0	0.0	24.2	24.2	24.2
Volume/Cap:	0.30	0.53	0.00	0.00	0.11	0.11	0.00	0.00	0.00	0.53	0.53	0.44
Delay/Veh:	25.9	10.9	0.0	0.0	17.7	17.7	0.0	0.0	0.0	22.4	22.4	22.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.9	10.9	0.0	0.0	17.7	17.7	0.0	0.0	0.0	22.4	22.4	22.5
LOS by Move:	C	B	A	A	B	B	A	A	A	C	C	C
HCM2kAvgQ:	3	8	0	0	1	1	0	0	0	7	7	5

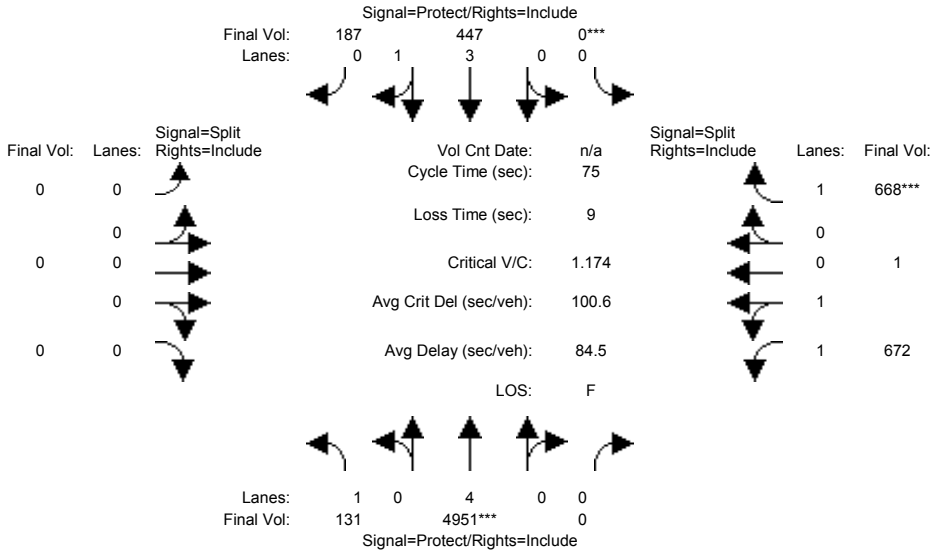
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	131	4951	0	0	447	187	0	0	0	672	1	668
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:	131	4951	0	0	447	187	0	0	0	672	1	668
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:	131	4951	0	0	447	187	0	0	0	672	1	668
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:	131	4951	0	0	447	187	0	0	0	672	1	668
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	131	4951	0	0	447	187	0	0	0	672	1	668
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:	131	4951	0	0	447	187	0	0	0	672	1	668
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3545	5	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.65	0.00	0.00	0.08	0.11	0.00	0.00	0.00	0.19	0.19	0.38
Crit Moves:		****		****								****
Green Time:	17.1	41.6	0.0	0.0	24.5	24.5	0.0	0.0	0.0	24.4	24.4	24.4
Volume/Cap:	0.33	1.17	0.00	0.00	0.24	0.33	0.00	0.00	0.00	0.58	0.58	1.17
Delay/Veh:	26.3	97.8	0.0	0.0	18.7	19.5	0.0	0.0	0.0	23.2	23.2	121.1
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:	26.3	97.8	0.0	0.0	18.7	19.5	0.0	0.0	0.0	23.2	23.2	121.1
LOS by Move:	C	F	A	A	B	B	A	A	A	C	C	F
HCM2kAvgQ:	3	54	0	0	2	3	0	0	0	8	8	33

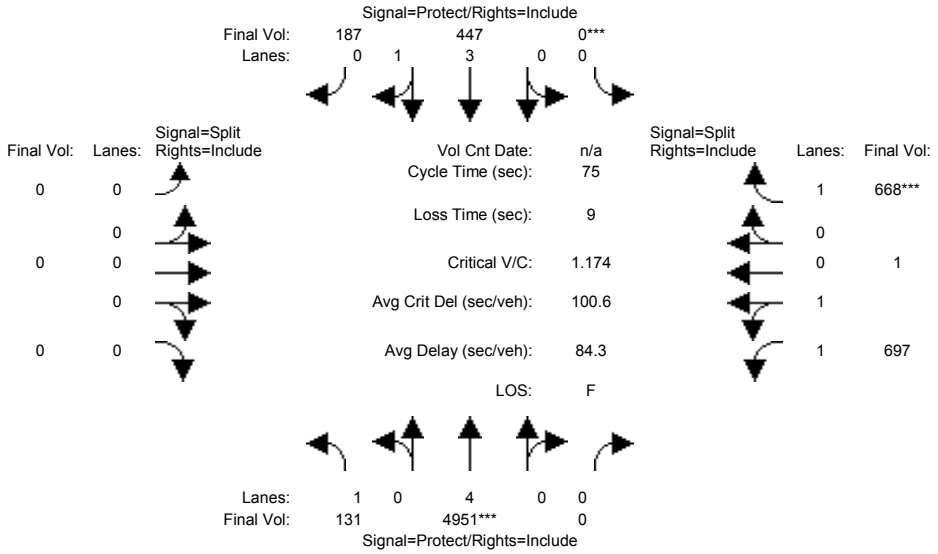
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	131	4951	0	0	447	187	0	0	0	672	1	668
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:	131	4951	0	0	447	187	0	0	0	672	1	668
Added Vol:	0	0	0	0	0	0	0	0	0	25	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	131	4951	0	0	447	187	0	0	0	697	1	668
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:	131	4951	0	0	447	187	0	0	0	697	1	668
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	131	4951	0	0	447	187	0	0	0	697	1	668
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:	131	4951	0	0	447	187	0	0	0	697	1	668
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3545	5	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.65	0.00	0.00	0.08	0.11	0.00	0.00	0.00	0.20	0.20	0.38
Crit Moves:		****		****								****
Green Time:	17.1	41.6	0.0	0.0	24.5	24.5	0.0	0.0	0.0	24.4	24.4	24.4
Volume/Cap:	0.33	1.17	0.00	0.00	0.24	0.33	0.00	0.00	0.00	0.60	0.60	1.17
Delay/Veh:	26.3	97.8	0.0	0.0	18.7	19.5	0.0	0.0	0.0	23.6	23.6	121.1
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:	26.3	97.8	0.0	0.0	18.7	19.5	0.0	0.0	0.0	23.6	23.6	121.1
LOS by Move:	C	F	A	A	B	B	A	A	A	C	C	F
HCM2kAvgQ:	3	54	0	0	2	3	0	0	0	8	8	33

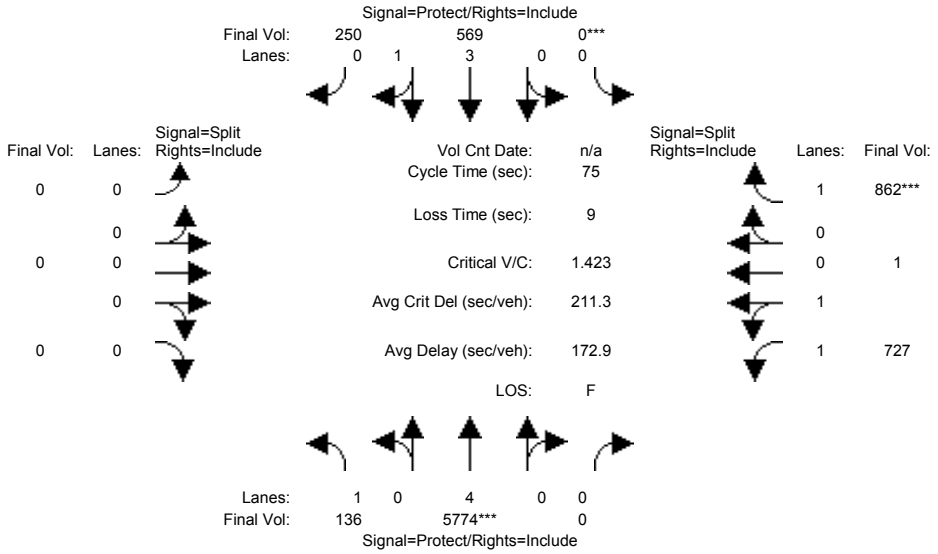
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	136	5774	0	0	569	250	0	0	0	727	1	862
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:	136	5774	0	0	569	250	0	0	0	727	1	862
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:	136	5774	0	0	569	250	0	0	0	727	1	862
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:	136	5774	0	0	569	250	0	0	0	727	1	862
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	136	5774	0	0	569	250	0	0	0	727	1	862
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:	136	5774	0	0	569	250	0	0	0	727	1	862
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3545	5	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.76	0.00	0.00	0.10	0.14	0.00	0.00	0.00	0.21	0.21	0.49
Crit Moves:		****		****								****
Green Time:	15.8	40.0	0.0	0.0	24.2	24.2	0.0	0.0	0.0	26.0	26.0	26.0
Volume/Cap:	0.37	1.42	0.00	0.00	0.31	0.44	0.00	0.00	0.00	0.59	0.59	1.42
Delay/Veh:	28.1	209	0.0	0.0	19.4	20.8	0.0	0.0	0.0	22.3	22.3	224.4
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:	28.1	209	0.0	0.0	19.4	20.8	0.0	0.0	0.0	22.3	22.3	224.4
LOS by Move:	C	F	A	A	B	C	A	A	A	C	C	F
HCM2kAvgQ:	3	87	0	0	3	5	0	0	0	8	8	57

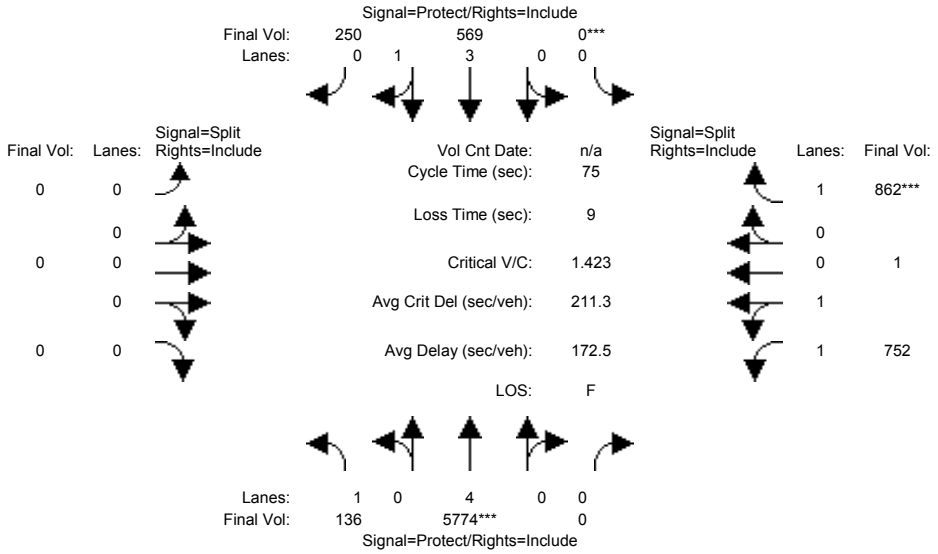
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	136	5774	0	0	569	250	0	0	0	727	1	862
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:	136	5774	0	0	569	250	0	0	0	727	1	862
Added Vol:	0	0	0	0	0	0	0	0	0	25	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	136	5774	0	0	569	250	0	0	0	752	1	862
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:	136	5774	0	0	569	250	0	0	0	752	1	862
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	136	5774	0	0	569	250	0	0	0	752	1	862
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:	136	5774	0	0	569	250	0	0	0	752	1	862
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3545	5	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.76	0.00	0.00	0.10	0.14	0.00	0.00	0.00	0.21	0.21	0.49
Crit Moves:		****		****								****
Green Time:	15.8	40.0	0.0	0.0	24.2	24.2	0.0	0.0	0.0	26.0	26.0	26.0
Volume/Cap:	0.37	1.42	0.00	0.00	0.31	0.44	0.00	0.00	0.00	0.61	0.61	1.42
Delay/Veh:	28.1	209	0.0	0.0	19.4	20.8	0.0	0.0	0.0	22.6	22.6	224.4
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:	28.1	209	0.0	0.0	19.4	20.8	0.0	0.0	0.0	22.6	22.6	224.4
LOS by Move:	C	F	A	A	B	C	A	A	A	C	C	F
HCM2kAvgQ:	3	87	0	0	3	5	0	0	0	8	8	57

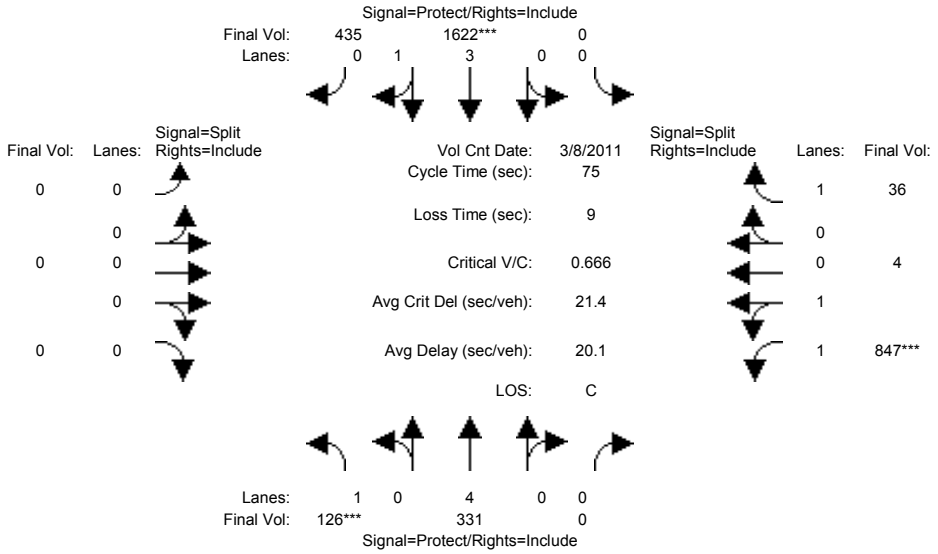
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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: 8 Mar 2011 <<												
Base Vol:	126	331	0	0	1622	435	0	0	0	847	4	36
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:	126	331	0	0	1622	435	0	0	0	847	4	36
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:	126	331	0	0	1622	435	0	0	0	847	4	36
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:	126	331	0	0	1622	435	0	0	0	847	4	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	331	0	0	1622	435	0	0	0	847	4	36
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:	126	331	0	0	1622	435	0	0	0	847	4	36
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	0.95	0.92	1.00	0.92	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.12	0.88	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5911	1585	0	0	0	3533	17	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.00	0.00	0.27	0.27	0.00	0.00	0.00	0.24	0.24	0.02
Crit Moves:	****				****					****		
Green Time:	8.1	39.0	0.0	0.0	30.9	30.9	0.0	0.0	0.0	27.0	27.0	27.0
Volume/Cap:	0.67	0.08	0.00	0.00	0.67	0.67	0.00	0.00	0.00	0.67	0.67	0.06
Delay/Veh:	49.2	9.1	0.0	0.0	19.0	19.0	0.0	0.0	0.0	23.0	23.0	15.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.2	9.1	0.0	0.0	19.0	19.0	0.0	0.0	0.0	23.0	23.0	15.9
LOS by Move:	D	A	A	A	B	B	A	A	A	C	C	B
HCM2kAvgQ:	4	1	0	0	10	10	0	0	0	10	10	1

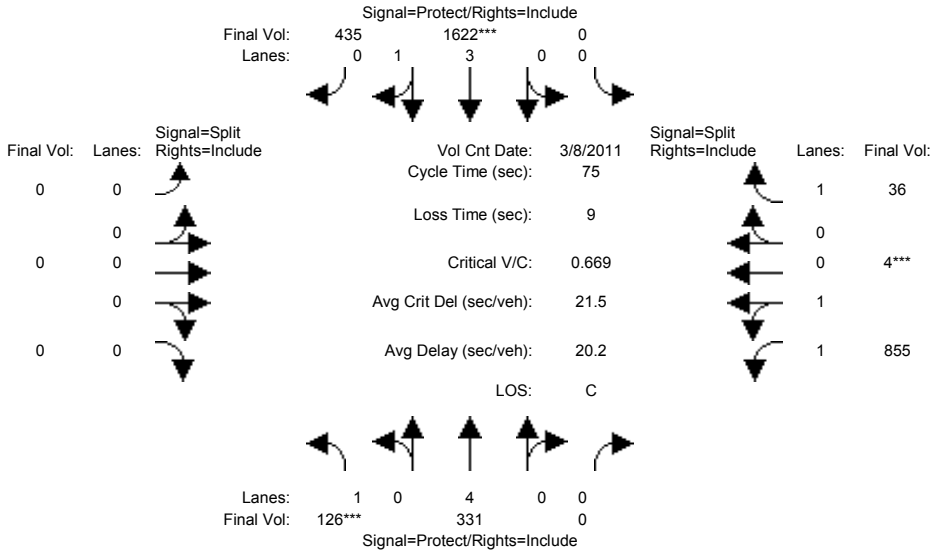
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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: 8 Mar 2011 <<												
Base Vol:	126	331	0	0	1622	435	0	0	0	847	4	36
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:	126	331	0	0	1622	435	0	0	0	847	4	36
Added Vol:	0	0	0	0	0	0	0	0	0	8	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	126	331	0	0	1622	435	0	0	0	855	4	36
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:	126	331	0	0	1622	435	0	0	0	855	4	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	331	0	0	1622	435	0	0	0	855	4	36
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:	126	331	0	0	1622	435	0	0	0	855	4	36
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	0.95	0.92	1.00	0.92	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.12	0.88	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5911	1585	0	0	0	3533	17	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.00	0.00	0.27	0.27	0.00	0.00	0.00	0.24	0.24	0.02
Crit Moves:	****				****						****	
Green Time:	8.1	38.9	0.0	0.0	30.8	30.8	0.0	0.0	0.0	27.1	27.1	27.1
Volume/Cap:	0.67	0.08	0.00	0.00	0.67	0.67	0.00	0.00	0.00	0.67	0.67	0.06
Delay/Veh:	49.4	9.1	0.0	0.0	19.1	19.1	0.0	0.0	0.0	22.9	22.9	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:	49.4	9.1	0.0	0.0	19.1	19.1	0.0	0.0	0.0	22.9	22.9	15.8
LOS by Move:	D	A	A	A	B	B	A	A	A	C	C	B
HCM2kAvgQ:	4	1	0	0	10	10	0	0	0	10	10	1

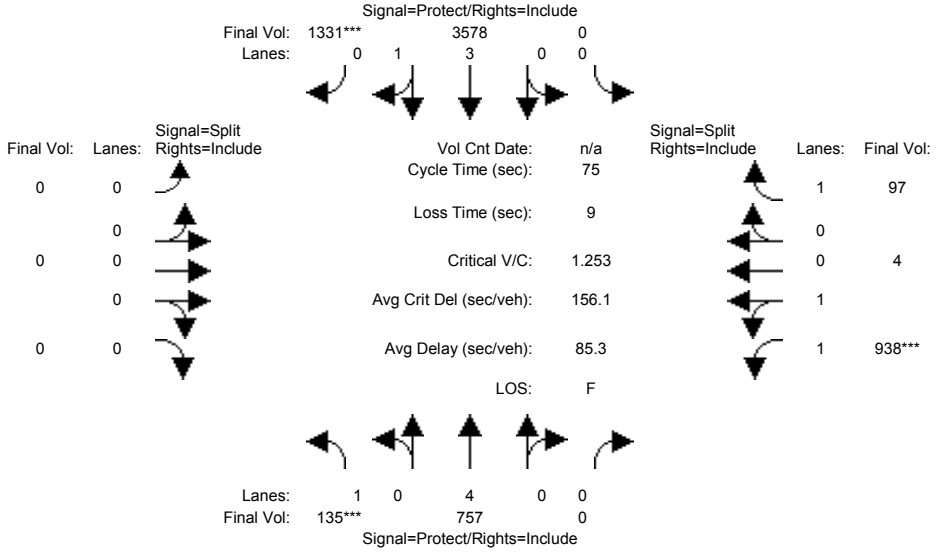
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	135	757	0	0	3578	1331	0	0	0	938	4	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:	135	757	0	0	3578	1331	0	0	0	938	4	97
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:	135	757	0	0	3578	1331	0	0	0	938	4	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:	135	757	0	0	3578	1331	0	0	0	938	4	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	757	0	0	3578	1331	0	0	0	938	4	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:	135	757	0	0	3578	1331	0	0	0	938	4	97
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3535	15	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.10	0.00	0.00	0.63	0.76	0.00	0.00	0.00	0.27	0.27	0.06
Crit Moves:	****					****				****		
Green Time:	7.0	50.7	0.0	0.0	43.7	43.7	0.0	0.0	0.0	15.3	15.3	15.3
Volume/Cap:	0.83	0.15	0.00	0.00	1.08	1.30	0.00	0.00	0.00	1.30	1.30	0.27
Delay/Veh:	69.4	4.4	0.0	0.0	54.9	154.5	0.0	0.0	0.0	176.7	177	27.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	69.4	4.4	0.0	0.0	54.9	154.5	0.0	0.0	0.0	176.7	177	27.1
LOS by Move:	E	A	A	A	D	F	A	A	A	F	F	C
HCM2kAvgQ:	6	2	0	0	37	73	0	0	0	29	29	2

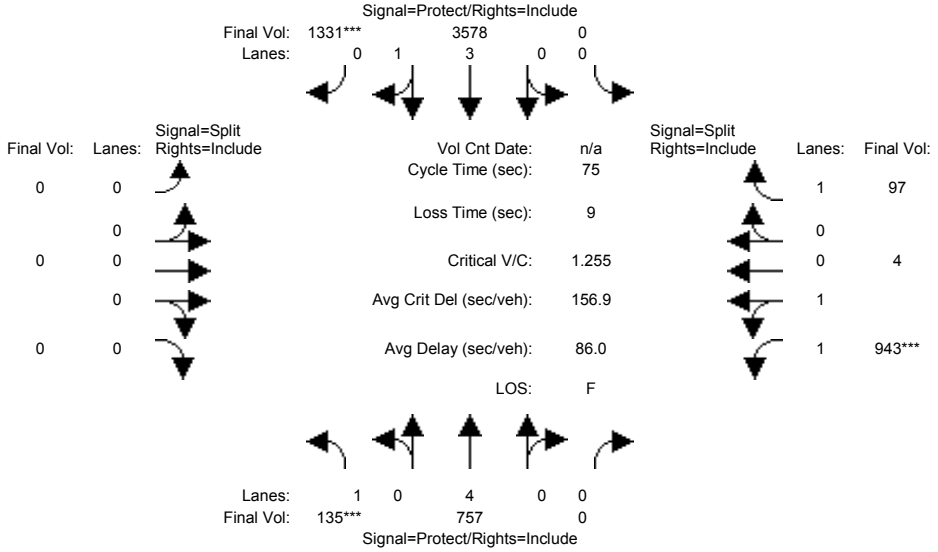
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	135	757	0	0	3578	1331	0	0	0	938	4	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:	135	757	0	0	3578	1331	0	0	0	938	4	97
Added Vol:	0	0	0	0	0	0	0	0	0	5	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	757	0	0	3578	1331	0	0	0	943	4	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:	135	757	0	0	3578	1331	0	0	0	943	4	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	757	0	0	3578	1331	0	0	0	943	4	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:	135	757	0	0	3578	1331	0	0	0	943	4	97
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3535	15	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.10	0.00	0.00	0.63	0.76	0.00	0.00	0.00	0.27	0.27	0.06
Crit Moves:	****					****				****		
Green Time:	7.0	50.7	0.0	0.0	43.7	43.7	0.0	0.0	0.0	15.3	15.3	15.3
Volume/Cap:	0.83	0.15	0.00	0.00	1.08	1.31	0.00	0.00	0.00	1.31	1.31	0.27
Delay/Veh:	69.4	4.4	0.0	0.0	55.5	155.3	0.0	0.0	0.0	177.4	177	27.0
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:	69.4	4.4	0.0	0.0	55.5	155.3	0.0	0.0	0.0	177.4	177	27.0
LOS by Move:	E	A	A	A	E	F	A	A	A	F	F	C
HCM2kAvgQ:	6	2	0	0	37	73	0	0	0	29	29	2

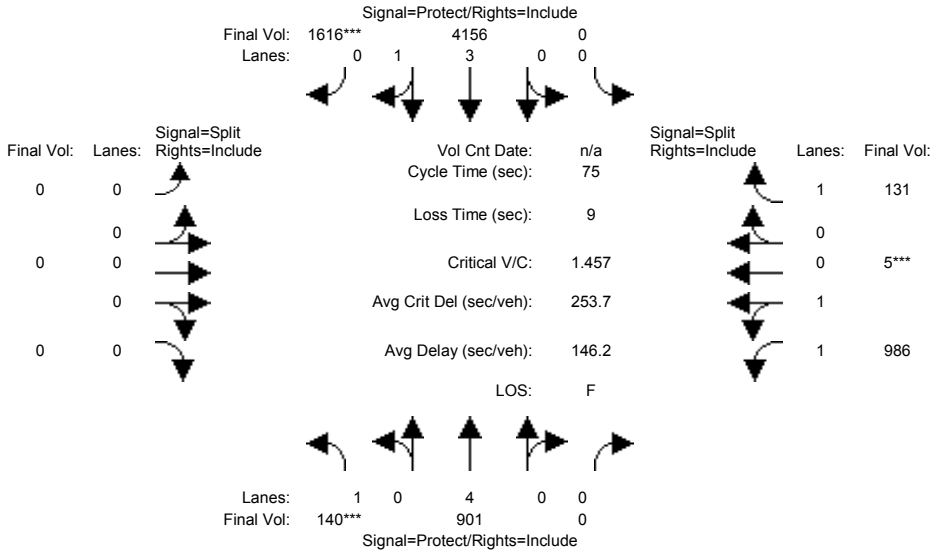
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	140	901	0	0	4156	1616	0	0	0	986	5	131
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	901	0	0	4156	1616	0	0	0	986	5	131
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	901	0	0	4156	1616	0	0	0	986	5	131
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	901	0	0	4156	1616	0	0	0	986	5	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	901	0	0	4156	1616	0	0	0	986	5	131
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	140	901	0	0	4156	1616	0	0	0	986	5	131
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3532	18	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.12	0.00	0.00	0.73	0.92	0.00	0.00	0.00	0.28	0.28	0.07
Crit Moves:	****					****					****	
Green Time:	7.0	52.3	0.0	0.0	45.3	45.3	0.0	0.0	0.0	13.7	13.7	13.7
Volume/Cap:	0.86	0.17	0.00	0.00	1.21	1.53	0.00	0.00	0.00	1.53	1.53	0.41
Delay/Veh:	74.1	4.0	0.0	0.0	110	254.1	0.0	0.0	0.0	276.3	276	30.9
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:	74.1	4.0	0.0	0.0	110	254.1	0.0	0.0	0.0	276.3	276	30.9
LOS by Move:	E	A	A	A	F	F	A	A	A	F	F	C
HCM2kAvgQ:	6	2	0	0	59	113	0	0	0	37	37	3

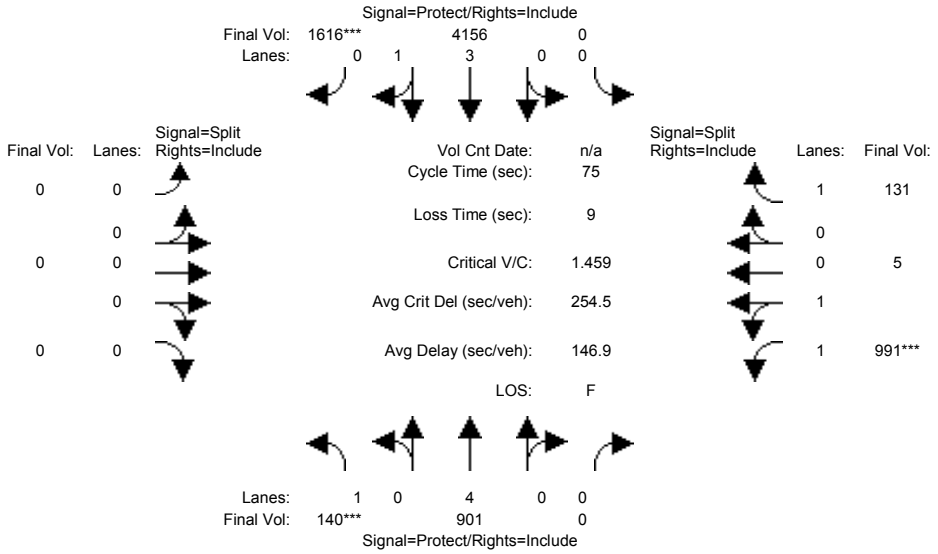
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #16: Mathilda Ave & CA237 WB Ramps



Street Name:	Mathilda Ave						CA237 WB Ramps					
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	0	0	10	10	0	0	0	10	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:												
Base Vol:	140	901	0	0	4156	1616	0	0	0	986	5	131
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	901	0	0	4156	1616	0	0	0	986	5	131
Added Vol:	0	0	0	0	0	0	0	0	0	5	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	901	0	0	4156	1616	0	0	0	991	5	131
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	901	0	0	4156	1616	0	0	0	991	5	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	901	0	0	4156	1616	0	0	0	991	5	131
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	140	901	0	0	4156	1616	0	0	0	991	5	131
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	0.93	0.95	0.92
Lanes:	1.00	4.00	0.00	0.00	3.00	1.00	0.00	0.00	0.00	1.99	0.01	1.00
Final Sat.:	1750	7600	0	0	5700	1750	0	0	0	3532	18	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.12	0.00	0.00	0.73	0.92	0.00	0.00	0.00	0.28	0.28	0.07
Crit Moves:	****					****				****		
Green Time:	7.0	52.3	0.0	0.0	45.3	45.3	0.0	0.0	0.0	13.7	13.7	13.7
Volume/Cap:	0.86	0.17	0.00	0.00	1.21	1.53	0.00	0.00	0.00	1.53	1.53	0.41
Delay/Veh:	74.1	4.0	0.0	0.0	111	255.0	0.0	0.0	0.0	277.1	277	30.9
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:	74.1	4.0	0.0	0.0	111	255.0	0.0	0.0	0.0	277.1	277	30.9
LOS by Move:	E	A	A	A	F	F	A	A	A	F	F	C
HCM2kAvgQ:	6	2	0	0	59	113	0	0	0	37	37	3

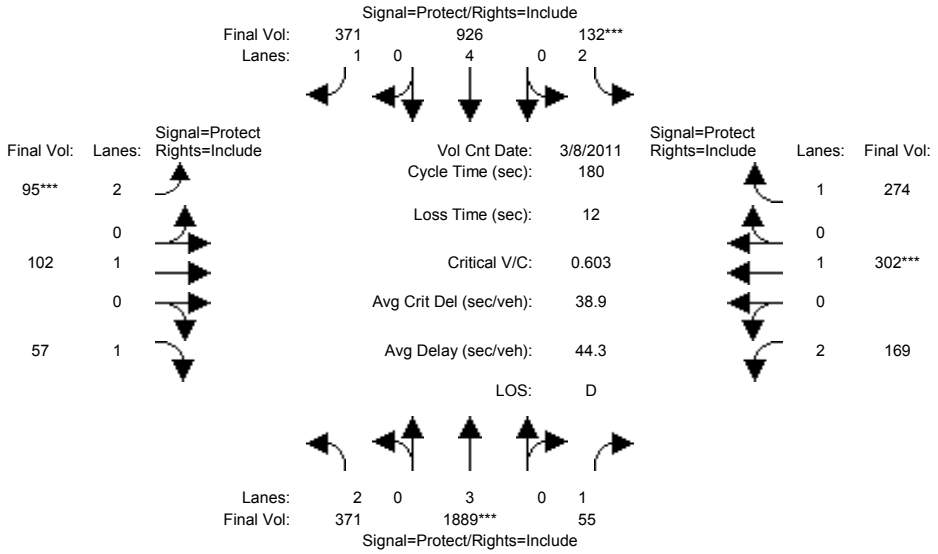
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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: 8 Mar 2011 <<												
Base Vol:	371	1889	55	132	926	371	95	102	57	169	302	274
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:	371	1889	55	132	926	371	95	102	57	169	302	274
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:	371	1889	55	132	926	371	95	102	57	169	302	274
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:	371	1889	55	132	926	371	95	102	57	169	302	274
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	371	1889	55	132	926	371	95	102	57	169	302	274
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:	371	1889	55	132	926	371	95	102	57	169	302	274
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:	0.12	0.33	0.03	0.04	0.12	0.21	0.03	0.05	0.03	0.05	0.16	0.16
Crit Moves:		****		****			****				****	
Green Time:	39.8	99.0	99.0	12.5	71.7	71.7	9.0	28.7	28.7	27.8	47.5	47.5
Volume/Cap:	0.53	0.60	0.06	0.60	0.31	0.53	0.60	0.34	0.20	0.35	0.60	0.59
Delay/Veh:	64.8	28.1	18.9	93.0	37.4	44.3	99.6	70.1	67.3	70.0	63.3	63.4
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:	64.8	28.1	18.9	93.0	37.4	44.3	99.6	70.1	67.3	70.0	63.3	63.4
LOS by Move:	E	C	B	F	D	D	F	E	E	E	E	E
HCM2kAvgQ:	11	23	1	5	8	16	4	5	3	5	15	14

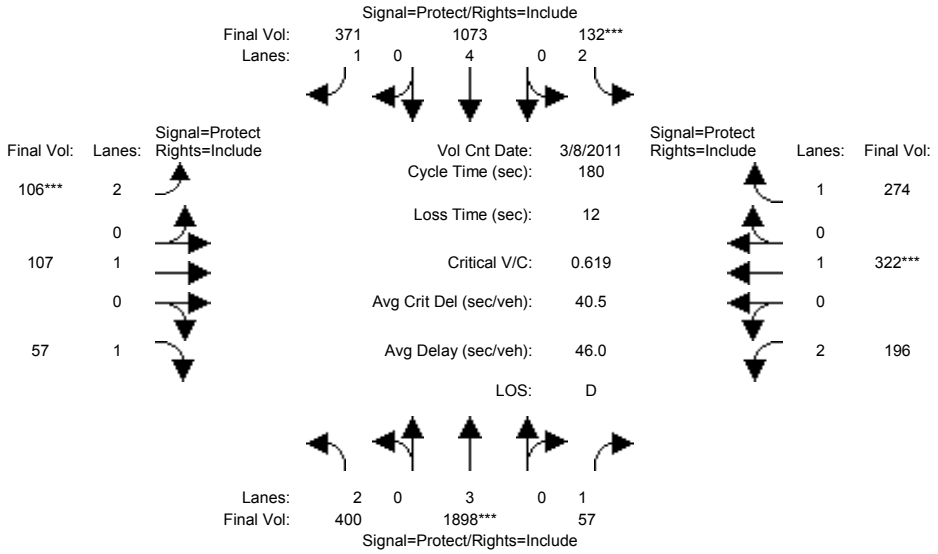
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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: 8 Mar 2011 <<												
Base Vol:	371	1889	55	132	926	371	95	102	57	169	302	274
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:	371	1889	55	132	926	371	95	102	57	169	302	274
Added Vol:	29	9	2	0	147	0	11	5	0	27	20	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	400	1898	57	132	1073	371	106	107	57	196	322	274
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:	400	1898	57	132	1073	371	106	107	57	196	322	274
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	400	1898	57	132	1073	371	106	107	57	196	322	274
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:	400	1898	57	132	1073	371	106	107	57	196	322	274
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:	0.13	0.33	0.03	0.04	0.14	0.21	0.03	0.06	0.03	0.06	0.17	0.16
Crit Moves:		****		****			****				****	
Green Time:	40.8	96.8	96.8	12.2	68.1	68.1	9.8	28.0	28.0	31.0	49.3	49.3
Volume/Cap:	0.56	0.62	0.06	0.62	0.37	0.56	0.62	0.36	0.21	0.36	0.62	0.57
Delay/Veh:	64.8	29.8	20.0	94.4	40.8	47.5	99.0	71.4	68.0	67.6	62.6	61.2
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:	64.8	29.8	20.0	94.4	40.8	47.5	99.0	71.4	68.0	67.6	62.6	61.2
LOS by Move:	E	C	C	F	D	D	F	E	E	E	E	E
HCM2kAvgQ:	12	24	2	5	10	17	4	5	3	6	16	14

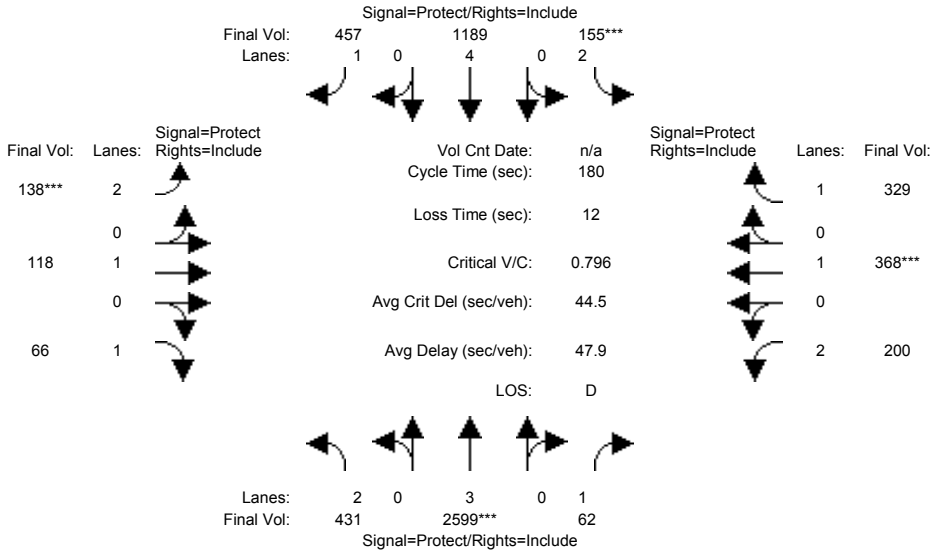
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	431	2599	62	155	1189	457	138	118	66	200	368	329
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:	431	2599	62	155	1189	457	138	118	66	200	368	329
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:	431	2599	62	155	1189	457	138	118	66	200	368	329
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:	431	2599	62	155	1189	457	138	118	66	200	368	329
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	431	2599	62	155	1189	457	138	118	66	200	368	329
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:	431	2599	62	155	1189	457	138	118	66	200	368	329
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	0.46	0.04	0.05	0.16	0.26	0.04	0.06	0.04	0.06	0.19	0.19
Crit Moves:		****		****			****				****	
Green Time:	39.3	103	103.1	11.1	75.0	75.0	9.9	26.6	26.6	27.2	43.8	43.8
Volume/Cap:	0.63	0.80	0.06	0.80	0.38	0.63	0.80	0.42	0.26	0.42	0.80	0.77
Delay/Veh:	68.0	32.3	17.1	111.0	36.7	45.5	114.4	74.3	70.3	72.0	77.1	76.2
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:	68.0	32.3	17.1	111.0	36.7	45.5	114.4	74.3	70.3	72.0	77.1	76.2
LOS by Move:	E	C	B	F	D	D	F	E	E	E	E	E
HCM2kAvgQ:	13	37	2	7	11	21	6	6	4	6	20	19

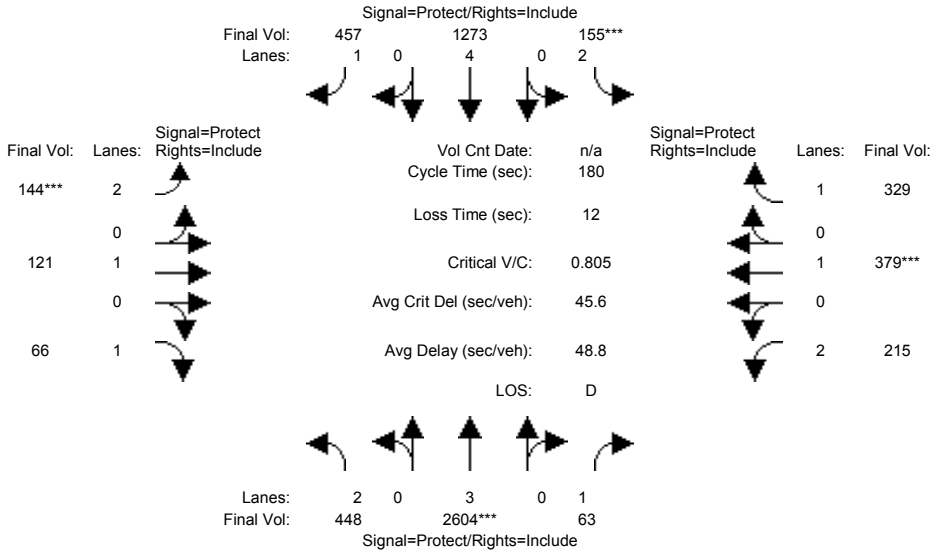
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	431	2599	62	155	1189	457	138	118	66	200	368	329
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:	431	2599	62	155	1189	457	138	118	66	200	368	329
Added Vol:	17	5	1	0	84	0	6	3	0	15	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	448	2604	63	155	1273	457	144	121	66	215	379	329
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:	448	2604	63	155	1273	457	144	121	66	215	379	329
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	448	2604	63	155	1273	457	144	121	66	215	379	329
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:	448	2604	63	155	1273	457	144	121	66	215	379	329
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	0.46	0.04	0.05	0.17	0.26	0.05	0.06	0.04	0.07	0.20	0.19
Crit Moves:		****		****			****				****	
Green Time:	39.9	102	102.2	11.0	73.3	73.3	10.2	26.5	26.5	28.4	44.6	44.6
Volume/Cap:	0.64	0.80	0.06	0.80	0.41	0.64	0.80	0.43	0.26	0.43	0.80	0.76
Delay/Veh:	68.0	33.2	17.6	112.4	38.4	47.2	114.6	74.8	70.4	71.3	77.3	74.5
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:	68.0	33.2	17.6	112.4	38.4	47.2	114.6	74.8	70.4	71.3	77.3	74.5
LOS by Move:	E	C	B	F	D	D	F	E	E	E	E	E
HCM2kAvgQ:	14	38	2	7	12	22	7	6	4	7	21	19

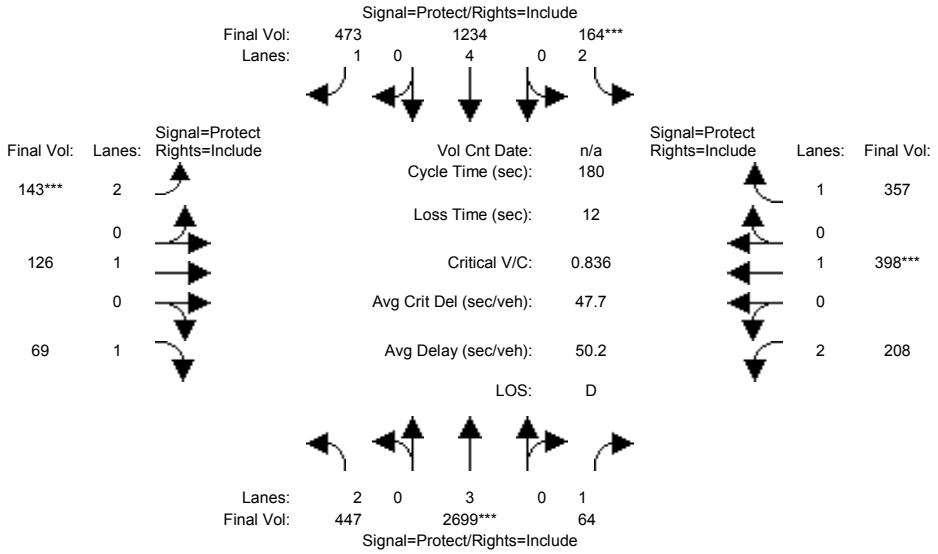
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	447	2699	64	164	1234	473	143	126	69	208	398	357
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:	447	2699	64	164	1234	473	143	126	69	208	398	357
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:	447	2699	64	164	1234	473	143	126	69	208	398	357
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:	447	2699	64	164	1234	473	143	126	69	208	398	357
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	447	2699	64	164	1234	473	143	126	69	208	398	357
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:	447	2699	64	164	1234	473	143	126	69	208	398	357
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	0.47	0.04	0.05	0.16	0.27	0.05	0.07	0.04	0.07	0.21	0.20
Crit Moves:		****		****			****				****	
Green Time:	38.9	102	101.9	11.2	74.2	74.2	9.8	27.5	27.5	27.4	45.1	45.1
Volume/Cap:	0.66	0.84	0.06	0.84	0.39	0.66	0.84	0.43	0.26	0.43	0.84	0.81
Delay/Veh:	69.3	34.9	17.7	116.0	37.5	47.2	120.4	73.9	69.6	72.1	79.8	78.7
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:	69.3	34.9	17.7	116.0	37.5	47.2	120.4	73.9	69.6	72.1	79.8	78.7
LOS by Move:	E	C	B	F	D	D	F	E	E	E	E	E
HCM2kAvgQ:	14	41	2	7	11	22	7	6	4	6	23	22

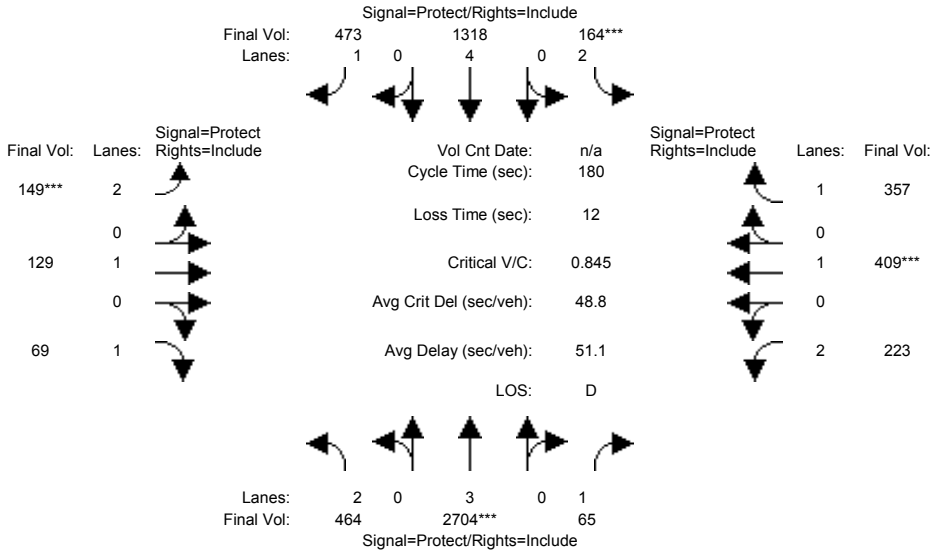
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	447	2699	64	164	1234	473	143	126	69	208	398	357
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:	447	2699	64	164	1234	473	143	126	69	208	398	357
Added Vol:	17	5	1	0	84	0	6	3	0	15	11	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	464	2704	65	164	1318	473	149	129	69	223	409	357
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:	464	2704	65	164	1318	473	149	129	69	223	409	357
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	464	2704	65	164	1318	473	149	129	69	223	409	357
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:	464	2704	65	164	1318	473	149	129	69	223	409	357
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:	0.15	0.47	0.04	0.05	0.17	0.27	0.05	0.07	0.04	0.07	0.22	0.20
Crit Moves:		****		****			****				****	
Green Time:	39.5	101	101.0	11.1	72.6	72.6	10.1	27.4	27.4	28.5	45.8	45.8
Volume/Cap:	0.67	0.85	0.07	0.85	0.43	0.67	0.85	0.45	0.26	0.45	0.85	0.80
Delay/Veh:	69.4	35.9	18.1	117.7	39.2	49.0	120.8	74.4	69.7	71.5	80.2	76.9
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:	69.4	35.9	18.1	117.7	39.2	49.0	120.8	74.4	69.7	71.5	80.2	76.9
LOS by Move:	E	D	B	F	D	D	F	E	E	E	F	E
HCM2kAvgQ:	15	42	2	7	13	23	7	7	4	7	23	21

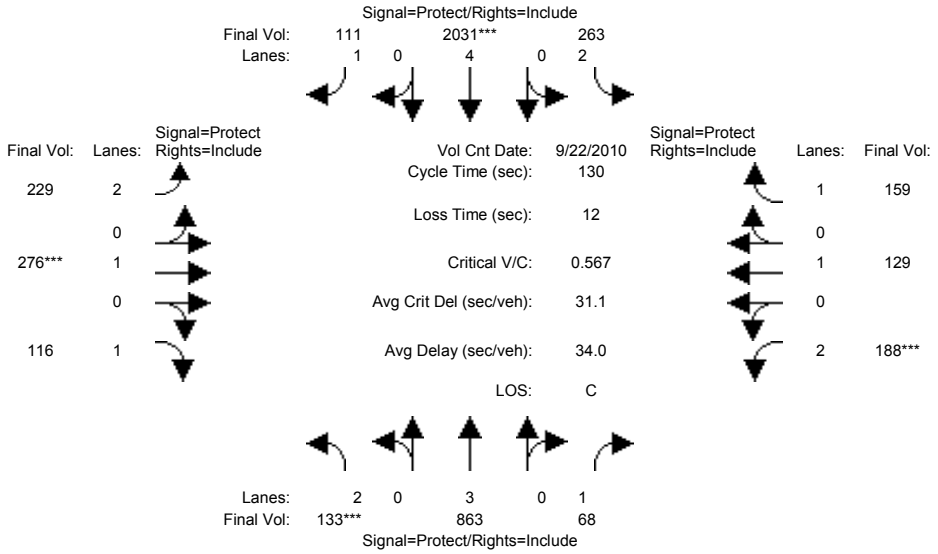
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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: 22 Sep 2010 << PM												
Base Vol:	130	841	66	250	1927	105	206	248	104	177	121	149
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:	130	841	66	250	1927	105	206	248	104	177	121	149
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:	130	841	66	250	1927	105	206	248	104	177	121	149
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.98	0.98	0.98	0.95	0.95	0.95	0.90	0.90	0.90	0.94	0.94	0.94
PHF Volume:	133	863	68	263	2031	111	229	276	116	188	129	159
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	863	68	263	2031	111	229	276	116	188	129	159
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:	133	863	68	263	2031	111	229	276	116	188	129	159
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	0.15	0.04	0.08	0.27	0.06	0.07	0.15	0.07	0.06	0.07	0.09
Crit Moves:	****				****			****		****		
Green Time:	9.7	45.7	45.7	25.3	61.3	61.3	20.9	33.3	33.3	13.7	26.1	26.1
Volume/Cap:	0.57	0.43	0.11	0.43	0.57	0.13	0.45	0.57	0.26	0.57	0.34	0.45
Delay/Veh:	61.3	32.3	28.5	46.5	25.0	19.5	50.0	43.7	38.8	57.6	45.1	46.6
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:	61.3	32.3	28.5	46.5	25.0	19.5	50.0	43.7	38.8	57.6	45.1	46.6
LOS by Move:	E	C	C	D	C	B	D	D	D	E	D	D
HCM2kAvgQ:	4	9	2	6	14	3	5	10	4	5	4	6

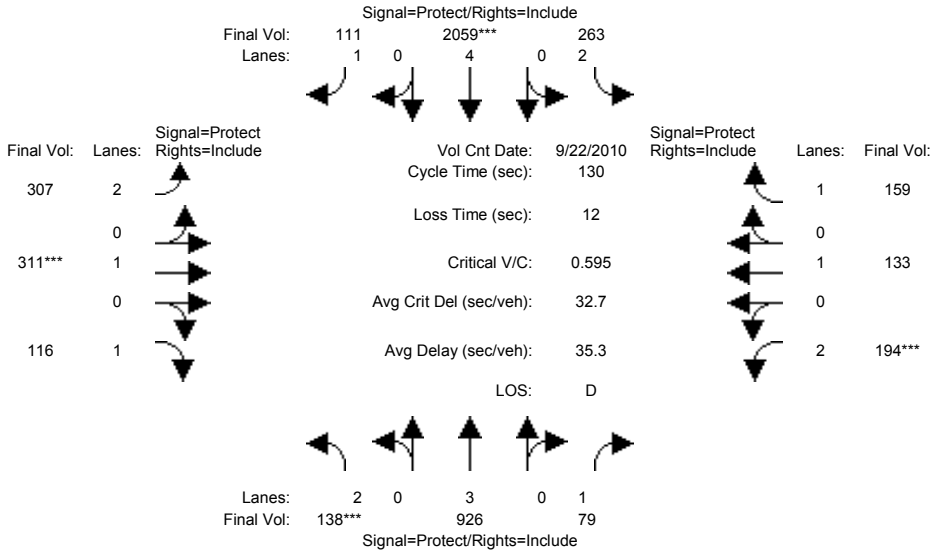
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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: 22 Sep 2010 << PM												
Base Vol:	130	841	66	250	1927	105	206	248	104	177	121	149
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:	130	841	66	250	1927	105	206	248	104	177	121	149
Added Vol:	5	62	11	0	27	0	70	32	0	5	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	903	77	250	1954	105	276	280	104	182	125	149
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.98	0.98	0.98	0.95	0.95	0.95	0.90	0.90	0.90	0.94	0.94	0.94
PHF Volume:	138	926	79	263	2059	111	307	311	116	194	133	159
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	138	926	79	263	2059	111	307	311	116	194	133	159
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:	138	926	79	263	2059	111	307	311	116	194	133	159
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	0.16	0.05	0.08	0.27	0.06	0.10	0.16	0.07	0.06	0.07	0.09
Crit Moves:	****				****			****		****		
Green Time:	9.6	45.4	45.4	23.4	59.2	59.2	25.5	35.8	35.8	13.4	23.7	23.7
Volume/Cap:	0.60	0.47	0.13	0.47	0.60	0.14	0.50	0.60	0.24	0.60	0.38	0.50
Delay/Veh:	62.5	33.0	28.9	48.3	26.7	20.7	47.2	42.7	36.8	58.7	47.4	49.0
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:	62.5	33.0	28.9	48.3	26.7	20.7	47.2	42.7	36.8	58.7	47.4	49.0
LOS by Move:	E	C	C	D	C	C	D	D	D	E	D	D
HCM2kAvgQ:	4	10	2	6	15	3	7	11	4	5	5	7

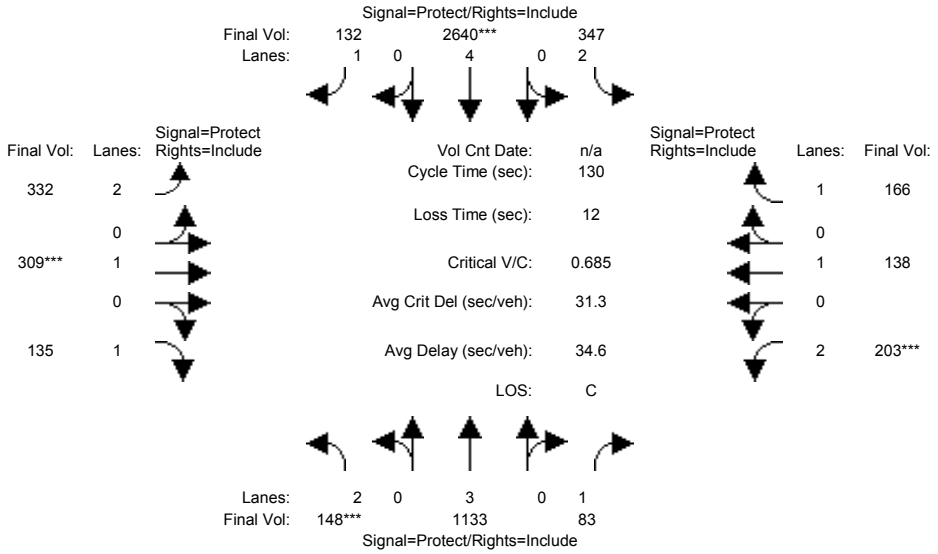
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	148	1133	83	347	2640	132	332	309	135	203	138	166
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	1133	83	347	2640	132	332	309	135	203	138	166
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:	148	1133	83	347	2640	132	332	309	135	203	138	166
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	1133	83	347	2640	132	332	309	135	203	138	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	1133	83	347	2640	132	332	309	135	203	138	166
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	1133	83	347	2640	132	332	309	135	203	138	166
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150	5700	1750	3150	7600	1750	3150	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.20	0.05	0.11	0.35	0.08	0.11	0.16	0.08	0.06	0.07	0.09
Crit Moves:	****				****			****		****		
Green Time:	8.9	48.2	48.2	26.7	66.0	66.0	22.7	30.9	30.9	12.2	20.4	20.4
Volume/Cap:	0.68	0.54	0.13	0.54	0.68	0.15	0.60	0.68	0.32	0.68	0.46	0.60
Delay/Veh:	67.9	32.4	27.1	47.0	24.7	17.1	51.4	49.5	41.4	63.5	50.9	54.8
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:	67.9	32.4	27.1	47.0	24.7	17.1	51.4	49.5	41.4	63.5	50.9	54.8
LOS by Move:	E	C	C	D	C	B	D	D	D	E	D	D
HCM2kAvgQ:	5	12	2	8	20	3	8	12	5	6	5	7

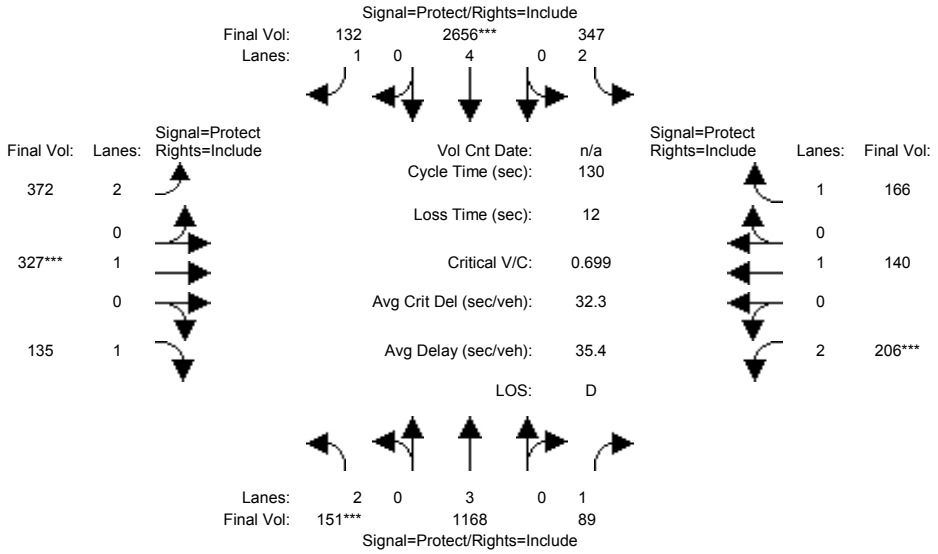
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	148	1133	83	347	2640	132	332	309	135	203	138	166
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	1133	83	347	2640	132	332	309	135	203	138	166
Added Vol:	3	35	6	0	16	0	40	18	0	3	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	151	1168	89	347	2656	132	372	327	135	206	140	166
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	1168	89	347	2656	132	372	327	135	206	140	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	151	1168	89	347	2656	132	372	327	135	206	140	166
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	1168	89	347	2656	132	372	327	135	206	140	166
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150	5700	1750	3150	7600	1750	3150	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.20	0.05	0.11	0.35	0.08	0.12	0.17	0.08	0.07	0.07	0.09
Crit Moves:	****				****			****		****		
Green Time:	8.9	48.0	48.0	25.8	65.0	65.0	24.5	32.0	32.0	12.2	19.7	19.7
Volume/Cap:	0.70	0.55	0.14	0.55	0.70	0.15	0.63	0.70	0.31	0.70	0.49	0.63
Delay/Veh:	69.0	32.8	27.3	48.0	25.6	17.7	50.7	49.3	40.5	64.4	51.9	56.4
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:	69.0	32.8	27.3	48.0	25.6	17.7	50.7	49.3	40.5	64.4	51.9	56.4
LOS by Move:	E	C	C	D	C	B	D	D	D	E	D	E
HCM2kAvgQ:	5	12	2	8	21	3	9	13	5	6	6	8

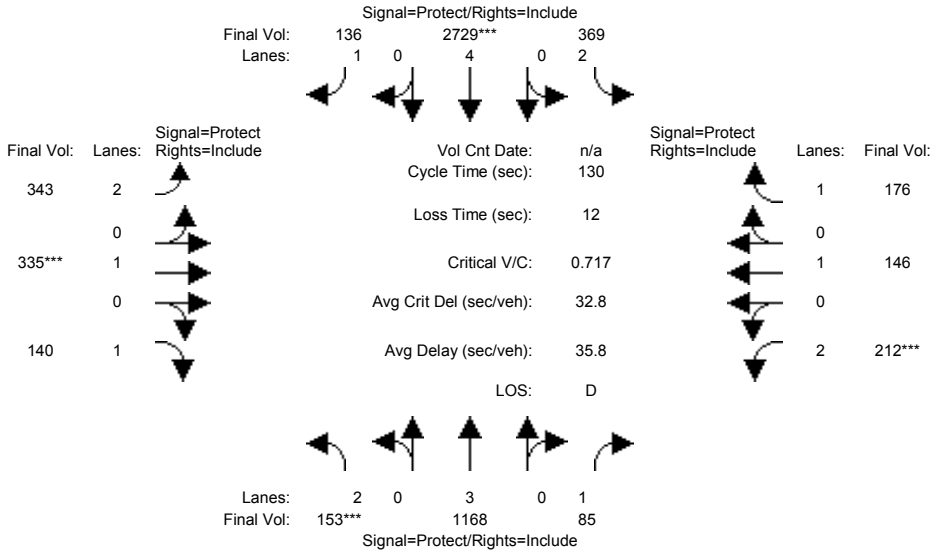
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	153	1168	85	369	2729	136	343	335	140	212	146	176
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:	153	1168	85	369	2729	136	343	335	140	212	146	176
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:	153	1168	85	369	2729	136	343	335	140	212	146	176
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:	153	1168	85	369	2729	136	343	335	140	212	146	176
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	153	1168	85	369	2729	136	343	335	140	212	146	176
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:	153	1168	85	369	2729	136	343	335	140	212	146	176
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150	5700	1750	3150	7600	1750	3150	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.20	0.05	0.12	0.36	0.08	0.11	0.18	0.08	0.07	0.08	0.10
Crit Moves:	****				****			****		****		
Green Time:	8.8	47.0	47.0	26.9	65.1	65.1	22.9	31.9	31.9	12.2	21.2	21.2
Volume/Cap:	0.72	0.57	0.13	0.57	0.72	0.16	0.62	0.72	0.33	0.72	0.47	0.62
Delay/Veh:	70.5	33.7	27.9	47.5	26.0	17.7	51.6	50.2	40.6	65.4	50.5	54.7
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:	70.5	33.7	27.9	47.5	26.0	17.7	51.6	50.2	40.6	65.4	50.5	54.7
LOS by Move:	E	C	C	D	C	B	D	D	D	E	D	D
HCM2kAvgQ:	5	13	2	8	22	3	8	13	5	6	6	8

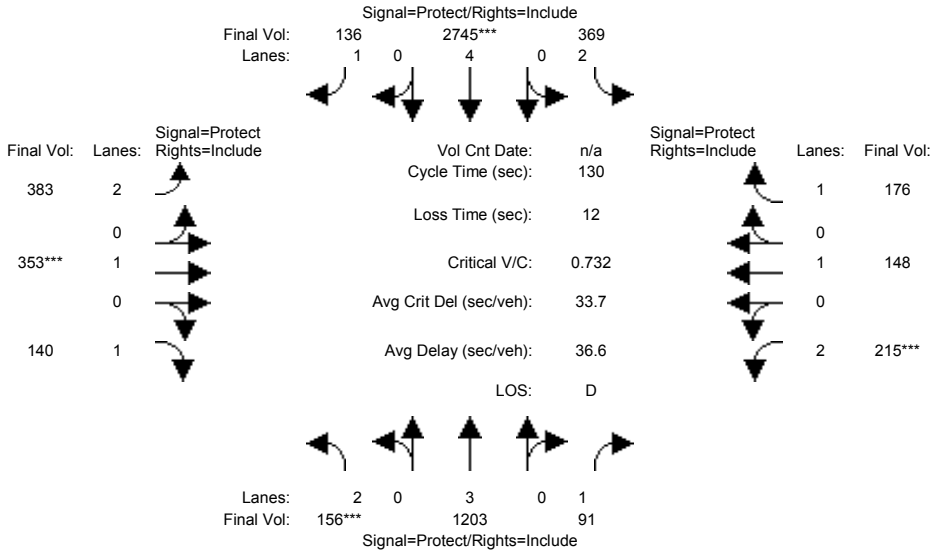
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #18: Mathilda/ Maude



Street Name:	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:	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:												
Base Vol:	153	1168	85	369	2729	136	343	335	140	212	146	176
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:	153	1168	85	369	2729	136	343	335	140	212	146	176
Added Vol:	3	35	6	0	16	0	40	18	0	3	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	156	1203	91	369	2745	136	383	353	140	215	148	176
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	1203	91	369	2745	136	383	353	140	215	148	176
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	1203	91	369	2745	136	383	353	140	215	148	176
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:	156	1203	91	369	2745	136	383	353	140	215	148	176
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	3150	5700	1750	3150	7600	1750	3150	1900	1750	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.21	0.05	0.12	0.36	0.08	0.12	0.19	0.08	0.07	0.08	0.10
Crit Moves:	****				****			****		****		
Green Time:	8.8	46.9	46.9	26.0	64.1	64.1	24.7	33.0	33.0	12.1	20.4	20.4
Volume/Cap:	0.73	0.59	0.14	0.59	0.73	0.16	0.64	0.73	0.32	0.73	0.50	0.64
Delay/Veh:	71.7	34.1	28.1	48.5	26.9	18.2	50.9	50.2	39.8	66.5	51.4	56.4
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:	71.7	34.1	28.1	48.5	26.9	18.2	50.9	50.2	39.8	66.5	51.4	56.4
LOS by Move:	E	C	C	D	C	B	D	D	D	E	D	E
HCM2kAvgQ:	5	13	3	9	22	3	9	14	5	7	6	8

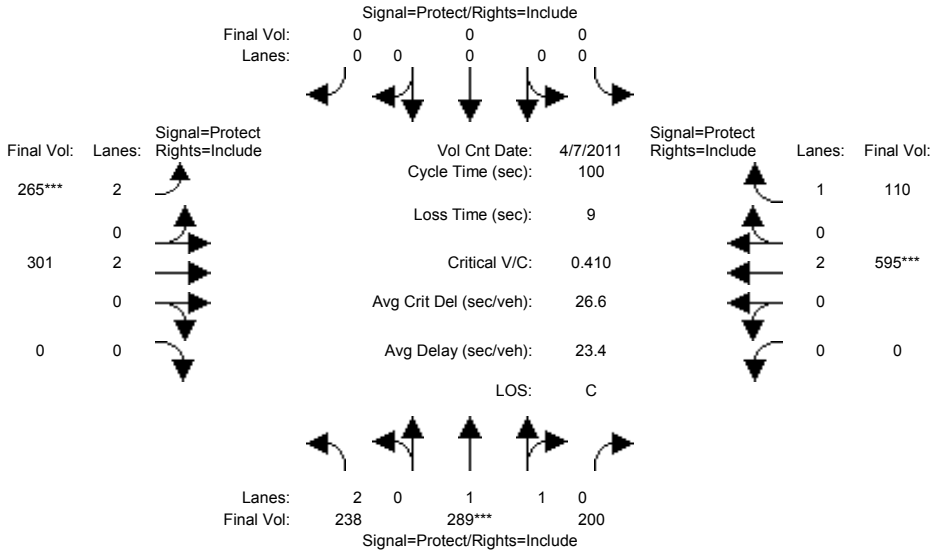
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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 Apr 2011 <<												
Base Vol:	238	289	200	0	0	0	265	301	0	0	595	110
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:	238	289	200	0	0	0	265	301	0	0	595	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:	238	289	200	0	0	0	265	301	0	0	595	110
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:	238	289	200	0	0	0	265	301	0	0	595	110
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	238	289	200	0	0	0	265	301	0	0	595	110
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:	238	289	200	0	0	0	265	301	0	0	595	110
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.16	0.84	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2186	1513	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.13	0.13	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0.16	0.06
Crit Moves:		****					****				****	
Green Time:	32.3	32.3	32.3	0.0	0.0	0.0	20.5	58.7	0.0	0.0	38.2	38.2
Volume/Cap:	0.23	0.41	0.41	0.00	0.00	0.00	0.41	0.13	0.00	0.00	0.41	0.16
Delay/Veh:	24.9	26.7	26.7	0.0	0.0	0.0	34.9	9.3	0.0	0.0	22.8	20.5
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:	24.9	26.7	26.7	0.0	0.0	0.0	34.9	9.3	0.0	0.0	22.8	20.5
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	3	6	6	0	0	0	4	2	0	0	7	2

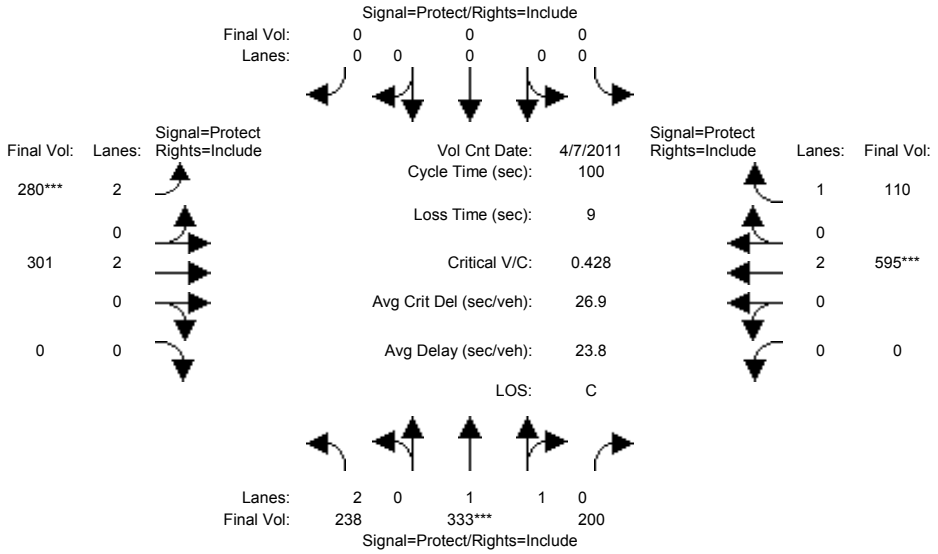
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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 Apr 2011 <<												
Base Vol:	238	289	200	0	0	0	265	301	0	0	595	110
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:	238	289	200	0	0	0	265	301	0	0	595	110
Added Vol:	0	44	0	0	0	0	15	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	238	333	200	0	0	0	280	301	0	0	595	110
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:	238	333	200	0	0	0	280	301	0	0	595	110
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	238	333	200	0	0	0	280	301	0	0	595	110
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:	238	333	200	0	0	0	280	301	0	0	595	110
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.23	0.77	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2311	1388	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.14	0.14	0.00	0.00	0.00	0.09	0.08	0.00	0.00	0.16	0.06
Crit Moves:		****					****				****	
Green Time:	33.7	33.7	33.7	0.0	0.0	0.0	20.8	57.3	0.0	0.0	36.6	36.6
Volume/Cap:	0.22	0.43	0.43	0.00	0.00	0.00	0.43	0.14	0.00	0.00	0.43	0.17
Delay/Veh:	23.9	25.9	25.9	0.0	0.0	0.0	34.9	9.9	0.0	0.0	24.1	21.6
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:	23.9	25.9	25.9	0.0	0.0	0.0	34.9	9.9	0.0	0.0	24.1	21.6
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	3	7	7	0	0	0	4	2	0	0	7	2

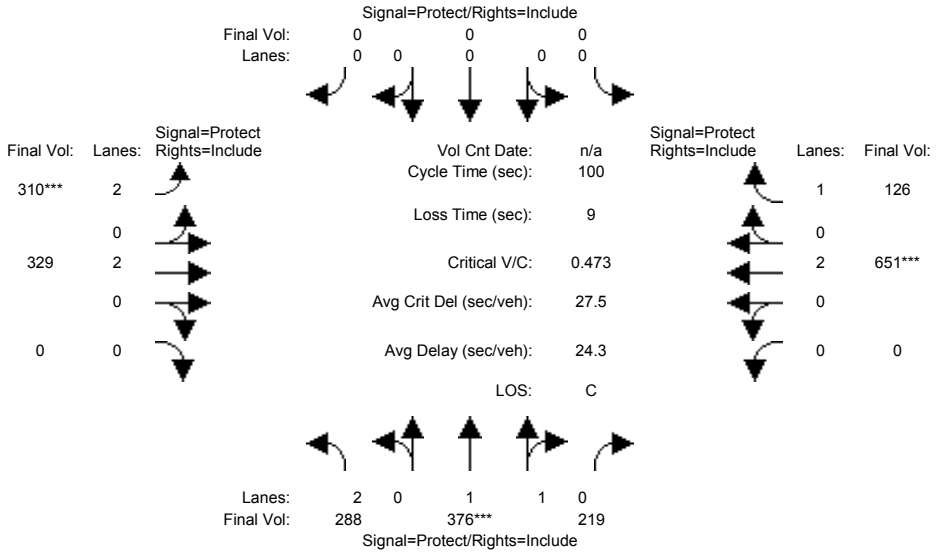
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	288	376	219	0	0	0	310	329	0	0	651	126
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:	288	376	219	0	0	0	310	329	0	0	651	126
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:	288	376	219	0	0	0	310	329	0	0	651	126
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:	288	376	219	0	0	0	310	329	0	0	651	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	288	376	219	0	0	0	310	329	0	0	651	126
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:	288	376	219	0	0	0	310	329	0	0	651	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.24	0.76	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2337	1361	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.16	0.16	0.00	0.00	0.00	0.10	0.09	0.00	0.00	0.17	0.07
Crit Moves:		****					****				****	
Green Time:	34.0	34.0	34.0	0.0	0.0	0.0	20.8	57.0	0.0	0.0	36.2	36.2
Volume/Cap:	0.27	0.47	0.47	0.00	0.00	0.00	0.47	0.15	0.00	0.00	0.47	0.20
Delay/Veh:	24.1	26.2	26.2	0.0	0.0	0.0	35.3	10.2	0.0	0.0	24.8	22.1
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:	24.1	26.2	26.2	0.0	0.0	0.0	35.3	10.2	0.0	0.0	24.8	22.1
LOS by Move:	C	C	C	A	A	A	D	B	A	A	C	C
HCM2kAvgQ:	4	8	8	0	0	0	5	2	0	0	8	3

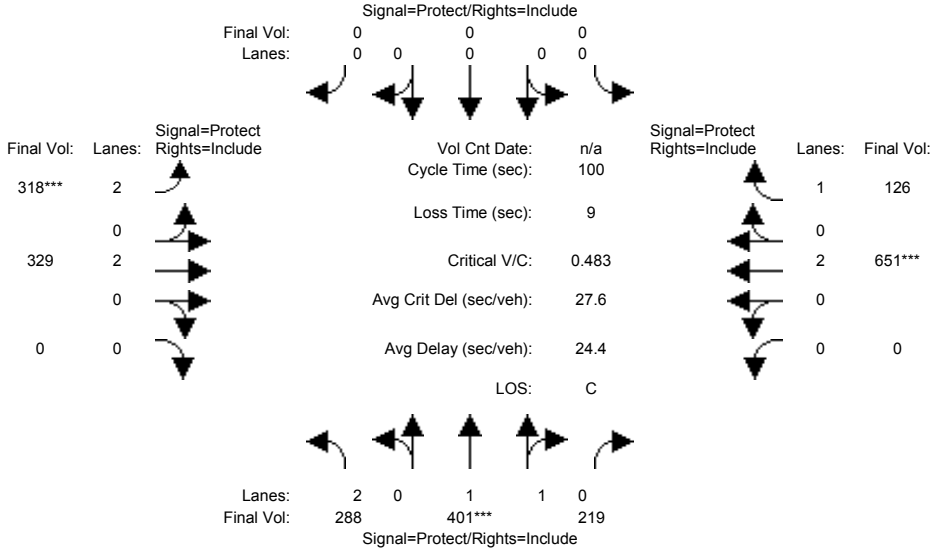
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	288	376	219	0	0	0	310	329	0	0	651	126
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:	288	376	219	0	0	0	310	329	0	0	651	126
Added Vol:	0	25	0	0	0	0	8	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	288	401	219	0	0	0	318	329	0	0	651	126
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:	288	401	219	0	0	0	318	329	0	0	651	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	288	401	219	0	0	0	318	329	0	0	651	126
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:	288	401	219	0	0	0	318	329	0	0	651	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.27	0.73	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2392	1306	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.17	0.17	0.00	0.00	0.00	0.10	0.09	0.00	0.00	0.17	0.07
Crit Moves:		****					****				****	
Green Time:	34.7	34.7	34.7	0.0	0.0	0.0	20.9	56.3	0.0	0.0	35.4	35.4
Volume/Cap:	0.26	0.48	0.48	0.00	0.00	0.00	0.48	0.15	0.00	0.00	0.48	0.20
Delay/Veh:	23.6	25.9	25.9	0.0	0.0	0.0	35.4	10.5	0.0	0.0	25.4	22.6
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:	23.6	25.9	25.9	0.0	0.0	0.0	35.4	10.5	0.0	0.0	25.4	22.6
LOS by Move:	C	C	C	A	A	A	D	B	A	A	C	C
HCM2kAvgQ:	4	8	8	0	0	0	5	2	0	0	8	3

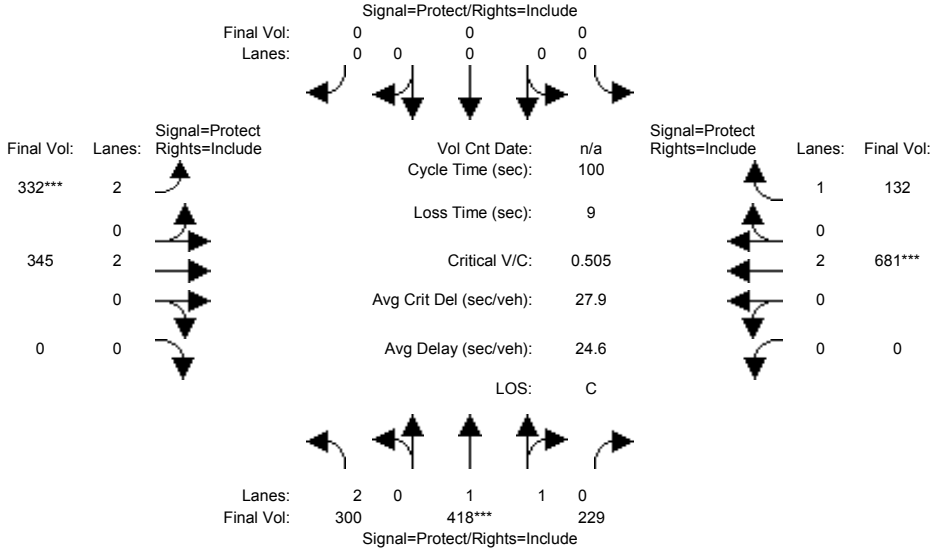
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	300	418	229	0	0	0	332	345	0	0	681	132
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:	300	418	229	0	0	0	332	345	0	0	681	132
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:	300	418	229	0	0	0	332	345	0	0	681	132
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:	300	418	229	0	0	0	332	345	0	0	681	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	300	418	229	0	0	0	332	345	0	0	681	132
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:	300	418	229	0	0	0	332	345	0	0	681	132
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.27	0.73	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2389	1309	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.17	0.17	0.00	0.00	0.00	0.11	0.09	0.00	0.00	0.18	0.08
Crit Moves:		****					****				****	
Green Time:	34.6	34.6	34.6	0.0	0.0	0.0	20.9	56.4	0.0	0.0	35.5	35.5
Volume/Cap:	0.27	0.50	0.50	0.00	0.00	0.00	0.50	0.16	0.00	0.00	0.50	0.21
Delay/Veh:	23.7	26.2	26.2	0.0	0.0	0.0	35.6	10.5	0.0	0.0	25.7	22.7
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:	23.7	26.2	26.2	0.0	0.0	0.0	35.6	10.5	0.0	0.0	25.7	22.7
LOS by Move:	C	C	C	A	A	A	D	B	A	A	C	C
HCM2kAvgQ:	4	8	8	0	0	0	5	2	0	0	8	3

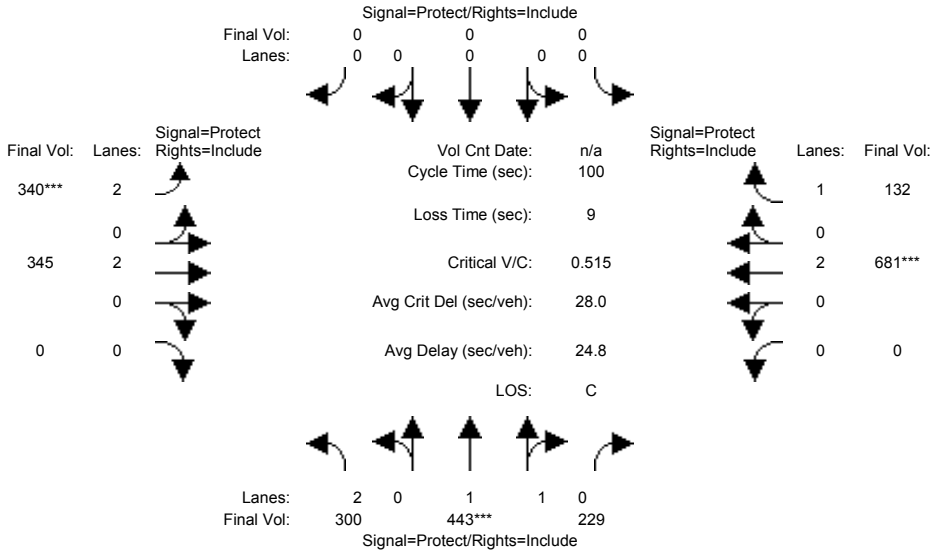
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	300	418	229	0	0	0	332	345	0	0	681	132
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:	300	418	229	0	0	0	332	345	0	0	681	132
Added Vol:	0	25	0	0	0	0	8	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	300	443	229	0	0	0	340	345	0	0	681	132
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:	300	443	229	0	0	0	340	345	0	0	681	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	300	443	229	0	0	0	340	345	0	0	681	132
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:	300	443	229	0	0	0	340	345	0	0	681	132
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.30	0.70	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2438	1260	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.10	0.18	0.18	0.00	0.00	0.00	0.11	0.09	0.00	0.00	0.18	0.08
Crit Moves:		****					****				****	
Green Time:	35.3	35.3	35.3	0.0	0.0	0.0	21.0	55.7	0.0	0.0	34.8	34.8
Volume/Cap:	0.27	0.52	0.52	0.00	0.00	0.00	0.52	0.16	0.00	0.00	0.52	0.22
Delay/Veh:	23.3	26.0	26.0	0.0	0.0	0.0	35.7	10.8	0.0	0.0	26.3	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:	23.3	26.0	26.0	0.0	0.0	0.0	35.7	10.8	0.0	0.0	26.3	23.2
LOS by Move:	C	C	C	A	A	A	D	B	A	A	C	C
HCM2kAvgQ:	4	9	9	0	0	0	5	2	0	0	9	3

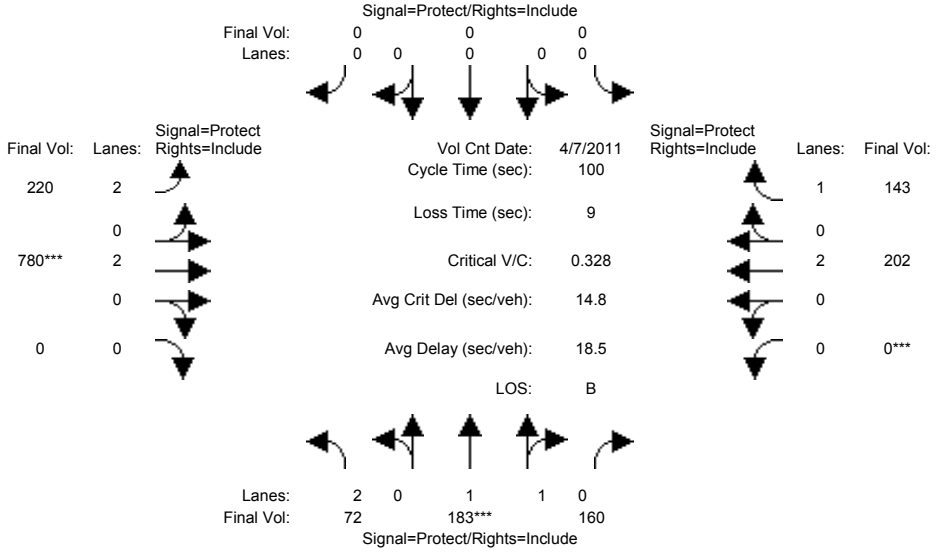
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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 Apr 2011 <<												
Base Vol:	72	183	160	0	0	0	220	780	0	0	202	143
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:	72	183	160	0	0	0	220	780	0	0	202	143
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:	72	183	160	0	0	0	220	780	0	0	202	143
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:	72	183	160	0	0	0	220	780	0	0	202	143
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	72	183	160	0	0	0	220	780	0	0	202	143
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:	72	183	160	0	0	0	220	780	0	0	202	143
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.04	0.96	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	1973	1725	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.09	0.09	0.00	0.00	0.00	0.07	0.21	0.00	0.00	0.05	0.08
Crit Moves:		****						****		****		
Green Time:	28.3	28.3	28.3	0.0	0.0	0.0	25.8	62.7	0.0	0.0	36.9	36.9
Volume/Cap:	0.08	0.33	0.33	0.00	0.00	0.00	0.27	0.33	0.00	0.00	0.14	0.22
Delay/Veh:	26.3	28.5	28.5	0.0	0.0	0.0	29.8	8.8	0.0	0.0	21.1	21.9
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:	26.3	28.5	28.5	0.0	0.0	0.0	29.8	8.8	0.0	0.0	21.1	21.9
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	1	4	4	0	0	0	3	5	0	0	2	3

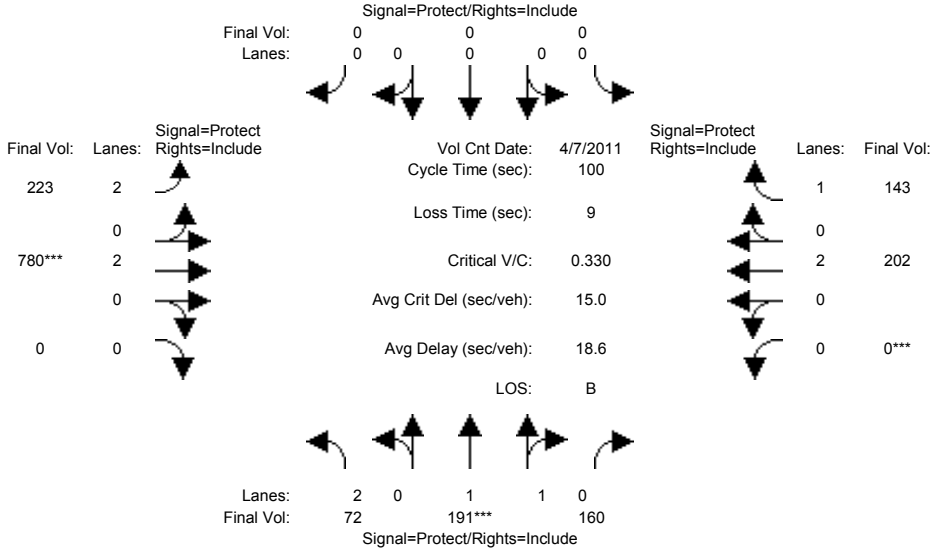
Note: Queue reported is the number of cars per lane.

 Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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 Apr 2011 <<												
Base Vol:	72	183	160	0	0	0	220	780	0	0	202	143
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:	72	183	160	0	0	0	220	780	0	0	202	143
Added Vol:	0	8	0	0	0	0	3	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	72	191	160	0	0	0	223	780	0	0	202	143
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:	72	191	160	0	0	0	223	780	0	0	202	143
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	72	191	160	0	0	0	223	780	0	0	202	143
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:	72	191	160	0	0	0	223	780	0	0	202	143
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.06	0.94	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2012	1686	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.09	0.09	0.00	0.00	0.00	0.07	0.21	0.00	0.00	0.05	0.08
Crit Moves:		****						****		****		
Green Time:	28.8	28.8	28.8	0.0	0.0	0.0	25.8	62.2	0.0	0.0	36.4	36.4
Volume/Cap:	0.08	0.33	0.33	0.00	0.00	0.00	0.27	0.33	0.00	0.00	0.15	0.22
Delay/Veh:	26.0	28.2	28.2	0.0	0.0	0.0	29.8	9.1	0.0	0.0	21.4	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:	26.0	28.2	28.2	0.0	0.0	0.0	29.8	9.1	0.0	0.0	21.4	22.2
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	1	4	4	0	0	0	3	6	0	0	2	3

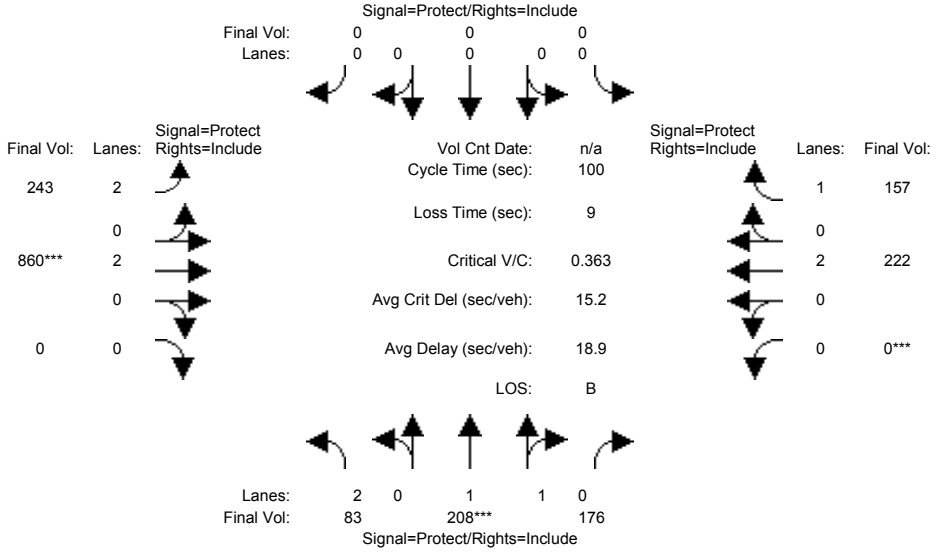
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	83	208	176	0	0	0	243	860	0	0	222	157
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:	83	208	176	0	0	0	243	860	0	0	222	157
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:	83	208	176	0	0	0	243	860	0	0	222	157
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:	83	208	176	0	0	0	243	860	0	0	222	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	208	176	0	0	0	243	860	0	0	222	157
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:	83	208	176	0	0	0	243	860	0	0	222	157
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.06	0.94	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2003	1695	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.10	0.10	0.00	0.00	0.00	0.08	0.23	0.00	0.00	0.06	0.09
Crit Moves:		****						****		****		
Green Time:	28.6	28.6	28.6	0.0	0.0	0.0	27.2	62.4	0.0	0.0	35.2	35.2
Volume/Cap:	0.09	0.36	0.36	0.00	0.00	0.00	0.28	0.36	0.00	0.00	0.17	0.25
Delay/Veh:	26.2	28.6	28.6	0.0	0.0	0.0	28.9	9.2	0.0	0.0	22.3	23.3
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:	26.2	28.6	28.6	0.0	0.0	0.0	28.9	9.2	0.0	0.0	22.3	23.3
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	1	5	5	0	0	0	3	6	0	0	2	4

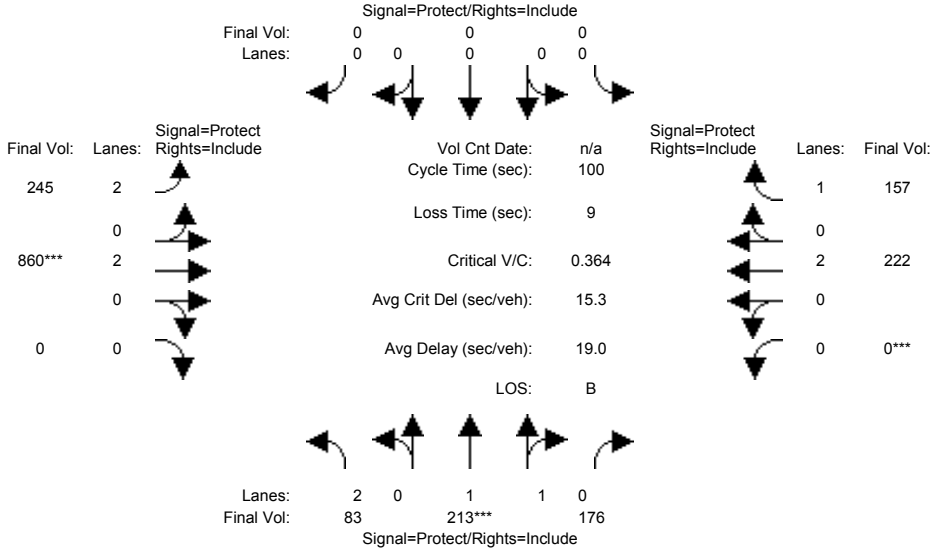
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	83	208	176	0	0	0	243	860	0	0	222	157
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:	83	208	176	0	0	0	243	860	0	0	222	157
Added Vol:	0	5	0	0	0	0	2	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	83	213	176	0	0	0	245	860	0	0	222	157
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:	83	213	176	0	0	0	245	860	0	0	222	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	213	176	0	0	0	245	860	0	0	222	157
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:	83	213	176	0	0	0	245	860	0	0	222	157
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.07	0.93	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2025	1673	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.11	0.11	0.00	0.00	0.00	0.08	0.23	0.00	0.00	0.06	0.09
Crit Moves:		****						****		****		
Green Time:	28.9	28.9	28.9	0.0	0.0	0.0	27.2	62.1	0.0	0.0	34.9	34.9
Volume/Cap:	0.09	0.36	0.36	0.00	0.00	0.00	0.29	0.36	0.00	0.00	0.17	0.26
Delay/Veh:	26.0	28.5	28.5	0.0	0.0	0.0	28.9	9.4	0.0	0.0	22.5	23.5
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:	26.0	28.5	28.5	0.0	0.0	0.0	28.9	9.4	0.0	0.0	22.5	23.5
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	1	5	5	0	0	0	3	6	0	0	2	4

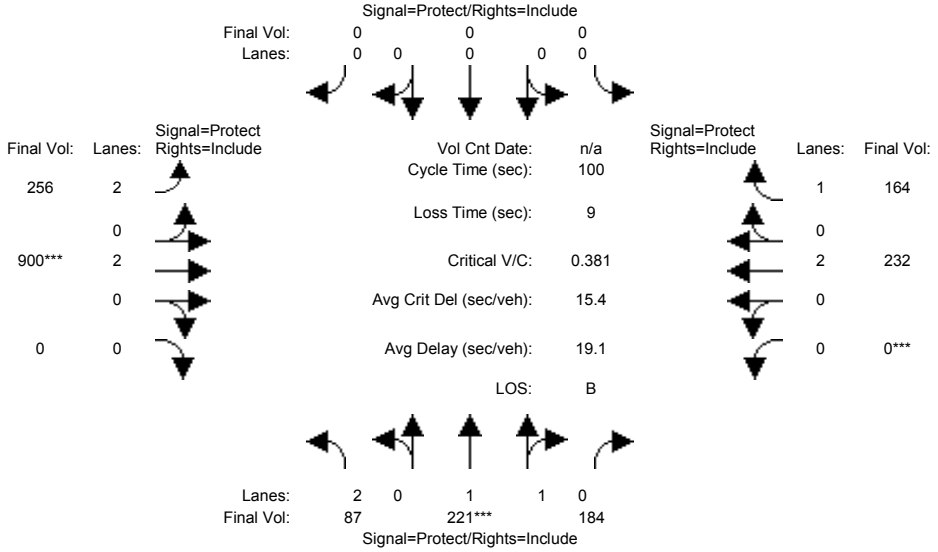
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	87	221	184	0	0	0	256	900	0	0	232	164
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:	87	221	184	0	0	0	256	900	0	0	232	164
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:	87	221	184	0	0	0	256	900	0	0	232	164
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:	87	221	184	0	0	0	256	900	0	0	232	164
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	221	184	0	0	0	256	900	0	0	232	164
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:	87	221	184	0	0	0	256	900	0	0	232	164
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.07	0.93	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2018	1680	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.11	0.11	0.00	0.00	0.00	0.08	0.24	0.00	0.00	0.06	0.09
Crit Moves:		****						****		****		
Green Time:	28.8	28.8	28.8	0.0	0.0	0.0	27.9	62.2	0.0	0.0	34.3	34.3
Volume/Cap:	0.10	0.38	0.38	0.00	0.00	0.00	0.29	0.38	0.00	0.00	0.18	0.27
Delay/Veh:	26.1	28.7	28.7	0.0	0.0	0.0	28.5	9.5	0.0	0.0	23.0	24.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	26.1	28.7	28.7	0.0	0.0	0.0	28.5	9.5	0.0	0.0	23.0	24.0
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	1	5	5	0	0	0	4	7	0	0	2	4

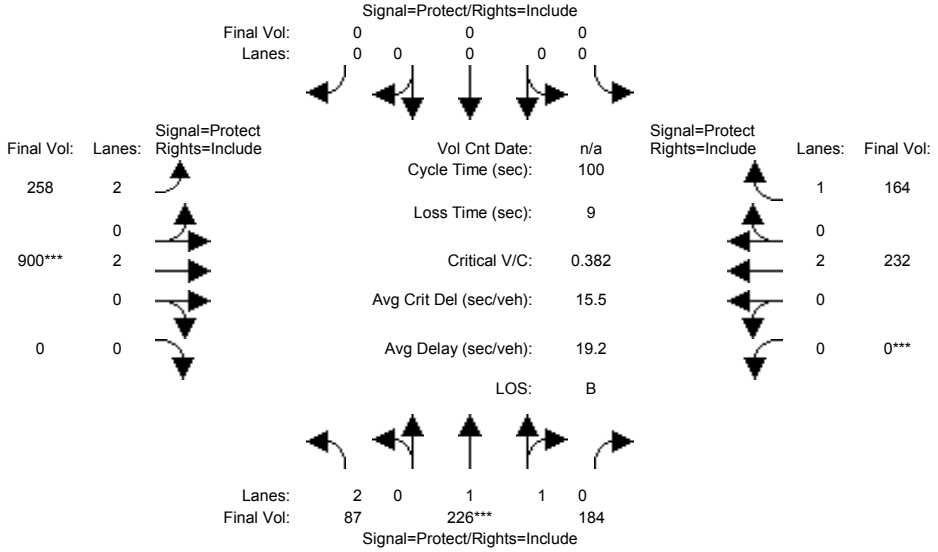
Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose

433 N Mathilda Office Development
City of Sunnyvale

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

Intersection #111: CA 237 Service Rd (E) & Middlefield Rd



Street Name:	CA 237 Service Rd (E)						Middlefield 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	0	0	0	7	10	0	0	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:												
Base Vol:	87	221	184	0	0	0	256	900	0	0	232	164
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:	87	221	184	0	0	0	256	900	0	0	232	164
Added Vol:	0	5	0	0	0	0	2	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	87	226	184	0	0	0	258	900	0	0	232	164
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:	87	226	184	0	0	0	258	900	0	0	232	164
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	226	184	0	0	0	258	900	0	0	232	164
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:	87	226	184	0	0	0	258	900	0	0	232	164
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.95	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	1.08	0.92	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	3150	2038	1659	0	0	0	3150	3800	0	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.11	0.11	0.00	0.00	0.00	0.08	0.24	0.00	0.00	0.06	0.09
Crit Moves:		****						****		****		
Green Time:	29.0	29.0	29.0	0.0	0.0	0.0	27.9	62.0	0.0	0.0	34.1	34.1
Volume/Cap:	0.10	0.38	0.38	0.00	0.00	0.00	0.29	0.38	0.00	0.00	0.18	0.28
Delay/Veh:	26.0	28.6	28.6	0.0	0.0	0.0	28.5	9.6	0.0	0.0	23.2	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:	26.0	28.6	28.6	0.0	0.0	0.0	28.5	9.6	0.0	0.0	23.2	24.2
LOS by Move:	C	C	C	A	A	A	C	A	A	A	C	C
HCM2kAvgQ:	1	5	5	0	0	0	4	7	0	0	2	4

Note: Queue reported is the number of cars per lane.

Copyright (c) 2008 Dowling Associates, Inc. Licensed to Hexagon Trans., San Jose