
 Scenario Report

Scenario: PM
 Command: Default Command
 Volume: PM
 Geometry: Default Geometry
 Impact Fee: Default Impact Fee
 Trip Generation: Default Trip Generation
 Trip Distribution: Default Trip Distribution
 Paths: Default Path
 Routes: Default Route
 Configuration: Default Configuration

 Impact Analysis Report
 Level Of Service

Intersection		Base			Future		Change
		Del/	V/		Del/	V/	
		LOS	Veh		LOS	Veh	in
# 1 Miller Cr/Marinwood	B	10.7	0.412	B	10.7	0.412	+ 0.000 V/C
# 2 Miller Cr/Las Gallinas	A	9.5	0.320	A	9.5	0.320	+ 0.000 V/C
# 3 Miller Cr/Elvia Ct	A	8.3	0.222	A	8.3	0.222	+ 0.000 V/C
# 4 Las Gallinas/Lucas Valley	C	22.5	0.320	C	22.5	0.320	+ 0.000 D/V
# 5 Miller Cr/Marinwood A1	B	10.7	0.412	B	10.7	0.412	+ 0.000 V/C
# 6 Miller Cr/Las Gallinas A1	B	10.6	0.438	B	10.6	0.438	+ 0.000 V/C
# 7 Miller Cr/Elvia Ct A1	A	8.1	0.217	A	8.1	0.217	+ 0.000 V/C
# 9 Miller Cr/Marinwood A2	B	12.1	0.598	B	12.1	0.598	+ 0.000 V/C
# 10 Miller Cr/Las Gallinas A2	A	9.2	0.276	A	9.2	0.276	+ 0.000 V/C
# 11 Miller Cr/Elvia Ct A2	A	8.3	0.222	A	8.3	0.222	+ 0.000 V/C
# 12 Las Gallinas/Lucas Valley A2	C	22.5	0.320	C	22.5	0.320	+ 0.000 D/V

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #1 1. Miller Cr/Marinwood

Cycle (sec): 100 Critical Vol./Cap.(X): 0.412
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 10.7
Optimal Cycle: 0 Level Of Service: B

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign), Rights (Include), Min. Green, Lanes.

Volume Module table with 12 columns for movements and 12 rows for metrics: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module table with 12 columns for movements and 4 rows for metrics: Adjustment, Lanes, Final Sat.

Capacity Analysis Module table with 12 columns for movements and 12 rows for metrics: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ.

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

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #2 2. Miller Cr/Las Gallinas

Cycle (sec): 100 Critical Vol./Cap.(X): 0.320
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 9.5
Optimal Cycle: 0 Level Of Service: A

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign), Rights (Include), Min. Green, Lanes.

Volume Module table with 12 columns for movements and 12 rows for metrics: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module table with 12 columns for movements and 4 rows for metrics: Adjustment, Lanes, Final Sat.

Capacity Analysis Module table with 12 columns for movements and 12 rows for metrics: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ.

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

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #3 3. Miller Cr/Elvia Ct

Cycle (sec): 100 Critical Vol./Cap.(X): 0.222
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 8.3
 Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	0	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	23	148	11	8	116	11	16	2	53	11	0	2
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:	23	148	11	8	116	11	16	2	53	11	0	2
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:	23	148	11	8	116	11	16	2	53	11	0	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	148	11	8	116	11	16	2	53	11	0	2
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:	23	148	11	8	116	11	16	2	53	11	0	2

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.13	0.81	0.06	1.00	0.91	0.09	0.22	0.03	0.75	0.85	0.00	0.15
Final Sat.:	103	665	49	668	681	65	181	23	599	600	0	109

Capacity Analysis Module:

Vol/Sat:	0.22	0.22	0.22	0.01	0.17	0.17	0.09	0.09	0.09	0.02	xxxx	0.02
Crit Moves:	****						****			****		
Delay/Veh:	8.5	8.5	8.5	8.1	8.4	8.4	7.6	7.6	7.6	7.8	0.0	7.8
Delay Adj:	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:	8.5	8.5	8.5	8.1	8.4	8.4	7.6	7.6	7.6	7.8	0.0	7.8
LOS by Move:	A	A	A	A	A	A	A	A	A	A	*	A
ApproachDel:	8.5			8.4			7.6			7.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.5			8.4			7.6			7.8		
LOS by Appr:	A			A			A			A		
AllWayAvgQ:	0.3	0.3	0.3	0.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0

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

Level Of Service Computation Report
 2000 HCM Operations Method (Base Volume Alternative)

 Intersection #4 Las Gallinas/Lucas Valley Rd

Cycle (sec): 90 Critical Vol./Cap.(X): 0.320
 Loss Time (sec): 4 (Y+R=2.0 sec) Average Delay (sec/veh): 22.5
 Optimal Cycle: 20 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	8	0	0	8	0	0	8	0	0	8	0	0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	141	109	92	59	99	34	22	321	81	96	364	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:	141	109	92	59	99	34	22	321	81	96	364	72
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	0.96	0.96	0.00	0.96	0.96	0.00	0.96	0.96	0.00	0.96	0.96	0.00
PHF Volume:	147	114	0	61	103	0	23	334	0	100	379	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	147	114	0	61	103	0	23	334	0	100	379	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	147	114	0	61	103	0	23	334	0	100	379	0

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1805	1900	1900	1805	1900	1900	1805	1900	1900	1805	1900	1900

Capacity Analysis Module:

Vol/Sat:	0.08	0.06	0.00	0.03	0.05	0.00	0.01	0.18	0.00	0.06	0.20	0.00
Crit Moves:	****			****			****			****		
Green/Cycle:	0.17	0.18	0.00	0.10	0.11	0.00	0.09	0.45	0.00	0.23	0.59	0.00
Volume/Cap:	0.47	0.34	0.00	0.34	0.52	0.00	0.14	0.39	0.00	0.24	0.34	0.00
UniformDel:	33.6	32.5	0.0	37.7	38.1	0.0	37.8	16.5	0.0	28.4	9.5	0.0
IncrementDel:	1.1	0.6	0.0	1.1	2.4	0.0	0.4	0.3	0.0	0.3	0.2	0.0
InitQueueDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Delay/Veh:	34.7	33.1	0.0	38.8	40.5	0.0	38.2	16.8	0.0	28.7	9.7	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:	34.7	33.1	0.0	38.8	40.5	0.0	38.2	16.8	0.0	28.7	9.7	0.0
LOS by Move:	C	C	A	D	D	A	D	B	A	C	A	A
HCM2kAvgQ:	4	3	0	2	3	0	1	6	0	2	5	0

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

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #5 5. Miller Cr/Marinwood Alt 1
Cycle (sec): 100 Critical Vol./Cap.(X): 0.412
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 10.7
Optimal Cycle: 0 Level Of Service: B

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign), Rights (Include), Min. Green, Lanes.

Volume Module: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module: Adjustment, Lanes, Final Sat.

Capacity Analysis Module: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ.

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

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #6 6. Miller Cr/Las Gallinas Alt 1
Cycle (sec): 100 Critical Vol./Cap.(X): 0.438
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 10.6
Optimal Cycle: 0 Level Of Service: B

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign), Rights (Include), Min. Green, Lanes.

Volume Module: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module: Adjustment, Lanes, Final Sat.

Capacity Analysis Module: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ.

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

Level of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #7 7. Miller Cr/Elvia Ct Alt 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.217
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 8.1
 Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	0	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	23	148	11	8	116	11	16	2	53	11	0	2
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:	23	148	11	8	116	11	16	2	53	11	0	2
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:	23	148	11	8	116	11	16	2	53	11	0	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	148	11	8	116	11	16	2	53	11	0	2
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:	23	148	11	8	116	11	16	2	53	11	0	2

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.13	0.81	0.06	0.06	0.86	0.08	0.22	0.03	0.75	0.85	0.00	0.15
Final Sat.:	106	683	51	49	716	68	182	23	603	605	0	110

Capacity Analysis Module:

Vol/Sat:	0.22	0.22	0.22	0.16	0.16	0.16	0.09	0.09	0.09	0.02	xxxx	0.02
Crit Moves:	****			****			****			****		
Delay/Veh:	8.3	8.3	8.3	8.0	8.0	8.0	7.5	7.5	7.5	7.8	0.0	7.8
Delay Adj:	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:	8.3	8.3	8.3	8.0	8.0	8.0	7.5	7.5	7.5	7.8	0.0	7.8
LOS by Move:	A	A	A	A	A	A	A	A	A	A	*	A
ApproachDel:	8.3			8.0			7.5			7.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.3			8.0			7.5			7.8		
LOS by Appr:	A			A			A			A		
AllWayAvgQ:	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0

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

Level of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #9 9. Miller Cr/Marinwood Alt 2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.598
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 12.1
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	0	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	40	16	52	105	12	7	8	169	20	86	251	165
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	16	52	105	12	7	8	169	20	86	251	165
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	16	52	105	12	7	8	169	20	86	251	165
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	16	52	105	12	7	8	169	20	86	251	165
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	16	52	105	12	7	8	169	20	86	251	165

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.37	0.15	0.48	0.85	0.10	0.05	0.04	0.86	0.10	1.00	0.60	0.40
Final Sat.:	219	88	285	480	55	32	27	568	67	605	420	276

Capacity Analysis Module:

Vol/Sat:	0.18	0.18	0.18	0.22	0.22	0.22	0.30	0.30	0.30	0.14	0.60	0.60
Crit Moves:	****			****			****			****		
Delay/Veh:	9.6	9.6	9.6	10.3	10.3	10.3	10.3	10.3	10.3	9.5	14.7	14.7
Delay Adj:	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:	9.6	9.6	9.6	10.3	10.3	10.3	10.3	10.3	10.3	9.5	14.7	14.7
LOS by Move:	A	A	A	B	B	B	B	B	B	A	B	B
ApproachDel:	9.6			10.3			10.3			13.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.6			10.3			10.3			13.8		
LOS by Appr:	A			B			B			B		
AllWayAvgQ:	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2	1.3	1.3

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

Level of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #10 10. Miller Cr/Las Gallinas Alt 1
Cycle (sec): 100 Critical Vol./Cap. (X): 0.276
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 9.2
Optimal Cycle: 0 Level Of Service: A

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign), Rights (Include), Min. Green, Lanes.

Volume Module table with 12 columns: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module table with 12 columns: Adjustment, Lanes, Final Sat.

Capacity Analysis Module table with 12 columns: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ.

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

Level of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #11 11. Miller Cr/Elvia Ct Alt 1
Cycle (sec): 100 Critical Vol./Cap. (X): 0.222
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 8.3
Optimal Cycle: 0 Level Of Service: A

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign), Rights (Include), Min. Green, Lanes.

Volume Module table with 12 columns: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module table with 12 columns: Adjustment, Lanes, Final Sat.

Capacity Analysis Module table with 12 columns: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ.

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

Level of Service Computation Report
 2000 HCM Operations Method (Base Volume Alternative)

 Intersection #12 Las Gallinas/Lucas Valley Rd Alt 2

 Cycle (sec): 90 Critical Vol./Cap.(X): 0.320
 Loss Time (sec): 4 (Y+R=2.0 sec) Average Delay (sec/veh): 22.5
 Optimal Cycle: 20 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	8	0	0	8	0	0	8	0	0	8	0	0
Lanes:	1	0	1	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	141	109	92	59	99	34	22	321	81	96	364	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:	141	109	92	59	99	34	22	321	81	96	364	72
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	0.96	0.96	0.00	0.96	0.96	0.00	0.96	0.96	0.00	0.96	0.96	0.00
PHF Volume:	147	114	0	61	103	0	23	334	0	100	379	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	147	114	0	61	103	0	23	334	0	100	379	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	147	114	0	61	103	0	23	334	0	100	379	0

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1805	1900	1900	1805	1900	1900	1805	1900	1900	1805	1900	1900

Capacity Analysis Module:

Vol/Sat:	0.08	0.06	0.00	0.03	0.05	0.00	0.01	0.18	0.00	0.06	0.20	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.17	0.18	0.00	0.10	0.11	0.00	0.09	0.45	0.00	0.23	0.59	0.00
Volume/Cap:	0.47	0.34	0.00	0.34	0.52	0.00	0.14	0.39	0.00	0.24	0.34	0.00
Uniform Del:	33.6	32.5	0.0	37.7	38.1	0.0	37.8	16.5	0.0	28.4	9.5	0.0
IncrementDel:	1.1	0.6	0.0	1.1	2.4	0.0	0.4	0.3	0.0	0.3	0.2	0.0
InitQueueDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Delay/Veh:	34.7	33.1	0.0	38.8	40.5	0.0	38.2	16.8	0.0	28.7	9.7	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:	34.7	33.1	0.0	38.8	40.5	0.0	38.2	16.8	0.0	28.7	9.7	0.0
LOS by Move:	C	C	A	D	D	A	D	B	A	C	A	A
HCM2kAvgQ:	4	3	0	2	3	0	1	6	0	2	5	0

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

Scenario Report

Scenario: AM
 Command: Default Command
 Volume: AM
 Geometry: Default Geometry
 Impact Fee: Default Impact Fee
 Trip Generation: Default Trip Generation
 Trip Distribution: Default Trip Distribution
 Paths: Default Path
 Routes: Default Route
 Configuration: Default Configuration

Impact Analysis Report
 Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 1 Miller Cr/Marinwood	B 14.6	0.670	B 14.6	0.670	+ 0.000 V/C
# 2 Miller Cr/Las Gallinas	C 15.4	0.706	C 15.4	0.706	+ 0.000 V/C
# 3 Miller Cr/Elvia Ct	C 15.3	0.699	C 15.3	0.699	+ 0.000 V/C
# 4 Las Gallinas/Lucas Valley	C 28.2	0.613	C 28.2	0.613	+ 0.000 D/V
# 5 Miller Cr/Marinwood A1	B 14.6	0.670	B 14.6	0.670	+ 0.000 V/C
# 6 Miller Cr/Las Gallinas A1	C 16.8	0.734	C 16.8	0.734	+ 0.000 V/C
# 7 Miller Cr/Elvia Ct A1	B 13.6	0.645	B 13.6	0.645	+ 0.000 V/C
# 9 Miller Cr/Marinwood A2	C 18.6	0.812	C 18.6	0.812	+ 0.000 V/C
# 10 Miller Cr/Las Gallinas A2	B 12.4	0.533	B 12.4	0.533	+ 0.000 V/C
# 11 Miller Cr/Elvia Ct A2	C 15.3	0.699	C 15.3	0.699	+ 0.000 V/C
# 12 Las Gallinas/Lucas Valley A2	C 28.2	0.613	C 28.2	0.613	+ 0.000 D/V

Level of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #1 1. Miller Cr/Marinwood

Cycle (sec): 100 Critical Vol./Cap.(X): 0.670
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 14.6
Optimal Cycle: 0 Level Of Service: B

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign, Stop Sign, Stop Sign, Stop Sign), Rights (Include, Include, Include, Include), Min. Green (0, 0, 0, 0), Lanes (0 1 0 0 1, 0 1 0 0 1, 0 1 0 0 1, 1 0 1 0 1)

Volume Module: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume

Saturation Flow Module: Adjustment, Lanes, Final Sat.

Capacity Analysis Module: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ

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

Level of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #2 2. Miller Cr/Las Gallinas

Cycle (sec): 100 Critical Vol./Cap.(X): 0.706
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 15.4
Optimal Cycle: 0 Level Of Service: C

Table with 4 columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L-T-R), Control (Stop Sign, Stop Sign, Stop Sign, Stop Sign), Rights (Include, Include, Include, Include), Min. Green (0, 0, 0, 0), Lanes (1 0 1 0 1, 1 0 1 0 1, 1 0 1 0 1, 0 1 0 0 1)

Volume Module: Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume

Saturation Flow Module: Adjustment, Lanes, Final Sat.

Capacity Analysis Module: Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, AllWayAvgQ

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

Level of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #3 3. Miller Cr/Elvia Ct

Cycle (sec): 100 Critical Vol./Cap. (X): 0.699
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 15.3
 Optimal Cycle: 0 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	0	0	1	0	0	1	0	0	1

Volume Module:
 Base Vol: 175 105 11 7 395 58 81 1 157 14 0 5
 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: 175 105 11 7 395 58 81 1 157 14 0 5
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Volume: 175 105 11 7 395 58 81 1 157 14 0 5
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Reduced Vol: 175 105 11 7 395 58 81 1 157 14 0 5
 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: 175 105 11 7 395 58 81 1 157 14 0 5

Saturation Flow Module:
 Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Lanes: 0.60 0.36 0.04 1.00 0.87 0.13 0.34 0.01 0.65 0.74 0.00 0.26
 Final Sat.: 383 230 24 586 565 83 206 3 398 357 0 127

Capacity Analysis Module:
 Vol/Sat: 0.46 0.46 0.46 0.01 0.70 0.70 0.39 0.39 0.39 0.04 xxxxx 0.04
 Crit Moves: ****
 Delay/Veh: 12.7 12.7 12.7 8.8 19.3 19.3 11.6 11.6 11.6 9.5 0.0 9.5
 Delay Adj: 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: 12.7 12.7 12.7 8.8 19.3 19.3 11.6 11.6 11.6 9.5 0.0 9.5
 LOS by Move: B B A C C B B A * A
 ApproachDel: 12.7 19.1 11.6 9.5
 Delay Adj: 1.00 1.00 1.00
 ApprAdjDel: 12.7 19.1 11.6 9.5
 LOS by Appr: B C B A
 AllWayAvgQ: 0.8 0.8 0.8 0.0 2.0 2.0 0.5 0.5 0.5 0.0 0.0 0.0

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

Level of Service Computation Report
 2000 HCM Operations Method (Base Volume Alternative)

 Intersection #4 Las Gallinas/Lucas Valley Rd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.613
 Loss Time (sec): 4 (Y+R=2.0 sec) Average Delay (sec/veh): 28.2
 Optimal Cycle: 28 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	8	0	0	8	0	0	8	0	0	8	0	0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:
 Base Vol: 116 194 152 164 380 36 37 462 246 47 254 81
 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: 116 194 152 164 380 36 37 462 246 47 254 81
 User Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
 PHF Adj: 0.91 0.91 0.00 0.91 0.91 0.00 0.91 0.91 0.00 0.91 0.91 0.00
 PHF Volume: 127 213 0 180 418 0 41 508 0 52 279 0
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Reduced Vol: 127 213 0 180 418 0 41 508 0 52 279 0
 PCE Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
 MLF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
 FinalVolume: 127 213 0 180 418 0 41 508 0 52 279 0

Saturation Flow Module:
 Sat/Lane: 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900
 Adjustment: 0.95 1.00 1.00 0.95 1.00 1.00 0.95 1.00 1.00 0.95 1.00 1.00
 Lanes: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Final Sat.: 1805 1900 1900 1805 1900 1900 1805 1900 1900 1805 1900 1900

Capacity Analysis Module:
 Vol/Sat: 0.07 0.11 0.00 0.10 0.22 0.00 0.02 0.27 0.00 0.03 0.15 0.00
 Crit Moves: ****
 Green/Cycle: 0.11 0.24 0.00 0.21 0.34 0.00 0.19 0.42 0.00 0.09 0.31 0.00
 Volume/Cap: 0.64 0.47 0.00 0.47 0.64 0.00 0.12 0.64 0.00 0.32 0.47 0.00
 Uniform Del: 38.4 29.4 0.0 31.0 25.0 0.0 30.2 21.0 0.0 38.5 24.8 0.0
 IncrementDel: 7.1 0.8 0.0 0.9 2.2 0.0 0.2 1.8 0.0 1.2 0.6 0.0
 InitQueueDel: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 Delay Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
 Delay/Veh: 45.4 30.1 0.0 31.9 27.2 0.0 30.4 22.8 0.0 39.6 25.4 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: 45.4 30.1 0.0 31.9 27.2 0.0 30.4 22.8 0.0 39.6 25.4 0.0
 LOS by Move: D C A C C A C A D C A
 HCM2kAvgQ: 5 5 0 5 11 0 1 12 0 2 6 0

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

Level of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #5 5. Miller Cr/Marinwood Alt 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.670
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 14.6
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	0	1	0	0	1	0	1	0	1

Volume Module:

Base Vol:	25	15	71	165	18	10	8	207	17	78	382	140
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	15	71	165	18	10	8	207	17	78	382	140
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	15	71	165	18	10	8	207	17	78	382	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	15	71	165	18	10	8	207	17	78	382	140
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	15	71	165	18	10	8	207	17	78	382	140

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.62	0.38	1.00	0.90	0.10	1.00	0.04	0.96	1.00	1.00	1.00	1.00
Final Sat.:	285	171	524	426	46	550	20	523	601	522	570	633

Capacity Analysis Module:

Vol/Sat:	0.09	0.09	0.14	0.39	0.39	0.02	0.40	0.40	0.03	0.15	0.67	0.22
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.6	10.6	9.9	14.1	14.1	8.9	12.9	12.9	8.5	10.6	20.1	9.7
Delay Adj:	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:	10.6	10.6	9.9	14.1	14.1	8.9	12.9	12.9	8.5	10.6	20.1	9.7
LOS by Move:	B	B	A	B	B	A	B	B	A	B	C	A
ApproachDel:	10.2			13.8			12.5			16.4		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.2			13.8			12.5			16.4		
LOS by Appr:	B			B			B			C		
AllWayAvgQ:	0.1	0.1	0.1	0.5	0.5	0.0	0.6	0.6	0.0	0.2	1.8	0.3

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

Level of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #6 6. Miller Cr/Las Gallinas Alt 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.734
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 16.8
 Optimal Cycle: 0 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	16	108	77	83	158	54	14	69	11	285	100	33
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:	16	108	77	83	158	54	14	69	11	285	100	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	16	108	77	83	158	54	14	69	11	285	100	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	108	77	83	158	54	14	69	11	285	100	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	16	108	77	83	158	54	14	69	11	285	100	33

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.08	0.54	0.38	1.00	0.75	0.25	1.00	0.86	0.14	0.68	0.24	0.08
Final Sat.:	42	284	203	496	408	139	464	433	69	388	136	45

Capacity Analysis Module:

Vol/Sat:	0.38	0.38	0.38	0.17	0.39	0.39	0.03	0.16	0.16	0.73	0.73	0.73
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	12.9	12.9	12.9	10.9	12.5	12.5	10.0	10.4	10.4	23.4	23.4	23.4
Delay Adj:	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:	12.9	12.9	12.9	10.9	12.5	12.5	10.0	10.4	10.4	23.4	23.4	23.4
LOS by Move:	B	B	B	B	B	B	B	B	B	C	C	C
ApproachDel:	12.9			12.1			10.3			23.4		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	12.9			12.1			10.3			23.4		
LOS by Appr:	B			B			B			C		
AllWayAvgQ:	0.5	0.5	0.5	0.2	0.5	0.5	0.0	0.2	0.2	2.2	2.2	2.2

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

Level of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #7 7. Miller Cr/Elvia Ct Alt 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.645
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 13.6
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	0	0	1	0	0	1	0	0	1

Volume Module:
 Base Vol: 175 105 11 7 395 58 81 1 157 14 0 5
 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: 175 105 11 7 395 58 81 1 157 14 0 5
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Volume: 175 105 11 7 395 58 81 1 157 14 0 5
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Reduced Vol: 175 105 11 7 395 58 81 1 157 14 0 5
 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: 175 105 11 7 395 58 81 1 157 14 0 5

Saturation Flow Module:
 Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Lanes: 0.60 0.36 0.04 0.01 0.86 0.13 0.34 0.01 0.65 0.74 0.00 0.26
 Final Sat.: 393 236 25 11 612 90 209 3 406 363 0 130

Capacity Analysis Module:
 Vol/Sat: 0.45 0.45 0.45 0.65 0.65 0.65 0.39 0.39 0.39 0.04 xxxxx 0.04
 Crit Moves: **** *
 Delay/Veh: 12.2 12.2 12.2 15.9 15.9 15.9 11.3 11.3 11.3 9.3 0.0 9.3
 Delay Adj: 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: 12.2 12.2 12.2 15.9 15.9 15.9 11.3 11.3 11.3 9.3 0.0 9.3
 LOS by Move: B B B C C C B B B A * A
 ApproachDel: 12.2 15.9 11.3 9.3
 Delay Adj: 1.00 1.00 1.00
 ApprAdjDel: 12.2 15.9 11.3 9.3
 LOS by Appr: B C B A
 AllWayAvgQ: 0.7 0.7 0.7 1.6 1.6 1.6 0.5 0.5 0.5 0.0 0.0 0.0

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

Level of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #9 9. Miller Cr/Marinwood Alt 2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.812
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 18.6
 Optimal Cycle: 0 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	1	0	0	1	0	0	1	0	0	1

Volume Module:
 Base Vol: 25 15 71 165 18 10 8 207 17 78 382 140
 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 15 71 165 18 10 8 207 17 78 382 140
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Volume: 25 15 71 165 18 10 8 207 17 78 382 140
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Reduced Vol: 25 15 71 165 18 10 8 207 17 78 382 140
 PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 FinalVolume: 25 15 71 165 18 10 8 207 17 78 382 140

Saturation Flow Module:
 Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Lanes: 0.23 0.13 0.64 0.86 0.09 0.05 0.03 0.90 0.07 1.00 0.73 0.27
 Final Sat.: 121 73 343 452 49 27 21 533 44 573 470 172

Capacity Analysis Module:
 Vol/Sat: 0.21 0.21 0.21 0.37 0.37 0.37 0.39 0.39 0.39 0.14 0.81 0.81
 Crit Moves: **** *
 Delay/Veh: 10.4 10.4 10.4 12.5 12.5 12.5 12.0 12.0 12.0 9.9 26.8 26.8
 Delay Adj: 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: 10.4 10.4 10.4 12.5 12.5 12.5 12.0 12.0 12.0 9.9 26.8 26.8
 LOS by Move: B B B B B B B B A D D
 ApproachDel: 10.4 12.5 12.0 24.6
 Delay Adj: 1.00 1.00 1.00
 ApprAdjDel: 10.4 12.5 12.0 24.6
 LOS by Appr: B B B C
 AllWayAvgQ: 0.2 0.2 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.2 3.3 3.3

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

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #10 10. Miller Cr/Las Gallinas Alt 2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.533
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 12.4
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Stop Sign	Stop Sign	Stop Sign	Stop Sign
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Lanes:	1 0 1 1 0	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	16	108	77	83	158	54	14	69	11	285	100	33
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:	16	108	77	83	158	54	14	69	11	285	100	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	16	108	77	83	158	54	14	69	11	285	100	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	108	77	83	158	54	14	69	11	285	100	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	16	108	77	83	158	54	14	69	11	285	100	33

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.17	0.83	1.00	0.75	0.25	1.00	0.86	0.14	1.00	0.75	0.25
Final Sat.:	466	591	452	508	421	144	479	450	72	535	443	146

Capacity Analysis Module:

Vol/Sat:	0.03	0.18	0.17	0.16	0.38	0.38	0.03	0.15	0.15	0.53	0.23	0.23
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.3	10.8	10.1	10.7	12.2	12.2	9.9	10.2	10.2	16.1	10.2	10.2
Delay Adj:	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:	10.3	10.8	10.1	10.7	12.2	12.2	9.9	10.2	10.2	16.1	10.2	10.2
LOS by Move:	B	B	B	B	B	B	A	B	B	C	B	B
ApproachDel:	10.5			11.8			10.2			14.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.5			11.8			10.2			14.2		
LOS by Appr:	B			B			B			B		
AllWayAvgQ:	0.0	0.2	0.2	0.2	0.5	0.5	0.0	0.2	0.2	1.0	0.3	0.3

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

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Base Volume Alternative)

 Intersection #11 11. Miller Cr/Elvia Ct Alt 2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.699
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 15.3
 Optimal Cycle: 0 Level Of Service: C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Stop Sign	Stop Sign	Stop Sign	Stop Sign
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Lanes:	0 0 1 1 0 0	1 0 0 1 0	0 0 1 1 0 0	0 0 1 1 0 0

Volume Module:

Base Vol:	175	105	11	7	395	58	81	1	157	14	0	5
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:	175	105	11	7	395	58	81	1	157	14	0	5
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	175	105	11	7	395	58	81	1	157	14	0	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	175	105	11	7	395	58	81	1	157	14	0	5
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:	175	105	11	7	395	58	81	1	157	14	0	5

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.60	0.36	0.04	1.00	0.87	0.13	0.34	0.01	0.65	0.74	0.00	0.26
Final Sat.:	383	230	24	586	565	83	206	3	398	357	0	127

Capacity Analysis Module:

Vol/Sat:	0.46	0.46	0.46	0.01	0.70	0.70	0.39	0.39	0.39	0.04	xxxx	0.04
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	12.7	12.7	12.7	8.8	19.3	19.3	11.6	11.6	11.6	9.5	0.0	9.5
Delay Adj:	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:	12.7	12.7	12.7	8.8	19.3	19.3	11.6	11.6	11.6	9.5	0.0	9.5
LOS by Move:	B	B	B	A	C	C	B	B	B	A	*	A
ApproachDel:	12.7			19.1			11.6			9.5		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	12.7			19.1			11.6			9.5		
LOS by Appr:	B			C			B			A		
AllWayAvgQ:	0.8	0.8	0.8	0.0	2.0	2.0	0.5	0.5	0.5	0.0	0.0	0.0

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

Level Of Service Computation Report
 2000 HCM Operations Method (Base Volume Alternative)

 Intersection #12 Las Gallinas/Lucas Valley Rd Alt 2

 Cycle (sec): 90 Critical Vol./Cap.(X): 0.613
 Loss Time (sec): 4 (Y+R=2.0 sec) Average Delay (sec/veh): 28.2
 Optimal Cycle: 28 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	8	0	0	8	0	0	8	0	0	8	0	0
Lanes:	1	0	1	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	116	194	152	164	380	36	37	462	246	47	254	81
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:	116	194	152	164	380	36	37	462	246	47	254	81
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	0.91	0.91	0.00	0.91	0.91	0.00	0.91	0.91	0.00	0.91	0.91	0.00
PHF Volume:	127	213	0	180	418	0	41	508	0	52	279	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	127	213	0	180	418	0	41	508	0	52	279	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	127	213	0	180	418	0	41	508	0	52	279	0

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1805	1900	1900	1805	1900	1900	1805	1900	1900	1805	1900	1900

Capacity Analysis Module:

Vol/Sat:	0.07	0.11	0.00	0.10	0.22	0.00	0.02	0.27	0.00	0.03	0.15	0.00
Crit Moves:	****			****			****			****		
Green/Cycle:	0.11	0.24	0.00	0.21	0.34	0.00	0.19	0.42	0.00	0.09	0.31	0.00
Volume/Cap:	0.64	0.47	0.00	0.47	0.64	0.00	0.12	0.64	0.00	0.32	0.47	0.00
Uniform Del:	38.4	29.4	0.0	31.0	25.0	0.0	30.2	21.0	0.0	38.5	24.8	0.0
IncrementDel:	7.1	0.8	0.0	0.9	2.2	0.0	0.2	1.8	0.0	1.2	0.6	0.0
InitQueueDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Delay/Veh:	45.4	30.1	0.0	31.9	27.2	0.0	30.4	22.8	0.0	39.6	25.4	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:	45.4	30.1	0.0	31.9	27.2	0.0	30.4	22.8	0.0	39.6	25.4	0.0
LOS by Move:	D	C	A	C	C	A	C	C	A	D	C	A
HCM2kAvgQ:	5	5	0	5	11	0	1	12	0	2	6	0

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



Movement Summary

Marinwood Ave / Miller Creek Rd Roundabout

2010 AM Peak

Roundabout

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95% Back of Queue (ft)	Prop. Queued	Eff. Stop Rate	Aver Speed (mph)
NB Marinwood Ave										
3L	L	29	3.3	0.114	18.1	LOS B	13	0.36	0.76	34.3
8T	T	14	50.0	0.114	12.8	LOS B	13	0.36	0.64	39.5
8R	R	65	1.6	0.114	11.5	LOS B	13	0.36	0.65	38.5
Approach		108	8.3	0.114	13.5	LOS B	13	0.36	0.68	37.3
WB Miller Creek Rd										
1L	L	73	2.7	0.451	17.1	LOS B	66	0.16	0.71	35.0
6T	T	397	2.0	0.452	9.1	LOS A	66	0.16	0.53	41.0
6R	R	148	16.9	0.451	11.3	LOS B	66	0.16	0.59	39.7
Approach		618	5.7	0.452	10.6	LOS B	66	0.16	0.57	39.8
SB Marinwood Ave										
7L	L	172	14.5	0.229	19.5	LOS B	30	0.44	0.81	34.0
4T	T	17	23.5	0.230	12.1	LOS B	30	0.44	0.68	39.0
4R	R	9	10.0	0.227	12.3	LOS B	30	0.44	0.70	38.0
Approach		199	15.1	0.229	18.5	LOS B	30	0.44	0.80	34.6
EB Miller Creek Rd										
5L	L	6	14.3	0.226	18.0	LOS B	26	0.32	0.76	34.5
2T	T	218	2.3	0.223	9.8	LOS A	26	0.32	0.61	39.8
2R	R	15	6.7	0.224	11.1	LOS B	26	0.32	0.64	38.7
Approach		240	2.9	0.223	10.1	LOS B	26	0.32	0.62	39.6
All Vehicles		1165	7.0	0.452	12.1	LOS B	66	0.26	0.63	38.5

Symbols which may appear in this table:

Following Degree of Saturation

x = 1.00 for Short Lane with resulting Excess Flow

* x = 1.00 due to minimum capacity

Following LOS

- Based on density for continuous movements

Following Queue

- Density for continuous movement



Site: 2010 AM

P:\P\10\10017-000 Las Gallinas Bike and Ped\Sidra\Marinwood Roundabout.aap

Processed Apr 20, 2010 02:18:25PM

M0115, DKS associates, Small Office

Produced by SIDRA Intersection 3.2.2.1563

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Scenario Report

Scenario: AM

Command: Default Command
 Volume: AM
 Geometry: Default Geometry
 Impact Fee: Default Impact Fee
 Trip Generation: Default Trip Generation
 Trip Distribution: Default Trip Distribution
 Paths: Default Path
 Routes: Default Route
 Configuration: Default Configuration

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/	V/	Del/	V/	
	LOS	Veh	LOS	Veh	
# 14 Miller Creek Rd / US 101 SB Al	C	20.1 0.000	C	20.1 0.000	+ 0.000 D/V
# 15 Miller Creek Rd / US 101 SB	D	25.2 0.000	D	25.2 0.000	+ 0.000 D/V

Level Of Service Computation Report
 2000 HCM Unsignalized Method (Base Volume Alternative)

 Intersection #14 Miller Creek Rd / US 101 SB Alt #1

Average Delay (sec/veh): 17.4 Worst Case Level Of Service: C[20.1]

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Stop Sign	Stop Sign	Uncontrolled	Uncontrolled
Rights:	Include	Include	Ignore	Include
Lanes:	0 0 0 0 0	0 1 0 0 1	0 0 1 0 1	1 0 1 0 0

Volume Module:

Base Vol:	0	0	0	14	515	685	0	116	179	9	74	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	14	515	685	0	116	179	9	74	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	0	0	14	515	685	0	116	0	9	74	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	14	515	685	0	116	0	9	74	0

Critical Gap Module:

Critical Gp:	xxxxx	xxxx	xxxxx	6.4	6.5	6.2	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxxx	208	208	74	xxxx	xxxx	xxxxx	116	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	785	692	993	xxxx	xxxx	xxxxx	1485	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	781	688	993	xxxx	xxxx	xxxxx	1485	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	0.02	0.75	0.69	xxxx	xxxx	xxxx	0.01	xxxx	xxxx

Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	5.8	xxxx	xxxx	xxxxx	0.0	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	16.3	xxxxx	xxxx	xxxxx	7.4	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	C	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxx	690	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	7.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	25.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	D	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			20.1			xxxxxxx			xxxxxxx		
ApproachLOS:	*			C			*			*		

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

Level Of Service Computation Report
 2000 HCM Unsignalized Method (Base Volume Alternative)

 Intersection #15 Miller Creek Rd / US 101 SB

Average Delay (sec/veh): 18.4 Worst Case Level Of Service: D[25.2]

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Stop Sign	Stop Sign	Uncontrolled	Uncontrolled
Rights:	Include	Ignore	Ignore	Include
Lanes:	0 0 0 0 0	0 1 0 0 1	0 0 1 0 1	1 0 1 0 0

Volume Module:

Base Vol:	0	0	0	14	515	685	0	116	179	9	74	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	14	515	685	0	116	179	9	74	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	0	0	14	515	685	0	116	0	9	74	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	14	515	685	0	116	0	9	74	0

Critical Gap Module:

Critical Gp:	xxxxx	xxxx	xxxxx	6.4	6.5	6.2	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	3.5	4.0	3.3	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx

Capacity Module:

Cnflct Vol:	xxxx	xxxx	xxxxx	208	208	74	xxxx	xxxx	xxxxx	116	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	785	692	993	xxxx	xxxx	xxxxx	1485	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	781	688	993	xxxx	xxxx	xxxxx	1485	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	0.02	0.75	0.00	xxxx	xxxx	xxxx	0.01	xxxx	xxxx

Level Of Service Module:

2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	0.0	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.4	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxx	690	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	7.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	25.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	D	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			25.2			xxxxxxx			xxxxxxx		
ApproachLOS:	*			D			*			*		

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

Base Queue Report (cars)

Node Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	T	R	L	T	R	L	T	R	L	T	R
#14 [2Way95thQ]:	xxxx	xxxx	xxxx	7.2	7.2	5.8	xxxx	xxxx	xxxx	0.0	xxxx	xxxx
#15 [2Way95thQ]:	xxxx	xxxx	xxxx	7.2	7.2	xxxx	xxxx	xxxx	xxxx	0.0	xxxx	xxxx

Scenario Report

Scenario: PM

Command: Default Command
 Volume: PM
 Geometry: Default Geometry
 Impact Fee: Default Impact Fee
 Trip Generation: Default Trip Generation
 Trip Distribution: Default Trip Distribution
 Paths: Default Path
 Routes: Default Route
 Configuration: Default Configuration

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS	V/ Veh	Del/ LOS	V/ Veh	
# 14 Miller Creek Rd / US 101 SB Al	B	11.9 0.000	B	11.9 0.000	+ 0.000 D/V
# 15 Miller Creek Rd / US 101 SB	B	13.4 0.000	B	13.4 0.000	+ 0.000 D/V

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #14 Miller Creek Rd / US 101 SB Alt #1

Average Delay (sec/veh): 4.1 Worst Case Level Of Service: B[11.9]

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, and Lanes.

Volume Module: Table with 12 columns for volume and delay metrics across four approaches.

Critical Gap Module: Table with 12 columns for gap and follow-up time metrics.

Capacity Module: Table with 12 columns for conflict, potent, and volume/capacity metrics.

Level Of Service Module: Table with 12 columns for LOS by movement, shared queue, and approach delay.

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

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #15 Miller Creek Rd / US 101 SB

Average Delay (sec/veh): 1.4 Worst Case Level Of Service: B[13.4]

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, and Lanes.

Volume Module: Table with 12 columns for volume and delay metrics across four approaches.

Critical Gap Module: Table with 12 columns for gap and follow-up time metrics.

Capacity Module: Table with 12 columns for conflict, potent, and volume/capacity metrics.

Level Of Service Module: Table with 12 columns for LOS by movement, shared queue, and approach delay.

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

Base Queue Report (cars)

Node Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	--	T -- R	L	--	T -- R	L	--	T -- R	L	--	T -- R
#14 [2Way95thQ]:	xxxx	xxxx	xxxx	0.2	0.2	1.1	xxxx	xxxx	xxxx	0.1	xxxx	xxxx
#15 [2Way95thQ]:	xxxx	xxxx	xxxx	0.2	0.2	xxxx	xxxx	xxxx	xxxx	0.1	xxxx	xxxx