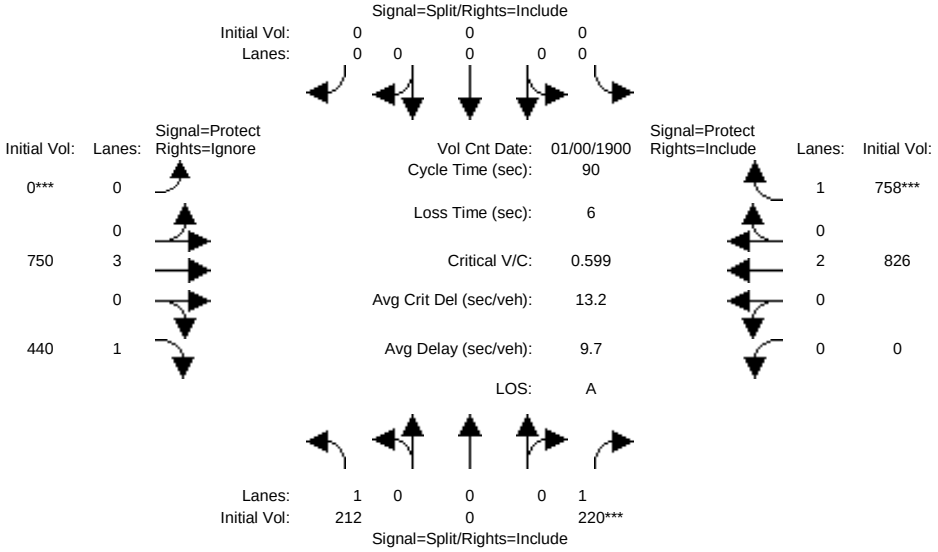
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #2: Dunne Ave / US-101 NB Ramps

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Street Name:         US-101 NB Ramps                     Dunne 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:    10   10    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: 0 Jan 1900 << 12:00:00 AM
Base Vol:     240    0   220     0    0     0     0  550   440     0  780   670
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:  240    0   220     0    0     0     0  550   440     0  780   670
Added Vol:    -28    0     0     0    0     0     0  200     0     0   46    88
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  212    0   220     0    0     0     0  750   440     0  826   758
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:   212    0   220     0    0     0     0  750     0     0  826   758
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  212    0   220     0    0     0     0  750     0     0  826   758
PCE 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
MLF 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
FinalVolume:  212    0   220     0    0     0     0  750     0     0  826   758
------------|---------------||---------------||---------------||---------------|
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  0.00 3.00  1.00  0.00 2.00  1.00
Final Sat.:  1750    0  1750     0    0     0     0 5700  1750     0 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.12 0.00  0.13  0.00 0.00  0.00  0.00 0.13  0.00  0.00 0.22  0.43
Crit Moves:             ****                    ****                      ****
Green/Cycle: 0.21 0.00  0.21  0.00 0.00  0.00  0.00 0.72  0.00  0.00 0.72  0.72
Volume/Cap:  0.58 0.00  0.60  0.00 0.00  0.00  0.00 0.18  0.00  0.00 0.30  0.60
Delay/Veh:   34.2  0.0  34.8   0.0  0.0   0.0   0.0  4.0   0.0   0.0  4.5   6.9
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:  34.2  0.0  34.8   0.0  0.0   0.0   0.0  4.0   0.0   0.0  4.5   6.9
LOS by Move:   C-    A    C-     A    A     A     A    A     A     A    A     A
HCM2kAvgQ:      6    0     7     0    0     0     0    2     0     0    4    11
Note: Queue reported is the number of cars per lane.
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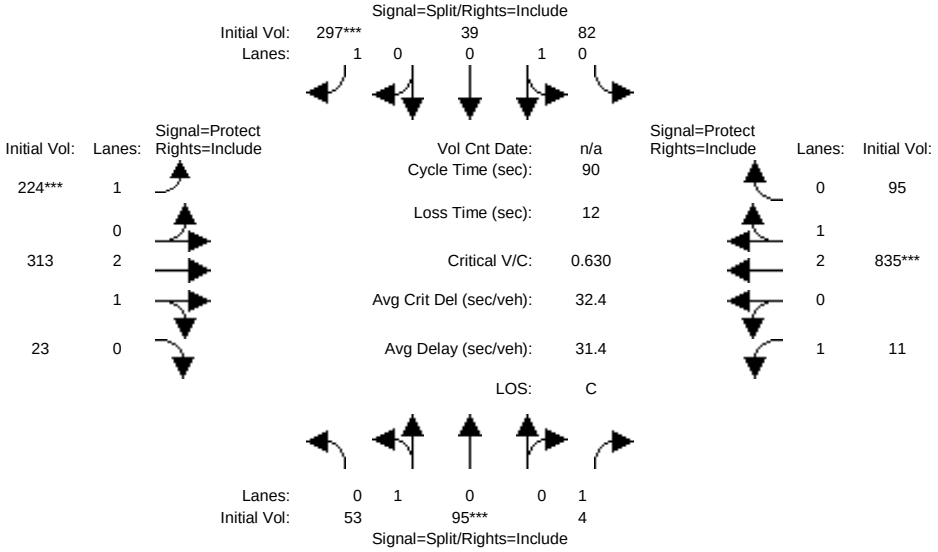
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	10	10	7	10	10	10	10	7
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:	53	95	4	82	39	297	224	313	23	11	835	95
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:	53	95	4	82	39	297	224	313	23	11	835	95
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:	53	95	4	82	39	297	224	313	23	11	835	95
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:	53	95	4	82	39	297	224	313	23	11	835	95
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	95	4	82	39	297	224	313	23	11	835	95
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:	53	95	4	82	39	297	224	313	23	11	835	95
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	0.36	0.64	1.00	0.68	0.32	1.00	1.00	2.79	0.21	1.00	2.68	0.32
Final Sat.:	645	1155	1750	1220	580	1750	1750	5216	383	1750	5027	572
Capacity Analysis Module:												
Vol/Sat:	0.08	0.08	0.00	0.07	0.07	0.17	0.13	0.06	0.06	0.01	0.17	0.17
Crit Moves:		****				****	****				****	
Green/Cycle:	0.13	0.13	0.13	0.27	0.27	0.27	0.20	0.23	0.23	0.23	0.26	0.26
Volume/Cap:	0.63	0.63	0.02	0.25	0.25	0.63	0.63	0.26	0.26	0.03	0.63	0.63
Delay/Veh:	42.5	42.5	34.1	26.0	26.0	31.7	36.4	28.2	28.2	26.6	30.1	30.1
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:	42.5	42.5	34.1	26.0	26.0	31.7	36.4	28.2	28.2	26.6	30.1	30.1
LOS by Move:	D	D	C-	C	C	C	D+	C	C	C	C	C
HCM2kAvgQ:	5	5	0	3	3	9	6	2	2	0	8	8

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

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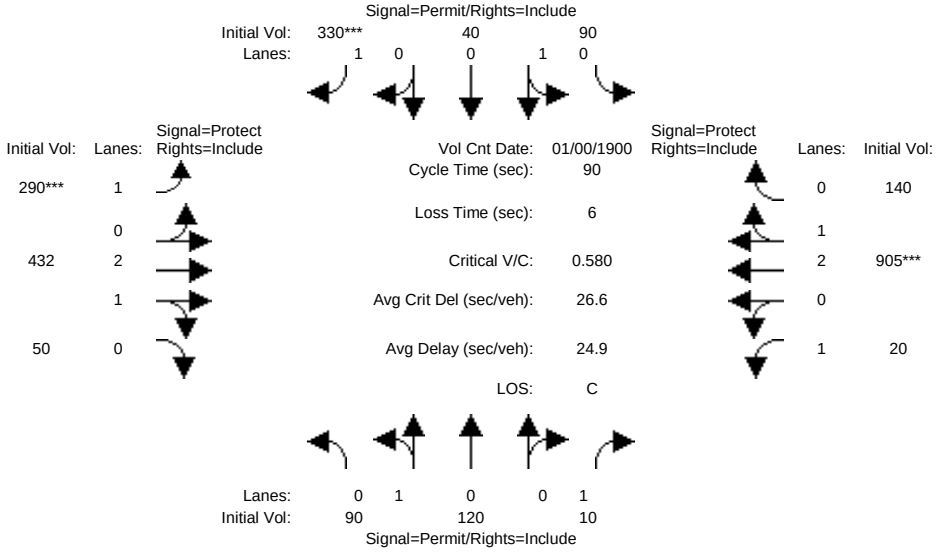
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project AM

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	90	120	10	90	40	330	290	430	50	20	900	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:	90	120	10	90	40	330	290	430	50	20	900	140
Added Vol:	0	0	0	0	0	0	0	2	0	0	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	90	120	10	90	40	330	290	432	50	20	905	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:	90	120	10	90	40	330	290	432	50	20	905	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	120	10	90	40	330	290	432	50	20	905	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:	90	120	10	90	40	330	290	432	50	20	905	140
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	0.43	0.57	1.00	0.69	0.31	1.00	1.00	2.68	0.32	1.00	2.58	0.42
Final Sat.:	771	1029	1750	1246	554	1750	1750	5018	581	1750	4849	750
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.01	0.07	0.07	0.19	0.17	0.09	0.09	0.01	0.19	0.19
Crit Moves:						****	****				****	
Green/Cycle:	0.33	0.33	0.33	0.33	0.33	0.33	0.29	0.36	0.36	0.25	0.32	0.32
Volume/Cap:	0.36	0.36	0.02	0.22	0.22	0.58	0.58	0.24	0.24	0.05	0.58	0.58
Delay/Veh:	23.6	23.6	20.6	22.3	22.3	26.7	29.2	20.4	20.4	25.6	25.9	25.9
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:	23.6	23.6	20.6	22.3	22.3	26.7	29.2	20.4	20.4	25.6	25.9	25.9
LOS by Move:	C	C	C+	C+	C+	C	C	C+	C+	C	C	C
HCM2kAvgQ:	5	5	0	3	3	9	7	3	3	0	8	8

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

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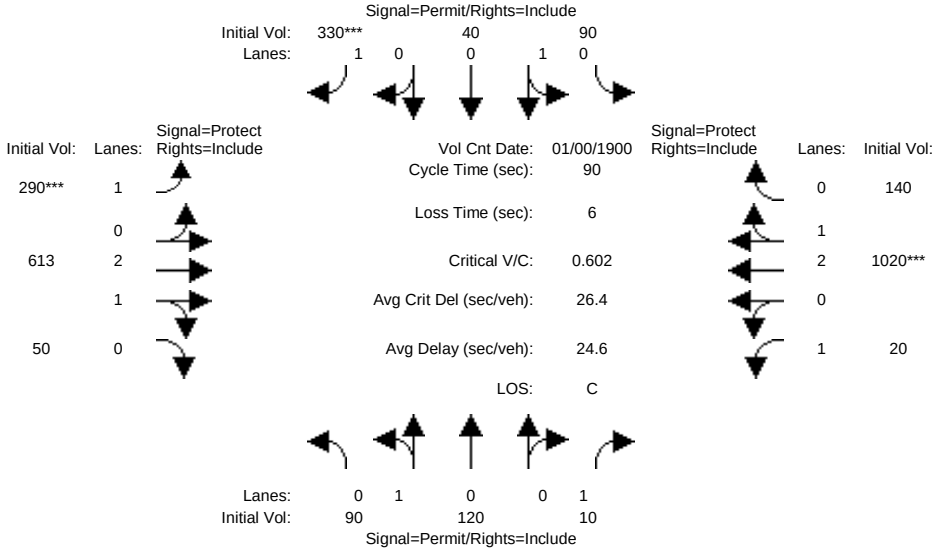
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project AM

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	90	120	10	90	40	330	290	430	50	20	900	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:	90	120	10	90	40	330	290	430	50	20	900	140
Added Vol:	0	0	0	0	0	0	0	183	0	0	120	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	90	120	10	90	40	330	290	613	50	20	1020	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:	90	120	10	90	40	330	290	613	50	20	1020	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	120	10	90	40	330	290	613	50	20	1020	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:	90	120	10	90	40	330	290	613	50	20	1020	140
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	0.43	0.57	1.00	0.69	0.31	1.00	1.00	2.77	0.23	1.00	2.62	0.38
Final Sat.:	771	1029	1750	1246	554	1750	1750	5177	422	1750	4923	676
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.01	0.07	0.07	0.19	0.17	0.12	0.12	0.01	0.21	0.21
Crit Moves:						****	****				****	
Green/Cycle:	0.31	0.31	0.31	0.31	0.31	0.31	0.28	0.37	0.37	0.25	0.34	0.34
Volume/Cap:	0.37	0.37	0.02	0.23	0.23	0.60	0.60	0.32	0.32	0.05	0.60	0.60
Delay/Veh:	24.4	24.4	21.3	23.1	23.1	28.0	30.4	20.1	20.1	25.9	24.9	24.9
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:	24.4	24.4	21.3	23.1	23.1	28.0	30.4	20.1	20.1	25.9	24.9	24.9
LOS by Move:	C	C	C+	C	C	C	C	C+	C+	C	C	C
HCM2kAvgQ:	5	5	0	3	3	9	8	4	4	0	9	9

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

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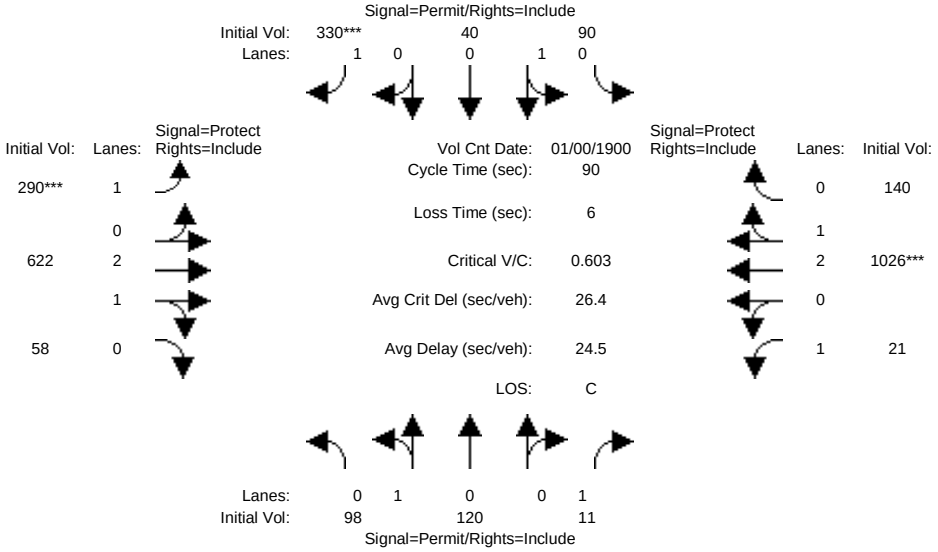
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	90	120	10	90	40	330	290	430	50	20	900	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:	90	120	10	90	40	330	290	430	50	20	900	140
Added Vol:	8	0	1	0	0	0	0	192	8	1	126	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	98	120	11	90	40	330	290	622	58	21	1026	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:	98	120	11	90	40	330	290	622	58	21	1026	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	120	11	90	40	330	290	622	58	21	1026	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:	98	120	11	90	40	330	290	622	58	21	1026	140
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	0.45	0.55	1.00	0.69	0.31	1.00	1.00	2.73	0.27	1.00	2.63	0.37
Final Sat.:	809	991	1750	1246	554	1750	1750	5122	478	1750	4927	672
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.01	0.07	0.07	0.19	0.17	0.12	0.12	0.01	0.21	0.21
Crit Moves:						****	****				****	
Green/Cycle:	0.31	0.31	0.31	0.31	0.31	0.31	0.27	0.38	0.38	0.24	0.35	0.35
Volume/Cap:	0.39	0.39	0.02	0.23	0.23	0.60	0.60	0.32	0.32	0.05	0.60	0.60
Delay/Veh:	24.6	24.6	21.4	23.1	23.1	28.1	30.5	19.9	19.9	26.2	24.9	24.9
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:	24.6	24.6	21.4	23.1	23.1	28.1	30.5	19.9	19.9	26.2	24.9	24.9
LOS by Move:	C	C	C+	C	C	C	C	B-	B-	C	C	C
HCM2kAvgQ:	5	5	0	3	3	9	8	4	4	0	9	9

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

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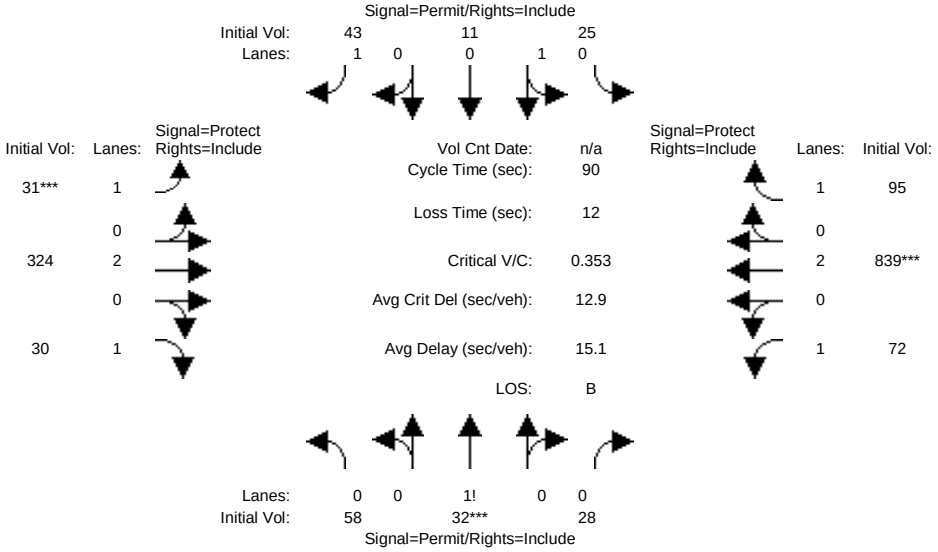
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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:	58	32	28	25	11	43	31	324	30	72	839	95
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:	58	32	28	25	11	43	31	324	30	72	839	95
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:	58	32	28	25	11	43	31	324	30	72	839	95
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:	58	32	28	25	11	43	31	324	30	72	839	95
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	32	28	25	11	43	31	324	30	72	839	95
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:	58	32	28	25	11	43	31	324	30	72	839	95
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.49	0.27	0.24	0.69	0.31	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	860	475	415	1250	550	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.07	0.02	0.02	0.02	0.02	0.09	0.02	0.04	0.22	0.05
Crit Moves:		****					****				****	
Green/Cycle:	0.18	0.18	0.18	0.18	0.18	0.18	0.08	0.40	0.40	0.28	0.60	0.60
Volume/Cap:	0.37	0.37	0.37	0.11	0.11	0.13	0.23	0.21	0.04	0.15	0.37	0.09
Delay/Veh:	32.8	32.8	32.8	30.7	30.7	30.9	39.8	17.7	16.4	24.4	9.1	7.5
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:	32.8	32.8	32.8	30.7	30.7	30.9	39.8	17.7	16.4	24.4	9.1	7.5
LOS by Move:	C-	C-	C-	C	C	C	D	B	B	C	A	A
HCM2kAvgQ:	3	3	3	1	1	1	1	3	1	2	6	1

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

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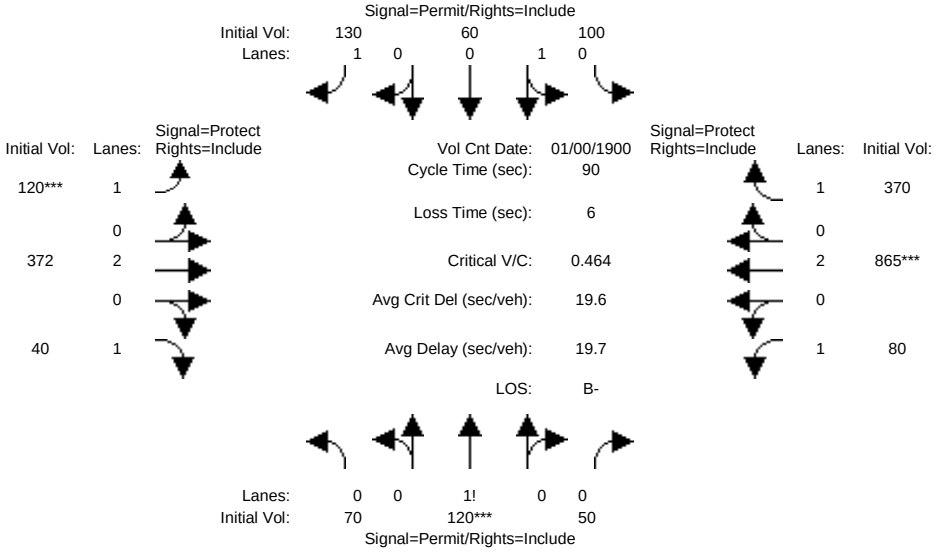
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project AM

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	70	120	50	100	60	130	120	370	40	80	860	370
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:	70	120	50	100	60	130	120	370	40	80	860	370
Added Vol:	0	0	0	0	0	0	0	2	0	0	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	70	120	50	100	60	130	120	372	40	80	865	370
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:	70	120	50	100	60	130	120	372	40	80	865	370
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	120	50	100	60	130	120	372	40	80	865	370
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:	70	120	50	100	60	130	120	372	40	80	865	370
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.29	0.50	0.21	0.63	0.37	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	510	875	365	1125	675	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.14	0.09	0.09	0.07	0.07	0.10	0.02	0.05	0.23	0.21
Crit Moves:		****					****				****	
Green/Cycle:	0.30	0.30	0.30	0.30	0.30	0.30	0.15	0.38	0.38	0.26	0.49	0.49
Volume/Cap:	0.46	0.46	0.46	0.30	0.30	0.25	0.46	0.26	0.06	0.17	0.46	0.43
Delay/Veh:	26.6	26.6	26.6	24.8	24.8	24.4	36.4	19.6	18.0	25.8	15.3	15.2
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:	26.6	26.6	26.6	24.8	24.8	24.4	36.4	19.6	18.0	25.8	15.3	15.2
LOS by Move:	C	C	C	C	C	C	D+	B-	B-	C	B	B
HCM2kAvgQ:	6	6	6	4	4	3	3	3	1	2	8	7

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

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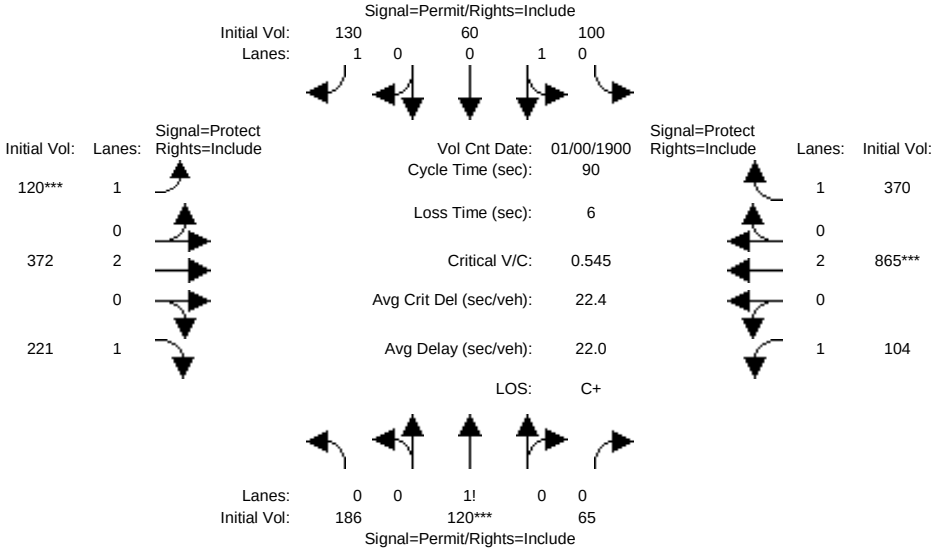
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project AM

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	70	120	50	100	60	130	120	370	40	80	860	370
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:	70	120	50	100	60	130	120	370	40	80	860	370
Added Vol:	116	0	15	0	0	0	0	2	181	24	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	186	120	65	100	60	130	120	372	221	104	865	370
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:	186	120	65	100	60	130	120	372	221	104	865	370
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	186	120	65	100	60	130	120	372	221	104	865	370
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:	186	120	65	100	60	130	120	372	221	104	865	370
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.50	0.32	0.18	0.63	0.37	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	877	566	307	1125	675	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.21	0.21	0.21	0.09	0.09	0.07	0.07	0.10	0.13	0.06	0.23	0.21
Crit Moves:		****					****				****	
Green/Cycle:	0.39	0.39	0.39	0.39	0.39	0.39	0.13	0.34	0.34	0.21	0.42	0.42
Volume/Cap:	0.54	0.54	0.54	0.23	0.23	0.19	0.54	0.29	0.38	0.29	0.54	0.51
Delay/Veh:	22.2	22.2	22.2	18.6	18.6	18.3	39.7	22.1	23.1	30.5	20.1	19.9
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:	22.2	22.2	22.2	18.6	18.6	18.3	39.7	22.1	23.1	30.5	20.1	19.9
LOS by Move:	C+	C+	C+	B-	B-	B-	D	C+	C	C	C+	B-
HCM2kAvgQ:	9	9	9	3	3	3	3	4	5	3	9	8

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

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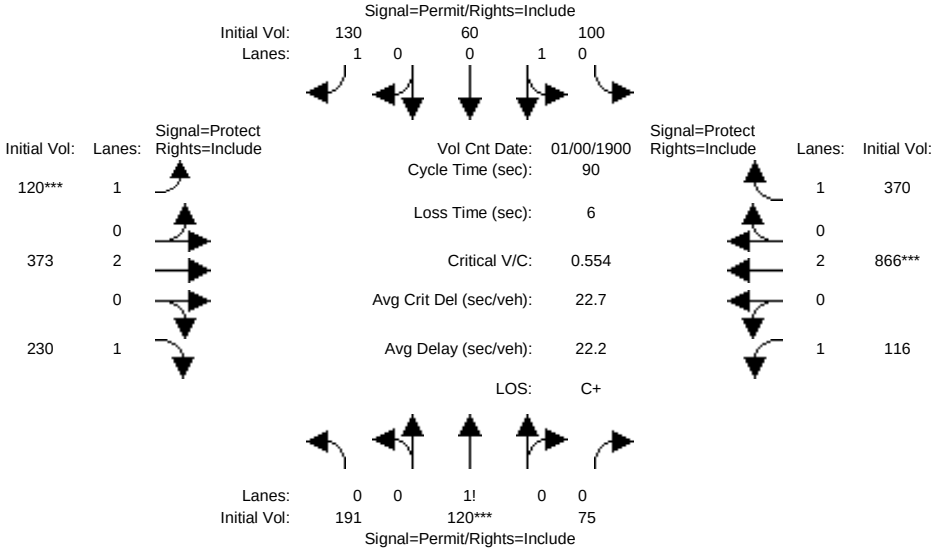
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	70	120	50	100	60	130	120	370	40	80	860	370
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:	70	120	50	100	60	130	120	370	40	80	860	370
Added Vol:	121	0	25	0	0	0	0	3	190	36	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	191	120	75	100	60	130	120	373	230	116	866	370
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:	191	120	75	100	60	130	120	373	230	116	866	370
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	191	120	75	100	60	130	120	373	230	116	866	370
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:	191	120	75	100	60	130	120	373	230	116	866	370
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.50	0.31	0.19	0.63	0.37	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	866	544	340	1125	675	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.22	0.22	0.22	0.09	0.09	0.07	0.07	0.10	0.13	0.07	0.23	0.21
Crit Moves:		****					****				****	
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.12	0.34	0.34	0.20	0.41	0.41
Volume/Cap:	0.55	0.55	0.55	0.22	0.22	0.19	0.55	0.29	0.39	0.33	0.55	0.51
Delay/Veh:	21.9	21.9	21.9	18.0	18.0	17.7	40.2	22.1	23.3	31.5	20.6	20.4
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:	21.9	21.9	21.9	18.0	18.0	17.7	40.2	22.1	23.3	31.5	20.6	20.4
LOS by Move:	C+	C+	C+	B-	B-	B	D	C+	C	C	C+	C+
HCM2kAvgQ:	9	9	9	3	3	3	3	4	5	3	9	9

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

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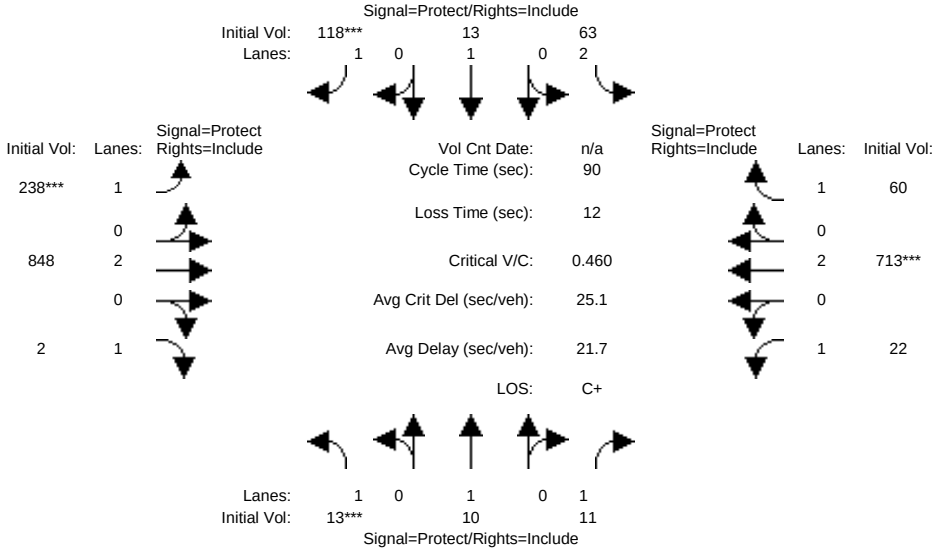
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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:	13	10	11	63	13	118	238	848	2	22	713	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:	13	10	11	63	13	118	238	848	2	22	713	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:	13	10	11	63	13	118	238	848	2	22	713	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:	13	10	11	63	13	118	238	848	2	22	713	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	10	11	63	13	118	238	848	2	22	713	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:	13	10	11	63	13	118	238	848	2	22	713	60
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.01	0.02	0.01	0.07	0.14	0.22	0.00	0.01	0.19	0.03
Crit Moves:	****					****	****				****	
Green/Cycle:	0.08	0.13	0.13	0.09	0.14	0.14	0.27	0.48	0.48	0.17	0.38	0.38
Volume/Cap:	0.10	0.04	0.05	0.23	0.05	0.50	0.50	0.46	0.00	0.07	0.50	0.09
Delay/Veh:	38.9	34.6	34.7	38.6	33.9	37.6	28.2	15.6	12.0	31.6	21.7	18.1
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:	38.9	34.6	34.7	38.6	33.9	37.6	28.2	15.6	12.0	31.6	21.7	18.1
LOS by Move:	D+	C-	C-	D+	C-	D+	C	B	B+	C	C+	B-
HCM2kAvgQ:	0	0	0	1	0	4	6	8	0	1	7	1

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

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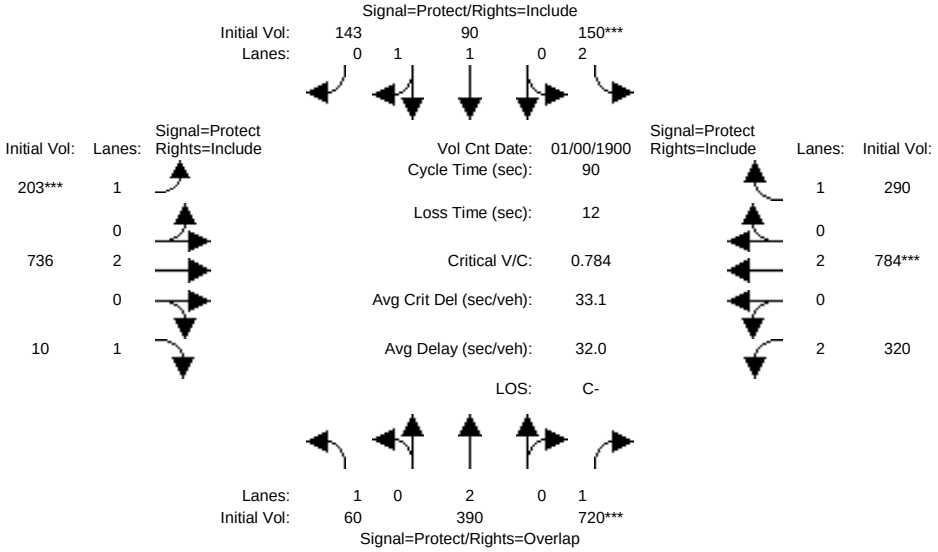
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project AM

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	60	390	720	150	90	140	200	650	10	320	730	290
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:	60	390	720	150	90	140	200	650	10	320	730	290
Added Vol:	0	0	0	0	0	3	3	86	0	0	54	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	390	720	150	90	143	203	736	10	320	784	290
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:	60	390	720	150	90	143	203	736	10	320	784	290
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	390	720	150	90	143	203	736	10	320	784	290
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:	60	390	720	150	90	143	203	736	10	320	784	290
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	3150	1900	1750	1750	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.10	0.41	0.05	0.05	0.08	0.12	0.19	0.01	0.10	0.21	0.17
Crit Moves:			****	****			****				****	
Green/Cycle:	0.19	0.39	0.53	0.08	0.27	0.27	0.14	0.26	0.26	0.14	0.26	0.26
Volume/Cap:	0.18	0.27	0.78	0.61	0.17	0.30	0.80	0.73	0.02	0.73	0.80	0.64
Delay/Veh:	30.7	19.0	21.7	44.7	25.0	26.1	53.7	33.1	24.5	43.5	36.1	32.9
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:	30.7	19.0	21.7	44.7	25.0	26.1	53.7	33.1	24.5	43.5	36.1	32.9
LOS by Move:	C	B-	C+	D	C	C	D-	C-	C	D	D+	C-
HCM2kAvgQ:	2	4	19	4	2	3	8	11	0	5	10	8

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

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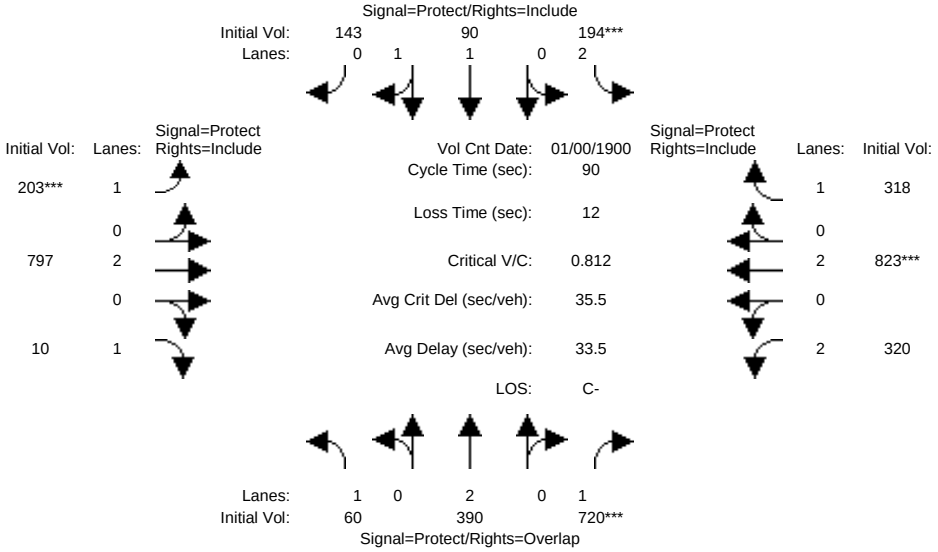
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project AM

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	60	390	720	150	90	140	200	650	10	320	730	290
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:	60	390	720	150	90	140	200	650	10	320	730	290
Added Vol:	0	0	0	44	0	3	3	147	0	0	93	28
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	390	720	194	90	143	203	797	10	320	823	318
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:	60	390	720	194	90	143	203	797	10	320	823	318
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	390	720	194	90	143	203	797	10	320	823	318
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:	60	390	720	194	90	143	203	797	10	320	823	318
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	3150	1900	1750	1750	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.10	0.41	0.06	0.05	0.08	0.12	0.21	0.01	0.10	0.22	0.18
Crit Moves:			****	****			****				****	
Green/Cycle:	0.19	0.38	0.51	0.08	0.27	0.27	0.14	0.28	0.28	0.13	0.27	0.27
Volume/Cap:	0.18	0.27	0.80	0.79	0.18	0.30	0.81	0.76	0.02	0.76	0.81	0.68
Delay/Veh:	30.9	19.3	23.3	56.7	25.3	26.4	55.7	33.3	23.8	45.7	36.1	33.8
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:	30.9	19.3	23.3	56.7	25.3	26.4	55.7	33.3	23.8	45.7	36.1	33.8
LOS by Move:	C	B-	C	E+	C	C	E+	C-	C	D	D+	C-
HCM2kAvgQ:	2	4	20	5	2	4	8	12	0	5	11	8

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

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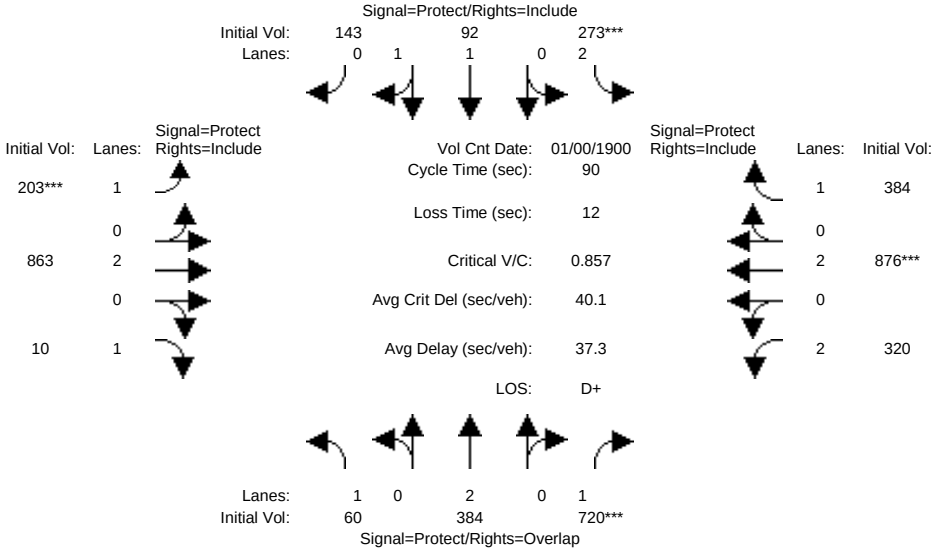
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	60	390	720	150	90	140	200	650	10	320	730	290
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:	60	390	720	150	90	140	200	650	10	320	730	290
Added Vol:	0	-6	0	123	2	3	3	213	0	0	146	94
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	384	720	273	92	143	203	863	10	320	876	384
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:	60	384	720	273	92	143	203	863	10	320	876	384
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	384	720	273	92	143	203	863	10	320	876	384
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:	60	384	720	273	92	143	203	863	10	320	876	384
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	3150	1900	1750	1750	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.10	0.41	0.09	0.05	0.08	0.12	0.23	0.01	0.10	0.23	0.22
Crit Moves:			****	****			****				****	
Green/Cycle:	0.19	0.36	0.49	0.10	0.27	0.27	0.14	0.28	0.28	0.12	0.27	0.27
Volume/Cap:	0.18	0.28	0.85	0.86	0.18	0.30	0.86	0.81	0.02	0.81	0.86	0.82
Delay/Veh:	30.8	20.5	28.0	59.8	25.1	26.2	63.4	35.1	23.5	50.6	38.6	41.4
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:	30.8	20.5	28.0	59.8	25.1	26.2	63.4	35.1	23.5	50.6	38.6	41.4
LOS by Move:	C	C+	C	E+	C	C	E	D+	C	D	D+	D
HCM2kAvgQ:	2	4	21	7	2	4	9	13	0	6	12	11

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

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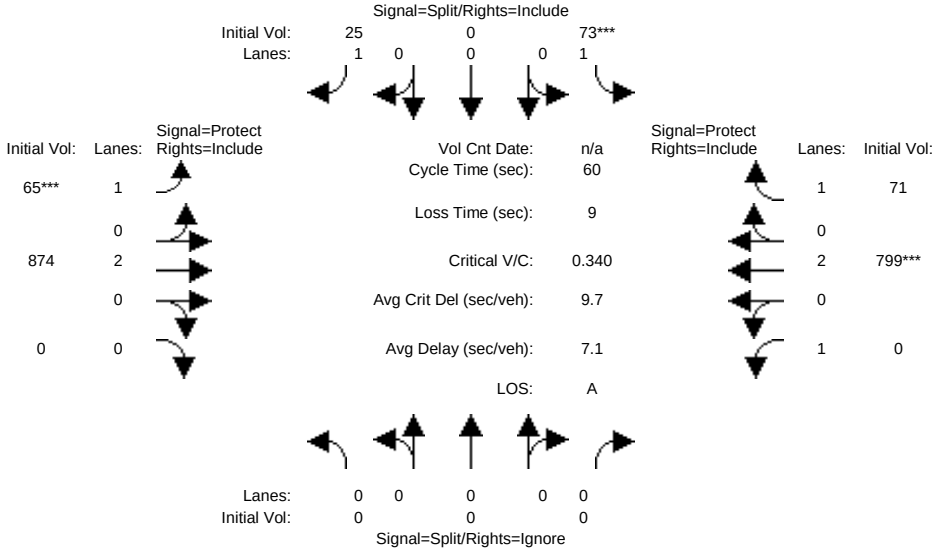
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	10	0	10	7	10	0	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:	0	0	0	73	0	25	65	874	0	0	799	71
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	73	0	25	65	874	0	0	799	71
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	73	0	25	65	874	0	0	799	71
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	73	0	25	65	874	0	0	799	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	73	0	25	65	874	0	0	799	71
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	73	0	25	65	874	0	0	799	71
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	1750	0	1750	1750	3800	0	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.01	0.04	0.23	0.00	0.00	0.21	0.04
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.17	0.00	0.17	0.12	0.68	0.00	0.00	0.57	0.57
Volume/Cap:	0.00	0.00	0.00	0.25	0.00	0.09	0.32	0.34	0.00	0.00	0.37	0.07
Delay/Veh:	0.0	0.0	0.0	22.2	0.0	21.3	25.2	4.0	0.0	0.0	7.2	5.9
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:	0.0	0.0	0.0	22.2	0.0	21.3	25.2	4.0	0.0	0.0	7.2	5.9
LOS by Move:	A	A	A	C+	A	C+	C	A	A	A	A	A
HCM2kAvgQ:	0	0	0	1	0	0	1	3	0	0	4	1

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

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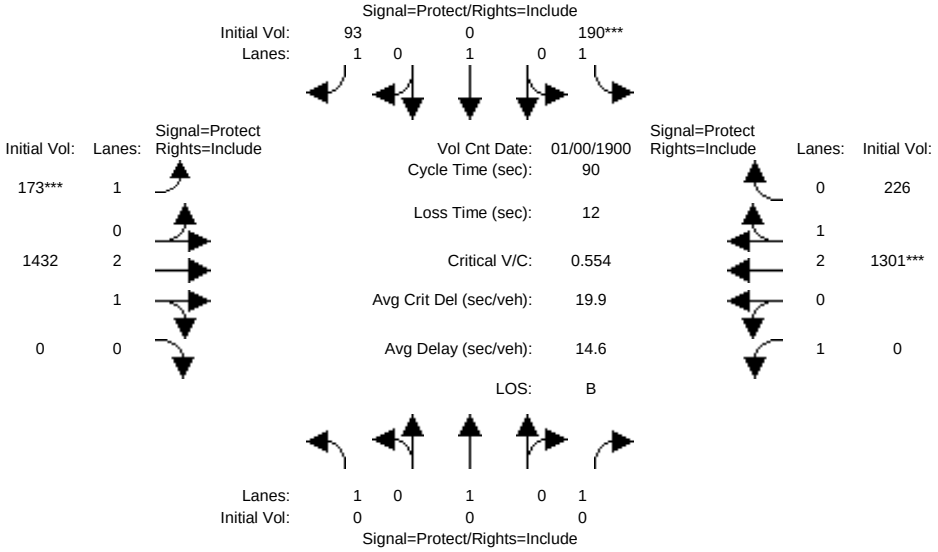
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project AM

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	0	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	120	0	60	110	1410	0	0	1280	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	120	0	60	110	1410	0	0	1280	90
Added Vol:	0	0	0	70	0	33	63	22	0	0	21	136
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	190	0	93	173	1432	0	0	1301	226
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	190	0	93	173	1432	0	0	1301	226
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	190	0	93	173	1432	0	0	1301	226
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	190	0	93	173	1432	0	0	1301	226
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	0.98	0.92	0.92	0.99	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	0.00	1.00	2.54	0.46
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5600	0	1750	4770	829
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.11	0.00	0.05	0.10	0.26	0.00	0.00	0.27	0.27
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.20	0.00	0.20	0.18	0.67	0.00	0.00	0.49	0.49
Volume/Cap:	0.00	0.00	0.00	0.55	0.00	0.27	0.55	0.38	0.00	0.00	0.55	0.55
Delay/Veh:	0.0	0.0	0.0	34.6	0.0	31.2	35.9	6.6	0.0	0.0	16.2	16.2
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	34.6	0.0	31.2	35.9	6.6	0.0	0.0	16.2	16.2
LOS by Move:	A	A	A	C-	A	C	D+	A	A	A	B	B
HCM2kAvgQ:	0	0	0	6	0	3	5	6	0	0	10	10

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

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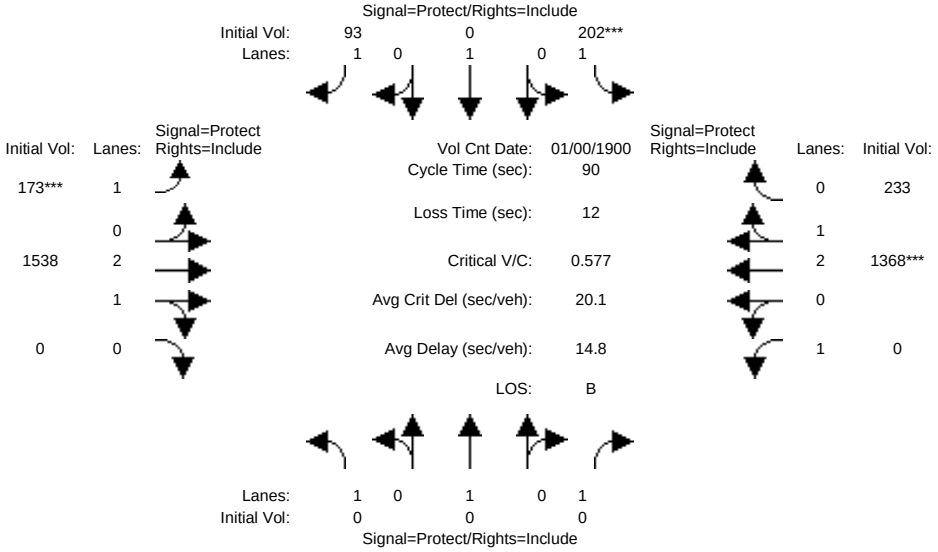
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project AM

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	0	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	120	0	60	110	1410	0	0	1280	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	120	0	60	110	1410	0	0	1280	90
Added Vol:	0	0	0	82	0	33	63	128	0	0	88	143
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	202	0	93	173	1538	0	0	1368	233
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	202	0	93	173	1538	0	0	1368	233
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	202	0	93	173	1538	0	0	1368	233
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	202	0	93	173	1538	0	0	1368	233
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	0.98	0.92	0.92	0.99	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	0.00	1.00	2.55	0.45
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5600	0	1750	4784	815
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.12	0.00	0.05	0.10	0.27	0.00	0.00	0.29	0.29
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.20	0.00	0.20	0.17	0.67	0.00	0.00	0.50	0.50
Volume/Cap:	0.00	0.00	0.00	0.58	0.00	0.27	0.58	0.41	0.00	0.00	0.58	0.58
Delay/Veh:	0.0	0.0	0.0	34.9	0.0	30.8	37.1	7.0	0.0	0.0	16.3	16.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	34.9	0.0	30.8	37.1	7.0	0.0	0.0	16.3	16.3
LOS by Move:	A	A	A	C-	A	C	D+	A	A	A	B	B
HCM2kAvgQ:	0	0	0	6	0	2	5	6	0	0	10	10

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

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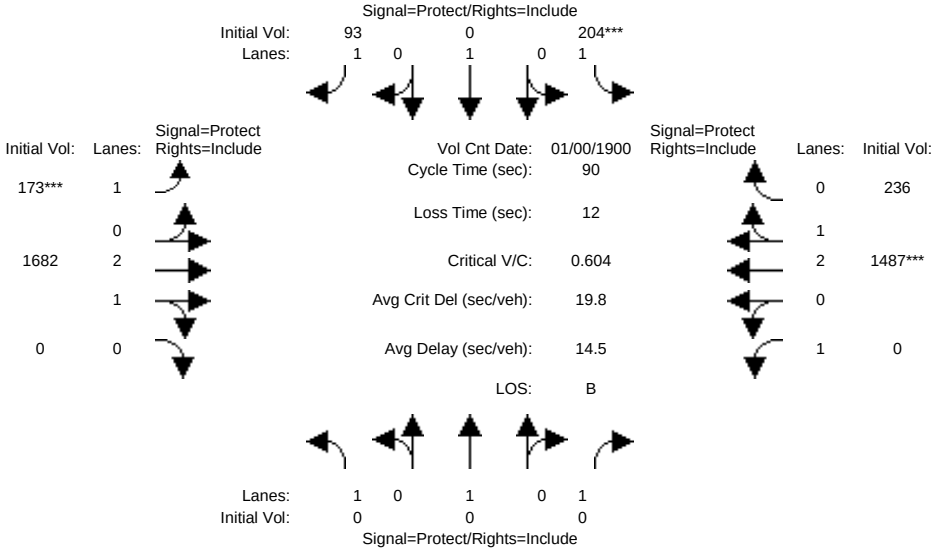
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	0	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	120	0	60	110	1410	0	0	1280	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	120	0	60	110	1410	0	0	1280	90
Added Vol:	0	0	0	84	0	33	63	272	0	0	207	146
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	204	0	93	173	1682	0	0	1487	236
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	204	0	93	173	1682	0	0	1487	236
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	204	0	93	173	1682	0	0	1487	236
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	204	0	93	173	1682	0	0	1487	236
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	0.98	0.92	0.92	0.99	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	0.00	1.00	2.57	0.43
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5600	0	1750	4832	767
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.12	0.00	0.05	0.10	0.30	0.00	0.00	0.31	0.31
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.19	0.00	0.19	0.16	0.67	0.00	0.00	0.51	0.51
Volume/Cap:	0.00	0.00	0.00	0.60	0.00	0.28	0.60	0.45	0.00	0.00	0.60	0.60
Delay/Veh:	0.0	0.0	0.0	36.2	0.0	31.4	38.5	6.9	0.0	0.0	16.0	16.0
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	36.2	0.0	31.4	38.5	6.9	0.0	0.0	16.0	16.0
LOS by Move:	A	A	A	D+	A	C	D+	A	A	A	B	B
HCM2kAvgQ:	0	0	0	6	0	3	5	7	0	0	11	11

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

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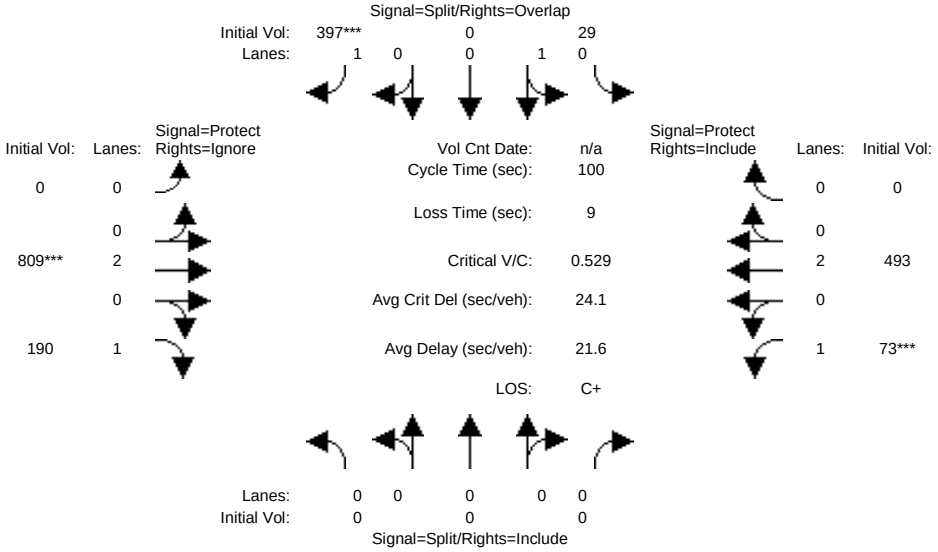
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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	0	0	29	0	397	0	809	190	73	493	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	29	0	397	0	809	190	73	493	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	0	0	29	0	397	0	809	190	73	493	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	29	0	397	0	809	0	73	493	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	29	0	397	0	809	0	73	493	0
PCE 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
MLF 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
FinalVolume:	0	0	0	29	0	397	0	809	0	73	493	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	0.95	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	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.23	0.00	0.21	0.00	0.04	0.13	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.43	0.00	0.43	0.00	0.40	0.00	0.08	0.48	0.00
Volume/Cap:	0.00	0.00	0.00	0.04	0.00	0.53	0.00	0.53	0.00	0.53	0.27	0.00
Delay/Veh:	0.0	0.0	0.0	16.6	0.0	21.8	0.0	23.0	0.0	48.1	15.5	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	0.0	0.0	16.6	0.0	21.8	0.0	23.0	0.0	48.1	15.5	0.0
LOS by Move:	A	A	A	B	A	C+	A	C	A	D	B	A
HCM2kAvgQ:	0	0	0	1	0	10	0	9	0	2	4	0

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

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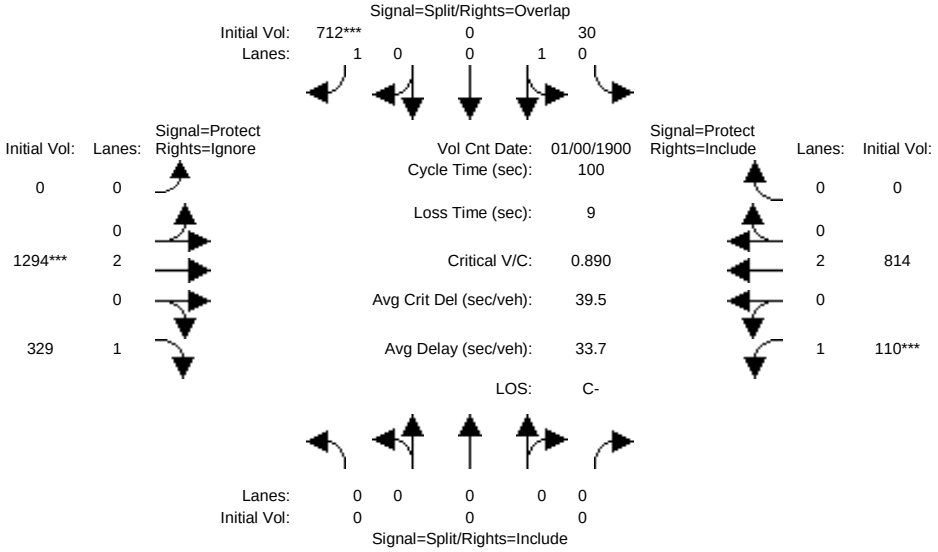
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project AM

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	30	0	620	0	1230	300	110	750	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	30	0	620	0	1230	300	110	750	0
Added Vol:	0	0	0	0	0	92	0	64	29	0	64	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	30	0	712	0	1294	329	110	814	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	30	0	712	0	1294	0	110	814	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	30	0	712	0	1294	0	110	814	0
PCE 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
MLF 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
FinalVolume:	0	0	0	30	0	712	0	1294	0	110	814	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	0.95	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	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.41	0.00	0.34	0.00	0.06	0.21	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.46	0.00	0.46	0.00	0.38	0.00	0.07	0.45	0.00
Volume/Cap:	0.00	0.00	0.00	0.04	0.00	0.89	0.00	0.89	0.00	0.89	0.47	0.00
Delay/Veh:	0.0	0.0	0.0	15.0	0.0	37.0	0.0	36.1	0.0	95.1	19.2	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:	0.0	0.0	0.0	15.0	0.0	37.0	0.0	36.1	0.0	95.1	19.2	0.0
LOS by Move:	A	A	A	B	A	D+	A	D+	A	F	B-	A
HCM2kAvgQ:	0	0	0	1	0	25	0	20	0	4	8	0

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

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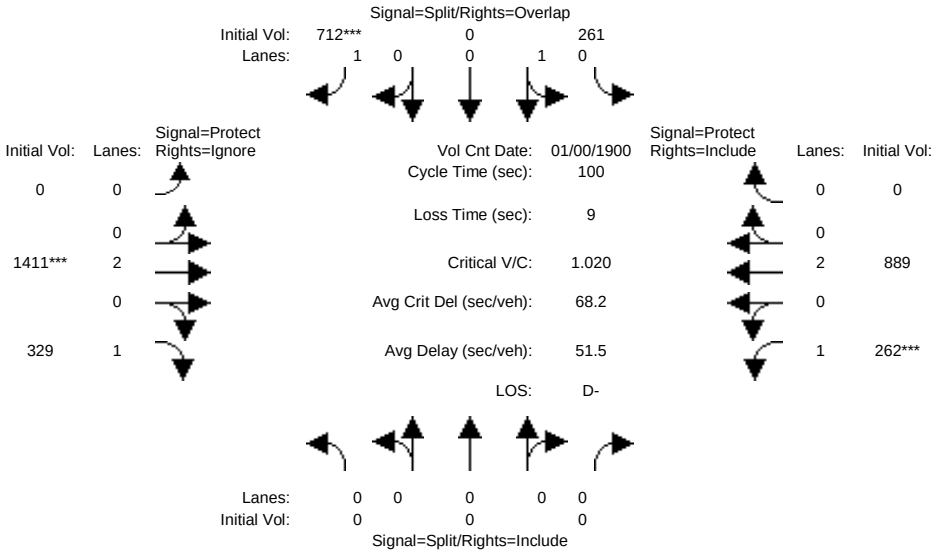
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project AM

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	30	0	620	0	1230	300	110	750	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	30	0	620	0	1230	300	110	750	0
Added Vol:	0	0	0	231	0	92	0	181	29	152	139	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	261	0	712	0	1411	329	262	889	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	261	0	712	0	1411	0	262	889	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	261	0	712	0	1411	0	262	889	0
PCE 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
MLF 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
FinalVolume:	0	0	0	261	0	712	0	1411	0	262	889	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	0.95	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	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.15	0.00	0.41	0.00	0.37	0.00	0.15	0.23	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.40	0.00	0.40	0.00	0.36	0.00	0.15	0.51	0.00
Volume/Cap:	0.00	0.00	0.00	0.36	0.00	1.02	0.00	1.02	0.00	1.02	0.46	0.00
Delay/Veh:	0.0	0.0	0.0	21.4	0.0	69.1	0.0	61.0	0.0	103.9	15.8	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:	0.0	0.0	0.0	21.4	0.0	69.1	0.0	61.0	0.0	103.9	15.8	0.0
LOS by Move:	A	A	A	C+	A	E	A	E	A	F	B	A
HCM2kAvgQ:	0	0	0	6	0	32	0	27	0	12	8	0

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

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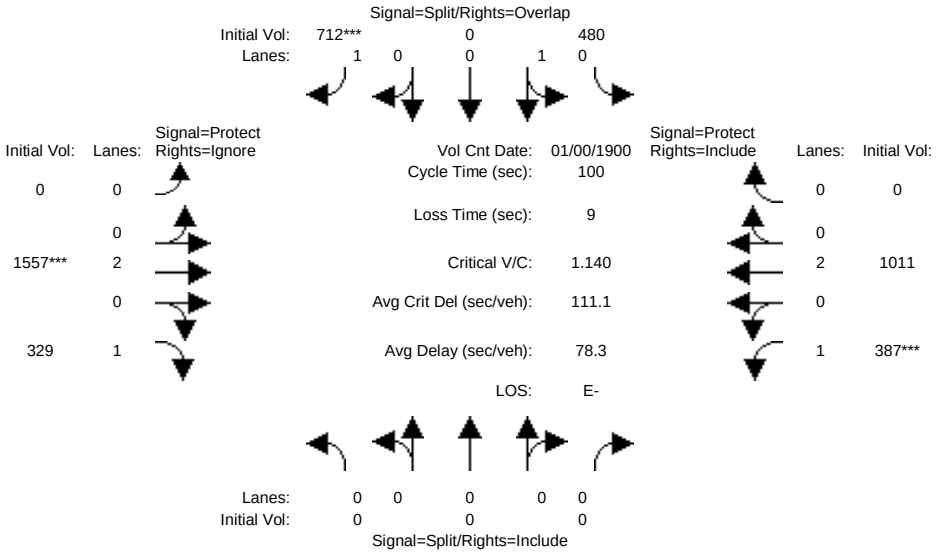
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	30	0	620	0	1230	300	110	750	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	30	0	620	0	1230	300	110	750	0
Added Vol:	0	0	0	450	0	92	0	327	29	277	261	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	480	0	712	0	1557	329	387	1011	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	480	0	712	0	1557	0	387	1011	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	480	0	712	0	1557	0	387	1011	0
PCE 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
MLF 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
FinalVolume:	0	0	0	480	0	712	0	1557	0	387	1011	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	0.95	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	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.27	0.00	0.41	0.00	0.41	0.00	0.22	0.27	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.36	0.00	0.36	0.00	0.36	0.00	0.19	0.55	0.00
Volume/Cap:	0.00	0.00	0.00	0.75	0.00	1.14	0.00	1.14	0.00	1.14	0.48	0.00
Delay/Veh:	0.0	0.0	0.0	33.0	0.0	113.5	0.0	105	0.0	132.9	13.8	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:	0.0	0.0	0.0	33.0	0.0	113.5	0.0	105	0.0	132.9	13.8	0.0
LOS by Move:	A	A	A	C-	A	F	A	F	A	F	B	A
HCM2kAvgQ:	0	0	0	15	0	39	0	37	0	20	9	0

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

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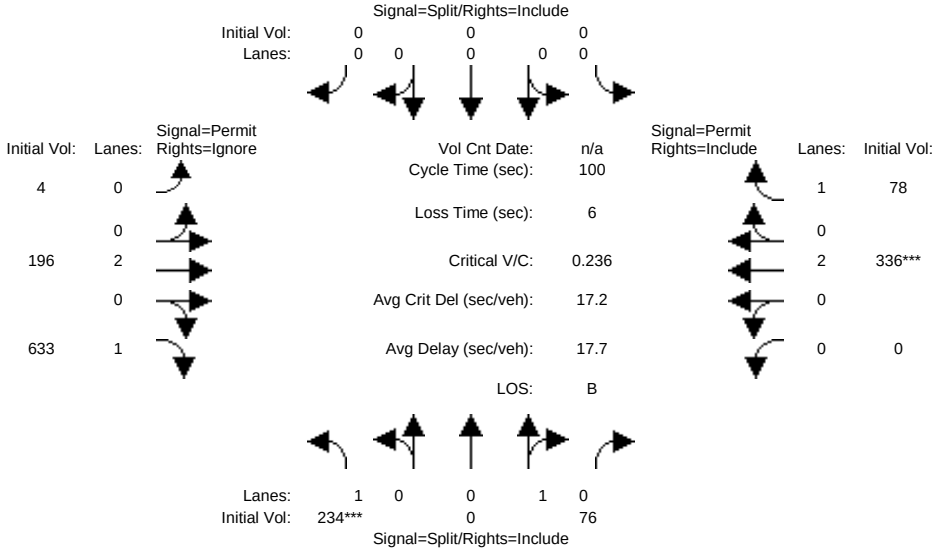
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #8: Tennant Ave / US-101 NB Ramps



Street Name:	US-101 NB Ramps						Tennant 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:	10	0	10	0	0	0	0	10	10	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:	234	0	76	0	0	0	4	196	633	0	336	78
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:	234	0	76	0	0	0	4	196	633	0	336	78
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:	234	0	76	0	0	0	4	196	633	0	336	78
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:	234	0	76	0	0	0	4	196	0	0	336	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	234	0	76	0	0	0	4	196	0	0	336	78
PCE 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
MLF 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
FinalVolume:	234	0	76	0	0	0	4	196	0	0	336	78
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	1.00	0.92	0.95	0.97	0.92	0.92	1.00	0.92
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.04	1.96	1.00	0.00	2.00	1.00
Final Sat.:	1750	0	1800	0	0	0	74	3626	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.13	0.00	0.04	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.09	0.04
Crit Moves:	****										****	
Green/Cycle:	0.57	0.00	0.57	0.00	0.00	0.00	0.37	0.37	0.00	0.00	0.37	0.37
Volume/Cap:	0.24	0.00	0.07	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.24	0.12
Delay/Veh:	11.0	0.0	9.9	0.0	0.0	0.0	20.8	20.8	0.0	0.0	21.6	20.6
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:	11.0	0.0	9.9	0.0	0.0	0.0	20.8	20.8	0.0	0.0	21.6	20.6
LOS by Move:	B+	A	A	A	A	A	C+	C+	A	A	C+	C+
HCM2kAvgQ:	4	0	1	0	0	0	2	2	0	0	4	2

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

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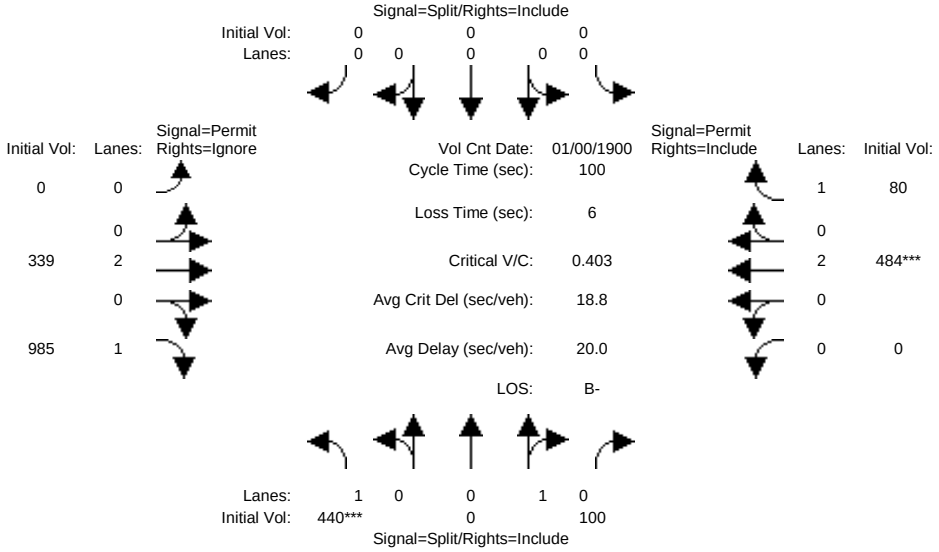
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project AM

Intersection #8: Tennant Ave / US-101 NB Ramps

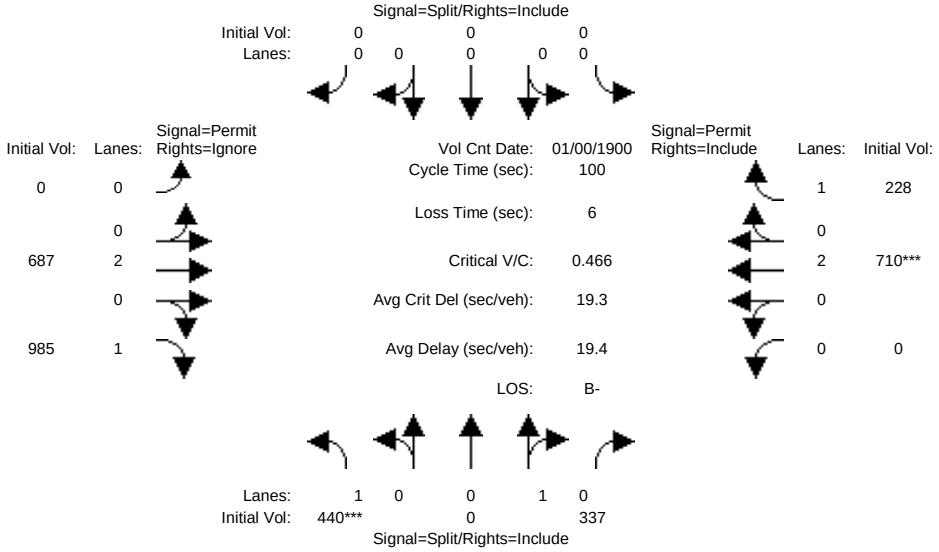



```
Street Name:         US-101 NB Ramps                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Min. Green:    10    0    10     0    0     0     0   10    10     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: 0 Jan 1900 << 12:00:00 AM
Base Vol:     390    0   100     0    0     0     0  330   930     0  470    80
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:  390    0   100     0    0     0     0  330   930     0  470    80
Added Vol:     50    0     0     0    0     0     0    9    55     0   14     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  440    0   100     0    0     0     0  339   985     0  484    80
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:   440    0   100     0    0     0     0  339     0     0  484    80
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  440    0   100     0    0     0     0  339     0     0  484    80
PCE 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
MLF 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
FinalVolume:  440    0   100     0    0     0     0  339     0     0  484    80
------------|---------------||---------------||---------------||---------------|
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 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  0.00 2.00  1.00  0.00 2.00  1.00
Final Sat.:  1750    0  1800     0    0     0     0 3800  1750     0 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.25 0.00  0.06  0.00 0.00  0.00  0.00 0.09  0.00  0.00 0.13  0.05
Crit Moves:  ****                                                   ****
Green/Cycle: 0.62 0.00  0.62  0.00 0.00  0.00  0.00 0.32  0.00  0.00 0.32  0.32
Volume/Cap:  0.40 0.00  0.09  0.00 0.00  0.00  0.00 0.28  0.00  0.00 0.40  0.14
Delay/Veh:    9.7  0.0   7.5   0.0  0.0   0.0   0.0 25.8   0.0   0.0 27.0  24.6
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:   9.7  0.0   7.5   0.0  0.0   0.0   0.0 25.8   0.0   0.0 27.0  24.6
LOS by Move:    A    A     A     A    A     A     A    C     A     A    C     C
HCM2kAvgQ:      7    0     1     0    0     0     0    4     0     0    6     2
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project AM

Intersection #8: Tennant Ave / US-101 NB Ramps




```
Street Name:         US-101 NB Ramps                    Tennant 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:    10    0    10     0    0     0     0   10    10     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: 0 Jan 1900 << 12:00:00 AM
Base Vol:     390    0   100     0    0     0     0  330   930     0  470    80
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:  390    0   100     0    0     0     0  330   930     0  470    80
Added Vol:     50    0   237     0    0     0     0  357    55     0  240   148
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  440    0   337     0    0     0     0  687   985     0  710   228
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:   440    0   337     0    0     0     0  687     0     0  710   228
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  440    0   337     0    0     0     0  687     0     0  710   228
PCE 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
MLF 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
FinalVolume:  440    0   337     0    0     0     0  687     0     0  710   228
------------|---------------||---------------||---------------||---------------|
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 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  0.00 2.00  1.00  0.00 2.00  1.00
Final Sat.:  1750    0  1800     0    0     0     0 3800  1750     0 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.25 0.00  0.19  0.00 0.00  0.00  0.00 0.18  0.00  0.00 0.19  0.13
Crit Moves:  ****                                                    ****
Green/Cycle: 0.54 0.00  0.54  0.00 0.00  0.00  0.00 0.40  0.00  0.00 0.40  0.40
Volume/Cap:  0.47 0.00  0.35  0.00 0.00  0.00  0.00 0.45  0.00  0.00 0.47  0.33
Delay/Veh:   14.5  0.0  13.3   0.0  0.0   0.0   0.0 22.1   0.0   0.0 22.3  20.9
User DelAdj: 1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
AdjDel/Veh:  14.5  0.0  13.3   0.0  0.0   0.0   0.0 22.1   0.0   0.0 22.3  20.9
LOS by Move:    B    A     B     A    A     A     A   C+     A     A   C+    C+
HCM2kAvgQ:      9    0     6     0    0     0     0    7     0     0    8     5
Note: Queue reported is the number of cars per lane.
```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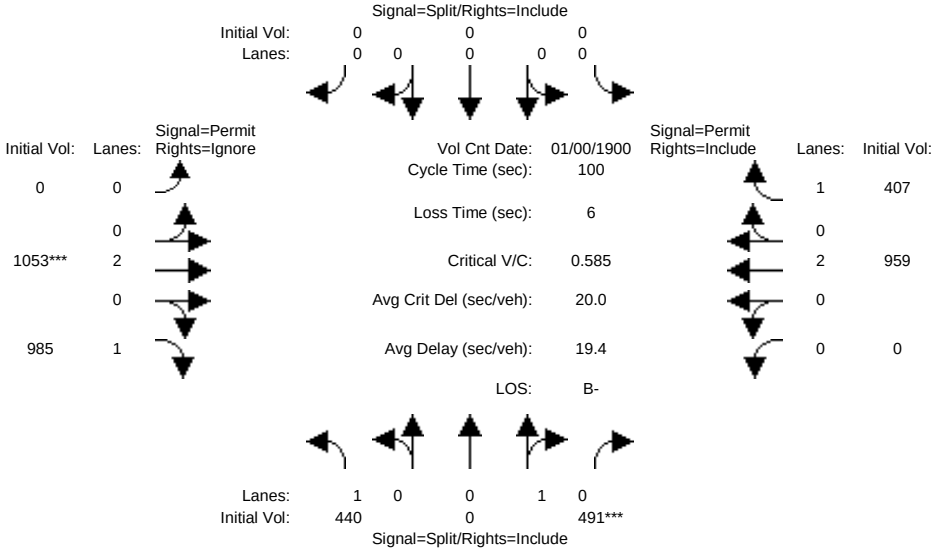
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #8: Tennant Ave / US-101 NB Ramps



Street Name:	US-101 NB Ramps						Tennant 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:	10	0	10	0	0	0	0	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	390	0	100	0	0	0	0	330	930	0	470	80
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:	390	0	100	0	0	0	0	330	930	0	470	80
Added Vol:	50	0	391	0	0	0	0	723	55	0	489	327
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	440	0	491	0	0	0	0	1053	985	0	959	407
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:	440	0	491	0	0	0	0	1053	0	0	959	407
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	440	0	491	0	0	0	0	1053	0	0	959	407
PCE 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
MLF 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
FinalVolume:	440	0	491	0	0	0	0	1053	0	0	959	407
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	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	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	1750	0	1800	0	0	0	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.25	0.00	0.27	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.25	0.23
Crit Moves:			****					****				
Green/Cycle:	0.47	0.00	0.47	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.47	0.47
Volume/Cap:	0.54	0.00	0.58	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.53	0.49
Delay/Veh:	19.8	0.0	20.7	0.0	0.0	0.0	0.0	19.7	0.0	0.0	18.8	18.5
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:	19.8	0.0	20.7	0.0	0.0	0.0	0.0	19.7	0.0	0.0	18.8	18.5
LOS by Move:	B-	A	C+	A	A	A	A	B-	A	A	B-	B-
HCM2kAvgQ:	11	0	12	0	0	0	0	11	0	0	10	9

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

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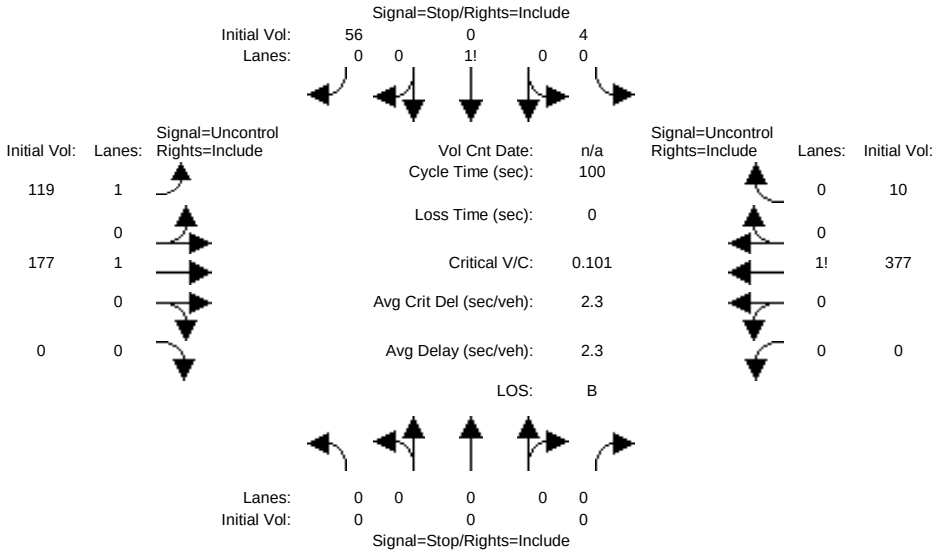
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0    0     0     4    0    56   119  177     0     0  377    10
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     4    0    56   119  177     0     0  377    10
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     4    0    56   119  177     0     0  377    10
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     4    0    56   119  177     0     0  377    10
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     4    0    56   119  177     0     0  377    10
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.4  6.5   6.2   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   797  797   382   387 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   358  322   670  1183 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   331  289   670  1183 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.01 0.00  0.08  0.10 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.3 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.4 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     A    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  627 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx  0.3 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx 11.3 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    B     *     *    *     *     *    *     *
ApproachDel:    xxxxxx             11.3           xxxxxx           xxxxxx
ApproachLOS:         *                B                *                *
Note: Queue reported is the number of cars per lane.
```

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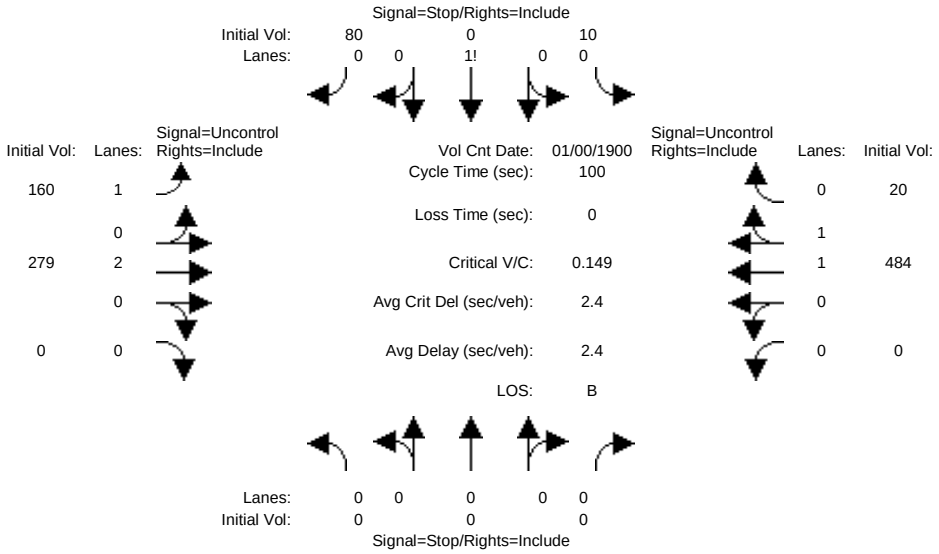
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project AM

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0    10    0    80   160  270     0     0  470    20
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    10    0    80   160  270     0     0  470    20
Added Vol:      0    0     0     0    0     0     0    9     0     0   14     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0    0     0    10    0    80   160  279     0     0  484    20
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    10    0    80   160  279     0     0  484    20
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0    10    0    80   160  279     0     0  484    20
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.8  6.5   6.9   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   954 1093   252   504 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   261  216   754  1071 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   231  184   754  1071 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.04 0.00  0.11  0.15 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.5 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   9.0 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     A    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  602 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx  0.5 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx 12.0 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    B     *     *    *     *     *    *     *
ApproachDel:    xxxxxx             12.0           xxxxxx           xxxxxx
ApproachLOS:         *                B                *                *
Note: Queue reported is the number of cars per lane.
```

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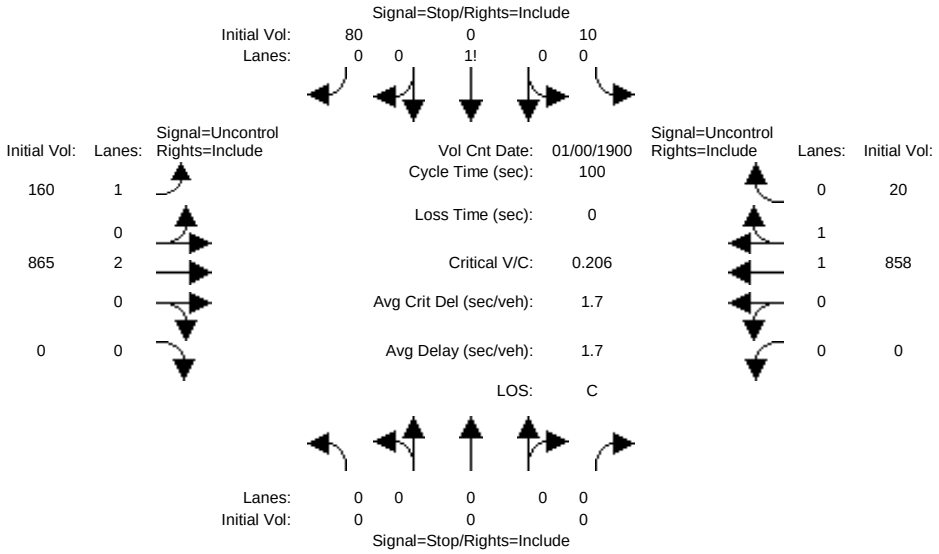
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project AM

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0    10    0    80   160  270     0     0  470    20
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    10    0    80   160  270     0     0  470    20
Added Vol:      0    0     0     0    0     0     0  595     0     0  388     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0    0     0    10    0    80   160  865     0     0  858    20
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    10    0    80   160  865     0     0  858    20
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0    10    0    80   160  865     0     0  858    20
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.8  6.5   6.9   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  1621 2053   439   878 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx    96   56   571   778 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx    81   45   571   778 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.12 0.00  0.14  0.21 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.8 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx  10.8 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     B    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  341 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx  1.0 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx 19.3 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    C     *     *    *     *     *    *     *
ApproachDel:    xxxxxx             19.3           xxxxxx           xxxxxx
ApproachLOS:         *                C                *                *
Note: Queue reported is the number of cars per lane.
```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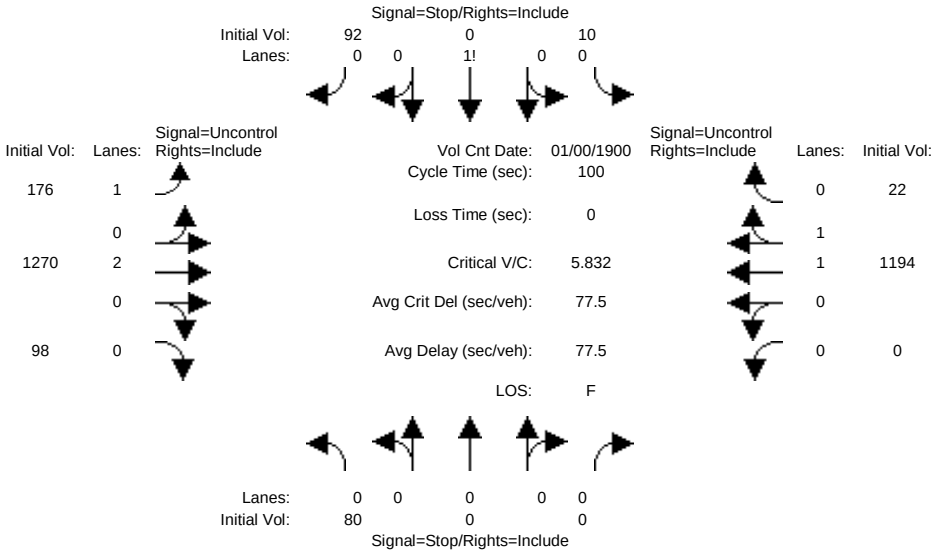
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0    10    0    80   160  270     0     0  470    20
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    10    0    80   160  270     0     0  470    20
Added Vol:     80    0     0     0    0    12    16 1000    98     0  724     2
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   80    0     0    10    0    92   176 1270    98     0 1194    22
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    0     0    10    0    92   176 1270    98     0 1194    22
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   80    0     0    10    0    92   176 1270    98     0 1194    22
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  7.5 xxxx xxxxx   7.5  6.5   6.9   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5 xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2268 xxxx xxxxx  2192 2925   608  1216 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:   23 xxxx xxxxx    26   15   444   581 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:     14 xxxx xxxxx    20   11   444   581 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  5.83 xxxx  xxxx  0.51 0.00  0.21  0.30 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   11.0 xxxx xxxxx  xxxx xxxx xxxxx   1.3 xxxx xxxxx  xxxx xxxx xxxxx
Control Del: 2722 xxxx xxxxx xxxxx xxxx xxxxx  13.9 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     B    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  143 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx  4.1 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx 76.2 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    F     *     *    *     *     *    *     *
ApproachDel:    2722.5             76.2           xxxxxx           xxxxxx
ApproachLOS:         F                F                *                *
Note: Queue reported is the number of cars per lane.
```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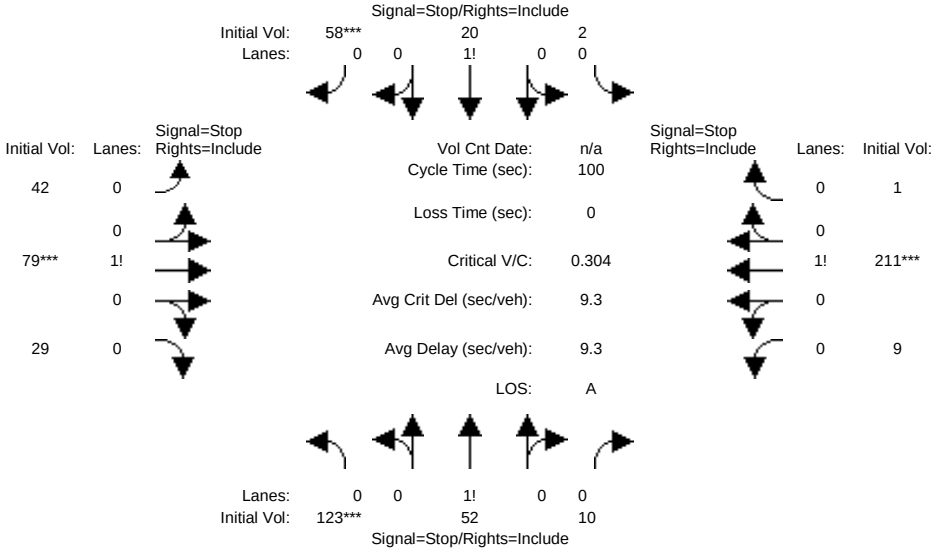
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Existing AM

Intersection #10: Tennant Ave / Murphy Ave



Street Name:	Murphy Ave						Tennant 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
Volume Module:												
Base Vol:	123	52	10	2	20	58	42	79	29	9	211	1
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	52	10	2	20	58	42	79	29	9	211	1
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	52	10	2	20	58	42	79	29	9	211	1
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	52	10	2	20	58	42	79	29	9	211	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	123	52	10	2	20	58	42	79	29	9	211	1
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	52	10	2	20	58	42	79	29	9	211	1
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:	0.67	0.28	0.05	0.02	0.25	0.73	0.28	0.53	0.19	0.04	0.95	0.01
Final Sat.:	456	193	37	18	180	523	201	378	139	30	695	3
Capacity Analysis Module:												
Vol/Sat:	0.27	0.27	0.27	0.11	0.11	0.11	0.21	0.21	0.21	0.30	0.30	0.30
Crit Moves:	****					****		****			****	
Delay/Veh:	9.7	9.7	9.7	8.1	8.1	8.1	8.9	8.9	8.9	9.7	9.7	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:	9.7	9.7	9.7	8.1	8.1	8.1	8.9	8.9	8.9	9.7	9.7	9.7
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	9.7			8.1			8.9			9.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.7			8.1			8.9			9.7		
LOS by Appr:	A			A			A			A		
AllWayAvgQ:	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.4	0.4

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

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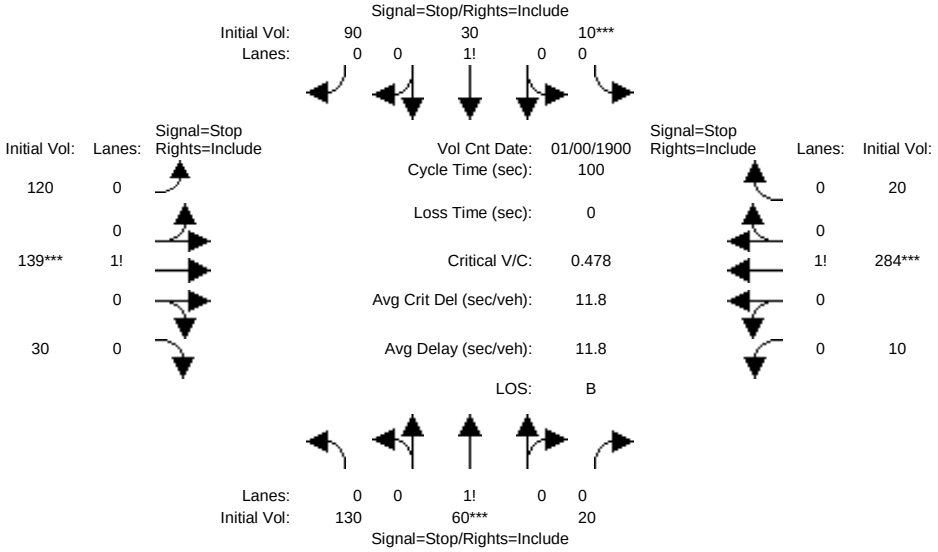
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
2030 No Project AM

Intersection #10: Tennant Ave / Murphy Ave



Street Name:	Murphy Ave						Tennant 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
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	130	60	20	10	30	90	120	130	30	10	270	20
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	60	20	10	30	90	120	130	30	10	270	20
Added Vol:	0	0	0	0	0	0	0	9	0	0	14	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	130	60	20	10	30	90	120	139	30	10	284	20
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:	130	60	20	10	30	90	120	139	30	10	284	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	60	20	10	30	90	120	139	30	10	284	20
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:	130	60	20	10	30	90	120	139	30	10	284	20
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	0.29	0.09	0.08	0.23	0.69	0.42	0.48	0.10	0.03	0.91	0.06
Final Sat.:	361	167	56	46	137	410	268	310	67	21	594	42
Capacity Analysis Module:												
Vol/Sat:	0.36	0.36	0.36	0.22	0.22	0.22	0.45	0.45	0.45	0.48	0.48	0.48
Crit Moves:		****		****				****			****	
Delay/Veh:	11.5	11.5	11.5	9.7	9.7	9.7	12.2	12.2	12.2	12.5	12.5	12.5
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:	11.5	11.5	11.5	9.7	9.7	9.7	12.2	12.2	12.2	12.5	12.5	12.5
LOS by Move:	B	B	B	A	A	A	B	B	B	B	B	B
ApproachDel:		11.5			9.7			12.2			12.5	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		11.5			9.7			12.2			12.5	
LOS by Appr:		B			A			B			B	
AllWayAvgQ:	0.5	0.5	0.5	0.2	0.2	0.2	0.7	0.7	0.7	0.8	0.8	0.8

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

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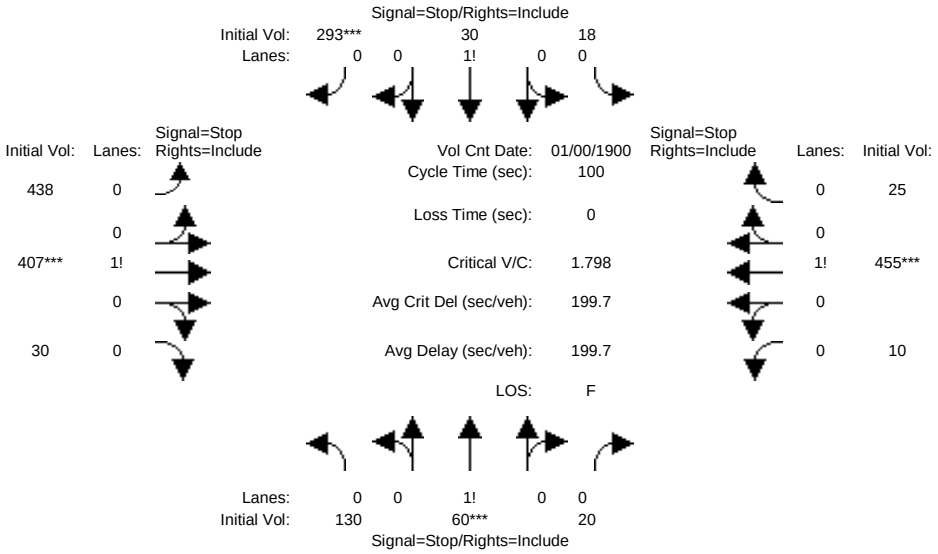
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
2030 + Project AM

Intersection #10: Tennant Ave / Murphy Ave



Street Name:	Murphy Ave						Tennant 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
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	130	60	20	10	30	90	120	130	30	10	270	20
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	60	20	10	30	90	120	130	30	10	270	20
Added Vol:	0	0	0	8	0	203	318	277	0	0	185	5
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	130	60	20	18	30	293	438	407	30	10	455	25
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:	130	60	20	18	30	293	438	407	30	10	455	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	60	20	18	30	293	438	407	30	10	455	25
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:	130	60	20	18	30	293	438	407	30	10	455	25
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	0.29	0.09	0.05	0.09	0.86	0.50	0.47	0.03	0.02	0.93	0.05
Final Sat.:	254	117	39	25	42	409	244	226	17	10	458	25
Capacity Analysis Module:												
Vol/Sat:	0.51	0.51	0.51	0.72	0.72	0.72	1.80	1.80	1.80	0.99	0.99	0.99
Crit Moves:		****				****		****			****	
Delay/Veh:	19.6	19.6	19.6	26.5	26.5	26.5	385.3	385	385.3	66.0	66.0	66.0
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:	19.6	19.6	19.6	26.5	26.5	26.5	385.3	385	385.3	66.0	66.0	66.0
LOS by Move:	C	C	C	D	D	D	F	F	F	F	F	F
ApproachDel:		19.6			26.5			385.3			66.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		19.6			26.5			385.3			66.0	
LOS by Appr:		C			D			F			F	
AllWayAvgQ:	0.9	0.9	0.9	2.1	2.1	2.1	50.7	50.7	50.7	7.6	7.6	7.6

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

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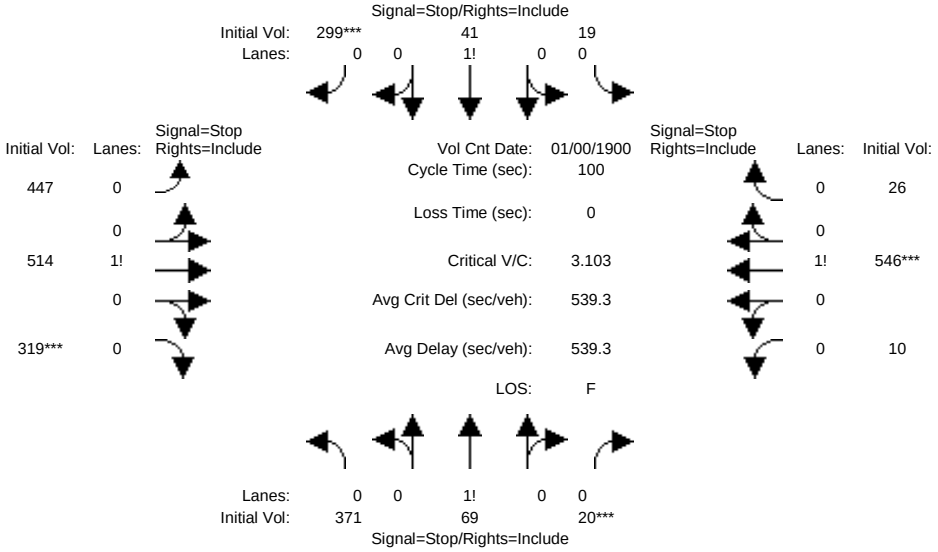
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #10: Tennant Ave / Murphy Ave




```
Street Name:            Murphy Ave                          Tennant 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
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:     130   60    20    10   30    90   120  130    30    10  270    20
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   60    20    10   30    90   120  130    30    10  270    20
Added Vol:    241    9     0     9   11   209   327  384   289     0  276     6
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  371   69    20    19   41   299   447  514   319    10  546    26
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   69    20    19   41   299   447  514   319    10  546    26
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  371   69    20    19   41   299   447  514   319    10  546    26
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   69    20    19   41   299   447  514   319    10  546    26
------------|---------------||---------------||---------------||---------------|
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:       0.81 0.15  0.04  0.05 0.11  0.84  0.35 0.40  0.25  0.02 0.94  0.04
Final Sat.:   325   60    18    22   48   347   144  166   103     7  385    18
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     1.14 1.14  1.14  0.86 0.86  0.86  3.10 3.10  3.10  1.42 1.42  1.42
Crit Moves:             ****             ****             ****       ****
Delay/Veh:  119.0  119 119.0  46.1 46.1  46.1 970.8  971 970.8 226.9  227 226.9
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: 119.0  119 119.0  46.1 46.1  46.1 970.8  971 970.8 226.9  227 226.9
LOS by Move:    F    F     F     E    E     E     F    F     F     F    F     F
ApproachDel:     119.0             46.1            970.8            226.9
Delay Adj:        1.00             1.00             1.00             1.00
ApprAdjDel:      119.0             46.1            970.8            226.9
LOS by Appr:         F                E                F                F
AllWayAvgQ:  12.0 12.0  12.0   4.0  4.0   4.0   110  110 109.9  24.5 24.5  24.5
Note: Queue reported is the number of cars per lane.
```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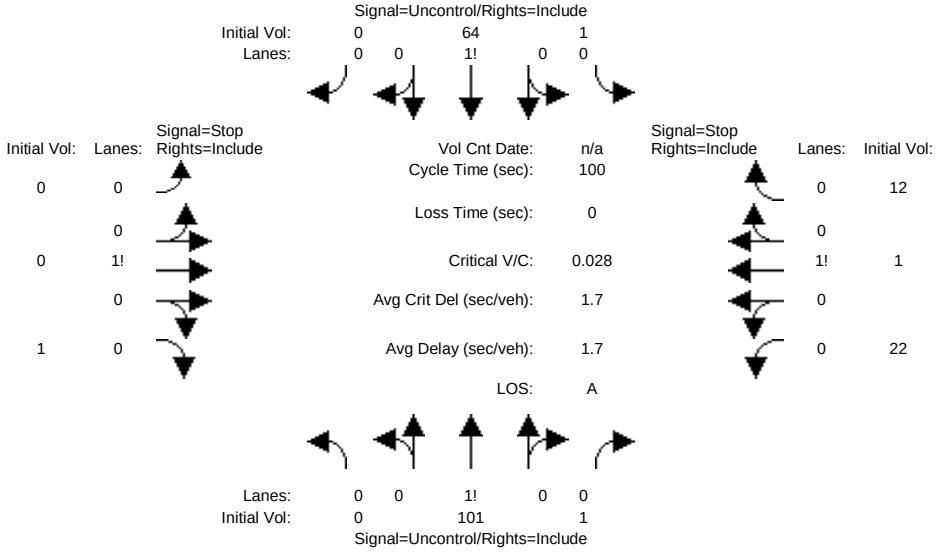
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #11: Murphy Ave / Barrett Ave



Street Name:	Murphy Ave						Barrett Ave					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Volume Module:												
Base Vol:	0	101	1	1	64	0	0	0	1	22	1	12
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	101	1	1	64	0	0	0	1	22	1	12
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	101	1	1	64	0	0	0	1	22	1	12
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	101	1	1	64	0	0	0	1	22	1	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	101	1	1	64	0	0	0	1	22	1	12
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxx	xxxx	6.2	7.1	6.5	6.2
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	xxxxx	xxxx	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	102	xxxx	xxxxx	xxxx	xxxx	64	168	168	102
Potent Cap.:	xxxx	xxxx	xxxxx	1503	xxxx	xxxxx	xxxx	xxxx	1006	800	729	959
Move Cap.:	xxxx	xxxx	xxxxx	1503	xxxx	xxxxx	xxxx	xxxx	1006	799	728	959
Volume/Cap:	xxxx	xxxx	xxxx	0.00	xxxx	xxxx	xxxx	xxxx	0.00	0.03	0.00	0.01
Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxx	xxxx	0.0	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	7.4	xxxx	xxxxx	xxxxx	xxxx	8.6	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	A	*	*	*	*	A	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	845	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.1	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	7.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	9.4	xxxxx
Shared LOS:	*	*	*	A	*	*	*	*	*	*	A	*
ApproachDel:	xxxxxx			xxxxxx			8.6			9.4		
ApproachLOS:	*			*			A			A		

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

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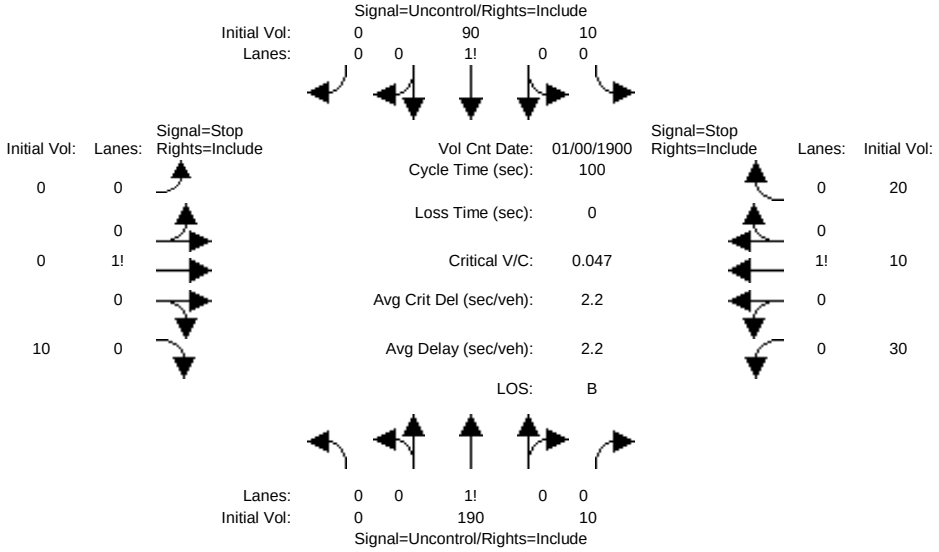
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project AM

Intersection #11: Murphy Ave / Barrett Ave




```
Street Name:            Murphy Ave                        Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  190    10    10   90     0     0    0    10    30   10    20
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  190    10    10   90     0     0    0    10    30   10    20
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  190    10    10   90     0     0    0    10    30   10    20
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  190    10    10   90     0     0    0    10    30   10    20
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  190    10    10   90     0     0    0    10    30   10    20
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx   6.2   7.1  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx   3.3   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   200 xxxx xxxxx  xxxx xxxx    90   310  305   195
Potent Cap.: xxxx xxxx xxxxx  1384 xxxx xxxxx  xxxx xxxx   973   646  612   851
Move Cap.:   xxxx xxxx xxxxx  1384 xxxx xxxxx  xxxx xxxx   973   636  607   851
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  xxxx xxxx  0.01  0.05 0.02  0.02
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx   0.0  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx   8.7 xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     A     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  689 xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.3 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.7 xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx               8.7             10.7
ApproachLOS:         *                *                 A                B
Note: Queue reported is the number of cars per lane.
```

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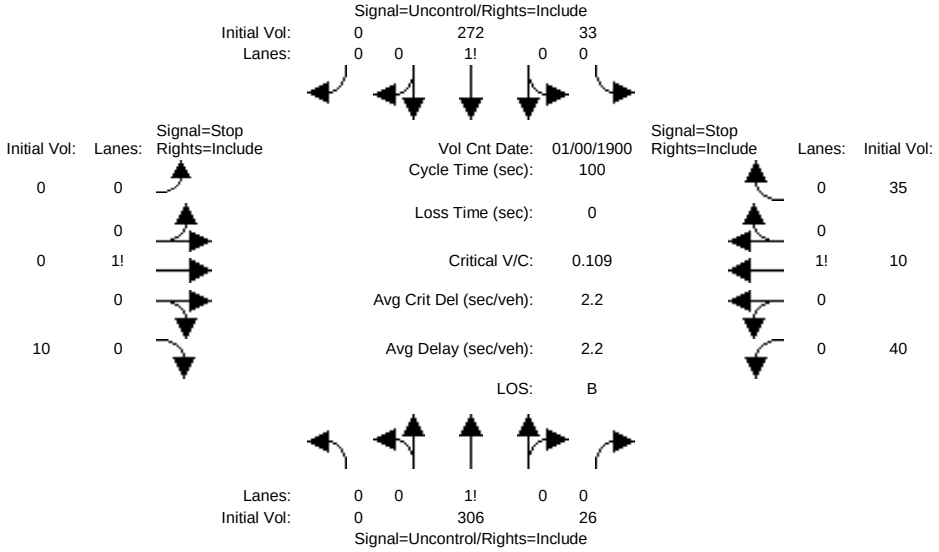
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project AM

Intersection #11: Murphy Ave / Barrett Ave

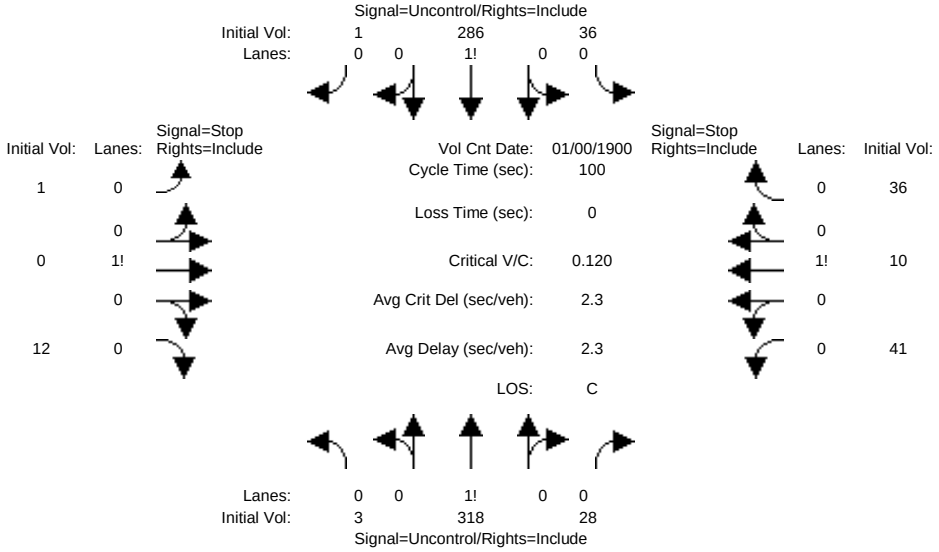



```
Street Name:            Murphy Ave                      Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  190    10    10   90     0     0    0    10    30   10    20
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  190    10    10   90     0     0    0    10    30   10    20
Added Vol:      0  116    16    23  182     0     0    0     0    10    0    15
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0  306    26    33  272     0     0    0    10    40   10    35
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  306    26    33  272     0     0    0    10    40   10    35
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  306    26    33  272     0     0    0    10    40   10    35
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx   6.2   7.1  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx   3.3   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   332 xxxx xxxxx  xxxx xxxx   272   662  657   319
Potent Cap.: xxxx xxxx xxxxx  1239 xxxx xxxxx  xxxx xxxx   772   378  387   726
Move Cap.:   xxxx xxxx xxxxx  1239 xxxx xxxxx  xxxx xxxx   772   365  377   726
Volume/Cap:  xxxx xxxx  xxxx  0.03 xxxx  xxxx  xxxx xxxx  0.01  0.11 0.03  0.05
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.1 xxxx xxxxx  xxxx xxxx   0.0  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   8.0 xxxx xxxxx xxxxx xxxx   9.7 xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     A     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  461 xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.7 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   8.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx 14.6 xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx               9.7             14.6
ApproachLOS:         *                *                 A                B
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #11: Murphy Ave / Barrett Ave




```
Street Name:            Murphy Ave                          Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  190    10    10   90     0     0    0    10    30   10    20
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  190    10    10   90     0     0    0    10    30   10    20
Added Vol:      3  128    18    26  196     1     1    0     2    11    0    16
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    3  318    28    36  286     1     1    0    12    41   10    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:     3  318    28    36  286     1     1    0    12    41   10    36
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    3  318    28    36  286     1     1    0    12    41   10    36
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx   4.1 xxxx xxxxx   7.1  6.5   6.2   7.1  6.5   6.2
FollowUpTim:  2.2 xxxx xxxxx   2.2 xxxx xxxxx   3.5  4.0   3.3   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  287 xxxx xxxxx   346 xxxx xxxxx   720  711   287   703  697   332
Potent Cap.: 1287 xxxx xxxxx  1224 xxxx xxxxx   346  361   757   355  367   714
Move Cap.:   1287 xxxx xxxxx  1224 xxxx xxxxx   314  349   757   341  355   714
Volume/Cap:  0.00 xxxx  xxxx  0.03 xxxx  xxxx  0.00 0.00  0.02  0.12 0.03  0.05
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx   0.1 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.8 xxxx xxxxx   8.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  683 xxxxx  xxxx  438 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx  0.7 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.4 xxxxx xxxxx 15.3 xxxxx
Shared LOS:     *    *     *     *    *     *     *    B     *     *    C     *
ApproachDel:    xxxxxx           xxxxxx             10.4             15.3
ApproachLOS:         *                *                B                C
Note: Queue reported is the number of cars per lane.
```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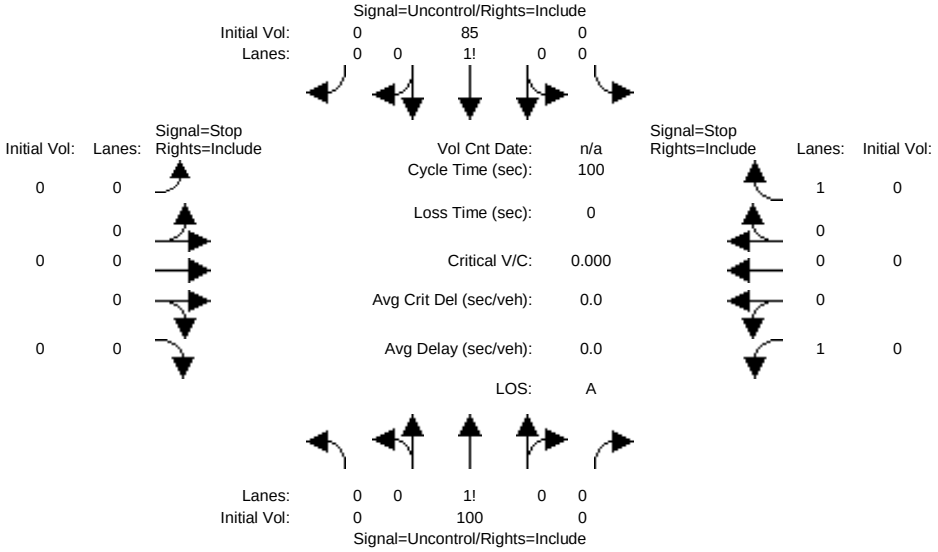
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #12: Murphy Ave / HS Driveway #1



Street Name:	Murphy Ave						HS Driveway #1					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Volume Module:												
Base Vol:	0	100	0	0	85	0	0	0	0	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	100	0	0	85	0	0	0	0	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	100	0	0	85	0	0	0	0	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	100	0	0	85	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	100	0	0	85	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	185	xxxx	100
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	809	xxxx	961
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	809	xxxx	961
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	xxxx	0.00
Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

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

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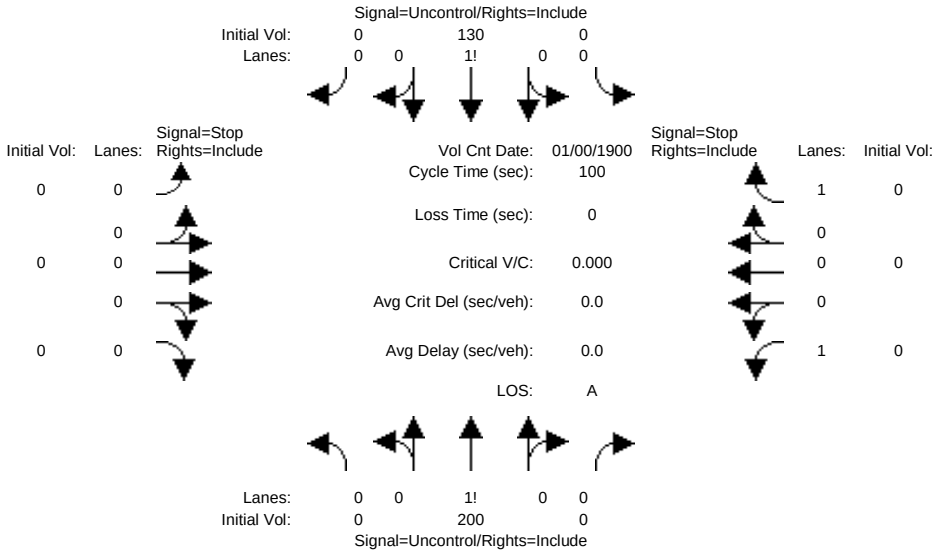
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project AM

Intersection #12: Murphy Ave / HS Driveway #1




```
Street Name:            Murphy Ave                      HS Driveway #1
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  200     0     0  130     0     0    0     0     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  200     0     0  130     0     0    0     0     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  200     0     0  130     0     0    0     0     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  200     0     0  130     0     0    0     0     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  200     0     0  130     0     0    0     0     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4 xxxx   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5 xxxx   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   330 xxxx   200
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   669 xxxx   846
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   669 xxxx   846
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.00 xxxx  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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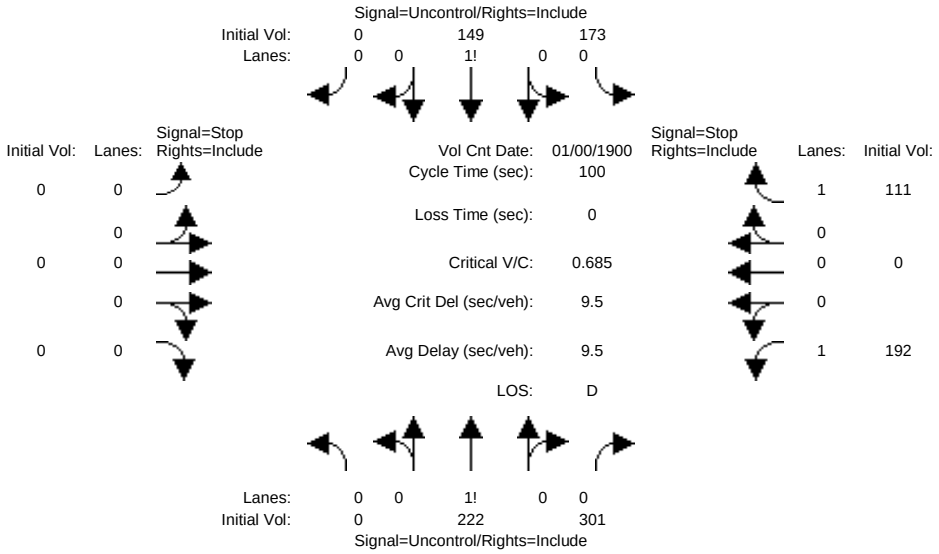
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project AM

Intersection #12: Murphy Ave / HS Driveway #1




```
Street Name:            Murphy Ave                      HS Driveway #1
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  200     0     0  130     0     0    0     0     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  200     0     0  130     0     0    0     0     0    0     0
Added Vol:      0   22   301   173   19     0     0    0     0   192    0   111
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0  222   301   173  149     0     0    0     0   192    0   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:     0  222   301   173  149     0     0    0     0   192    0   111
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  222   301   173  149     0     0    0     0   192    0   111
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4 xxxx   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5 xxxx   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   523 xxxx xxxxx  xxxx xxxx xxxxx   868 xxxx   373
Potent Cap.: xxxx xxxx xxxxx  1054 xxxx xxxxx  xxxx xxxx xxxxx   326 xxxx   678
Move Cap.:   xxxx xxxx xxxxx  1054 xxxx xxxxx  xxxx xxxx xxxxx   280 xxxx   678
Volume/Cap:  xxxx xxxx  xxxx  0.16 xxxx  xxxx  xxxx xxxx  xxxx  0.69 xxxx  0.16
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.6 xxxx xxxxx  xxxx xxxx xxxxx   4.6 xxxx   0.6
Control Del:xxxxx xxxx xxxxx   9.1 xxxx xxxxx xxxxx xxxx xxxxx  41.8 xxxx  11.3
LOS by Move:    *    *     *     A    *     *     *    *     *     E    *     B
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   9.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             30.6
ApproachLOS:         *                *                *                 D
Note: Queue reported is the number of cars per lane.
```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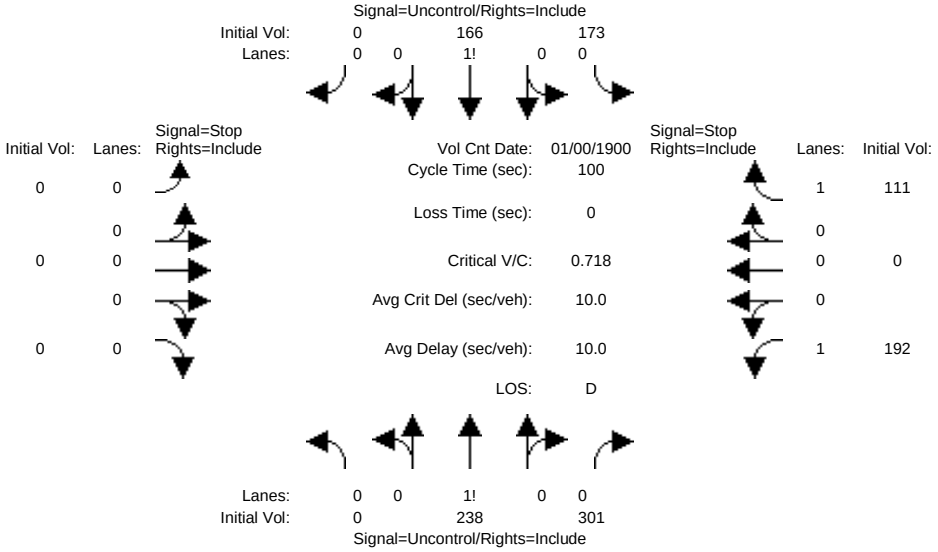
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #12: Murphy Ave / HS Driveway #1




```
Street Name:            Murphy Ave                      HS Driveway #1
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  200     0     0  130     0     0    0     0     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  200     0     0  130     0     0    0     0     0    0     0
Added Vol:      0   38   301   173   36     0     0    0     0   192    0   111
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0  238   301   173  166     0     0    0     0   192    0   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:     0  238   301   173  166     0     0    0     0   192    0   111
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  238   301   173  166     0     0    0     0   192    0   111
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4 xxxx   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5 xxxx   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   539 xxxx xxxxx  xxxx xxxx xxxxx   901 xxxx   389
Potent Cap.: xxxx xxxx xxxxx  1040 xxxx xxxxx  xxxx xxxx xxxxx   311 xxxx   664
Move Cap.:   xxxx xxxx xxxxx  1040 xxxx xxxxx  xxxx xxxx xxxxx   267 xxxx   664
Volume/Cap:  xxxx xxxx  xxxx  0.17 xxxx  xxxx  xxxx xxxx  xxxx  0.72 xxxx  0.17
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.6 xxxx xxxxx  xxxx xxxx xxxxx   5.0 xxxx   0.6
Control Del:xxxxx xxxx xxxxx   9.2 xxxx xxxxx xxxxx xxxx xxxxx  46.6 xxxx  11.5
LOS by Move:    *    *     *     A    *     *     *    *     *     E    *     B
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   9.2 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             33.7
ApproachLOS:         *                *                *                 D
Note: Queue reported is the number of cars per lane.
```

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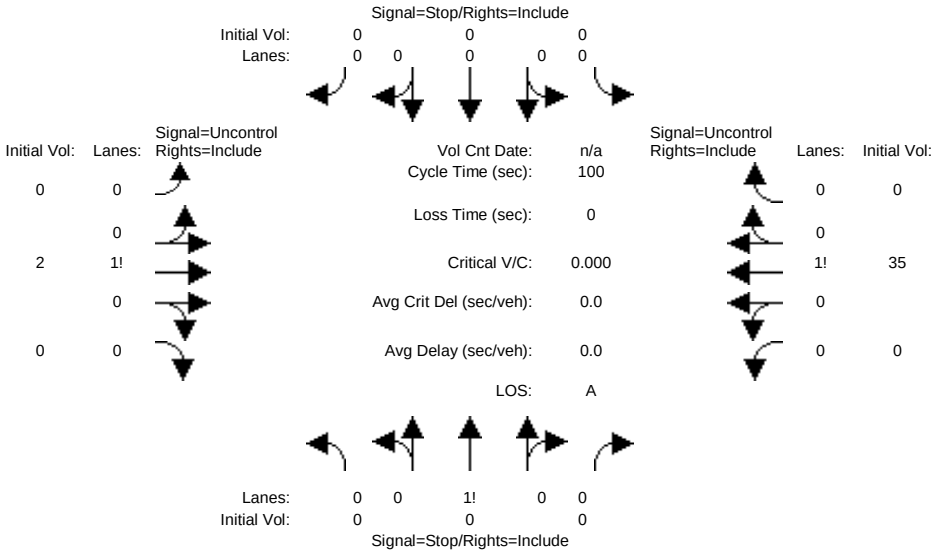
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0    0     0     0    0     0     0    2     0     0   35     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     0    0     0     0    2     0     0   35     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    0     0     0    0     0     0    2     0     0   35     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    0     0     0    0     0     0    2     0     0   35     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     0    0     0     0    2     0     0   35     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4  6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5  4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   37   37     2  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  981  859  1088  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    981  859  1088  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.00 0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx    0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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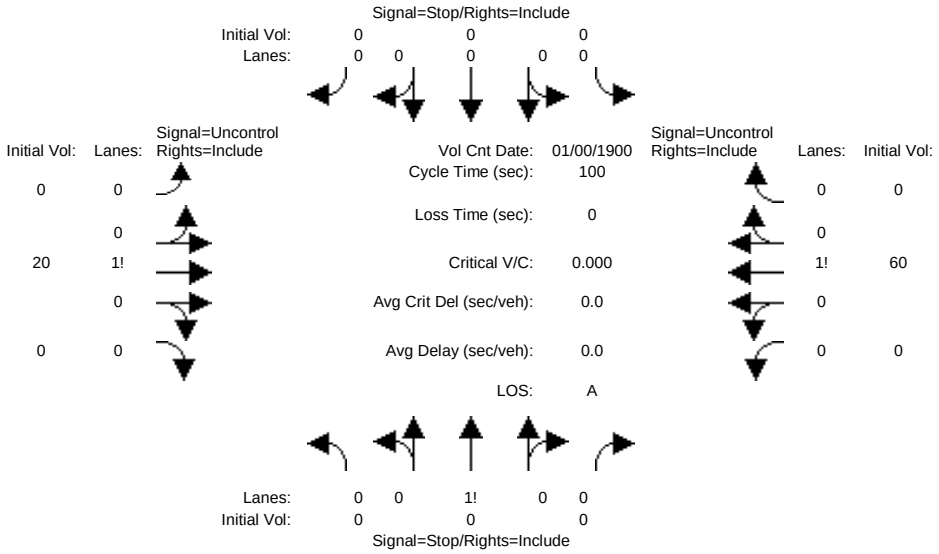
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project AM

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0   20     0     0   60     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     0    0     0     0   20     0     0   60     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    0     0     0    0     0     0   20     0     0   60     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    0     0     0    0     0     0   20     0     0   60     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     0    0     0     0   20     0     0   60     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4  6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5  4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   80   80    20  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  927  814  1064  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    927  814  1064  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.00 0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx    0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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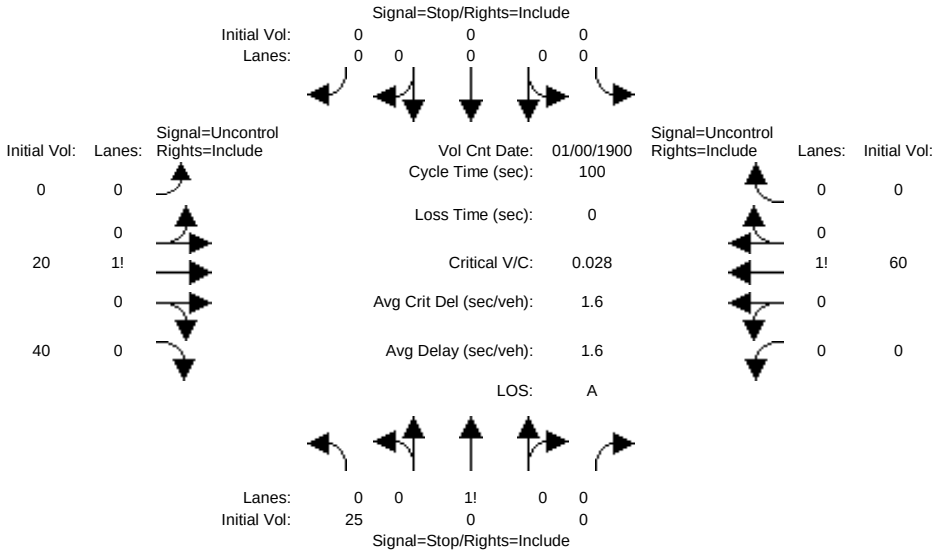
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project AM

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0   20     0     0   60     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     0    0     0     0   20     0     0   60     0
Added Vol:     25    0     0     0    0     0     0    0    40     0    0     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   25    0     0     0    0     0     0   20    40     0   60     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:    25    0     0     0    0     0     0   20    40     0   60     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   25    0     0     0    0     0     0   20    40     0   60     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  100 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  904 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    904 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.03 xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.1 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  9.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:       9.1           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         A                 *                 *                 *
Note: Queue reported is the number of cars per lane.
```

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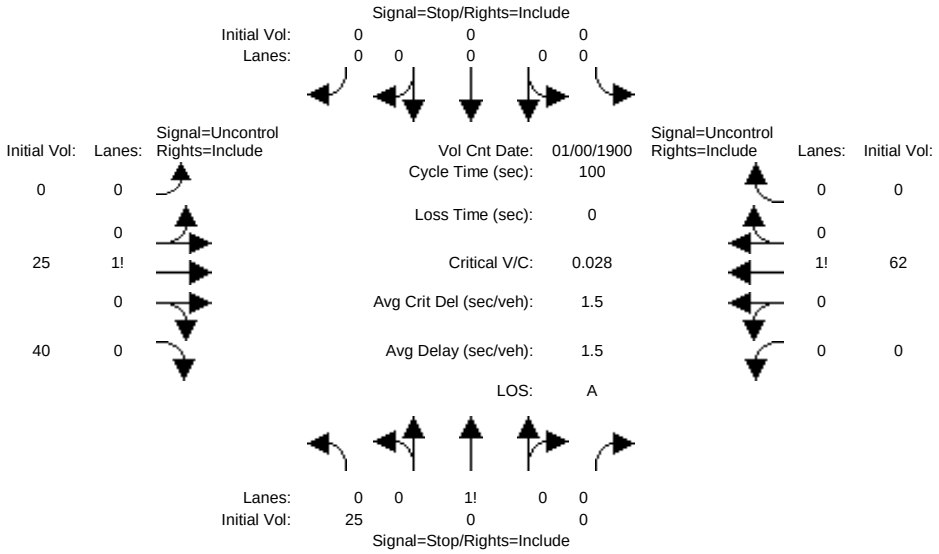
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0   20     0     0   60     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     0    0     0     0   20     0     0   60     0
Added Vol:     25    0     0     0    0     0     0    5    40     0    2     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   25    0     0     0    0     0     0   25    40     0   62     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:    25    0     0     0    0     0     0   25    40     0   62     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   25    0     0     0    0     0     0   25    40     0   62     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  107 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  895 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    895 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.03 xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.1 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  9.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:       9.1           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         A                 *                 *                 *
Note: Queue reported is the number of cars per lane.
```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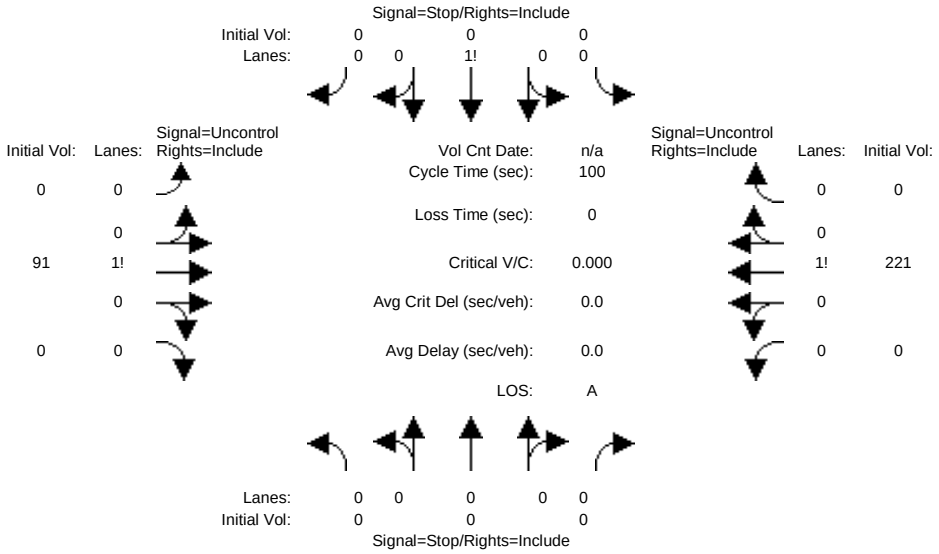
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #14: Tennant Ave / HS Driveway #3




```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0    0     0     0    0     0     0   91     0     0  221     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     0    0     0     0   91     0     0  221     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    0     0     0    0     0     0   91     0     0  221     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    0     0     0    0     0     0   91     0     0  221     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     0    0     0     0   91     0     0  221     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   312  312   221  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   685  606   824  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   685  606   824  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.00 0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx    0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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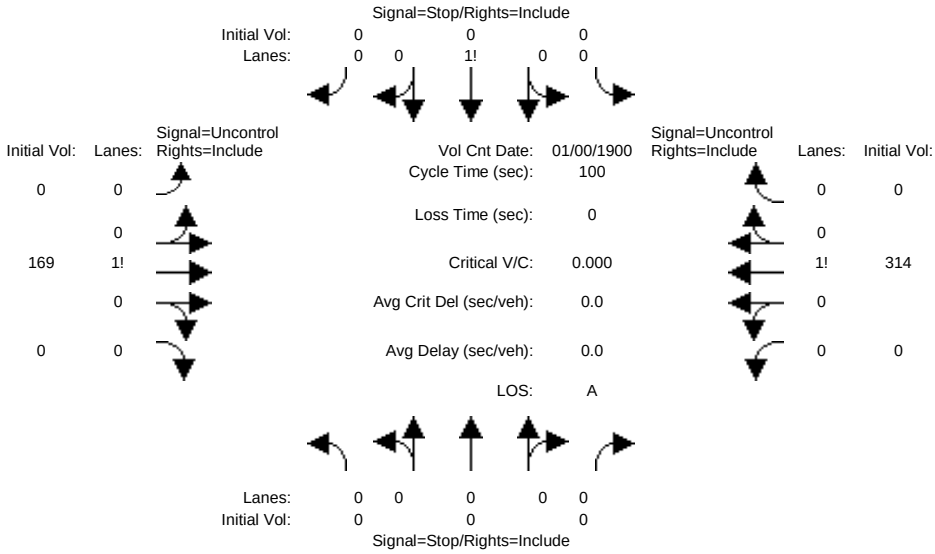
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project AM

Intersection #14: Tennant Ave / HS Driveway #3




```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0  160     0     0  300     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     0    0     0     0  160     0     0  300     0
Added Vol:      0    0     0     0    0     0     0    9     0     0   14     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0    0     0     0    0     0     0  169     0     0  314     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    0     0     0    0     0     0  169     0     0  314     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     0    0     0     0  169     0     0  314     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   483  483   314  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   546  486   731  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   546  486   731  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.00 0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx    0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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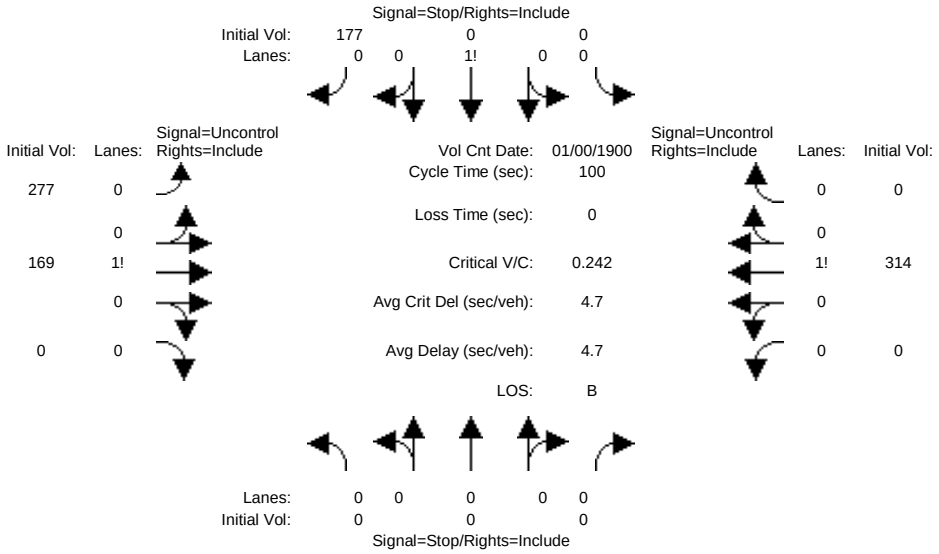
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project AM

Intersection #14: Tennant Ave / HS Driveway #3

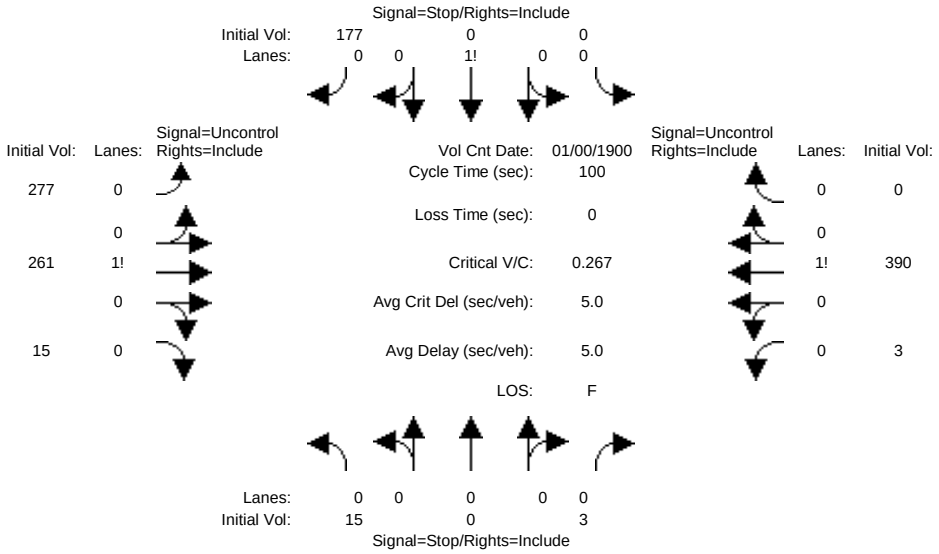



```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0     0     0     0     0     0     0   160     0     0   300     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     0     0     0     0   160     0     0   300     0
Added Vol:      0     0     0     0     0   177   277     9     0     0    14     0
PasserByVol:    0     0     0     0     0     0     0     0     0     0     0     0
Initial Fut:    0     0     0     0     0   177   277   169     0     0   314     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     0     0     0     0   177   277   169     0     0   314     0
Reduct Vol:     0     0     0     0     0     0     0     0     0     0     0     0
FinalVolume:    0     0     0     0     0   177   277   169     0     0   314     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx   6.2   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx   314   314 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx   731  1258 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx   731  1258 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  0.24  0.22 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx   0.9   0.8 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx  11.5   8.7 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     B     A    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.8 xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.7 xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     A    *     *     *    *     *
ApproachDel:    xxxxxx             11.5           xxxxxx           xxxxxx
ApproachLOS:         *                B                *                *
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project AM

Intersection #14: Tennant Ave / HS Driveway #3




```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0  160     0     0  300     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     0    0     0     0  160     0     0  300     0
Added Vol:     15    0     3     0    0   177   277  101    15     3   90     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   15    0     3     0    0   177   277  261    15     3  390     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:    15    0     3     0    0   177   277  261    15     3  390     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   15    0     3     0    0   177   277  261    15     3  390     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  7.1  6.5   6.2 xxxxx xxxx   6.2   4.1 xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5  4.0   3.3 xxxxx xxxx   3.3   2.2 xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 1307 1219   269  xxxx xxxx   390   390 xxxx xxxxx   276 xxxx xxxxx
Potent Cap.:  138  182   775  xxxx xxxx   663  1180 xxxx xxxxx  1299 xxxx xxxxx
Move Cap.:     79  131   775  xxxx xxxx   663  1180 xxxx xxxxx  1299 xxxx xxxxx
Volume/Cap:  0.19 0.00  0.00  xxxx xxxx  0.27  0.23 xxxx  xxxx  0.00 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx   1.1   0.9 xxxx xxxxx   0.0 xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx  12.4   9.0 xxxx xxxxx   7.8 xxxx xxxxx
LOS by Move:    *    *     *     *    *     B     A    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx   93 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx  0.7 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.0 xxxx xxxxx
Shrd ConDel:xxxxx 52.6 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   7.8 xxxx xxxxx
Shared LOS:     *    F     *     *    *     *     *    *     *     A    *     *
ApproachDel:      52.6             12.4           xxxxxx           xxxxxx
ApproachLOS:         F                B                *                *
Note: Queue reported is the number of cars per lane.
```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Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Summary Scenario Comparison Report (With Average Critical Delay)
Future Volume Alternative

Intersection		Existing PM				2030 No Project PM				2030 + Project PM						2030 + Rec Uses + Project PM			
		LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Crit V/C Change	Avg Crit Del (sec)	Avg Crit Del Change	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)
#1	Dunne Ave / US-101 SB Ramps	C	26.2	0.654	29.6	C	29.0	0.735	34.4	C	29.0	0.735	+ 0.000	34.4	+ 0.0	C	29.5	0.718	34.1
#2	Dunne Ave / US-101 NB Ramps	B	15.1	0.367	15.4	B	15.3	0.377	15.5	B	15.1	0.386	+ 0.008	15.1	- 0.4	B	14.9	0.411	15.0
#3	Dunne Ave / Condit Rd	C	24.0	0.356	26.8	C	26.4	0.453	24.0	C	26.4	0.458	+ 0.005	23.8	- 0.2	C	26.8	0.501	24.5
#4	Dunne Ave / Murphy Ave	B	14.9	0.303	12.3	C	23.8	0.482	21.7	C	23.7	0.484	+ 0.003	21.8	+ 0.1	C	23.8	0.503	22.4
#5	Tennant Ave / Butterfield Blvd	C	26.5	0.650	30.1	C-	33.9	0.761	36.2	C-	34.1	0.767	+ 0.006	36.5	+ 0.3	D	42.1	0.871	46.2
#6	Tennant Ave / Juan Hernandez Dr	A	6.5	0.351	8.6	B	17.8	0.728	22.6	B	17.9	0.733	+ 0.005	22.6	+ 0.1	B-	18.4	0.794	23.7
#7	Tennant Ave / US-101 SB Ramps	C	30.1	0.626	30.5	E-	78.1	1.087	96.6	F	84.7	1.121	+ 0.034	107.0	+ 10.5	F	153.3	1.395	226.9
#8	Tennant Ave / US-101 NB Ramps	B-	19.3	0.262	18.9	C	23.1	0.533	20.9	C	23.6	0.547	+ 0.014	21.6	+ 0.7	C	24.9	0.787	27.4
#9	Tennant Ave / Condit Rd	B	2.2	0.087	2.2	B	2.9	0.178	2.9	B	2.7	0.193	+ 0.016	2.7	- 0.2	F	675.6	34.675	675.6
#10	Tennant Ave / Murphy Ave	A	9.3	0.393	9.3	C	15.1	0.730	15.1	D	25.6	0.912	+ 0.182	25.6	+ 10.5	F	745.0	3.686	745.0
#11	Murphy Ave / Barrett Ave	A	1.2	0.012	1.2	A	1.2	0.029	1.2	B	1.2	0.036	+ 0.008	1.2	+ 0.1	B	1.6	0.058	1.6
#12	Murphy Ave / HS Driveway #1	A	0.0	0.000	0.0	A	0.0	0.000	0.0	B	2.5	0.096	+ 0.096	2.5	+ 2.5	B	2.2	0.114	2.2
#13	Barrett Ave / HS Driveway #2	A	0.0	0.000	0.0	A	0.0	0.000	0.0	A	1.1	0.008	+ 0.008	1.1	+ 1.1	A	0.9	0.009	0.9
#14	Tennant Ave / HS Driveway #3	A	0.0	0.000	0.0	A	0.0	0.000	0.0	A	1.3	0.066	+ 0.066	1.3	+ 1.3	D	3.2	0.340	3.2

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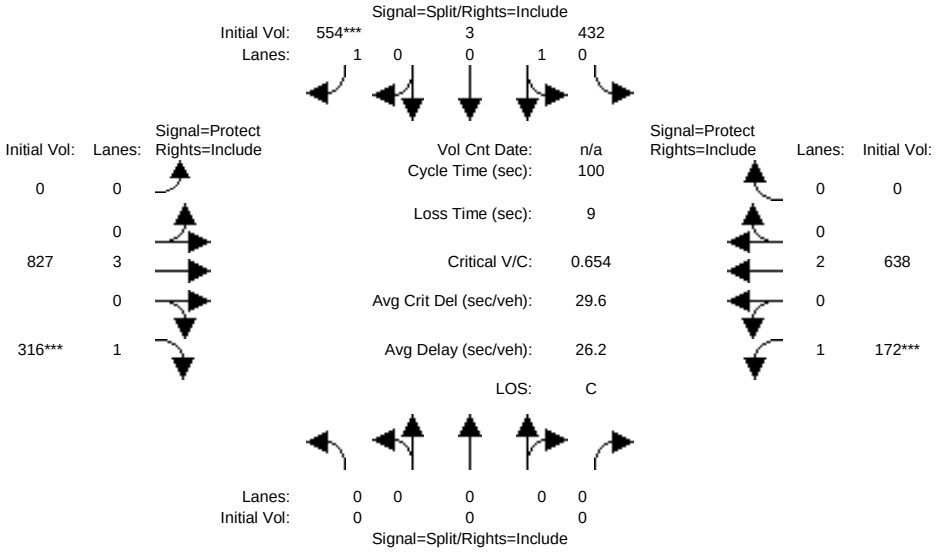
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #1: Dunne Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Dunne 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	10	10	10	0	10	10	7	10	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	0	0	432	3	554	0	827	316	172	638	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	432	3	554	0	827	316	172	638	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	0	0	432	3	554	0	827	316	172	638	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	0	0	432	3	554	0	827	316	172	638	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	432	3	554	0	827	316	172	638	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	0	0	432	3	554	0	827	316	172	638	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	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	0.99	0.01	1.00	0.00	3.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1788	12	1750	0	5700	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.24	0.24	0.32	0.00	0.15	0.18	0.10	0.17	0.00
Crit Moves:						****			****	****		
Green/Cycle:	0.00	0.00	0.00	0.48	0.48	0.48	0.00	0.28	0.28	0.15	0.43	0.00
Volume/Cap:	0.00	0.00	0.00	0.50	0.50	0.65	0.00	0.53	0.65	0.65	0.39	0.00
Delay/Veh:	0.0	0.0	0.0	18.0	18.0	21.3	0.0	31.0	35.2	45.9	19.9	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:	0.0	0.0	0.0	18.0	18.0	21.3	0.0	31.0	35.2	45.9	19.9	0.0
LOS by Move:	A	A	A	B-	B-	C+	A	C	D+	D	B-	A
HCM2kAvgQ:	0	0	0	10	10	14	0	8	10	5	7	0

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

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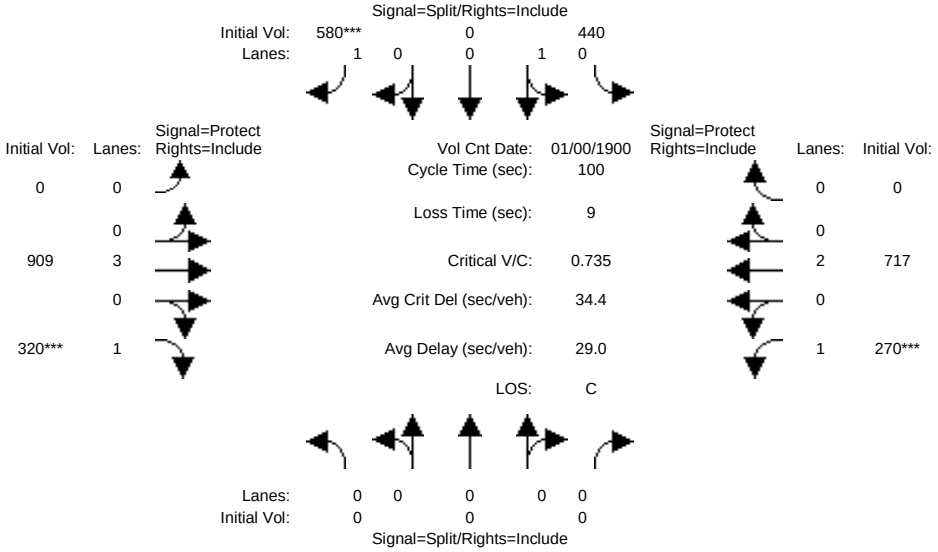
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #1: Dunne Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Dunne 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	10	10	10	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	440	0	580	0	900	320	270	710	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	440	0	580	0	900	320	270	710	0
Added Vol:	0	0	0	0	0	0	0	9	0	0	7	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	440	0	580	0	909	320	270	717	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	0	0	440	0	580	0	909	320	270	717	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	440	0	580	0	909	320	270	717	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	0	0	440	0	580	0	909	320	270	717	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	0.95	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	0.00	3.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	5700	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.24	0.00	0.33	0.00	0.16	0.18	0.15	0.19	0.00
Crit Moves:						****			****	****		
Green/Cycle:	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.25	0.25	0.21	0.46	0.00
Volume/Cap:	0.00	0.00	0.00	0.54	0.00	0.73	0.00	0.64	0.73	0.73	0.41	0.00
Delay/Veh:	0.0	0.0	0.0	20.7	0.0	26.1	0.0	34.6	40.9	44.4	18.2	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:	0.0	0.0	0.0	20.7	0.0	26.1	0.0	34.6	40.9	44.4	18.2	0.0
LOS by Move:	A	A	A	C+	A	C	A	C-	D	D	B-	A
HCM2kAvgQ:	0	0	0	11	0	17	0	9	11	9	7	0

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

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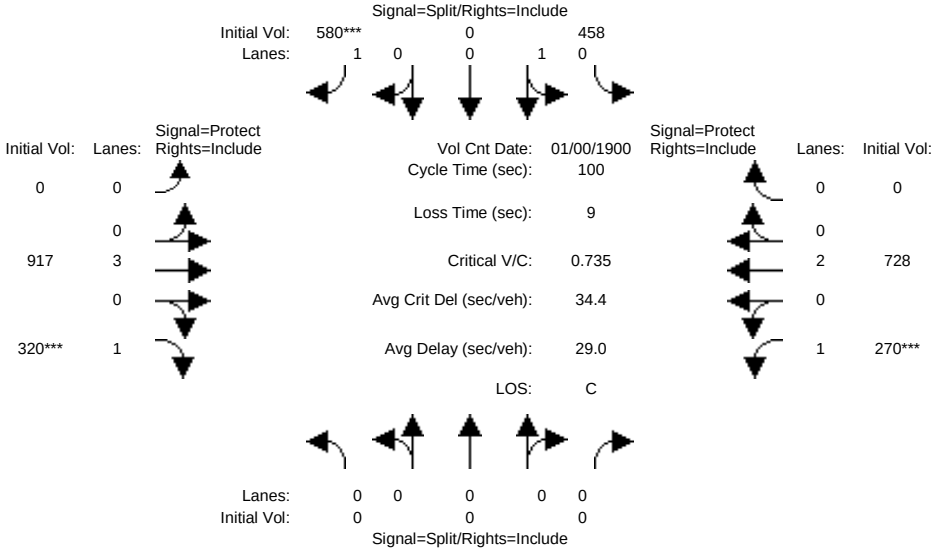
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #1: Dunne Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Dunne 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	10	10	10	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	440	0	580	0	900	320	270	710	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	440	0	580	0	900	320	270	710	0
Added Vol:	0	0	0	18	0	0	0	17	0	0	18	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	458	0	580	0	917	320	270	728	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	0	0	458	0	580	0	917	320	270	728	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	458	0	580	0	917	320	270	728	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	0	0	458	0	580	0	917	320	270	728	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	0.95	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	0.00	3.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	5700	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.25	0.00	0.33	0.00	0.16	0.18	0.15	0.19	0.00
Crit Moves:						****			****	****		
Green/Cycle:	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.25	0.25	0.21	0.46	0.00
Volume/Cap:	0.00	0.00	0.00	0.56	0.00	0.73	0.00	0.65	0.73	0.73	0.42	0.00
Delay/Veh:	0.0	0.0	0.0	21.1	0.0	26.1	0.0	34.7	40.9	44.4	18.3	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	21.1	0.0	26.1	0.0	34.7	40.9	44.4	18.3	0.0
LOS by Move:	A	A	A	C+	A	C	A	C-	D	D	B-	A
HCM2kAvgQ:	0	0	0	11	0	17	0	9	11	9	7	0

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

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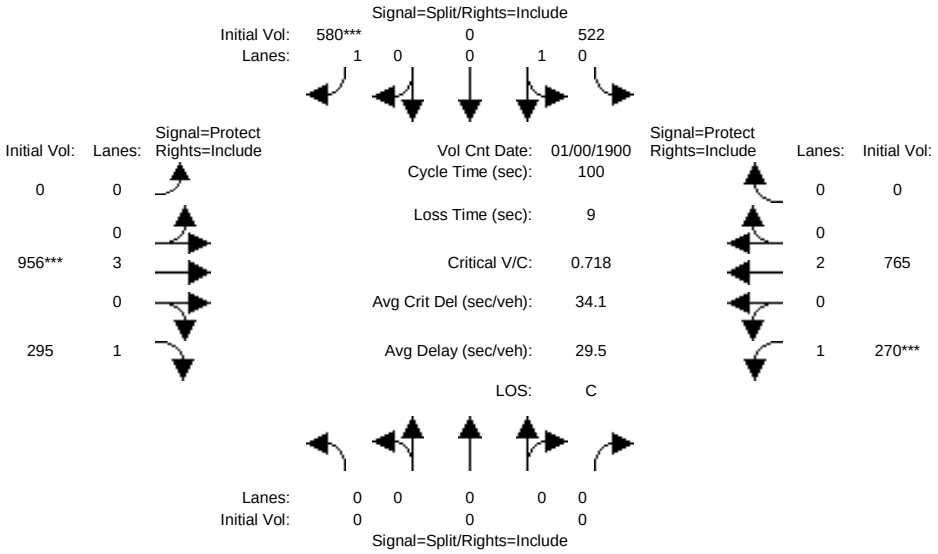
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #1: Dunne Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Dunne 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	10	10	10	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	440	0	580	0	900	320	270	710	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	440	0	580	0	900	320	270	710	0
Added Vol:	0	0	0	82	0	0	0	56	-25	0	55	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	522	0	580	0	956	295	270	765	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	0	0	522	0	580	0	956	295	270	765	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	522	0	580	0	956	295	270	765	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	0	0	522	0	580	0	956	295	270	765	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	0.95	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	0.00	3.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	5700	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.29	0.00	0.33	0.00	0.17	0.17	0.15	0.20	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.46	0.00	0.46	0.00	0.23	0.23	0.21	0.45	0.00
Volume/Cap:	0.00	0.00	0.00	0.63	0.00	0.72	0.00	0.72	0.72	0.72	0.45	0.00
Delay/Veh:	0.0	0.0	0.0	22.0	0.0	24.8	0.0	37.2	41.5	43.0	19.2	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:	0.0	0.0	0.0	22.0	0.0	24.8	0.0	37.2	41.5	43.0	19.2	0.0
LOS by Move:	A	A	A	C+	A	C	A	D+	D	D	B-	A
HCM2kAvgQ:	0	0	0	13	0	16	0	10	10	9	8	0

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

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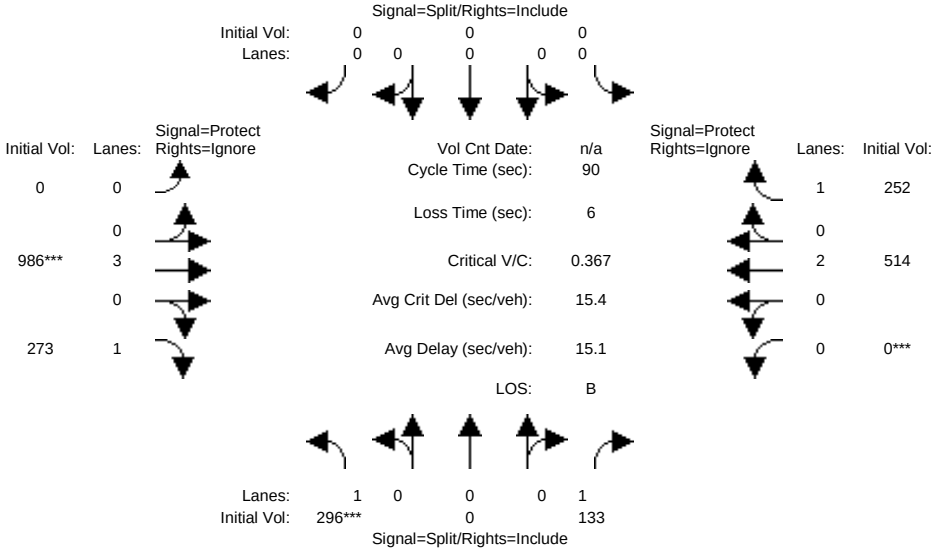
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #2: Dunne Ave / US-101 NB Ramps



Street Name:	US-101 NB Ramps						Dunne 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:	10	0	10	0	0	0	0	10	10	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:	296	0	133	0	0	0	0	986	273	0	514	252
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:	296	0	133	0	0	0	0	986	273	0	514	252
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:	296	0	133	0	0	0	0	986	273	0	514	252
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	296	0	133	0	0	0	0	986	0	0	514	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	296	0	133	0	0	0	0	986	0	0	514	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	296	0	133	0	0	0	0	986	0	0	514	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	0.00	3.00	1.00	0.00	2.00	1.00
Final Sat.:	1750	0	1750	0	0	0	0	5700	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.00	0.08	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.14	0.00
Crit Moves:	****							****		****		
Green/Cycle:	0.46	0.00	0.46	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.47	0.00
Volume/Cap:	0.37	0.00	0.16	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.29	0.00
Delay/Veh:	16.0	0.0	14.2	0.0	0.0	0.0	0.0	15.3	0.0	0.0	14.6	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:	16.0	0.0	14.2	0.0	0.0	0.0	0.0	15.3	0.0	0.0	14.6	0.0
LOS by Move:	B	A	B	A	A	A	A	B	A	A	B	A
HCM2kAvgQ:	6	0	2	0	0	0	0	6	0	0	4	0

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

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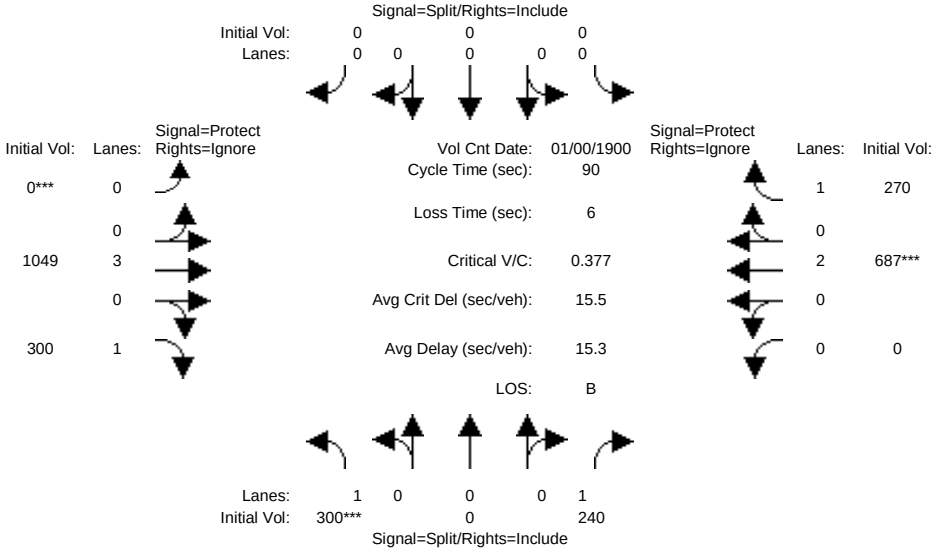
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #2: Dunne Ave / US-101 NB Ramps



Street Name:	US-101 NB Ramps						Dunne 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:	10	0	10	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	300	0	240	0	0	0	0	1040	300	0	680	270
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	0	240	0	0	0	0	1040	300	0	680	270
Added Vol:	0	0	0	0	0	0	0	9	0	0	7	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	300	0	240	0	0	0	0	1049	300	0	687	270
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	300	0	240	0	0	0	0	1049	0	0	687	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	300	0	240	0	0	0	0	1049	0	0	687	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	300	0	240	0	0	0	0	1049	0	0	687	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	0.00	3.00	1.00	0.00	2.00	1.00
Final Sat.:	1750	0	1750	0	0	0	0	5700	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.00	0.14	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.18	0.00
Crit Moves:	****						****				****	
Green/Cycle:	0.45	0.00	0.45	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.48	0.00
Volume/Cap:	0.38	0.00	0.30	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.38	0.00
Delay/Veh:	16.5	0.0	15.7	0.0	0.0	0.0	0.0	15.1	0.0	0.0	15.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.5	0.0	15.7	0.0	0.0	0.0	0.0	15.1	0.0	0.0	15.0	0.0
LOS by Move:	B	A	B	A	A	A	A	B	A	A	B	A
HCM2kAvgQ:	6	0	5	0	0	0	0	6	0	0	6	0

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

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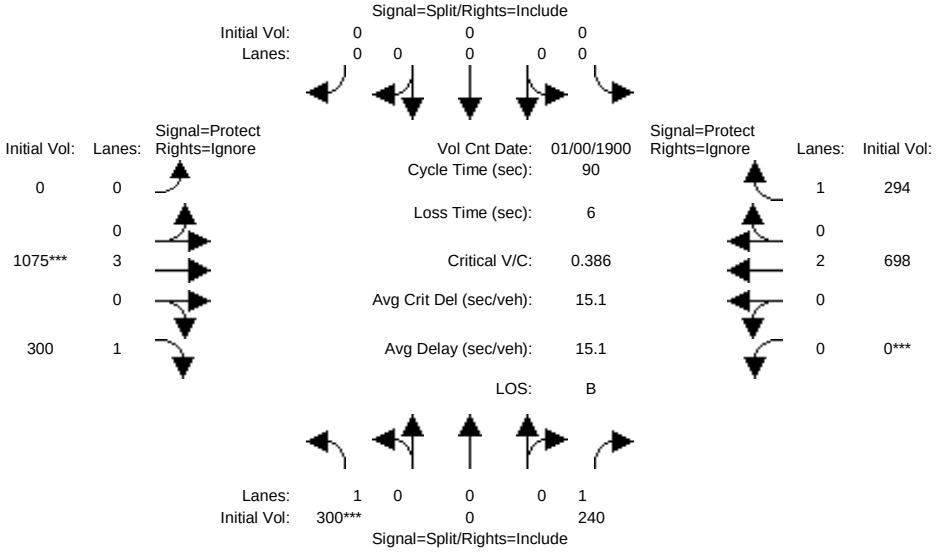
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #2: Dunne Ave / US-101 NB Ramps



Street Name:	US-101 NB Ramps						Dunne 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:	10	0	10	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	300	0	240	0	0	0	0	1040	300	0	680	270
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	0	240	0	0	0	0	1040	300	0	680	270
Added Vol:	0	0	0	0	0	0	0	35	0	0	18	24
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	300	0	240	0	0	0	0	1075	300	0	698	294
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	300	0	240	0	0	0	0	1075	0	0	698	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	300	0	240	0	0	0	0	1075	0	0	698	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	300	0	240	0	0	0	0	1075	0	0	698	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	0.00	3.00	1.00	0.00	2.00	1.00
Final Sat.:	1750	0	1750	0	0	0	0	5700	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.00	0.14	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.18	0.00
Crit Moves:	****							****		****		
Green/Cycle:	0.44	0.00	0.44	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.49	0.00
Volume/Cap:	0.39	0.00	0.31	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.38	0.00
Delay/Veh:	17.1	0.0	16.3	0.0	0.0	0.0	0.0	14.6	0.0	0.0	14.5	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:	17.1	0.0	16.3	0.0	0.0	0.0	0.0	14.6	0.0	0.0	14.5	0.0
LOS by Move:	B	A	B	A	A	A	A	B	A	A	B	A
HCM2kAvgQ:	6	0	5	0	0	0	0	6	0	0	6	0

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

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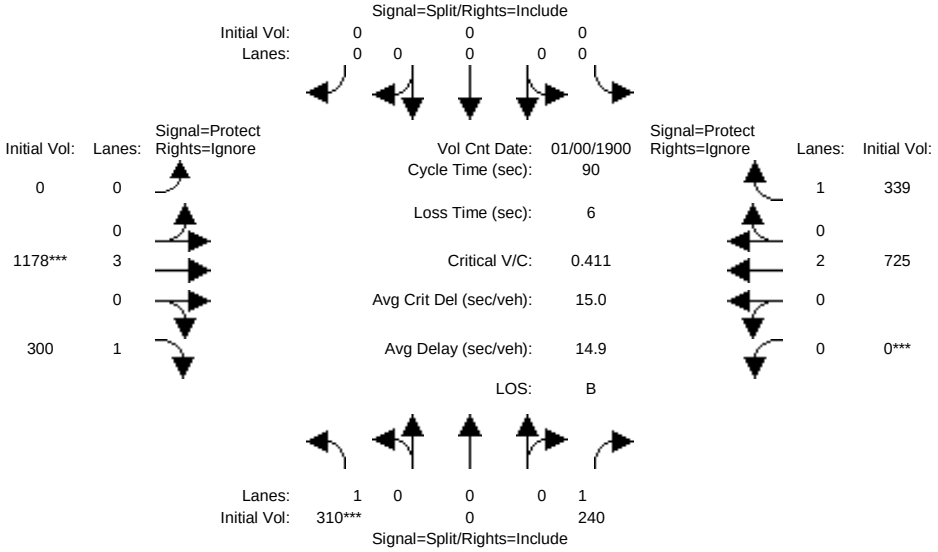
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #2: Dunne Ave / US-101 NB Ramps

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Street Name:         US-101 NB Ramps                      Dunne 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:    10    0    10     0    0     0     0    0     0     0    0     0
Y+R:          4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0   4.0  4.0   4.0
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:     300    0   240     0    0     0     0 1040   300     0  680   270
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    0   240     0    0     0     0 1040   300     0  680   270
Added Vol:     10    0     0     0    0     0     0  138     0     0   45    69
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  310    0   240     0    0     0     0 1178   300     0  725   339
User Adj:    1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  0.00  1.00 1.00  0.00
PHF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  0.00  1.00 1.00  0.00
PHF Volume:   310    0   240     0    0     0     0 1178     0     0  725     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  310    0   240     0    0     0     0 1178     0     0  725     0
PCE Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  0.00  1.00 1.00  0.00
MLF Adj:     1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  0.00  1.00 1.00  0.00
FinalVolume:  310    0   240     0    0     0     0 1178     0     0  725     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  0.00 3.00  1.00  0.00 2.00  1.00
Final Sat.:  1750    0  1750     0    0     0     0 5700  1750     0 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.18 0.00  0.14  0.00 0.00  0.00  0.00 0.21  0.00  0.00 0.19  0.00
Crit Moves:  ****                                   ****        ****
Green/Cycle: 0.43 0.00  0.43  0.00 0.00  0.00  0.00 0.50  0.00  0.00 0.50  0.00
Volume/Cap:  0.41 0.00  0.32  0.00 0.00  0.00  0.00 0.41  0.00  0.00 0.38  0.00
Delay/Veh:   18.1  0.0  17.1   0.0  0.0   0.0   0.0 14.1   0.0   0.0 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:  18.1  0.0  17.1   0.0  0.0   0.0   0.0 14.1   0.0   0.0 13.9   0.0
LOS by Move:   B-    A     B     A    A     A     A    B     A     A    B     A
HCM2kAvgQ:      7    0     5     0    0     0     0    6     0     0    6     0
Note: Queue reported is the number of cars per lane.
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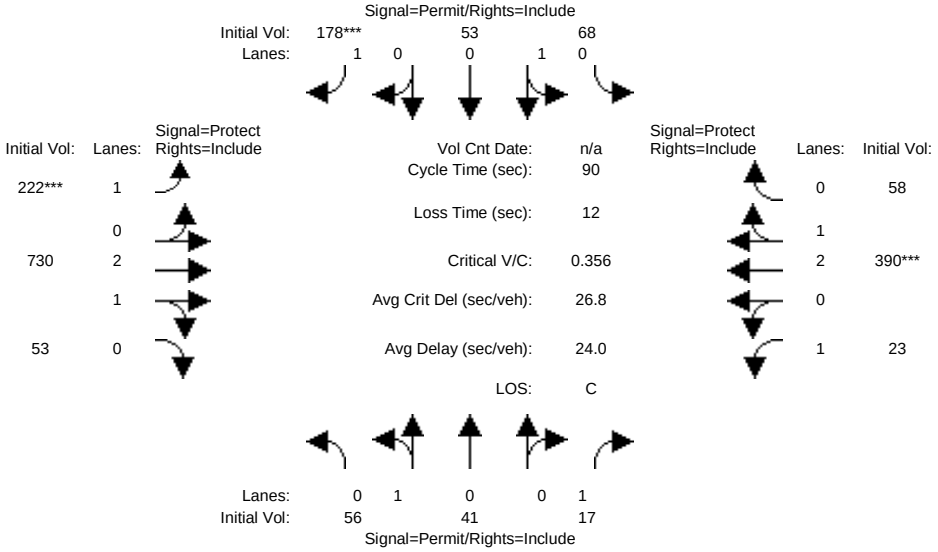
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	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:	56	41	17	68	53	178	222	730	53	23	390	58
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:	56	41	17	68	53	178	222	730	53	23	390	58
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:	56	41	17	68	53	178	222	730	53	23	390	58
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:	56	41	17	68	53	178	222	730	53	23	390	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	56	41	17	68	53	178	222	730	53	23	390	58
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:	56	41	17	68	53	178	222	730	53	23	390	58
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	0.58	0.42	1.00	0.56	0.44	1.00	1.00	2.79	0.21	1.00	2.60	0.40
Final Sat.:	1039	761	1750	1012	788	1750	1750	5220	379	1750	4874	725
Capacity Analysis Module:												
Vol/Sat:	0.05	0.05	0.01	0.07	0.07	0.10	0.13	0.14	0.14	0.01	0.08	0.08
Crit Moves:						****	****				****	
Green/Cycle:	0.29	0.29	0.29	0.29	0.29	0.29	0.36	0.37	0.37	0.21	0.22	0.22
Volume/Cap:	0.19	0.19	0.03	0.24	0.24	0.36	0.36	0.37	0.37	0.06	0.36	0.36
Delay/Veh:	24.4	24.4	23.2	24.9	24.9	26.0	21.7	20.7	20.7	28.7	29.6	29.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	24.4	24.4	23.2	24.9	24.9	26.0	21.7	20.7	20.7	28.7	29.6	29.6
LOS by Move:	C	C	C	C	C	C	C+	C+	C+	C	C	C
HCM2kAvgQ:	2	2	0	3	3	4	5	5	5	1	3	3

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

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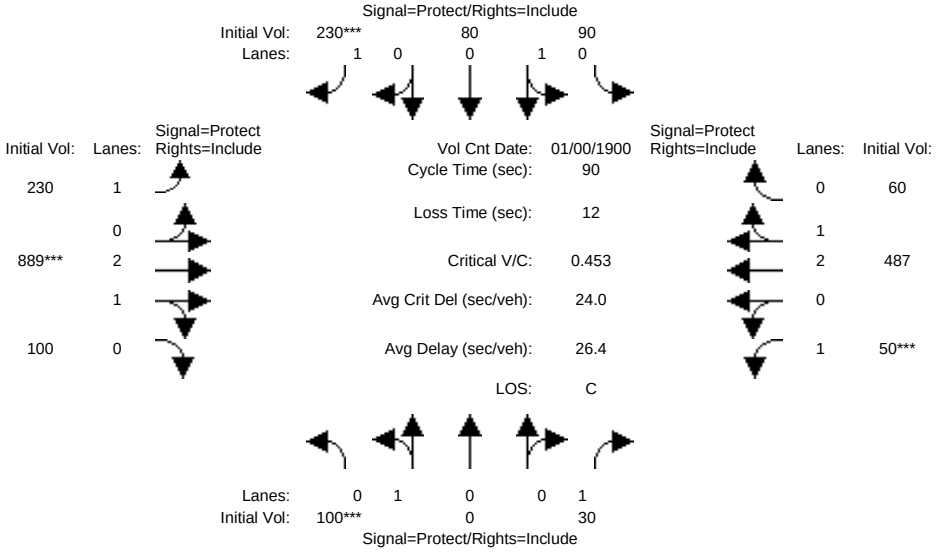
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	100	0	30	90	80	230	230	880	100	50	480	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:	100	0	30	90	80	230	230	880	100	50	480	60
Added Vol:	0	0	0	0	0	0	0	9	0	0	7	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	100	0	30	90	80	230	230	889	100	50	487	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:	100	0	30	90	80	230	230	889	100	50	487	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	0	30	90	80	230	230	889	100	50	487	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:	100	0	30	90	80	230	230	889	100	50	487	60
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	1.00	0.00	1.00	0.53	0.47	1.00	1.00	2.69	0.31	1.00	2.66	0.34
Final Sat.:	1800	0	1750	953	847	1750	1750	5033	566	1750	4985	614
Capacity Analysis Module:												
Vol/Sat:	0.06	0.00	0.02	0.09	0.09	0.13	0.13	0.18	0.18	0.03	0.10	0.10
Crit Moves:	****					****		****		****		
Green/Cycle:	0.12	0.00	0.12	0.35	0.29	0.29	0.25	0.38	0.38	0.08	0.21	0.21
Volume/Cap:	0.46	0.00	0.14	0.27	0.33	0.46	0.53	0.46	0.46	0.37	0.46	0.46
Delay/Veh:	38.4	0.0	35.7	21.1	25.8	27.2	30.3	20.9	20.9	41.1	31.3	31.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	0.0	35.7	21.1	25.8	27.2	30.3	20.9	20.9	41.1	31.3	31.3
LOS by Move:	D+	A	D+	C+	C	C	C	C+	C+	D	C	C
HCM2kAvgQ:	3	0	1	4	4	6	6	7	7	1	4	4

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

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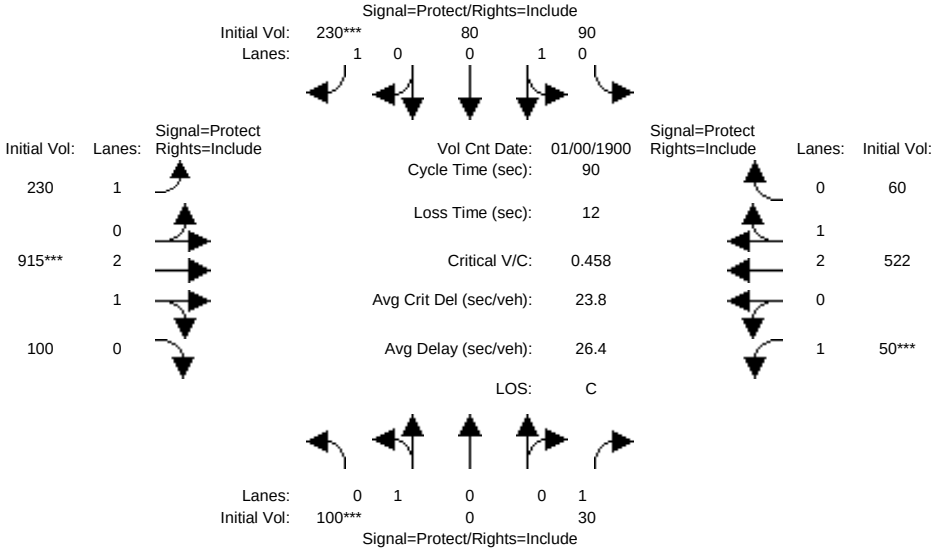
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	100	0	30	90	80	230	230	880	100	50	480	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:	100	0	30	90	80	230	230	880	100	50	480	60
Added Vol:	0	0	0	0	0	0	0	35	0	0	42	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	100	0	30	90	80	230	230	915	100	50	522	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:	100	0	30	90	80	230	230	915	100	50	522	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	0	30	90	80	230	230	915	100	50	522	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:	100	0	30	90	80	230	230	915	100	50	522	60
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	1.00	0.00	1.00	0.53	0.47	1.00	1.00	2.69	0.31	1.00	2.68	0.32
Final Sat.:	1800	0	1750	953	847	1750	1750	5048	552	1750	5022	577
Capacity Analysis Module:												
Vol/Sat:	0.06	0.00	0.02	0.09	0.09	0.13	0.13	0.18	0.18	0.03	0.10	0.10
Crit Moves:	****					****		****		****		
Green/Cycle:	0.12	0.00	0.12	0.35	0.28	0.28	0.25	0.39	0.39	0.08	0.21	0.21
Volume/Cap:	0.47	0.00	0.14	0.27	0.34	0.47	0.52	0.47	0.47	0.37	0.49	0.49
Delay/Veh:	38.6	0.0	35.9	21.4	26.0	27.4	30.1	20.7	20.7	41.1	31.4	31.4
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:	38.6	0.0	35.9	21.4	26.0	27.4	30.1	20.7	20.7	41.1	31.4	31.4
LOS by Move:	D+	A	D+	C+	C	C	C	C+	C+	D	C	C
HCM2kAvgQ:	3	0	1	4	4	6	6	7	7	1	5	5

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

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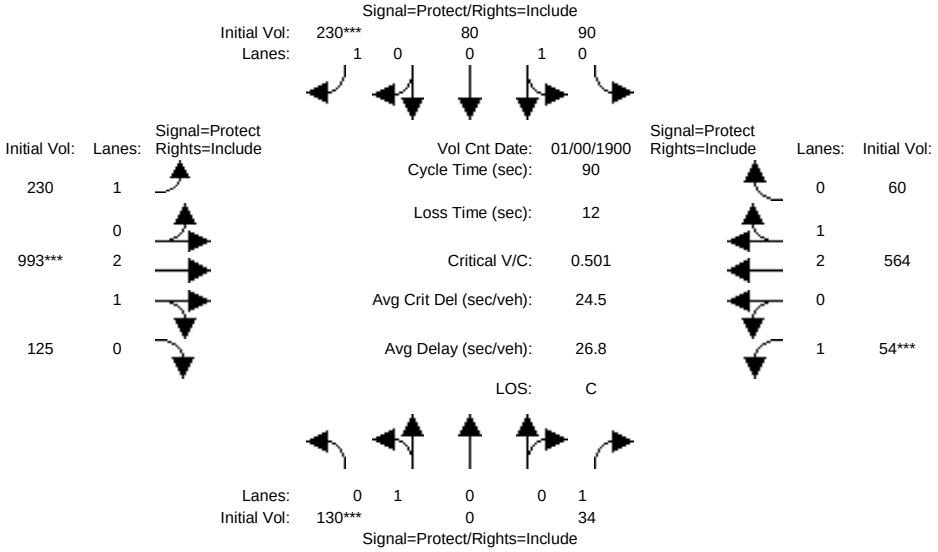
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #3: Dunne Ave / Condit Rd



Street Name:	Condit Rd						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	100	0	30	90	80	230	230	880	100	50	480	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:	100	0	30	90	80	230	230	880	100	50	480	60
Added Vol:	30	0	4	0	0	0	0	113	25	4	84	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	130	0	34	90	80	230	230	993	125	54	564	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:	130	0	34	90	80	230	230	993	125	54	564	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	0	34	90	80	230	230	993	125	54	564	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:	130	0	34	90	80	230	230	993	125	54	564	60
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.95	0.95	0.92	0.92	0.99	0.95	0.92	0.99	0.95
Lanes:	1.00	0.00	1.00	0.53	0.47	1.00	1.00	2.65	0.35	1.00	2.70	0.30
Final Sat.:	1800	0	1750	953	847	1750	1750	4973	626	1750	5061	538
Capacity Analysis Module:												
Vol/Sat:	0.07	0.00	0.02	0.09	0.09	0.13	0.13	0.20	0.20	0.03	0.11	0.11
Crit Moves:	****					****		****		****		
Green/Cycle:	0.14	0.00	0.14	0.34	0.26	0.26	0.25	0.39	0.39	0.08	0.21	0.21
Volume/Cap:	0.51	0.00	0.14	0.28	0.37	0.51	0.52	0.51	0.51	0.40	0.52	0.52
Delay/Veh:	37.5	0.0	34.1	22.0	27.9	29.6	30.0	21.1	21.1	41.4	31.6	31.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.5	0.0	34.1	22.0	27.9	29.6	30.0	21.1	21.1	41.4	31.6	31.6
LOS by Move:	D+	A	C-	C+	C	C	C	C+	C+	D	C	C
HCM2kAvgQ:	4	0	1	4	4	6	6	8	8	2	5	5

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

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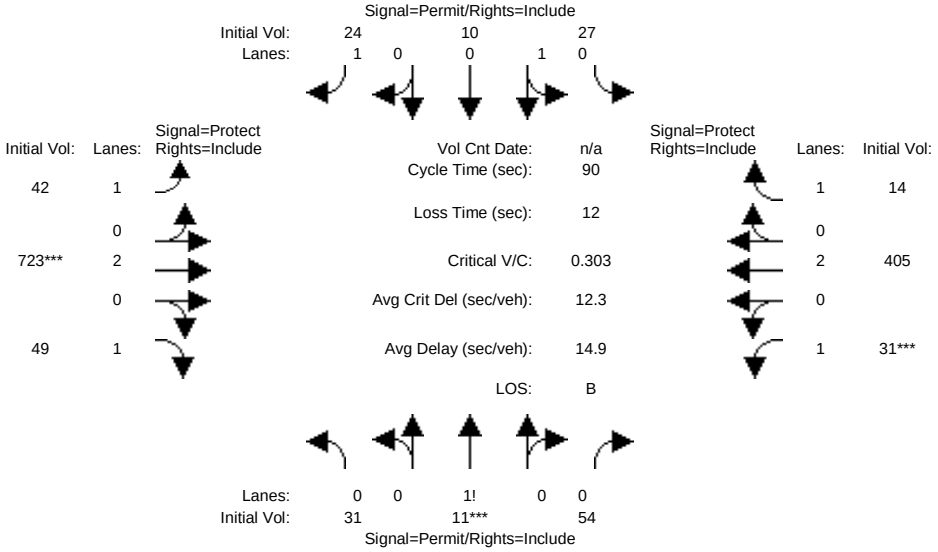
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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	11	54	27	10	24	42	723	49	31	405	14
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	11	54	27	10	24	42	723	49	31	405	14
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	11	54	27	10	24	42	723	49	31	405	14
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	11	54	27	10	24	42	723	49	31	405	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	11	54	27	10	24	42	723	49	31	405	14
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	11	54	27	10	24	42	723	49	31	405	14
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.32	0.11	0.57	0.73	0.27	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	565	201	984	1314	486	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.05	0.05	0.02	0.02	0.01	0.02	0.19	0.03	0.02	0.11	0.01
Crit Moves:		****						****		****		
Green/Cycle:	0.18	0.18	0.18	0.18	0.18	0.18	0.28	0.61	0.61	0.08	0.41	0.41
Volume/Cap:	0.31	0.31	0.31	0.12	0.12	0.08	0.08	0.31	0.05	0.23	0.26	0.02
Delay/Veh:	32.9	32.9	32.9	31.3	31.3	31.0	23.7	8.4	7.0	39.8	17.9	16.0
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:	32.9	32.9	32.9	31.3	31.3	31.0	23.7	8.4	7.0	39.8	17.9	16.0
LOS by Move:	C-	C-	C-	C	C	C	C	A	A	D	B	B
HCM2kAvgQ:	3	3	3	1	1	1	1	5	1	1	4	0

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

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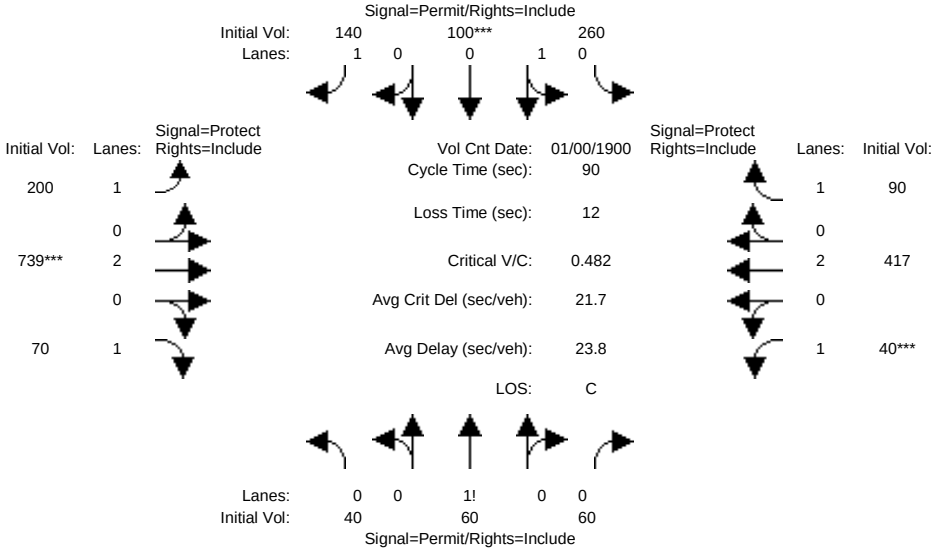
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	40	60	60	260	100	140	200	730	70	40	410	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:	40	60	60	260	100	140	200	730	70	40	410	90
Added Vol:	0	0	0	0	0	0	0	9	0	0	7	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	60	60	260	100	140	200	739	70	40	417	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:	40	60	60	260	100	140	200	739	70	40	417	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	60	60	260	100	140	200	739	70	40	417	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:	40	60	60	260	100	140	200	739	70	40	417	90
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.25	0.37	0.38	0.72	0.28	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	438	656	656	1300	500	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.09	0.09	0.20	0.20	0.08	0.11	0.19	0.04	0.02	0.11	0.05
Crit Moves:					****			****		****		
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.24	0.39	0.39	0.08	0.23	0.23
Volume/Cap:	0.23	0.23	0.23	0.50	0.50	0.20	0.48	0.50	0.10	0.29	0.48	0.22
Delay/Veh:	18.0	18.0	18.0	20.8	20.8	17.8	30.5	21.1	17.6	40.4	30.4	28.4
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:	18.0	18.0	18.0	20.8	20.8	17.8	30.5	21.1	17.6	40.4	30.4	28.4
LOS by Move:	B	B	B	C+	C+	B	C	C+	B	D	C	C
HCM2kAvgQ:	3	3	3	8	8	3	5	8	1	1	5	2

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

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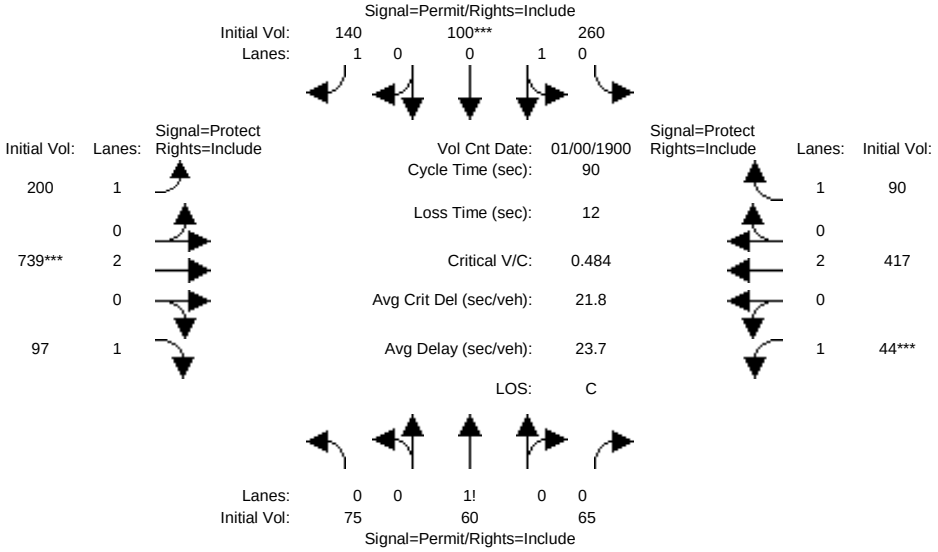
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	40	60	60	260	100	140	200	730	70	40	410	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:	40	60	60	260	100	140	200	730	70	40	410	90
Added Vol:	35	0	5	0	0	0	0	9	27	4	7	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	60	65	260	100	140	200	739	97	44	417	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:	75	60	65	260	100	140	200	739	97	44	417	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	60	65	260	100	140	200	739	97	44	417	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:	75	60	65	260	100	140	200	739	97	44	417	90
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.38	0.30	0.32	0.72	0.28	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	656	525	569	1300	500	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.11	0.11	0.11	0.20	0.20	0.08	0.11	0.19	0.06	0.03	0.11	0.05
Crit Moves:					****			****		****		
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.24	0.39	0.39	0.08	0.23	0.23
Volume/Cap:	0.29	0.29	0.29	0.50	0.50	0.20	0.48	0.50	0.14	0.32	0.48	0.22
Delay/Veh:	18.5	18.5	18.5	20.8	20.8	17.8	30.5	21.1	17.9	40.6	30.4	28.4
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:	18.5	18.5	18.5	20.8	20.8	17.8	30.5	21.1	17.9	40.6	30.4	28.4
LOS by Move:	B-	B-	B-	C+	C+	B	C	C+	B	D	C	C
HCM2kAvgQ:	4	4	4	8	8	3	5	8	2	2	5	2

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

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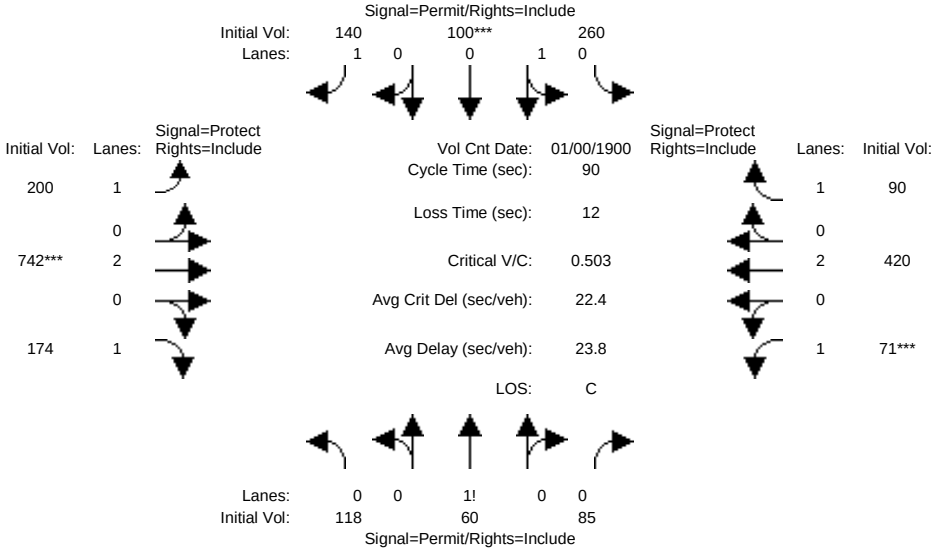
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #4: Dunne Ave / Murphy Ave



Street Name:	Murphy Ave						Dunne 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:	10	10	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	40	60	60	260	100	140	200	730	70	40	410	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:	40	60	60	260	100	140	200	730	70	40	410	90
Added Vol:	78	0	25	0	0	0	0	12	104	31	10	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	118	60	85	260	100	140	200	742	174	71	420	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:	118	60	85	260	100	140	200	742	174	71	420	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	118	60	85	260	100	140	200	742	174	71	420	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:	118	60	85	260	100	140	200	742	174	71	420	90
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.45	0.23	0.32	0.72	0.28	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	785	399	566	1300	500	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.15	0.15	0.15	0.20	0.20	0.08	0.11	0.20	0.10	0.04	0.11	0.05
Crit Moves:					****			****		****		
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.24	0.39	0.39	0.08	0.23	0.23
Volume/Cap:	0.38	0.38	0.38	0.50	0.50	0.20	0.48	0.50	0.26	0.50	0.48	0.22
Delay/Veh:	19.6	19.6	19.6	21.0	21.0	17.9	30.4	21.2	18.9	42.5	30.3	28.3
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:	19.6	19.6	19.6	21.0	21.0	17.9	30.4	21.2	18.9	42.5	30.3	28.3
LOS by Move:	B-	B-	B-	C+	C+	B	C	C+	B-	D	C	C
HCM2kAvgQ:	6	6	6	8	8	3	5	8	3	3	5	2

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

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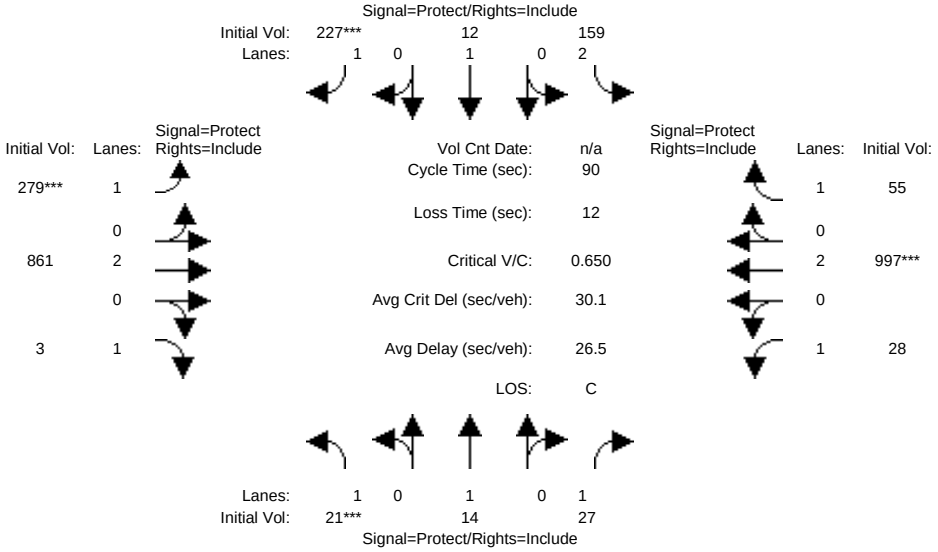
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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:	21	14	27	159	12	227	279	861	3	28	997	55
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:	21	14	27	159	12	227	279	861	3	28	997	55
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:	21	14	27	159	12	227	279	861	3	28	997	55
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:	21	14	27	159	12	227	279	861	3	28	997	55
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	21	14	27	159	12	227	279	861	3	28	997	55
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:	21	14	27	159	12	227	279	861	3	28	997	55
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.05	0.01	0.13	0.16	0.23	0.00	0.02	0.26	0.03
Crit Moves:	****					****	****				****	
Green/Cycle:	0.08	0.15	0.15	0.11	0.19	0.19	0.23	0.45	0.45	0.15	0.38	0.38
Volume/Cap:	0.15	0.05	0.10	0.47	0.03	0.70	0.70	0.50	0.00	0.10	0.70	0.08
Delay/Veh:	39.3	32.4	32.8	38.7	30.1	40.9	37.3	17.9	13.7	32.9	25.4	18.2
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:	39.3	32.4	32.8	38.7	30.1	40.9	37.3	17.9	13.7	32.9	25.4	18.2
LOS by Move:	D	C-	C-	D+	C	D	D+	B	B	C-	C	B-
HCM2kAvgQ:	1	0	1	3	0	8	9	9	0	1	12	1

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

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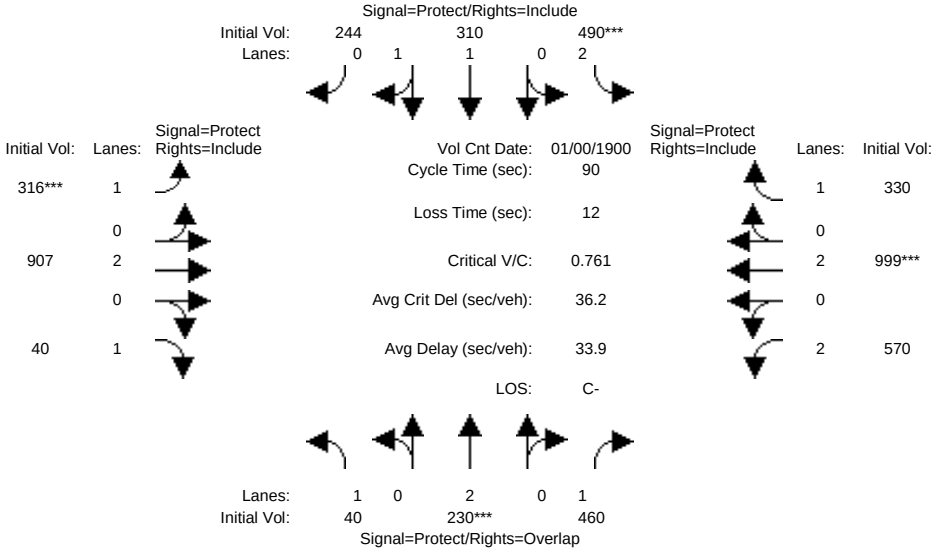
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	40	230	460	490	310	240	310	770	40	570	850	330
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	230	460	490	310	240	310	770	40	570	850	330
Added Vol:	0	0	0	0	0	4	6	137	0	0	149	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	230	460	490	310	244	316	907	40	570	999	330
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	230	460	490	310	244	316	907	40	570	999	330
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	230	460	490	310	244	316	907	40	570	999	330
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	40	230	460	490	310	244	316	907	40	570	999	330
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.10	0.90	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	3150	2069	1629	1750	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.26	0.16	0.15	0.15	0.18	0.24	0.02	0.18	0.26	0.19
Crit Moves:		****		****			****				****	
Green/Cycle:	0.11	0.11	0.35	0.20	0.20	0.20	0.23	0.32	0.32	0.24	0.33	0.33
Volume/Cap:	0.22	0.54	0.75	0.79	0.74	0.74	0.79	0.75	0.07	0.75	0.79	0.57
Delay/Veh:	37.5	39.3	30.6	41.4	37.6	37.6	43.2	30.1	21.5	35.8	30.8	26.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.5	39.3	30.6	41.4	37.6	37.6	43.2	30.1	21.5	35.8	30.8	26.1
LOS by Move:	D+	D	C	D	D+	D+	D	C	C+	D+	C	C
HCM2kAvgQ:	1	4	14	10	9	9	11	13	1	9	12	8

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

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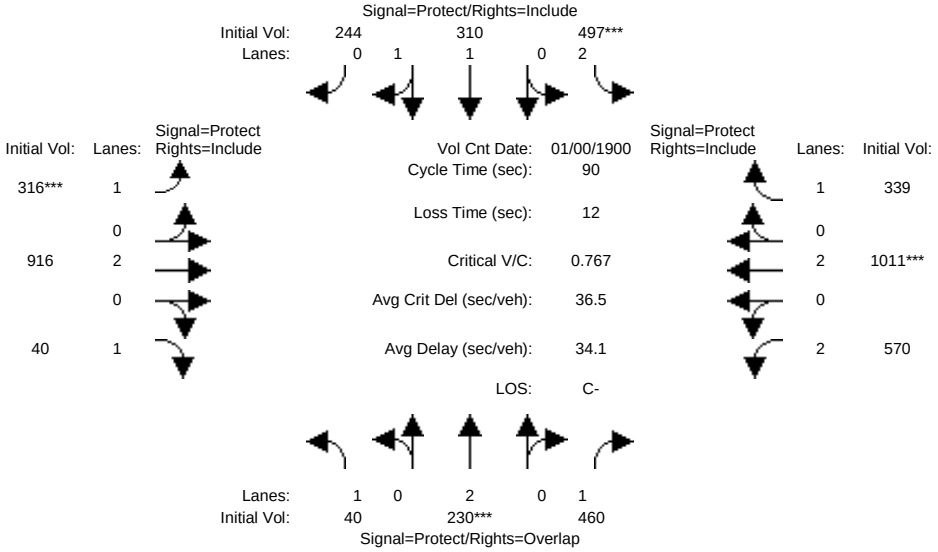
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	40	230	460	490	310	240	310	770	40	570	850	330
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	230	460	490	310	240	310	770	40	570	850	330
Added Vol:	0	0	0	7	0	4	6	146	0	0	161	9
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	230	460	497	310	244	316	916	40	570	1011	339
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	230	460	497	310	244	316	916	40	570	1011	339
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	230	460	497	310	244	316	916	40	570	1011	339
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	230	460	497	310	244	316	916	40	570	1011	339
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.10	0.90	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	3150	2069	1629	1750	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.26	0.16	0.15	0.15	0.18	0.24	0.02	0.18	0.27	0.19
Crit Moves:		****		****			****				****	
Green/Cycle:	0.11	0.11	0.35	0.20	0.20	0.20	0.23	0.32	0.32	0.24	0.33	0.33
Volume/Cap:	0.22	0.54	0.75	0.80	0.74	0.74	0.80	0.76	0.07	0.76	0.80	0.58
Delay/Veh:	37.5	39.3	30.9	41.7	37.5	37.5	44.0	30.3	21.4	36.2	31.0	26.4
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:	37.5	39.3	30.9	41.7	37.5	37.5	44.0	30.3	21.4	36.2	31.0	26.4
LOS by Move:	D+	D	C	D	D+	D+	D	C	C+	D+	C	C
HCM2kAvgQ:	1	4	14	10	9	9	11	13	1	9	13	8

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

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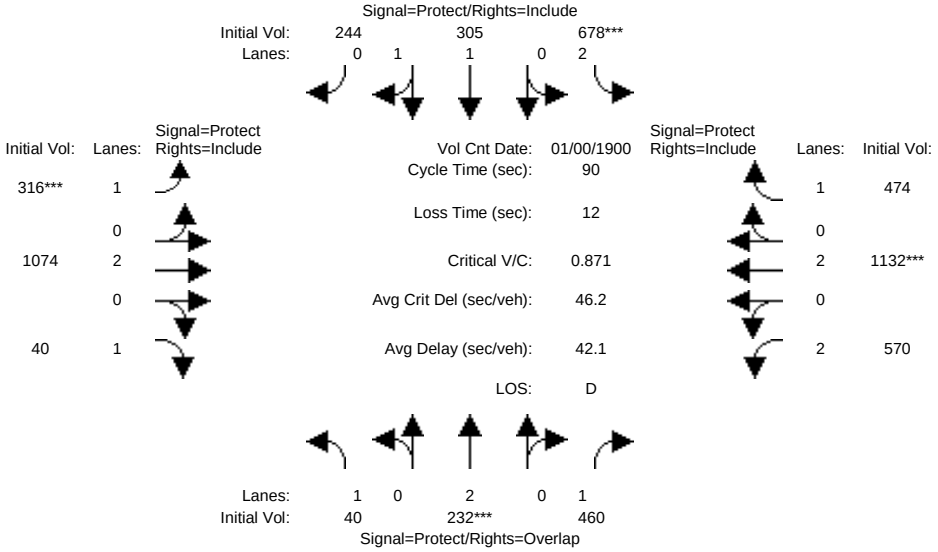
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #5: Tennant Ave / Butterfield Blvd



Street Name:	Butterfield Blvd						Tennant 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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	40	230	460	490	310	240	310	770	40	570	850	330
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	230	460	490	310	240	310	770	40	570	850	330
Added Vol:	0	2	0	188	-5	4	6	304	0	0	282	144
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	232	460	678	305	244	316	1074	40	570	1132	474
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	232	460	678	305	244	316	1074	40	570	1132	474
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	232	460	678	305	244	316	1074	40	570	1132	474
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	232	460	678	305	244	316	1074	40	570	1132	474
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.99	0.95	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	2.00	1.09	0.91	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	1750	3800	1750	3150	2054	1643	1750	3800	1750	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.26	0.22	0.15	0.15	0.18	0.28	0.02	0.18	0.30	0.27
Crit Moves:		****		****			****				****	
Green/Cycle:	0.12	0.11	0.31	0.23	0.23	0.23	0.20	0.32	0.32	0.20	0.32	0.32
Volume/Cap:	0.19	0.55	0.84	0.92	0.65	0.65	0.92	0.89	0.07	0.89	0.92	0.83
Delay/Veh:	36.2	39.4	39.4	50.0	33.5	33.5	64.1	37.7	21.5	49.3	40.2	38.5
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:	36.2	39.4	39.4	50.0	33.5	33.5	64.1	37.7	21.5	49.3	40.2	38.5
LOS by Move:	D+	D	D	D	C-	C-	E	D+	C+	D	D	D+
HCM2kAvgQ:	1	4	15	15	8	8	13	18	1	10	16	13

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

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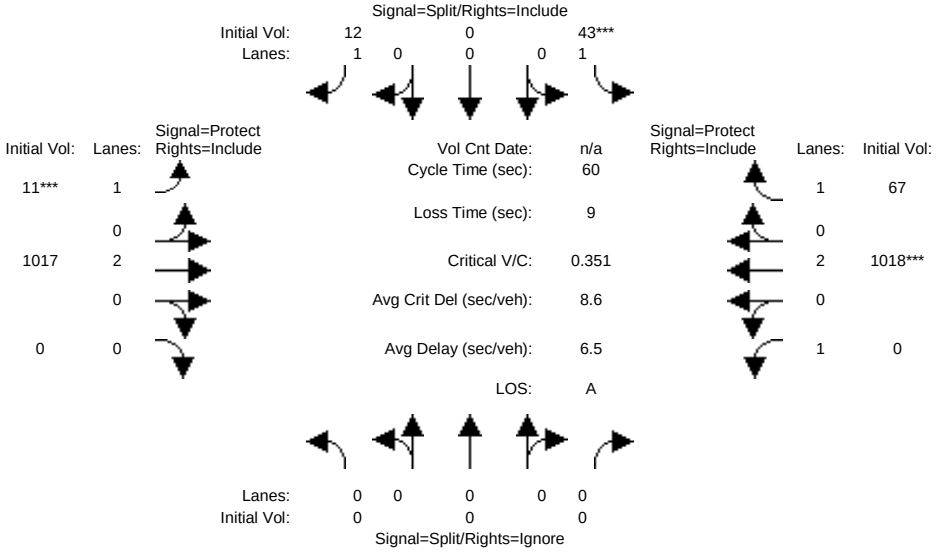
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	10	0	10	7	10	0	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:	0	0	0	43	0	12	11	1017	0	0	1018	67
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	43	0	12	11	1017	0	0	1018	67
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	43	0	12	11	1017	0	0	1018	67
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	43	0	12	11	1017	0	0	1018	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	43	0	12	11	1017	0	0	1018	67
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	43	0	12	11	1017	0	0	1018	67
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	1750	0	1750	1750	3800	0	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.01	0.01	0.27	0.00	0.00	0.27	0.04
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.17	0.00	0.17	0.12	0.68	0.00	0.00	0.57	0.57
Volume/Cap:	0.00	0.00	0.00	0.15	0.00	0.04	0.05	0.39	0.00	0.00	0.47	0.07
Delay/Veh:	0.0	0.0	0.0	21.6	0.0	21.0	23.7	4.2	0.0	0.0	7.9	5.9
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:	0.0	0.0	0.0	21.6	0.0	21.0	23.7	4.2	0.0	0.0	7.9	5.9
LOS by Move:	A	A	A	C+	A	C+	C	A	A	A	A	A
HCM2kAvgQ:	0	0	0	1	0	0	0	4	0	0	5	1

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

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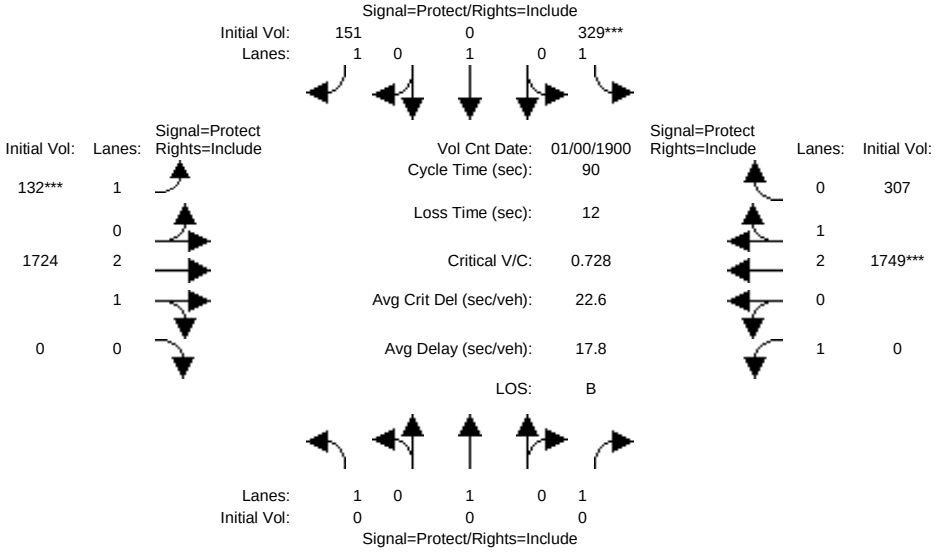
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	0	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	70	0	30	40	1680	0	0	1720	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:	0	0	0	70	0	30	40	1680	0	0	1720	110
Added Vol:	0	0	0	259	0	121	92	44	0	0	29	197
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	329	0	151	132	1724	0	0	1749	307
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	329	0	151	132	1724	0	0	1749	307
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	329	0	151	132	1724	0	0	1749	307
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	329	0	151	132	1724	0	0	1749	307
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	0.98	0.92	0.92	0.99	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	0.00	1.00	2.54	0.46
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5600	0	1750	4763	836
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.09	0.08	0.31	0.00	0.00	0.37	0.37
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.26	0.00	0.26	0.10	0.61	0.00	0.00	0.50	0.50
Volume/Cap:	0.00	0.00	0.00	0.73	0.00	0.33	0.73	0.51	0.00	0.00	0.73	0.73
Delay/Veh:	0.0	0.0	0.0	36.4	0.0	27.5	52.9	10.1	0.0	0.0	18.4	18.4
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:	0.0	0.0	0.0	36.4	0.0	27.5	52.9	10.1	0.0	0.0	18.4	18.4
LOS by Move:	A	A	A	D+	A	C	D-	B+	A	A	B-	B-
HCM2kAvgQ:	0	0	0	10	0	4	4	9	0	0	15	15

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

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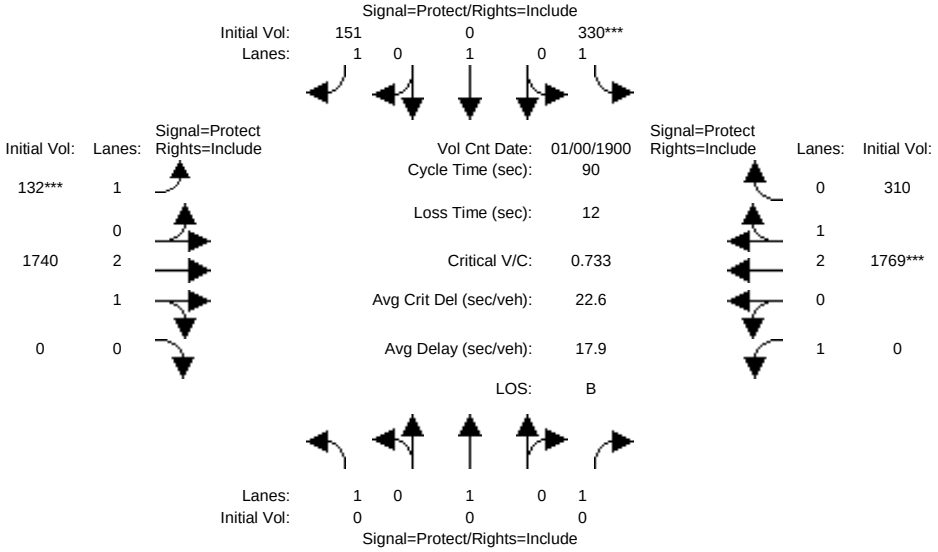
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	0	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	70	0	30	40	1680	0	0	1720	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:	0	0	0	70	0	30	40	1680	0	0	1720	110
Added Vol:	0	0	0	260	0	121	92	60	0	0	49	200
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	330	0	151	132	1740	0	0	1769	310
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	330	0	151	132	1740	0	0	1769	310
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	330	0	151	132	1740	0	0	1769	310
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	330	0	151	132	1740	0	0	1769	310
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	0.98	0.92	0.92	0.99	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	0.00	1.00	2.54	0.46
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5600	0	1750	4764	835
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.09	0.08	0.31	0.00	0.00	0.37	0.37
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.26	0.00	0.26	0.10	0.61	0.00	0.00	0.51	0.51
Volume/Cap:	0.00	0.00	0.00	0.73	0.00	0.34	0.73	0.51	0.00	0.00	0.73	0.73
Delay/Veh:	0.0	0.0	0.0	36.7	0.0	27.6	53.5	10.1	0.0	0.0	18.4	18.4
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:	0.0	0.0	0.0	36.7	0.0	27.6	53.5	10.1	0.0	0.0	18.4	18.4
LOS by Move:	A	A	A	D+	A	C	D-	B+	A	A	B-	B-
HCM2kAvgQ:	0	0	0	11	0	4	4	9	0	0	15	15

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

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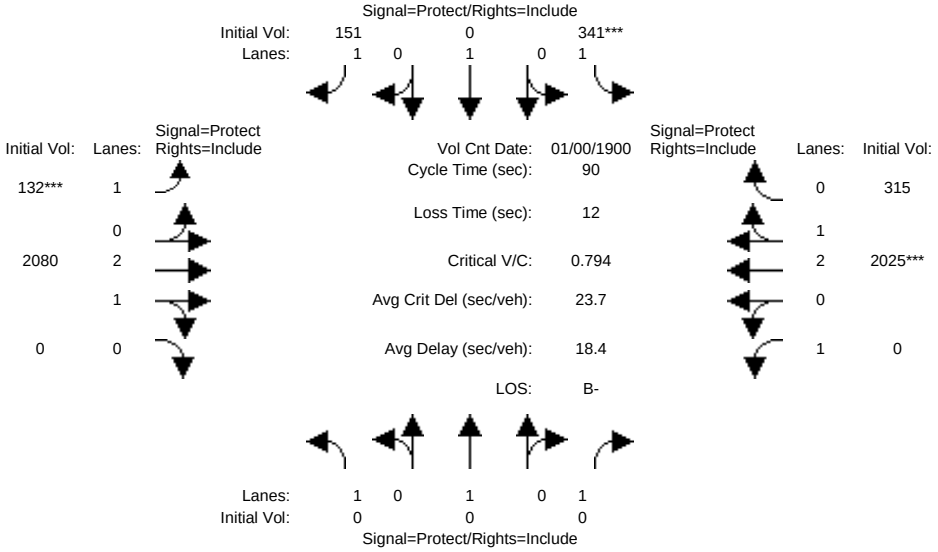
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #6: Tennant Ave / Juan Hernandez Dr



Street Name:	Juan Hernandez Dr						Tennant 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	0	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	70	0	30	40	1680	0	0	1720	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:	0	0	0	70	0	30	40	1680	0	0	1720	110
Added Vol:	0	0	0	271	0	121	92	400	0	0	305	205
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	341	0	151	132	2080	0	0	2025	315
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	341	0	151	132	2080	0	0	2025	315
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	341	0	151	132	2080	0	0	2025	315
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	341	0	151	132	2080	0	0	2025	315
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	0.98	0.92	0.92	0.99	0.95
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	0.00	1.00	2.58	0.42
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	5600	0	1750	4845	754
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.09	0.08	0.37	0.00	0.00	0.42	0.42
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.25	0.00	0.25	0.09	0.62	0.00	0.00	0.53	0.53
Volume/Cap:	0.00	0.00	0.00	0.79	0.00	0.35	0.79	0.60	0.00	0.00	0.79	0.79
Delay/Veh:	0.0	0.0	0.0	41.6	0.0	28.5	62.4	10.6	0.0	0.0	18.9	18.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	41.6	0.0	28.5	62.4	10.6	0.0	0.0	18.9	18.9
LOS by Move:	A	A	A	D	A	C	E	B+	A	A	B-	B-
HCM2kAvgQ:	0	0	0	12	0	4	4	11	0	0	18	18

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

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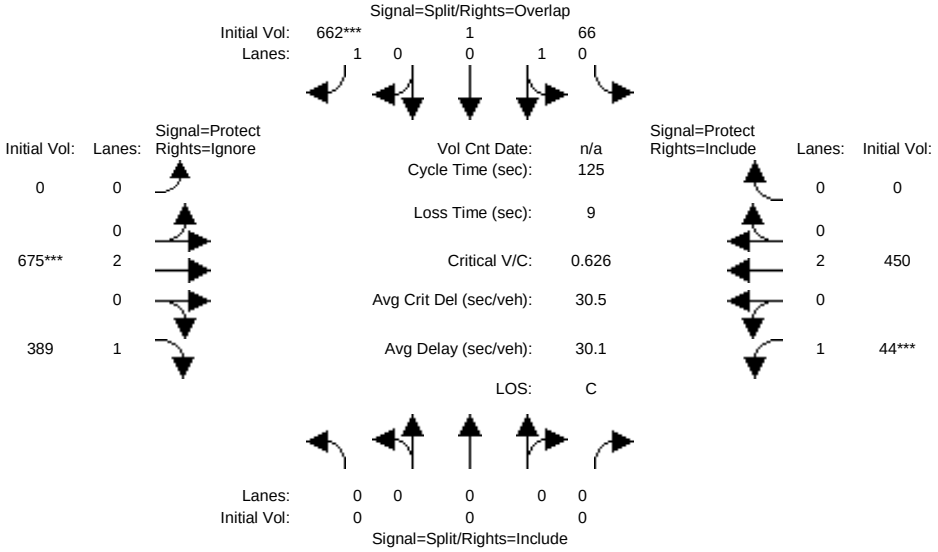
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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	0	0	66	1	662	0	675	389	44	450	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	66	1	662	0	675	389	44	450	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	0	0	66	1	662	0	675	389	44	450	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	66	1	662	0	675	0	44	450	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	66	1	662	0	675	0	44	450	0
PCE 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
MLF 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
FinalVolume:	0	0	0	66	1	662	0	675	0	44	450	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	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.00	0.00	0.00	0.99	0.01	1.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1773	27	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.04	0.04	0.38	0.00	0.18	0.00	0.03	0.12	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.59	0.59	0.59	0.00	0.28	0.00	0.06	0.33	0.00
Volume/Cap:	0.00	0.00	0.00	0.06	0.06	0.64	0.00	0.64	0.00	0.45	0.35	0.00
Delay/Veh:	0.0	0.0	0.0	10.8	10.8	18.0	0.0	40.9	0.0	60.4	31.6	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:	0.0	0.0	0.0	10.8	10.8	18.0	0.0	40.9	0.0	60.4	31.6	0.0
LOS by Move:	A	A	A	B+	B+	B	A	D	A	E	C	A
HCM2kAvgQ:	0	0	0	1	1	18	0	11	0	2	6	0

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

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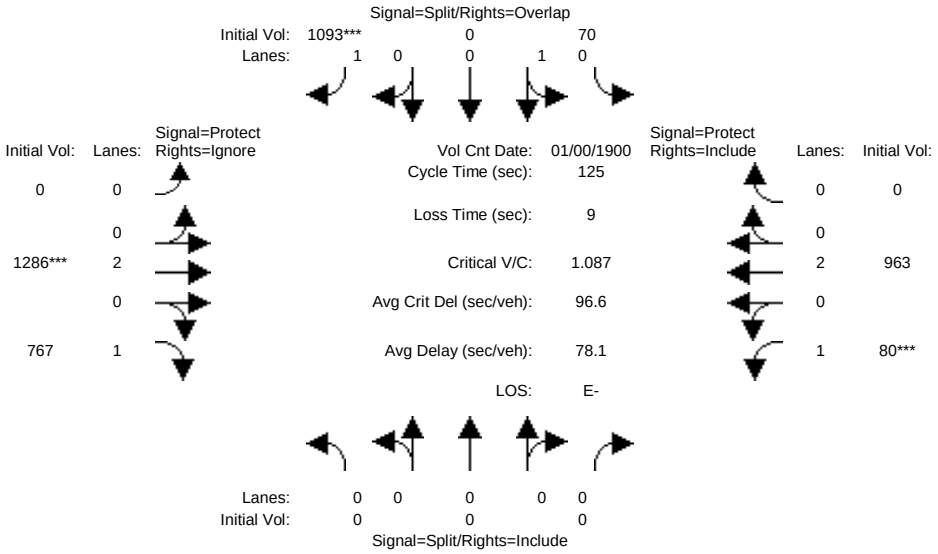
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	70	0	960	0	1080	670	80	870	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	70	0	960	0	1080	670	80	870	0
Added Vol:	0	0	0	0	0	133	0	206	97	0	93	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	70	0	1093	0	1286	767	80	963	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	70	0	1093	0	1286	0	80	963	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	70	0	1093	0	1286	0	80	963	0
PCE 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
MLF 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
FinalVolume:	0	0	0	70	0	1093	0	1286	0	80	963	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	0.95	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	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.62	0.00	0.34	0.00	0.05	0.25	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.57	0.00	0.57	0.00	0.31	0.00	0.06	0.36	0.00
Volume/Cap:	0.00	0.00	0.00	0.07	0.00	1.10	0.00	1.10	0.00	0.82	0.70	0.00
Delay/Veh:	0.0	0.0	0.0	12.3	0.0	88.8	0.0	103	0.0	97.5	35.6	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:	0.0	0.0	0.0	12.3	0.0	88.8	0.0	103	0.0	97.5	35.6	0.0
LOS by Move:	A	A	A	B	A	F	A	F	A	F	D+	A
HCM2kAvgQ:	0	0	0	1	0	62	0	34	0	4	16	0

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

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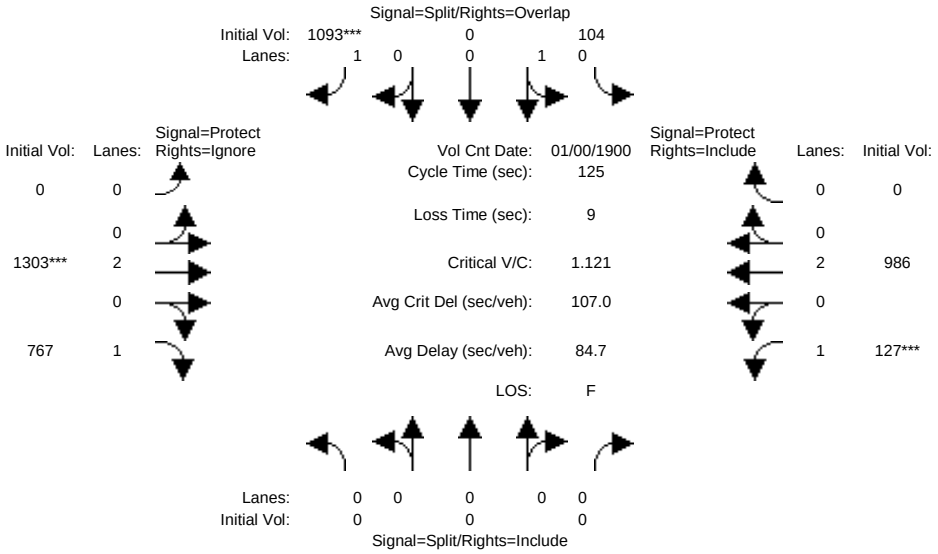
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	70	0	960	0	1080	670	80	870	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	70	0	960	0	1080	670	80	870	0
Added Vol:	0	0	0	34	0	133	0	223	97	47	116	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	104	0	1093	0	1303	767	127	986	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	104	0	1093	0	1303	0	127	986	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	104	0	1093	0	1303	0	127	986	0
PCE 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
MLF 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
FinalVolume:	0	0	0	104	0	1093	0	1303	0	127	986	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	0.95	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	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.62	0.00	0.34	0.00	0.07	0.26	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.56	0.00	0.56	0.00	0.31	0.00	0.06	0.37	0.00
Volume/Cap:	0.00	0.00	0.00	0.10	0.00	1.12	0.00	1.12	0.00	1.12	0.70	0.00
Delay/Veh:	0.0	0.0	0.0	13.0	0.0	95.7	0.0	110	0.0	179.2	35.0	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	0.0	0.0	13.0	0.0	95.7	0.0	110	0.0	179.2	35.0	0.0
LOS by Move:	A	A	A	B	A	F	A	F	A	F	D+	A
HCM2kAvgQ:	0	0	0	2	0	64	0	35	0	8	16	0

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

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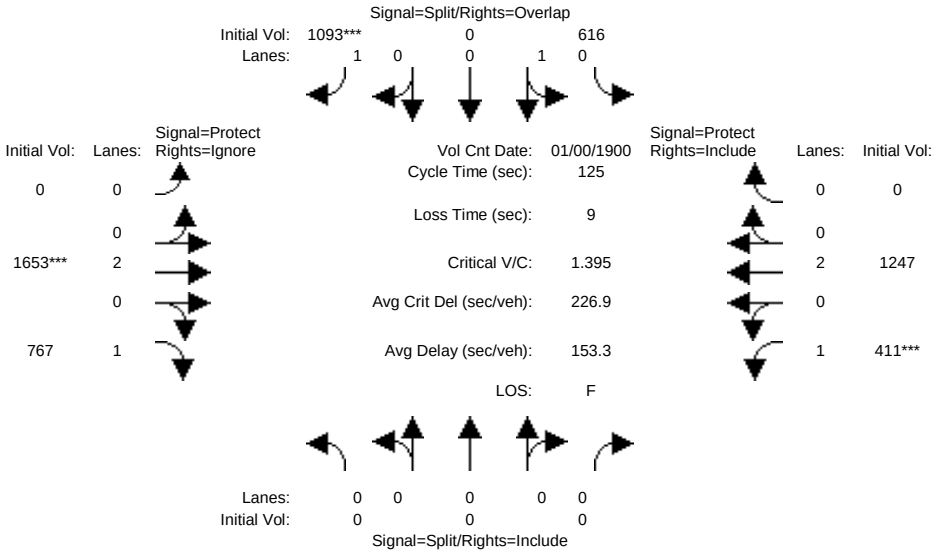
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #7: Tennant Ave / US-101 SB Ramps



Street Name:	US-101 SB Ramps						Tennant 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	10	10	0	0	10	10	7	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	0	0	0	70	0	960	0	1080	670	80	870	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	70	0	960	0	1080	670	80	870	0
Added Vol:	0	0	0	546	0	133	0	573	97	331	377	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	616	0	1093	0	1653	767	411	1247	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	616	0	1093	0	1653	0	411	1247	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	616	0	1093	0	1653	0	411	1247	0
PCE 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
MLF 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
FinalVolume:	0	0	0	616	0	1093	0	1653	0	411	1247	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	0.95	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	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	0	0	0	1800	0	1750	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.34	0.00	0.62	0.00	0.44	0.00	0.23	0.33	0.00
Crit Moves:						****		****		****		
Green/Cycle:	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.31	0.00	0.17	0.48	0.00
Volume/Cap:	0.00	0.00	0.00	0.76	0.00	1.39	0.00	1.39	0.00	1.39	0.68	0.00
Delay/Veh:	0.0	0.0	0.0	33.4	0.0	220.0	0.0	226	0.0	249.1	26.2	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:	0.0	0.0	0.0	33.4	0.0	220.0	0.0	226	0.0	249.1	26.2	0.0
LOS by Move:	A	A	A	C-	A	F	A	F	A	F	C	A
HCM2kAvgQ:	0	0	0	22	0	86	0	60	0	32	18	0

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

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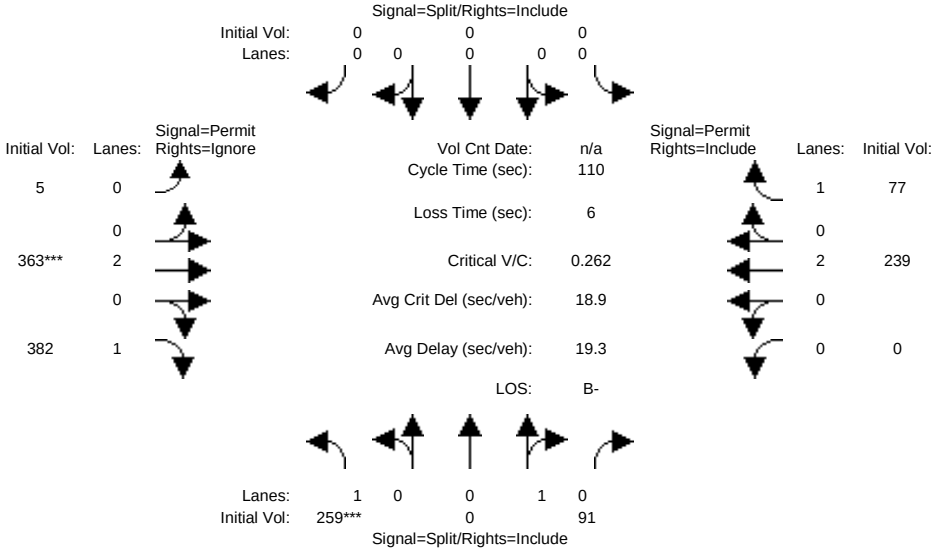
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #8: Tennant Ave / US-101 NB Ramps



Street Name:	US-101 NB Ramps						Tennant 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:	10	0	10	0	0	0	0	10	10	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:	259	0	91	0	0	0	5	363	382	0	239	77
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:	259	0	91	0	0	0	5	363	382	0	239	77
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:	259	0	91	0	0	0	5	363	382	0	239	77
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:	259	0	91	0	0	0	5	363	0	0	239	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	259	0	91	0	0	0	5	363	0	0	239	77
PCE 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
MLF 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
FinalVolume:	259	0	91	0	0	0	5	363	0	0	239	77
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	1.00	0.92	0.95	0.97	0.92	0.92	1.00	0.92
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.03	1.97	1.00	0.00	2.00	1.00
Final Sat.:	1750	0	1800	0	0	0	50	3650	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.15	0.00	0.05	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.06	0.04
Crit Moves:	****							****				
Green/Cycle:	0.57	0.00	0.57	0.00	0.00	0.00	0.38	0.38	0.00	0.00	0.38	0.38
Volume/Cap:	0.26	0.00	0.09	0.00	0.00	0.00	0.26	0.26	0.00	0.00	0.17	0.12
Delay/Veh:	12.3	0.0	11.0	0.0	0.0	0.0	23.6	23.6	0.0	0.0	22.6	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:	12.3	0.0	11.0	0.0	0.0	0.0	23.6	23.6	0.0	0.0	22.6	22.2
LOS by Move:	B	A	B+	A	A	A	C	C	A	A	C+	C+
HCM2kAvgQ:	5	0	1	0	0	0	4	4	0	0	3	2

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

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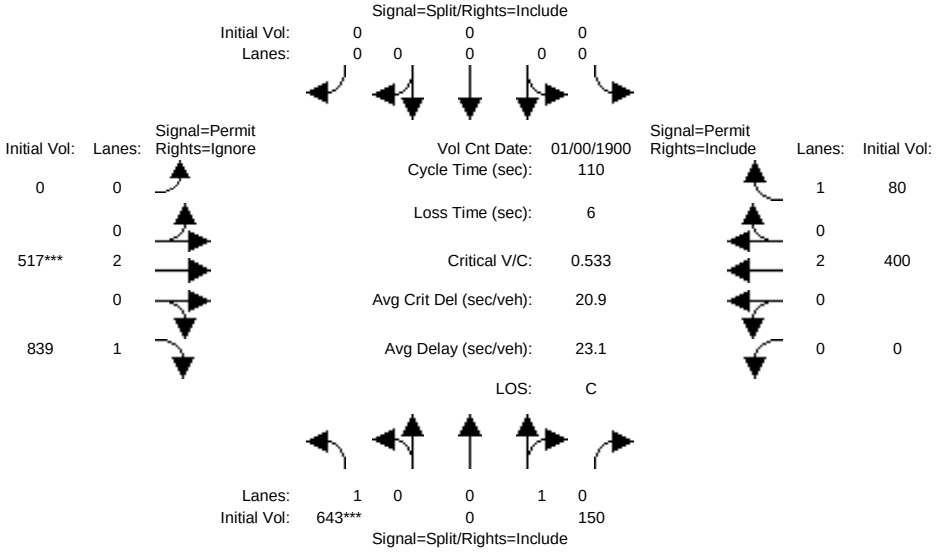
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 No Project PM

Intersection #8: Tennant Ave / US-101 NB Ramps

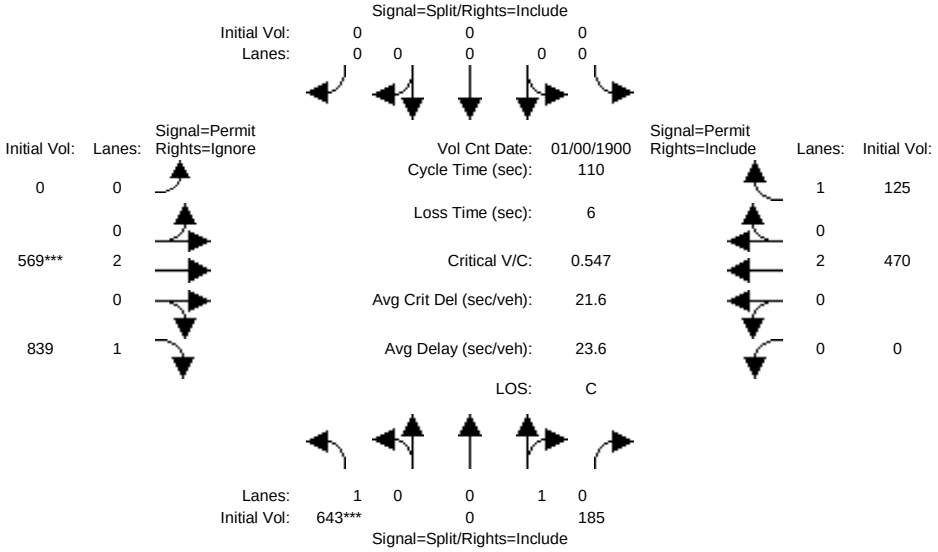



```
Street Name:         US-101 NB Ramps                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Min. Green:    10    0    10     0    0     0     0   10    10     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: 0 Jan 1900 << 12:00:00 AM
Base Vol:     570    0   150     0    0     0     0  490   660     0  380    80
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:  570    0   150     0    0     0     0  490   660     0  380    80
Added Vol:     73    0     0     0    0     0     0   27   179     0   20     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  643    0   150     0    0     0     0  517   839     0  400    80
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:   643    0   150     0    0     0     0  517     0     0  400    80
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  643    0   150     0    0     0     0  517     0     0  400    80
PCE 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
MLF 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
FinalVolume:  643    0   150     0    0     0     0  517     0     0  400    80
------------|---------------||---------------||---------------||---------------|
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 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  0.00 2.00  1.00  0.00 2.00  1.00
Final Sat.:  1750    0  1800     0    0     0     0 3800  1750     0 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.37 0.00  0.08  0.00 0.00  0.00  0.00 0.14  0.00  0.00 0.11  0.05
Crit Moves:  ****                                   ****
Green/Cycle: 0.69 0.00  0.69  0.00 0.00  0.00  0.00 0.26  0.00  0.00 0.26  0.26
Volume/Cap:  0.53 0.00  0.12  0.00 0.00  0.00  0.00 0.53  0.00  0.00 0.41  0.18
Delay/Veh:    8.8  0.0   5.8   0.0  0.0   0.0   0.0 35.9   0.0   0.0 34.4  32.1
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:   8.8  0.0   5.8   0.0  0.0   0.0   0.0 35.9   0.0   0.0 34.4  32.1
LOS by Move:    A    A     A     A    A     A     A   D+     A     A   C-    C-
HCM2kAvgQ:     12    0     2     0    0     0     0    7     0     0    6     2
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Project PM

Intersection #8: Tennant Ave / US-101 NB Ramps

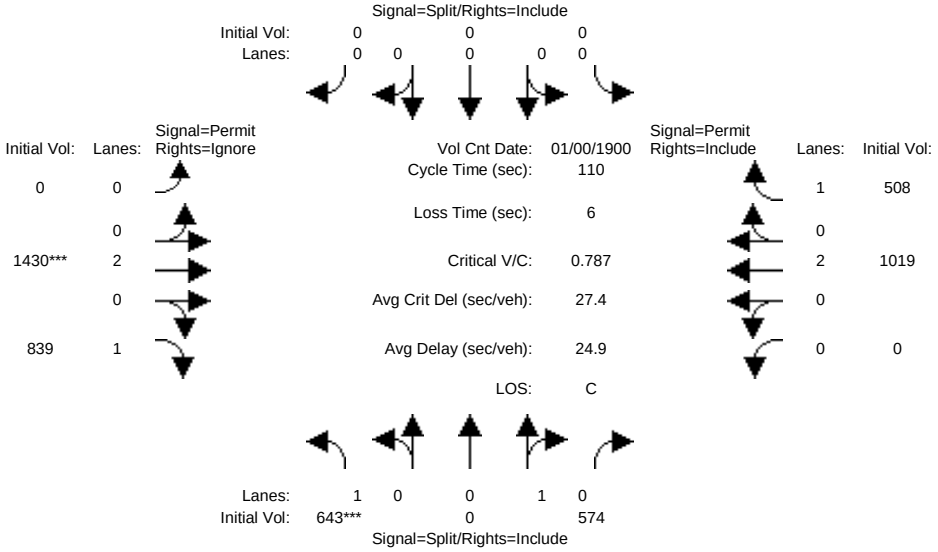



```
Street Name:         US-101 NB Ramps                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Min. Green:    10    0    10     0    0     0     0   10    10     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: 0 Jan 1900 << 12:00:00 AM
Base Vol:     570    0   150     0    0     0     0  490   660     0  380    80
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:  570    0   150     0    0     0     0  490   660     0  380    80
Added Vol:     73    0    35     0    0     0     0   79   179     0   90    45
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  643    0   185     0    0     0     0  569   839     0  470   125
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:   643    0   185     0    0     0     0  569     0     0  470   125
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  643    0   185     0    0     0     0  569     0     0  470   125
PCE 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
MLF 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
FinalVolume:  643    0   185     0    0     0     0  569     0     0  470   125
------------|---------------||---------------||---------------||---------------|
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 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  0.00 2.00  1.00  0.00 2.00  1.00
Final Sat.:  1750    0  1800     0    0     0     0 3800  1750     0 3800  1750
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     0.37 0.00  0.10  0.00 0.00  0.00  0.00 0.15  0.00  0.00 0.12  0.07
Crit Moves:  ****                                   ****
Green/Cycle: 0.67 0.00  0.67  0.00 0.00  0.00  0.00 0.27  0.00  0.00 0.27  0.27
Volume/Cap:  0.55 0.00  0.15  0.00 0.00  0.00  0.00 0.55  0.00  0.00 0.45  0.26
Delay/Veh:    9.9  0.0   6.7   0.0  0.0   0.0   0.0 34.7   0.0   0.0 33.4  31.5
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:   9.9  0.0   6.7   0.0  0.0   0.0   0.0 34.7   0.0   0.0 33.4  31.5
LOS by Move:    A    A     A     A    A     A     A   C-     A     A   C-     C
HCM2kAvgQ:     12    0     2     0    0     0     0    7     0     0    7     4
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #8: Tennant Ave / US-101 NB Ramps



Street Name:	US-101 NB Ramps						Tennant 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:	10	0	10	0	0	0	0	10	10	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: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	570	0	150	0	0	0	0	490	660	0	380	80
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:	570	0	150	0	0	0	0	490	660	0	380	80
Added Vol:	73	0	424	0	0	0	0	940	179	0	639	428
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	643	0	574	0	0	0	0	1430	839	0	1019	508
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:	643	0	574	0	0	0	0	1430	0	0	1019	508
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	643	0	574	0	0	0	0	1430	0	0	1019	508
PCE 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
MLF 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
FinalVolume:	643	0	574	0	0	0	0	1430	0	0	1019	508
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	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	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	1750	0	1800	0	0	0	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.37	0.00	0.32	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.27	0.29
Crit Moves:	****							****				
Green/Cycle:	0.47	0.00	0.47	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.48	0.48
Volume/Cap:	0.79	0.00	0.68	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.56	0.61
Delay/Veh:	29.8	0.0	25.3	0.0	0.0	0.0	0.0	26.4	0.0	0.0	20.8	22.4
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:	29.8	0.0	25.3	0.0	0.0	0.0	0.0	26.4	0.0	0.0	20.8	22.4
LOS by Move:	C	A	C	A	A	A	A	C	A	A	C+	C+
HCM2kAvgQ:	21	0	17	0	0	0	0	19	0	0	12	14

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

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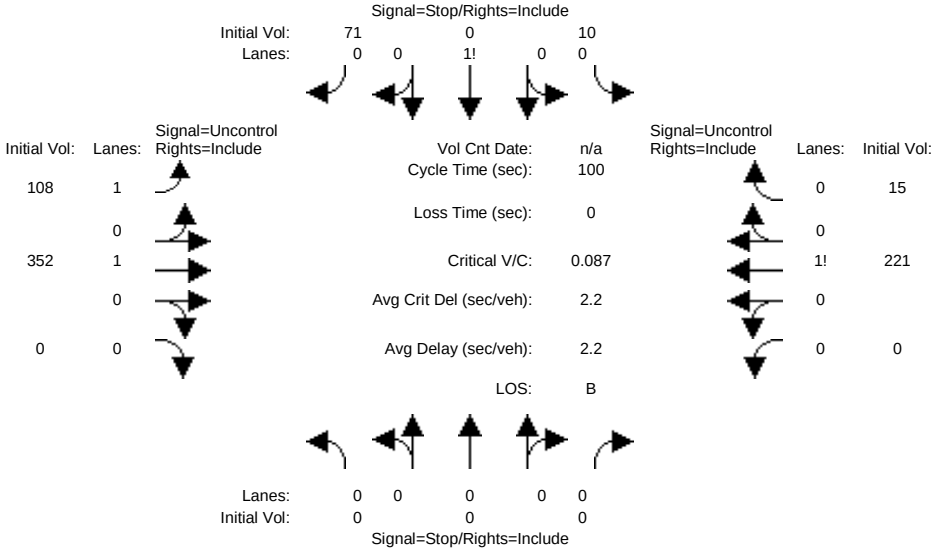
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0    0     0    10    0    71   108  352     0     0  221    15
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    10    0    71   108  352     0     0  221    15
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    10    0    71   108  352     0     0  221    15
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    10    0    71   108  352     0     0  221    15
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0    10    0    71   108  352     0     0  221    15
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.4  6.5   6.2   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   797  797   229   236 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   359  322   816  1343 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   337  296   816  1343 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.03 0.00  0.09  0.08 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.3 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   7.9 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     A    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  694 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx  0.4 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx 10.9 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    B     *     *    *     *     *    *     *
ApproachDel:    xxxxxx             10.9           xxxxxx           xxxxxx
ApproachLOS:         *                B                *                *
Note: Queue reported is the number of cars per lane.
```

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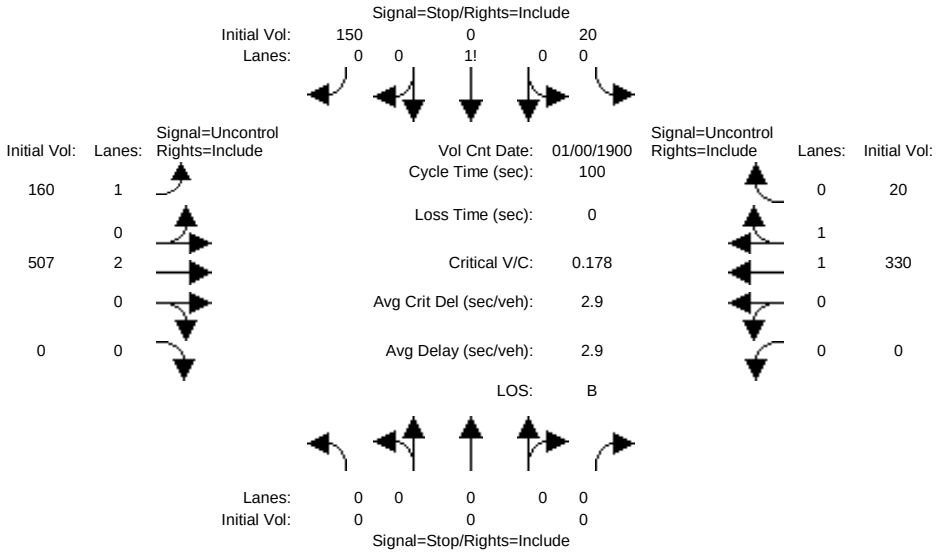
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project PM

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0    20    0   150   160  480     0     0  310    20
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    20    0   150   160  480     0     0  310    20
Added Vol:      0    0     0     0    0     0     0   27     0     0   20     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0    0     0    20    0   150   160  507     0     0  330    20
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    20    0   150   160  507     0     0  330    20
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0    20    0   150   160  507     0     0  330    20
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.8  6.5   6.9   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   914 1167   175   350 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   276  195   844  1220 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   249  170   844  1220 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.08 0.00  0.18  0.13 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.5 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.4 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     A    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  659 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx  1.0 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx 12.4 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    B     *     *    *     *     *    *     *
ApproachDel:    xxxxxx             12.4           xxxxxx           xxxxxx
ApproachLOS:         *                B                *                *
Note: Queue reported is the number of cars per lane.
```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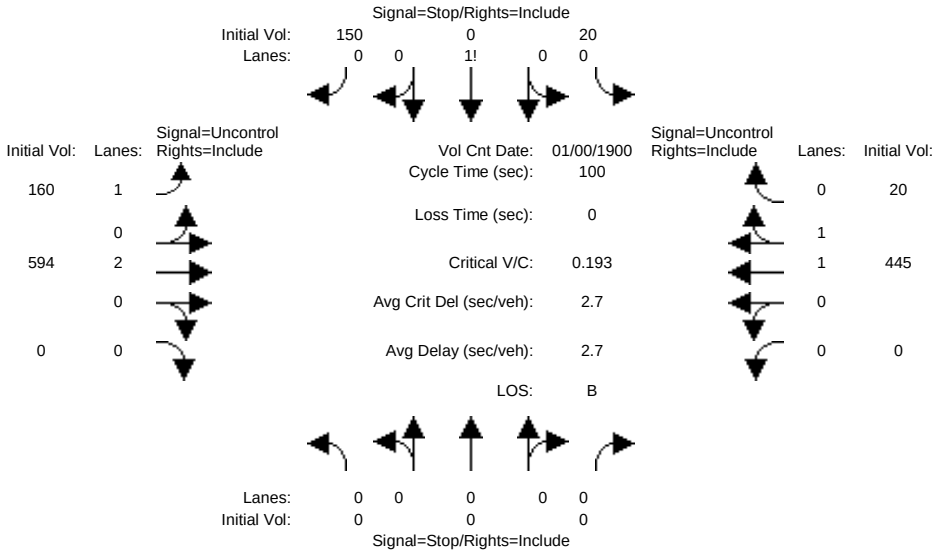
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project PM

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0    20    0   150   160  480     0     0  310    20
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    20    0   150   160  480     0     0  310    20
Added Vol:      0    0     0     0    0     0     0  114     0     0  135     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0    0     0    20    0   150   160  594     0     0  445    20
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    20    0   150   160  594     0     0  445    20
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0    20    0   150   160  594     0     0  445    20
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.8  6.5   6.9   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  1072 1369   233   465 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   219  148   776  1107 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   194  127   776  1107 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.10 0.00  0.19  0.14 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.5 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.8 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     A    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  574 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx  1.2 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx 13.9 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    B     *     *    *     *     *    *     *
ApproachDel:    xxxxxx             13.9           xxxxxx           xxxxxx
ApproachLOS:         *                B                *                *
Note: Queue reported is the number of cars per lane.
```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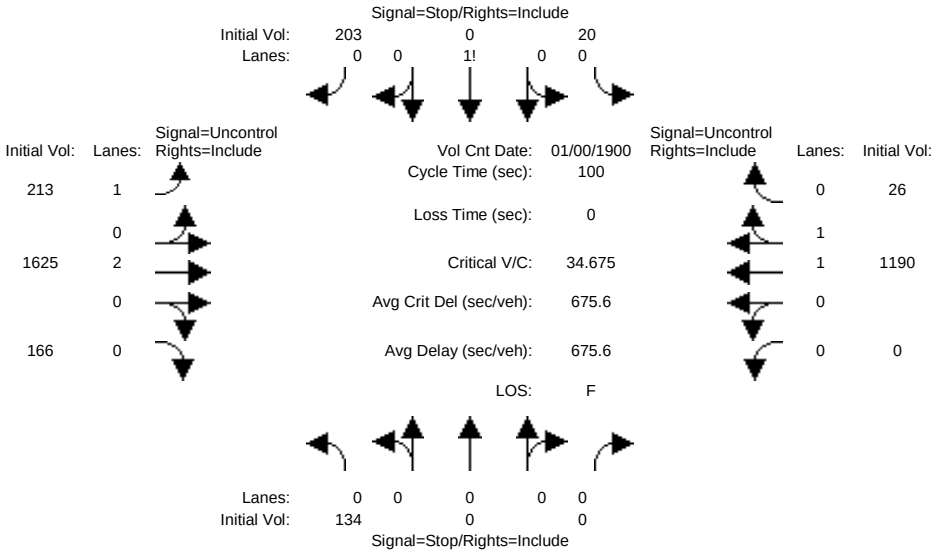
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #9: Tennant Ave / Condit Rd




```
Street Name:            Condit Rd                        Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0    20    0   150   160  480     0     0  310    20
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    20    0   150   160  480     0     0  310    20
Added Vol:    134    0     0     0    0    53    53 1145   166     0  880     6
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  134    0     0    20    0   203   213 1625   166     0 1190    26
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:   134    0     0    20    0   203   213 1625   166     0 1190    26
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:  134    0     0    20    0   203   213 1625   166     0 1190    26
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  7.5 xxxx xxxxx   7.5  6.5   6.9   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5 xxxx xxxxx   3.5  4.0   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2729 xxxx xxxxx  2442 3420   608  1216 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:   10 xxxx xxxxx    17    7   444   581 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:      4 xxxx xxxxx    12    5   444   581 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap: 34.68 xxxx  xxxx  1.68 0.00  0.46  0.37 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   18.9 xxxx xxxxx  xxxx xxxx xxxxx   1.7 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:16996 xxxx xxxxx xxxxx xxxx xxxxx  14.8 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     B    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx  104 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx 19.2 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx  611 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    F     *     *    *     *     *    *     *
ApproachDel:    xxxxxx            610.6           xxxxxx           xxxxxx
ApproachLOS:         F                F                *                *
Note: Queue reported is the number of cars per lane.
```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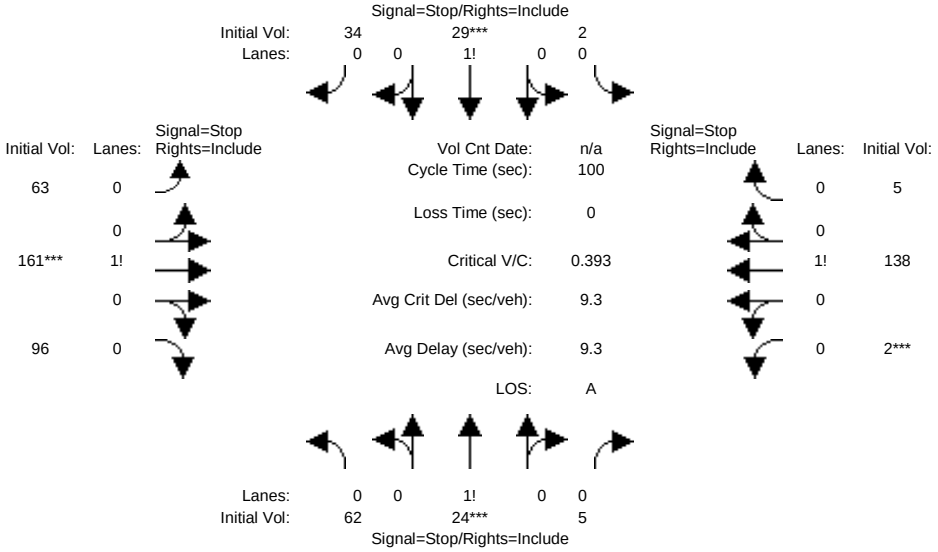
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Existing PM

Intersection #10: Tennant Ave / Murphy Ave



Street Name:	Murphy Ave						Tennant 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
Volume Module:												
Base Vol:	62	24	5	2	29	34	63	161	96	2	138	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:	62	24	5	2	29	34	63	161	96	2	138	5
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:	62	24	5	2	29	34	63	161	96	2	138	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:	62	24	5	2	29	34	63	161	96	2	138	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	24	5	2	29	34	63	161	96	2	138	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:	62	24	5	2	29	34	63	161	96	2	138	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:	0.69	0.26	0.05	0.03	0.45	0.52	0.20	0.50	0.30	0.01	0.96	0.03
Final Sat.:	445	172	36	21	310	364	160	409	244	10	715	26
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.14	0.09	0.09	0.09	0.39	0.39	0.39	0.19	0.19	0.19
Crit Moves:		****			****			****			****	
Delay/Veh:	8.8	8.8	8.8	8.2	8.2	8.2	10.0	10.0	10.0	8.6	8.6	8.6
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:	8.8	8.8	8.8	8.2	8.2	8.2	10.0	10.0	10.0	8.6	8.6	8.6
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		8.8			8.2			10.0			8.6	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		8.8			8.2			10.0			8.6	
LOS by Appr:		A			A			A			A	
AllWayAvgQ:	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.6	0.6	0.2	0.2	0.2

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

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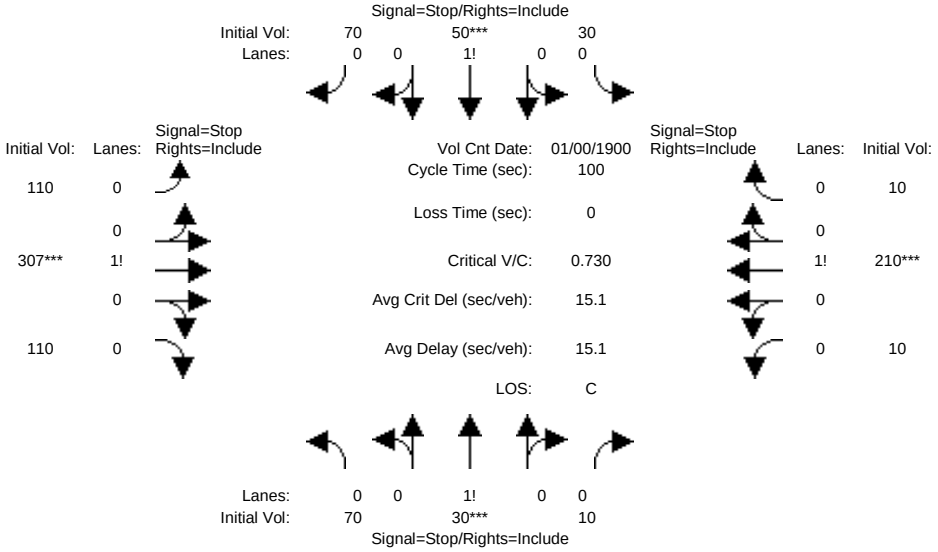
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
2030 No Project PM

Intersection #10: Tennant Ave / Murphy Ave



Street Name:	Murphy Ave						Tennant 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
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	70	30	10	30	50	70	110	280	110	10	190	10
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:	70	30	10	30	50	70	110	280	110	10	190	10
Added Vol:	0	0	0	0	0	0	0	27	0	0	20	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	70	30	10	30	50	70	110	307	110	10	210	10
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:	70	30	10	30	50	70	110	307	110	10	210	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	30	10	30	50	70	110	307	110	10	210	10
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:	70	30	10	30	50	70	110	307	110	10	210	10
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:	0.64	0.27	0.09	0.20	0.33	0.47	0.21	0.58	0.21	0.04	0.92	0.04
Final Sat.:	334	143	48	113	189	264	151	420	151	28	585	28
Capacity Analysis Module:												
Vol/Sat:	0.21	0.21	0.21	0.26	0.26	0.26	0.73	0.73	0.73	0.36	0.36	0.36
Crit Moves:		****			****			****			****	
Delay/Veh:	10.4	10.4	10.4	10.4	10.4	10.4	19.2	19.2	19.2	11.0	11.0	11.0
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	10.4	10.4	10.4	19.2	19.2	19.2	11.0	11.0	11.0
LOS by Move:	B	B	B	B	B	B	C	C	C	B	B	B
ApproachDel:		10.4			10.4			19.2			11.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		10.4			10.4			19.2			11.0	
LOS by Appr:		B			B			C			B	
AllWayAvgQ:	0.2	0.2	0.2	0.3	0.3	0.3	2.3	2.3	2.3	0.5	0.5	0.5

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

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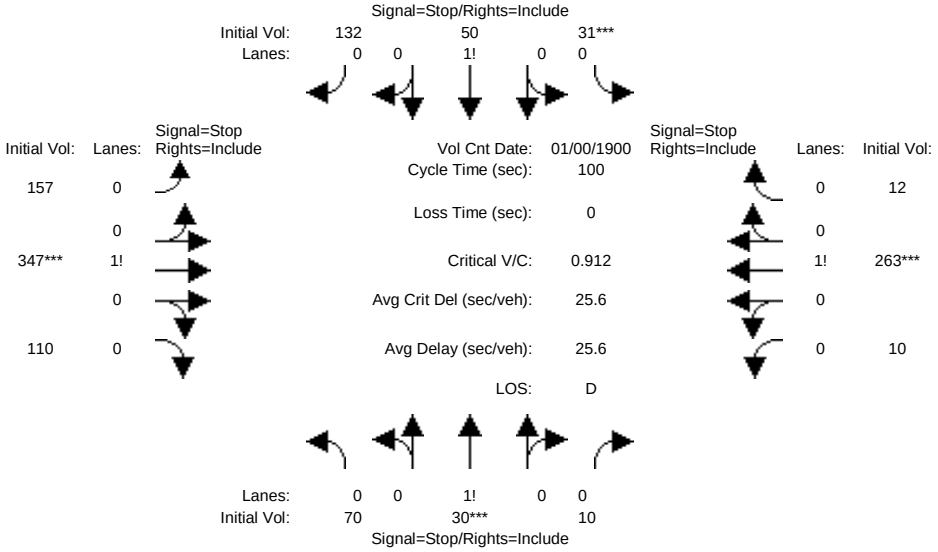
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
2030 + Project PM

Intersection #10: Tennant Ave / Murphy Ave



Street Name:	Murphy Ave						Tennant 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
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM												
Base Vol:	70	30	10	30	50	70	110	280	110	10	190	10
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:	70	30	10	30	50	70	110	280	110	10	190	10
Added Vol:	0	0	0	1	0	62	47	67	0	0	73	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	70	30	10	31	50	132	157	347	110	10	263	12
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:	70	30	10	31	50	132	157	347	110	10	263	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	30	10	31	50	132	157	347	110	10	263	12
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:	70	30	10	31	50	132	157	347	110	10	263	12
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:	0.64	0.27	0.09	0.15	0.23	0.62	0.26	0.56	0.18	0.04	0.92	0.04
Final Sat.:	311	133	44	81	130	343	172	380	121	21	544	25
Capacity Analysis Module:												
Vol/Sat:	0.23	0.23	0.23	0.38	0.38	0.38	0.91	0.91	0.91	0.48	0.48	0.48
Crit Moves:		****		****				****			****	
Delay/Veh:	11.5	11.5	11.5	12.5	12.5	12.5	38.2	38.2	38.2	13.7	13.7	13.7
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:	11.5	11.5	11.5	12.5	12.5	12.5	38.2	38.2	38.2	13.7	13.7	13.7
LOS by Move:	B	B	B	B	B	B	E	E	E	B	B	B
ApproachDel:		11.5			12.5			38.2			13.7	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		11.5			12.5			38.2			13.7	
LOS by Appr:		B			B			E			B	
AllWayAvgQ:	0.2	0.2	0.2	0.5	0.5	0.5	5.6	5.6	5.6	0.8	0.8	0.8

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

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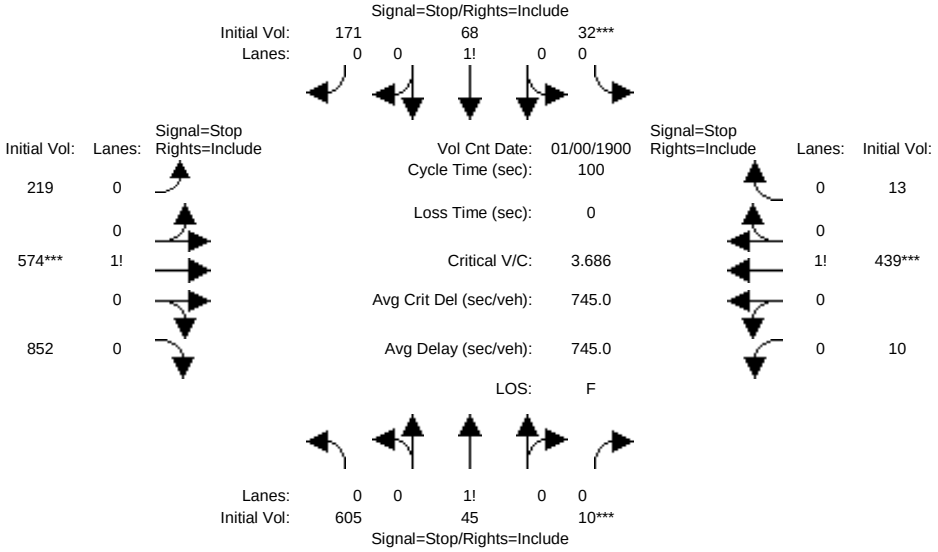
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #10: Tennant Ave / Murphy Ave




```
Street Name:            Murphy Ave                          Tennant 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
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:      70   30    10    30   50    70   110  280   110    10  190    10
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:   70   30    10    30   50    70   110  280   110    10  190    10
Added Vol:    535   15     0     2   18   101   109  294   742     0  249     3
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:  605   45    10    32   68   171   219  574   852    10  439    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:   605   45    10    32   68   171   219  574   852    10  439    13
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
Reduced Vol:  605   45    10    32   68   171   219  574   852    10  439    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:  605   45    10    32   68   171   219  574   852    10  439    13
------------|---------------||---------------||---------------||---------------|
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:       0.92 0.07  0.01  0.12 0.25  0.63  0.13 0.35  0.52  0.02 0.95  0.03
Final Sat.:   387   29     6    48  103   259    59  156   231     9  410    12
------------|---------------||---------------||---------------||---------------|
Capacity Analysis Module:
Vol/Sat:     1.56 1.56  1.56  0.66 0.66  0.66  3.69 3.69  3.69  1.07 1.07  1.07
Crit Moves:             ****  ****                   ****              ****
Delay/Veh:  286.6  287 286.6  27.2 27.2  27.2  1231 1231  1231  92.4 92.4  92.4
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: 286.6  287 286.6  27.2 27.2  27.2  1231 1231  1231  92.4 92.4  92.4
LOS by Move:    F    F     F     D    D     D     F    F     F     F    F     F
ApproachDel:     286.6             27.2           1230.6             92.4
Delay Adj:        1.00             1.00             1.00             1.00
ApprAdjDel:      286.6             27.2           1230.6             92.4
LOS by Appr:         F                D                F                F
AllWayAvgQ:  32.3 32.3  32.3   1.8  1.8   1.8   151  151 151.2   9.7  9.7   9.7
Note: Queue reported is the number of cars per lane.
```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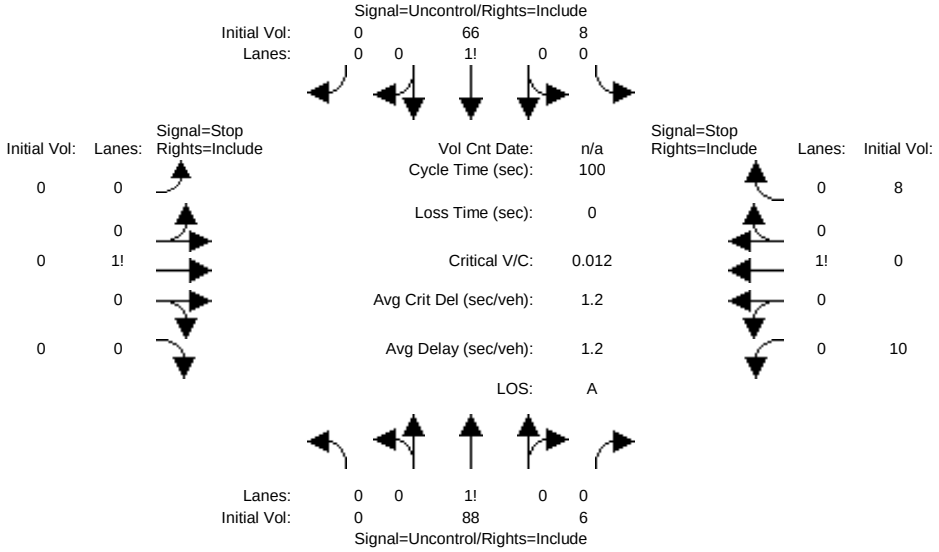
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #11: Murphy Ave / Barrett Ave




```
Street Name:            Murphy Ave                          Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0   88     6     8   66     0     0    0     0    10    0     8
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   88     6     8   66     0     0    0     0    10    0     8
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   88     6     8   66     0     0    0     0    10    0     8
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   88     6     8   66     0     0    0     0    10    0     8
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0   88     6     8   66     0     0    0     0    10    0     8
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx   7.1  6.5   6.2   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx   3.5  4.0   3.3   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx    94 xxxx xxxxx   177  176    66   173  173    91
Potent Cap.: xxxx xxxx xxxxx  1513 xxxx xxxxx   790  721  1003   822  724   972
Move Cap.:   xxxx xxxx xxxxx  1513 xxxx xxxxx   780  717  1003   818  720   972
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  0.00 0.00  0.00  0.01 0.00  0.01
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx    0 xxxxx  xxxx  880 xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   7.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  9.2 xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    A     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx               9.2
ApproachLOS:         *                *                *                 A
Note: Queue reported is the number of cars per lane.
```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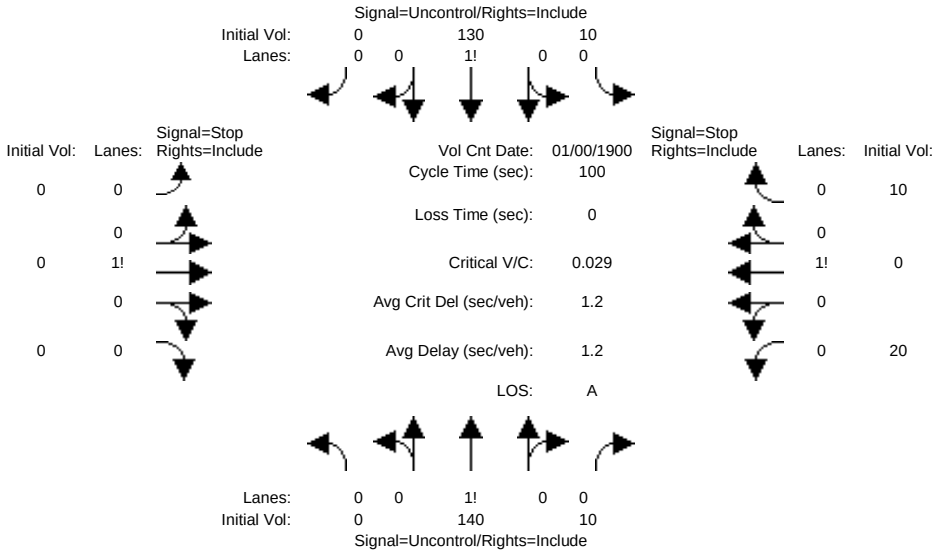
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project PM

Intersection #11: Murphy Ave / Barrett Ave




```
Street Name:            Murphy Ave                      Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  140    10    10  130     0     0    0     0    20    0    10
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  140    10    10  130     0     0    0     0    20    0    10
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  140    10    10  130     0     0    0     0    20    0    10
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  140    10    10  130     0     0    0     0    20    0    10
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  140    10    10  130     0     0    0     0    20    0    10
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx   7.1  6.5   6.2   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx   3.5  4.0   3.3   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   150 xxxx xxxxx   300  300   130   295  295   145
Potent Cap.: xxxx xxxx xxxxx  1444 xxxx xxxxx   656  616   925   700  620   908
Move Cap.:   xxxx xxxx xxxxx  1444 xxxx xxxxx   646  611   925   697  615   908
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  0.00 0.00  0.00  0.03 0.00  0.01
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx    0 xxxxx  xxxx  755 xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   7.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.0 xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    A     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.0
ApproachLOS:         *                *                *                A
Note: Queue reported is the number of cars per lane.
```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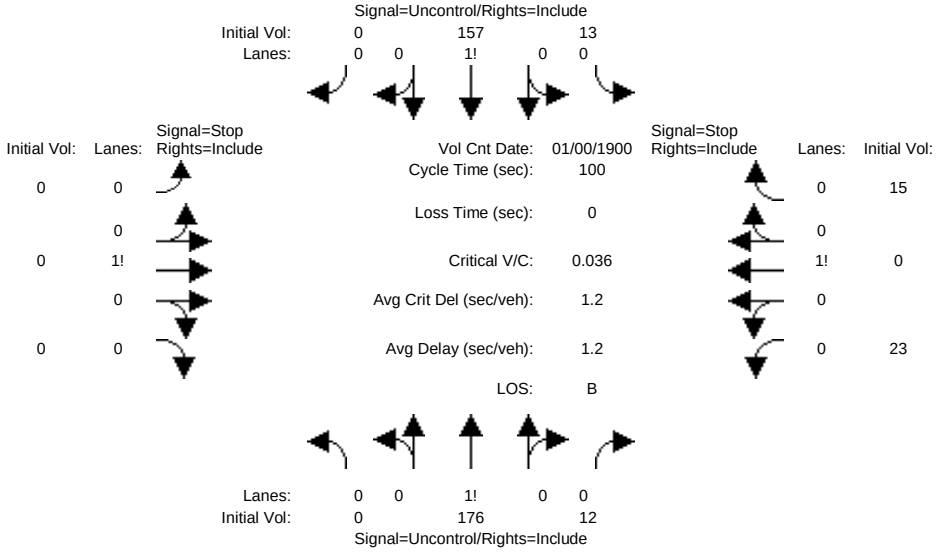
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project PM

Intersection #11: Murphy Ave / Barrett Ave

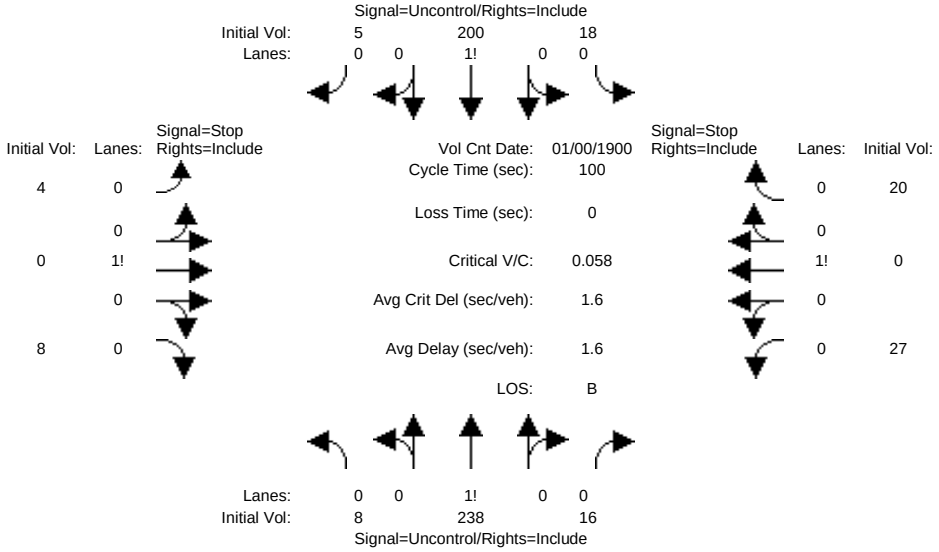



```
Street Name:            Murphy Ave                      Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  140    10    10  130     0     0    0     0    20    0    10
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  140    10    10  130     0     0    0     0    20    0    10
Added Vol:      0   36     2     3   27     0     0    0     0     3    0     5
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0  176    12    13  157     0     0    0     0    23    0    15
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  176    12    13  157     0     0    0     0    23    0    15
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  176    12    13  157     0     0    0     0    23    0    15
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx   7.1  6.5   6.2   6.4  6.5   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx   3.5  4.0   3.3   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   188 xxxx xxxxx   373  371   157   365  365   182
Potent Cap.: xxxx xxxx xxxxx  1398 xxxx xxxxx   588  562   894   639  566   866
Move Cap.:   xxxx xxxx xxxxx  1398 xxxx xxxxx   574  557   894   634  561   866
Volume/Cap:  xxxx xxxx  xxxx  0.01 xxxx  xxxx  0.00 0.00  0.00  0.04 0.00  0.02
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx    0 xxxxx  xxxx  709 xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.0 xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.2 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.4 xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.4
ApproachLOS:         *                *                *                B
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #11: Murphy Ave / Barrett Ave




```
Street Name:            Murphy Ave                          Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  140    10    10  130     0     0    0     0    20    0    10
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  140    10    10  130     0     0    0     0    20    0    10
Added Vol:      8   98     6     8   70     5     4    0     8     7    0    10
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    8  238    16    18  200     5     4    0     8    27    0    20
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  238    16    18  200     5     4    0     8    27    0    20
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    8  238    16    18  200     5     4    0     8    27    0    20
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  4.1 xxxx xxxxx   4.1 xxxx xxxxx   7.1  6.5   6.2   7.1  6.5   6.2
FollowUpTim:  2.2 xxxx xxxxx   2.2 xxxx xxxxx   3.5  4.0   3.3   3.5  4.0   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  205 xxxx xxxxx   254 xxxx xxxxx   511  509   203   505  503   246
Potent Cap.: 1378 xxxx xxxxx  1323 xxxx xxxxx   477  470   843   481  474   798
Move Cap.:   1378 xxxx xxxxx  1323 xxxx xxxxx   458  461   843   469  465   798
Volume/Cap:  0.01 xxxx  xxxx  0.01 xxxx  xxxx  0.01 0.00  0.01  0.06 0.00  0.03
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx   0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  7.6 xxxx xxxxx   7.8 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     A    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx  659 xxxxx  xxxx  569 xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx  0.1 xxxxx xxxxx  0.3 xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx 10.6 xxxxx xxxxx 11.9 xxxxx
Shared LOS:     *    *     *     *    *     *     *    B     *     *    B     *
ApproachDel:    xxxxxx           xxxxxx             10.6             11.9
ApproachLOS:         *                *                B                B
Note: Queue reported is the number of cars per lane.
```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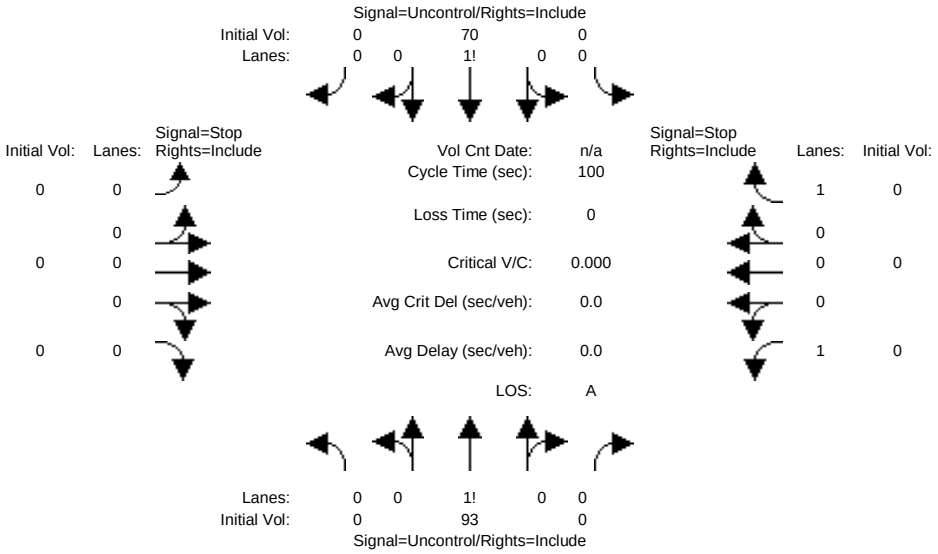
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #12: Murphy Ave / HS Driveway #1



Street Name:	Murphy Ave						HS Driveway #1					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Volume Module:												
Base Vol:	0	93	0	0	70	0	0	0	0	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	93	0	0	70	0	0	0	0	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	93	0	0	70	0	0	0	0	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	93	0	0	70	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	93	0	0	70	0	0	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	163	xxxx	93
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	832	xxxx	970
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	832	xxxx	970
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	xxxx	0.00
Level Of Service Module:												
2Way95thQ:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	*			*			*			*		

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

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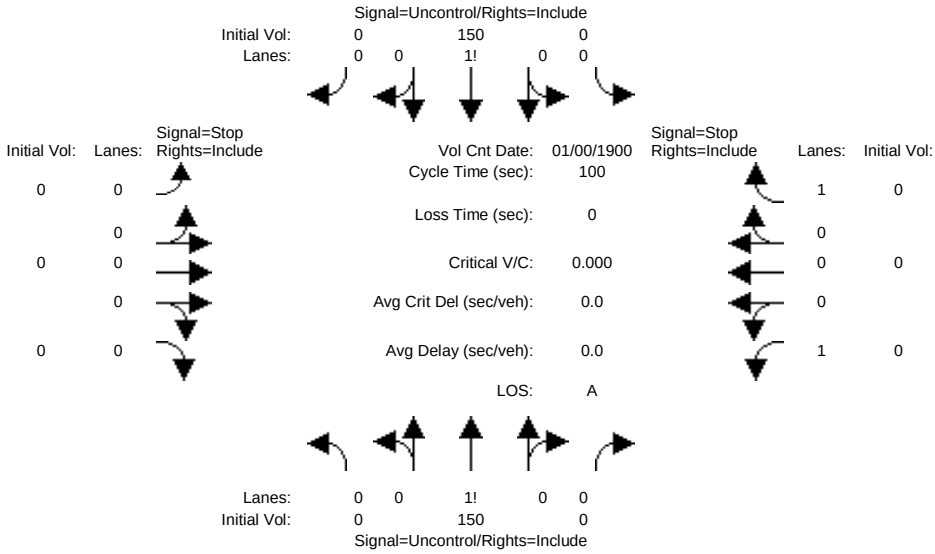
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project PM

Intersection #12: Murphy Ave / HS Driveway #1




```
Street Name:            Murphy Ave                      HS Driveway #1
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  150     0     0  150     0     0    0     0     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  150     0     0  150     0     0    0     0     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  150     0     0  150     0     0    0     0     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  150     0     0  150     0     0    0     0     0    0     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  150     0     0  150     0     0    0     0     0    0     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   6.4 xxxx   6.2
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   3.5 xxxx   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   300 xxxx   150
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   696 xxxx   902
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   696 xxxx   902
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.00 xxxx  0.00
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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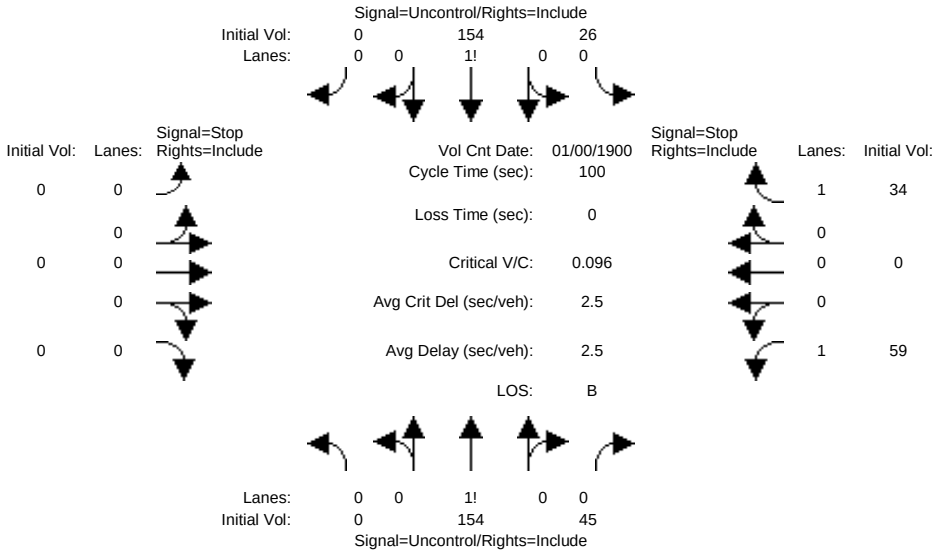
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project PM

Intersection #12: Murphy Ave / HS Driveway #1




```
Street Name:            Murphy Ave                      HS Driveway #1
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  150     0     0  150     0     0    0     0     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  150     0     0  150     0     0    0     0     0    0     0
Added Vol:      0    4    45    26    4     0     0    0     0    59    0    34
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0  154    45    26  154     0     0    0     0    59    0    34
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  154    45    26  154     0     0    0     0    59    0    34
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  154    45    26  154     0     0    0     0    59    0    34
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4 xxxx   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5 xxxx   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   199 xxxx xxxxx  xxxx xxxx xxxxx   383 xxxx   177
Potent Cap.: xxxx xxxx xxxxx  1385 xxxx xxxxx  xxxx xxxx xxxxx   624 xxxx   872
Move Cap.:   xxxx xxxx xxxxx  1385 xxxx xxxxx  xxxx xxxx xxxxx   615 xxxx   872
Volume/Cap:  xxxx xxxx  xxxx  0.02 xxxx  xxxx  xxxx xxxx  xxxx  0.10 xxxx  0.04
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.1 xxxx xxxxx  xxxx xxxx xxxxx   0.3 xxxx   0.1
Control Del:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx  11.5 xxxx   9.3
LOS by Move:    *    *     *     A    *     *     *    *     *     B    *     A
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   7.6 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             10.7
ApproachLOS:         *                *                *                 B
Note: Queue reported is the number of cars per lane.
```

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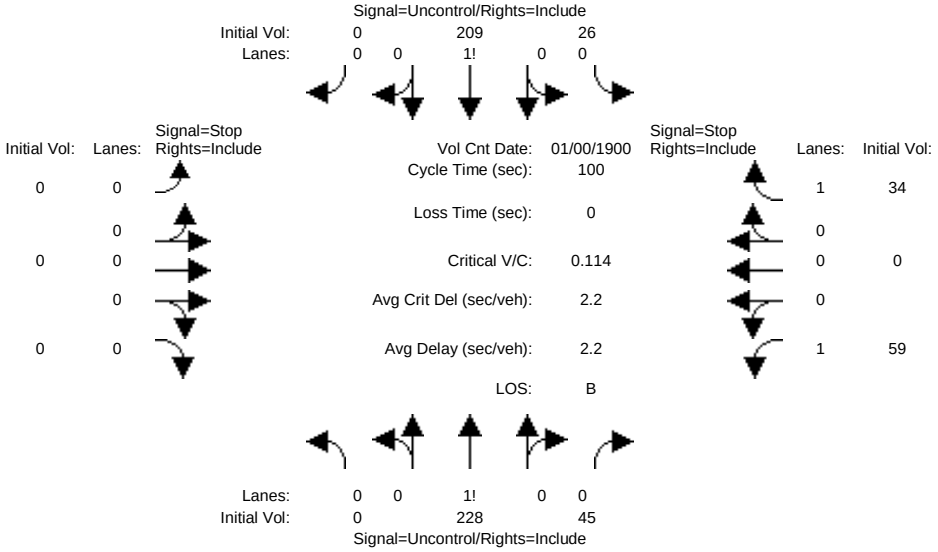
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #12: Murphy Ave / HS Driveway #1

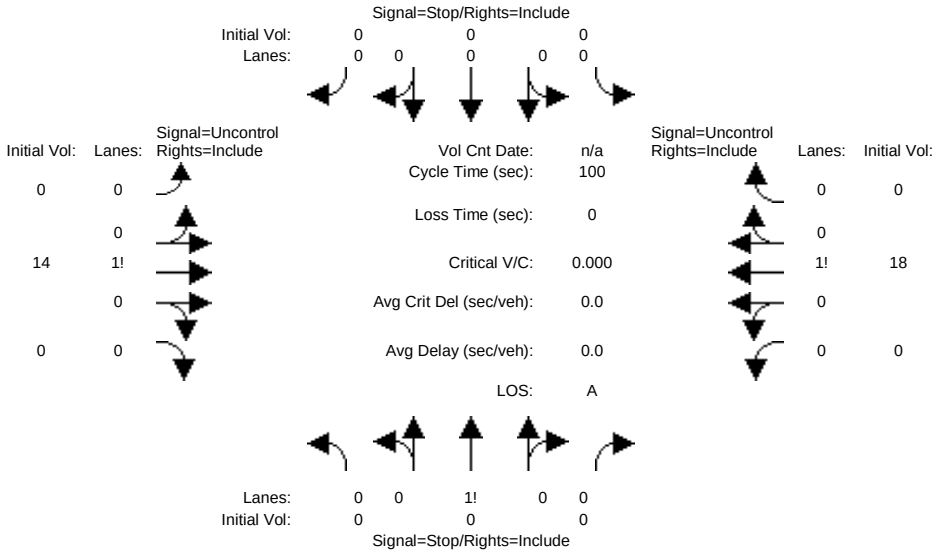



```
Street Name:            Murphy Ave                      HS Driveway #1
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0  150     0     0  150     0     0    0     0     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  150     0     0  150     0     0    0     0     0    0     0
Added Vol:      0   78    45    26   59     0     0    0     0    59    0    34
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0  228    45    26  209     0     0    0     0    59    0    34
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  228    45    26  209     0     0    0     0    59    0    34
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0  228    45    26  209     0     0    0     0    59    0    34
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   4.1 xxxx xxxxx xxxxx xxxx xxxxx   6.4 xxxx   6.2
FollowUpTim:xxxxx xxxx xxxxx   2.2 xxxx xxxxx xxxxx xxxx xxxxx   3.5 xxxx   3.3
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   273 xxxx xxxxx  xxxx xxxx xxxxx   512 xxxx   251
Potent Cap.: xxxx xxxx xxxxx  1302 xxxx xxxxx  xxxx xxxx xxxxx   526 xxxx   793
Move Cap.:   xxxx xxxx xxxxx  1302 xxxx xxxxx  xxxx xxxx xxxxx   518 xxxx   793
Volume/Cap:  xxxx xxxx  xxxx  0.02 xxxx  xxxx  xxxx xxxx  xxxx  0.11 xxxx  0.04
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx   0.1 xxxx xxxxx  xxxx xxxx xxxxx   0.4 xxxx   0.1
Control Del:xxxxx xxxx xxxxx   7.8 xxxx xxxxx xxxxx xxxx xxxxx  12.8 xxxx   9.7
LOS by Move:    *    *     *     A    *     *     *    *     *     B    *     A
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx   0.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx   7.8 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     A    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx             11.7
ApproachLOS:         *                *                *                 B
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0    0     0     0    0     0     0   14     0     0   18     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     0    0     0     0   14     0     0   18     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    0     0     0    0     0     0   14     0     0   18     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    0     0     0    0     0     0   14     0     0   18     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     0    0     0     0   14     0     0   18     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4  6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5  4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   32   32    14  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  987  865  1072  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    987  865  1072  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.00 0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx    0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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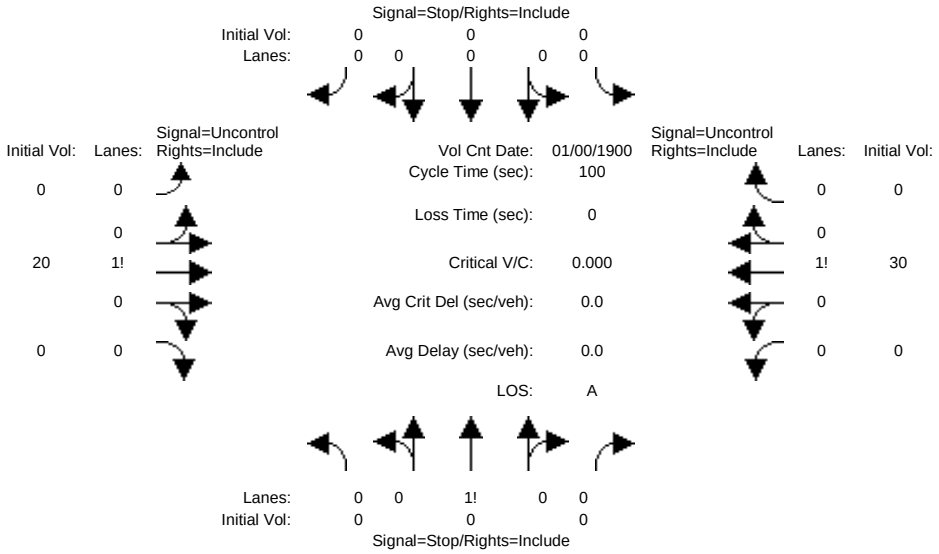
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project PM

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0   20     0     0   30     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     0    0     0     0   20     0     0   30     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    0     0     0    0     0     0   20     0     0   30     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    0     0     0    0     0     0   20     0     0   30     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     0    0     0     0   20     0     0   30     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4  6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5  4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   50   50    20  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  964  845  1064  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    964  845  1064  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.00 0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx    0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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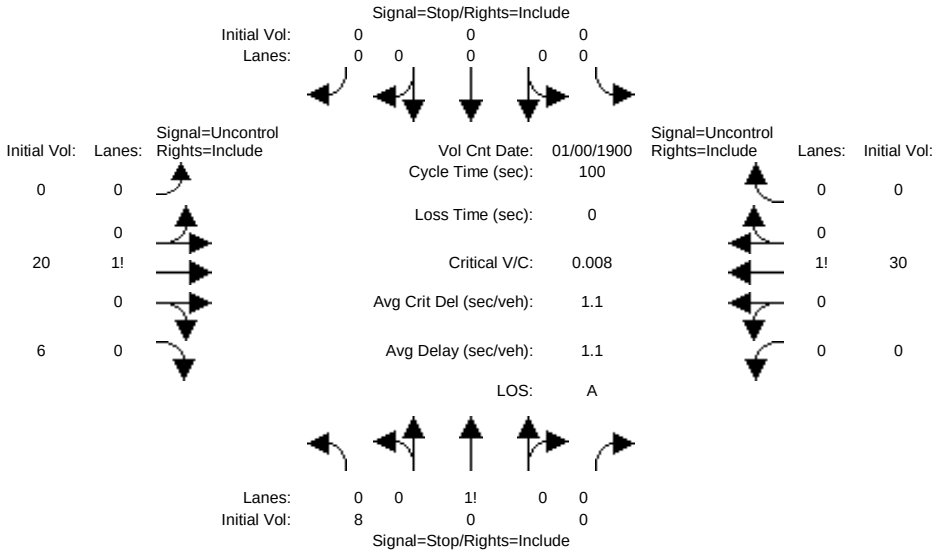
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project PM

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0   20     0     0   30     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     0    0     0     0   20     0     0   30     0
Added Vol:      8    0     0     0    0     0     0    0     6     0    0     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    8    0     0     0    0     0     0   20     6     0   30     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:     8    0     0     0    0     0     0   20     6     0   30     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    8    0     0     0    0     0     0   20     6     0   30     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   53 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  960 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    960 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  8.8 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:       8.8           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         A                 *                 *                 *
Note: Queue reported is the number of cars per lane.
```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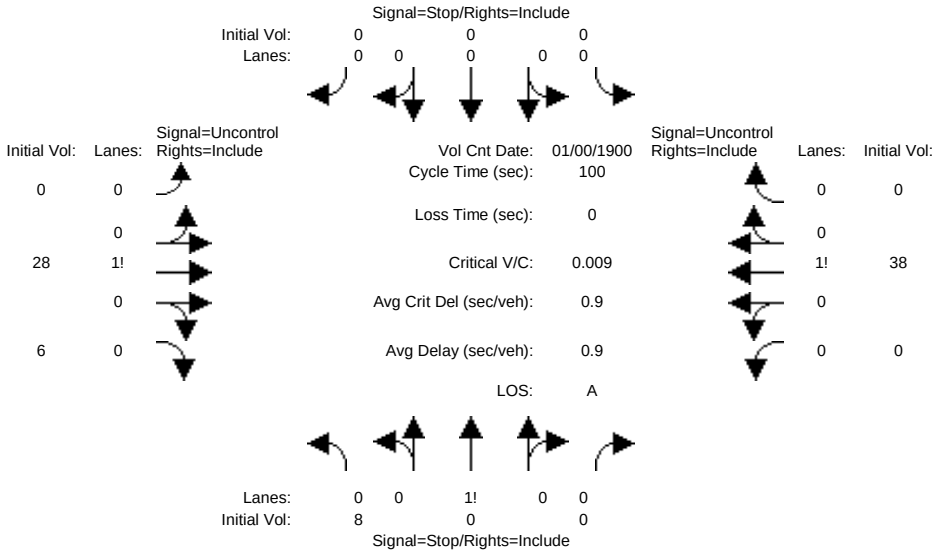
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #13: Barrett Ave / HS Driveway #2




```
Street Name:          HS Driveway #2                    Barrett Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0   20     0     0   30     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     0    0     0     0   20     0     0   30     0
Added Vol:      8    0     0     0    0     0     0    8     6     0    8     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    8    0     0     0    0     0     0   28     6     0   38     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:     8    0     0     0    0     0     0   28     6     0   38     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    8    0     0     0    0     0     0   28     6     0   38     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:  3.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   69 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.:  941 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:    941 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  0.01 xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    0.0 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:  8.9 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    A    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:       8.9           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         A                *                *                *
Note: Queue reported is the number of cars per lane.
```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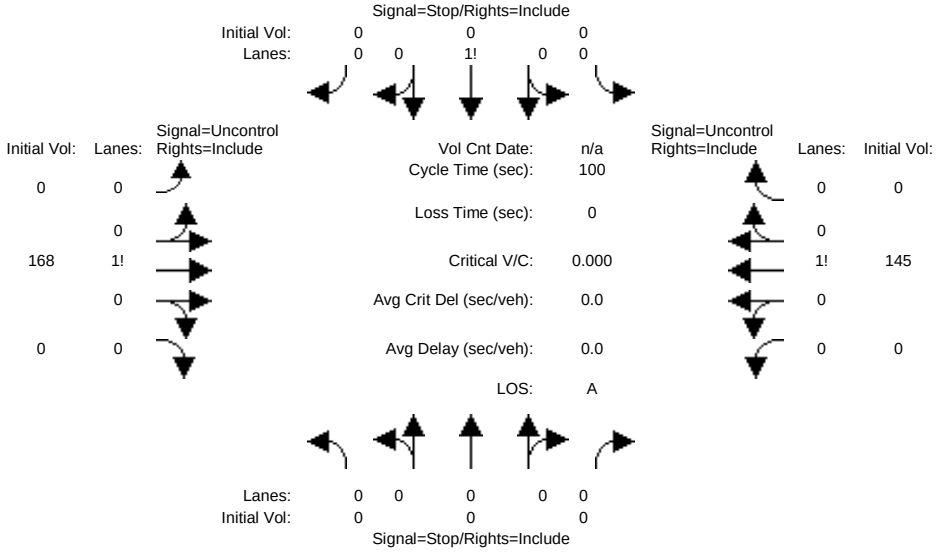
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

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

Intersection #14: Tennant Ave / HS Driveway #3




```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:       0     0     0     0     0     0     0   168     0     0   145     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     0     0     0     0   168     0     0   145     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     0     0     0     0     0     0   168     0     0   145     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     0     0     0     0     0     0   168     0     0   145     0
Reduct Vol:     0     0     0     0     0     0     0     0     0     0     0     0
FinalVolume:    0     0     0     0     0     0     0   168     0     0   145     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.4   6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5   4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   313   313   145  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   684   606   908  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   684   606   908  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.00  0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *     *     *     *     *     *     *     *     *     *     *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx     0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *     *     *     *     *     *     *     *     *     *     *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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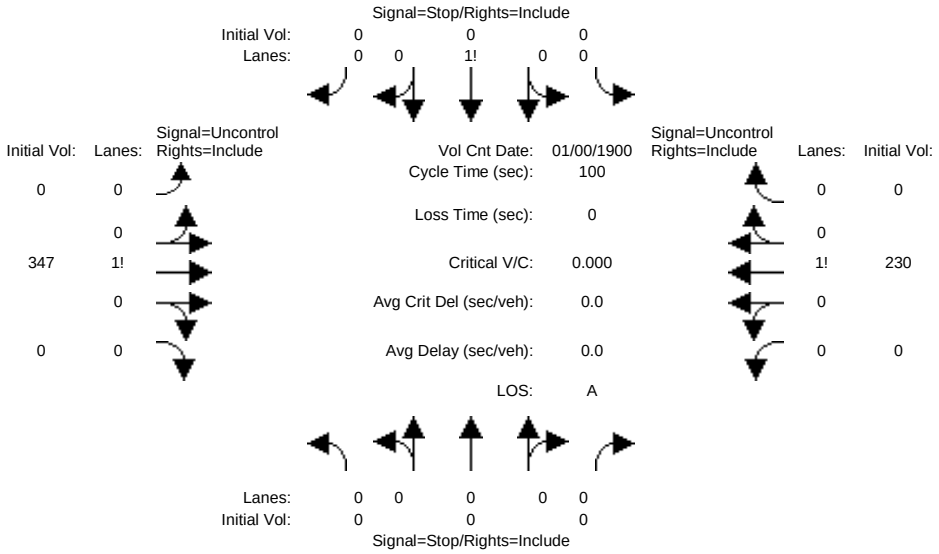
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 No Project PM

Intersection #14: Tennant Ave / HS Driveway #3




```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0  320     0     0  210     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     0    0     0     0  320     0     0  210     0
Added Vol:      0    0     0     0    0     0     0   27     0     0   20     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:    0    0     0     0    0     0     0  347     0     0  230     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    0     0     0    0     0     0  347     0     0  230     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:    0    0     0     0    0     0     0  347     0     0  230     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx   6.4  6.5   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx   3.5  4.0   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx   577  577   230  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx   482  430   814  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx   482  430   814  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  0.00 0.00  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     *     *    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx    0 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:    xxxxxx           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         *                *                *                *
Note: Queue reported is the number of cars per lane.
```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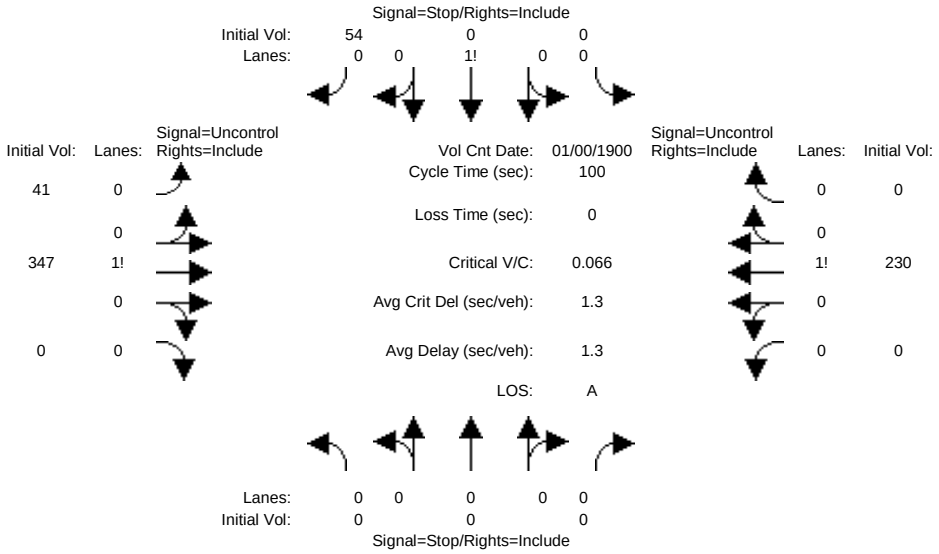
Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Project PM

Intersection #14: Tennant Ave / HS Driveway #3

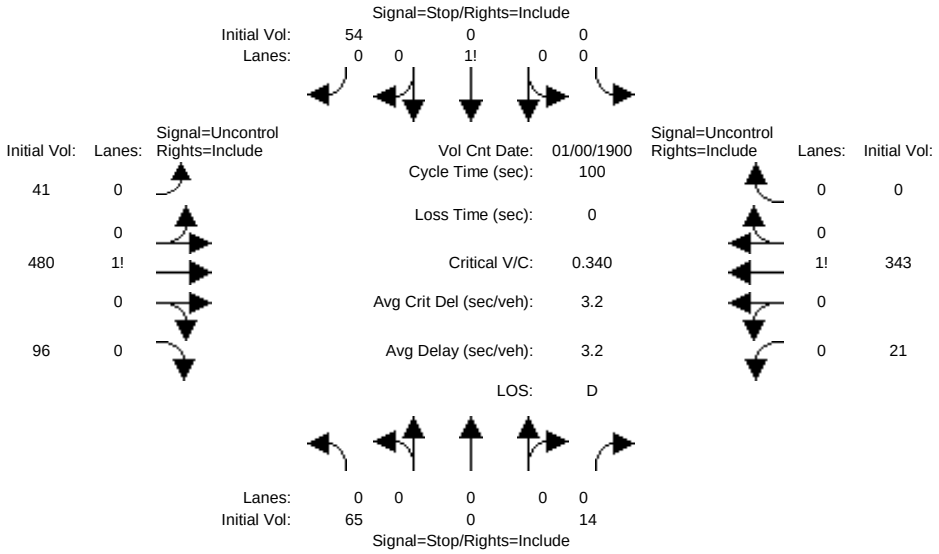



```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0     0     0     0     0     0     0   320     0     0   210     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     0     0     0     0   320     0     0   210     0
Added Vol:      0     0     0     0     0    54    41    27     0     0    20     0
PasserByVol:    0     0     0     0     0     0     0     0     0     0     0     0
Initial Fut:    0     0     0     0     0    54    41   347     0     0   230     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     0     0     0     0    54    41   347     0     0   230     0
Reduct Vol:     0     0     0     0     0     0     0     0     0     0     0     0
FinalVolume:    0     0     0     0     0    54    41   347     0     0   230     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:xxxxx xxxx xxxxx xxxxx xxxx   6.2   4.1 xxxx xxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx xxxx xxxxx xxxxx xxxx   3.3   2.2 xxxx xxxxx xxxxx xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: xxxx xxxx xxxxx  xxxx xxxx   230   230 xxxx xxxxx  xxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx  xxxx xxxx   814  1350 xxxx xxxxx  xxxx xxxx xxxxx
Move Cap.:   xxxx xxxx xxxxx  xxxx xxxx   814  1350 xxxx xxxxx  xxxx xxxx xxxxx
Volume/Cap:  xxxx xxxx  xxxx  xxxx xxxx  0.07  0.03 xxxx  xxxx  xxxx xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx   0.2   0.1 xxxx xxxxx  xxxx xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx   9.7   7.8 xxxx xxxxx xxxxx xxxx xxxxx
LOS by Move:    *    *     *     *    *     A     A    *     *     *    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.1 xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx   7.8 xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     A    *     *     *    *     *
ApproachDel:    xxxxxx              9.7           xxxxxx           xxxxxx
ApproachLOS:         *                A                *                *
Note: Queue reported is the number of cars per lane.
```

Morgan Hill South East Quadrent
SJ09_1139 Morgan Hill SEQ
Existing Conditions

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
2030 + Rec Uses + Project PM

Intersection #14: Tennant Ave / HS Driveway #3




```
Street Name:          HS Driveway #3                    Tennant Ave
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 0 Jan 1900 << 12:00:00 AM
Base Vol:       0    0     0     0    0     0     0  320     0     0  210     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     0    0     0     0  320     0     0  210     0
Added Vol:     65    0    14     0    0    54    41  160    96    21  133     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   65    0    14     0    0    54    41  480    96    21  343     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:    65    0    14     0    0    54    41  480    96    21  343     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   65    0    14     0    0    54    41  480    96    21  343     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  7.1  6.5   6.2 xxxxx xxxx   6.2   4.1 xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5  4.0   3.3 xxxxx xxxx   3.3   2.2 xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 1022  995   528  xxxx xxxx   343   343 xxxx xxxxx   576 xxxx xxxxx
Potent Cap.:  216  247   554  xxxx xxxx   704  1227 xxxx xxxxx  1007 xxxx xxxxx
Move Cap.:    191  233   554  xxxx xxxx   704  1227 xxxx xxxxx  1007 xxxx xxxxx
Volume/Cap:  0.34 0.00  0.03  xxxx xxxx  0.08  0.03 xxxx  xxxx  0.02 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:   xxxx xxxx xxxxx  xxxx xxxx   0.2   0.1 xxxx xxxxx   0.1 xxxx xxxxx
Control Del:xxxxx xxxx xxxxx xxxxx xxxx  10.5   8.0 xxxx xxxxx   8.6 xxxx xxxxx
LOS by Move:    *    *     *     *    *     B     A    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx  216 xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx  1.6 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.1 xxxx xxxxx
Shrd ConDel:xxxxx 30.9 xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.6 xxxx xxxxx
Shared LOS:     *    D     *     *    *     *     *    *     *     A    *     *
ApproachDel:      30.9             10.5           xxxxxx           xxxxxx
ApproachLOS:         D                B                *                *
Note: Queue reported is the number of cars per lane.
```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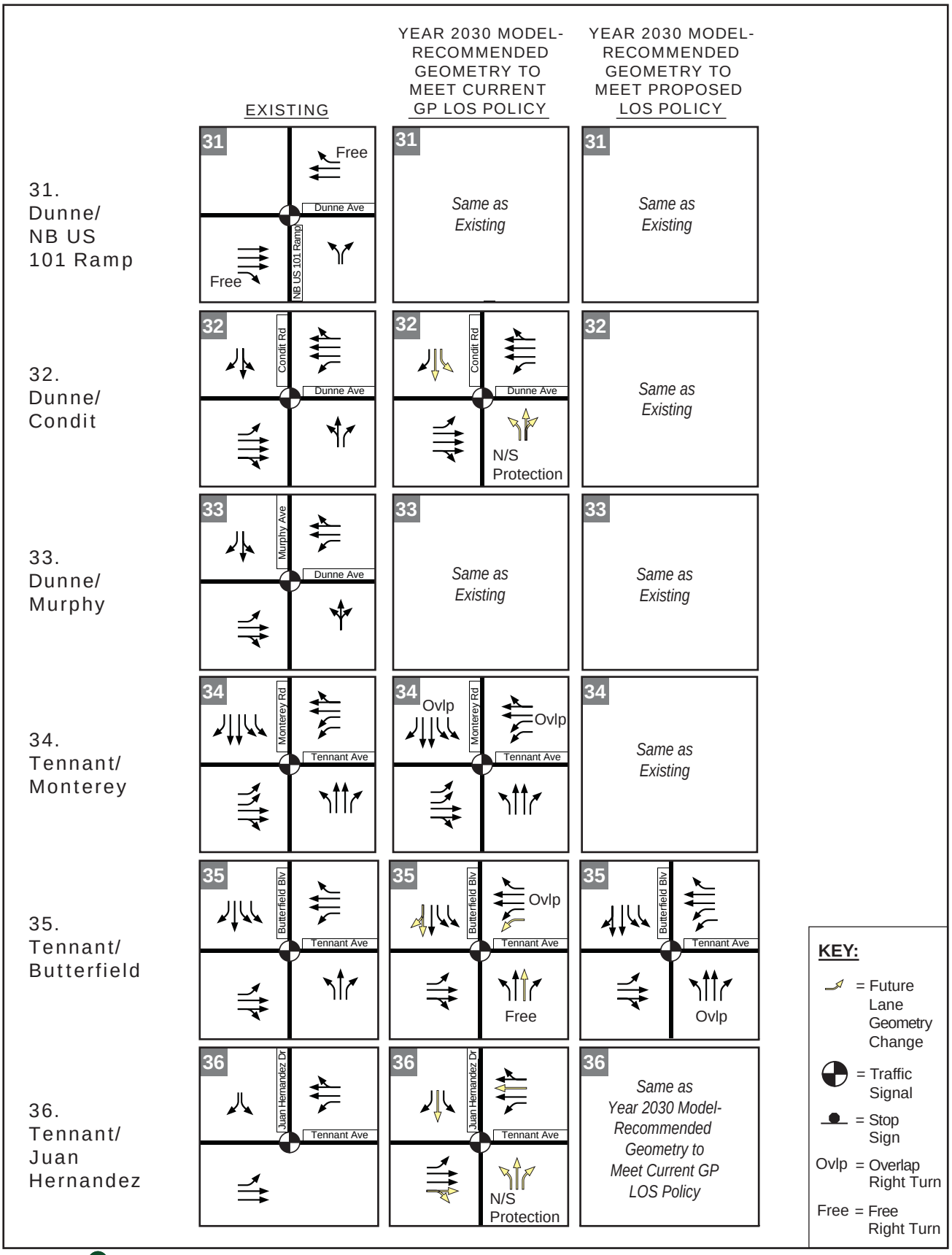
APPENDIX C: INTERSECTION GEOMETRY IMPROVEMENTS



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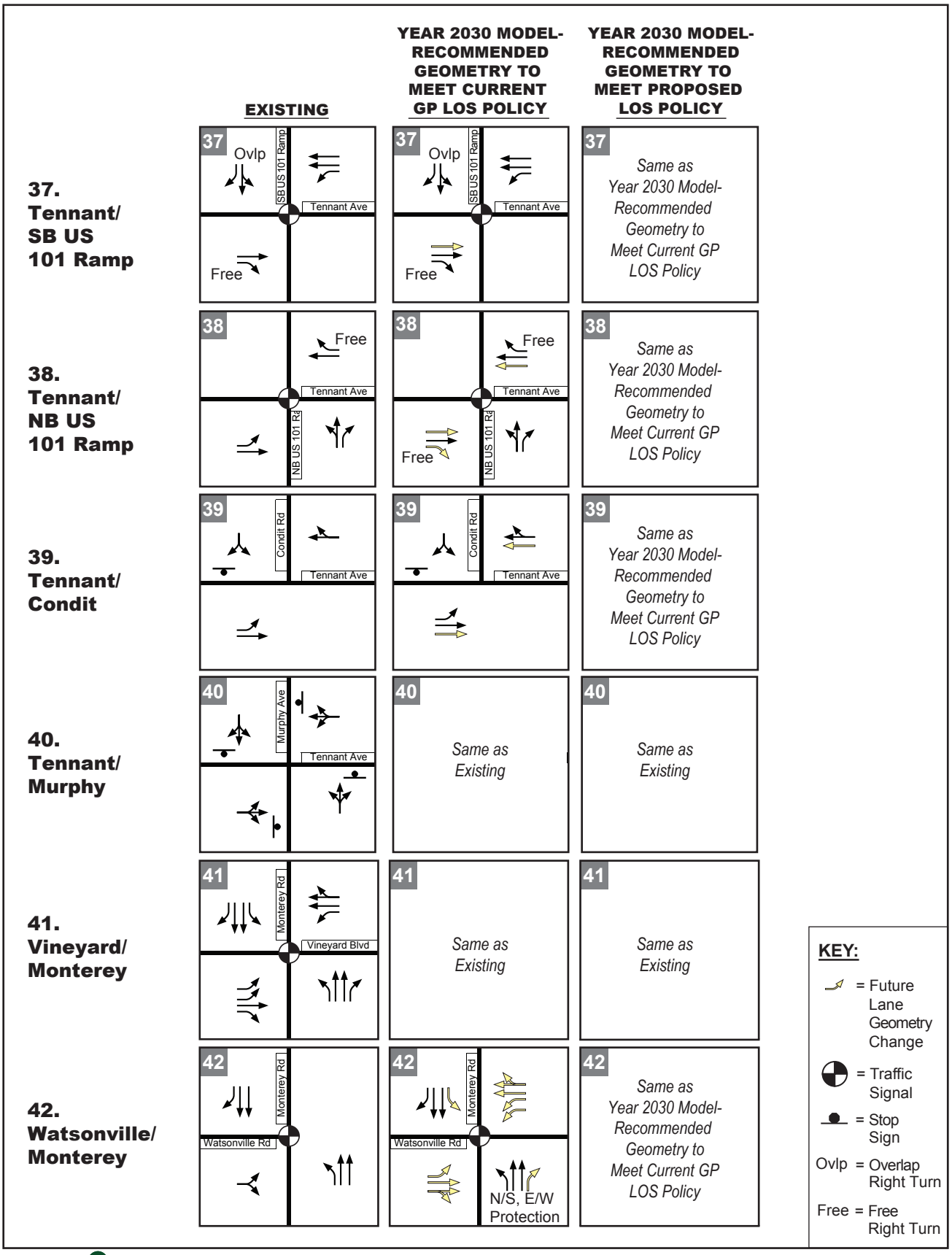
May 2009
SJ07-989

Morgan Hill General Plan Circulation Element Network and Policy Revision TIA

LOS POLICY COMPARISON OF EXISTING AND MODEL-RECOMMENDED LANE GEOMETRIES AND INTERSECTION CONTROLS

FIGURE 5F



Morgan Hill General Plan Circulation Element Network and Policy Revision TIA

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May 2009
SJ07-989

LOS POLICY COMPARISON OF EXISTING AND MODEL-RECOMMENDED LANE GEOMETRIES AND INTERSECTION CONTROLS

FIGURE 5G

APPENDIX D: DETAILED TRIP GENERATION ESTIMATES

Table D1:
Detailed Trip Generation Rate Estimates for Morgan Hill South East Quadrant Program Level EIR

Area	Land Use	ITE Land Use	Size	Units	Trip Generation Rates: Daily	AM Peak Hour Rate	AM Peak Hour In	AM Peak Hour Out	PM Peak Hour Rate	PM Peak Hour In	PM Peak Hour Out	Trip Generation Estimates: Daily	AM Peak Hour Inbound	AM Peak Hour Outbound	AM Peak Hour Total	PM Peak Hour Inbound	PM Peak Hour Outbound	PM Peak Hour Total
	Near-Term																	
	Private High School	536	1600	students	2.48	0.81	0.61	0.39	0.17	0.43	0.57	3,968	791	505	1,296	117	155	272
	Program-Level																	
	3-hole golf course	430	3	holes	35.74	2.06	0.79	0.21	2.92	0.51	0.49	107	5	1	6	5	4	9
	Agriculture	SANDAG	165	acres	2.00	0.30	0.75	0.25	0.20	0.25	0.75	330	37	12	49	9	24	33
	Baseball/Softball fields	-	16	fields	140.00	0.00	0.00	0.00	28.00	0.63	0.37	2,240	-	-	-	283	165	448
	Batting Cages	433	6	cages	20.00	0.00	0.00	0.00	2.22	0.55	0.45	120	-	-	-	7	6	13
	Cricket Field	-	1	field	114.00	0.00	0.00	0.00	52.00	0.80	0.20	114	-	-	-	42	10	52
	Drive Through Fast-Food	934	6	k.s.f.	496.12	49.35	0.51	0.49	33.84	0.52	0.48	2,977	151	145	296	106	97	203
	Equestrian	-	1	field	8.00	5.00	0.75	0.25	20.00	0.80	0.20	90	4	1	5	16	4	20
	Gas Station with Market (1x)	945	1	k.s.f.	1000.00	79.30	0.51	0.49	97.07	0.50	0.50	1,000	40	39	79	49	48	97
	Golf Driving Range	432	20	tees	13.65	0.40	0.61	0.39	1.25	0.45	0.55	273	5	3	8	11	14	25
	High Turn-Over Sit-Down Restaurant (1x)	932	9	k.s.f.	127.15	11.52	0.52	0.48	11.15	0.59	0.41	1,144	54	50	104	59	41	100
	Hotel	310	390	rooms	8.17	0.50	0.61	0.39	0.59	0.53	0.47	3,187	115	74	189	122	109	231
	Medical Office Bldg (average)	720	20	k.s.f.	36.13	2.30	0.79	0.21	3.46	0.27	0.73	723	36	10	46	19	50	69
	Multipurpose Recreational Facility[1]	435	100	k.s.f.	40.00	1.00	0.50	0.50	3.58	0.55	0.45	4,000	50	50	100	197	161	358
	Polo Field	-	1	field	58.00	3.00	0.75	0.25	16.00	0.80	0.20	58	2	1	3	13	3	16
	Single Family	210	43	d.u.	13.67	4.00	0.25	0.75	1.33	0.63	0.37	510	21	58	79	34	19	53
	Soccer Complex	488	20	fields	71.33	1.40	0.50	0.50	20.67	0.69	0.31	1,427	14	13	27	286	127	413
	Sporting Goods Store	861	140	k.s.f.	32.50	0.25	0.80	0.20	1.77	0.48	0.52	4,550	28	7	35	147	160	307
	Sports Stadium	-	1	stadium	71.33	1.40	0.50	0.50	20.67	0.69	0.31	71	1	-	1	14	7	21
	Tennis Courts	490	10	courts	31.04	1.31	0.50	0.50	3.88	0.50	0.50	310	7	6	13	20	19	39
											Near-Term Subtotal (High School):	**3,968**	**791**	**505**	**1,296**	**117**	**155**	**272**
											Program Level Subtotal:	**23,231**	**570**	**470**	**1,040**	**1,439**	**1,068**	**2,507**
											Gross Project + Program Total:	***27,199***	***1,361***	***975***	***2,336***	***1,556***	***1,223***	***2,779***
											Passer-By High-Turn Over Sit Down Restaurant (25%)	*-286*	*-14*	*-13*	*-26*	*-15*	*-10*	*-25*
											Passer-By Drive Through Fast Food (30%)	*-893*	*-45*	*-44*	*-89*	*-32*	*-29*	*-61*
											Passer-By Gas Station (40%)	*-400*	*-16*	*-16*	*-32*	*-20*	*-19*	*-39*
											Net New Project + Program:	***25,620***	***1,286***	***902***	***2,189***	***1,489***	***1,165***	***2,654***

Note:

1. Multipurpose Recreation Facility includes facilities that contain two or more of the following land uses combined at one site: miniature golf, batting cages, and video arcade. Refreshments may also be provided.
Trip generation estimates based on rates and equations presented in Trip Generation, 9th Edition (Institute of Transportation Engineers (ITE), 2012)