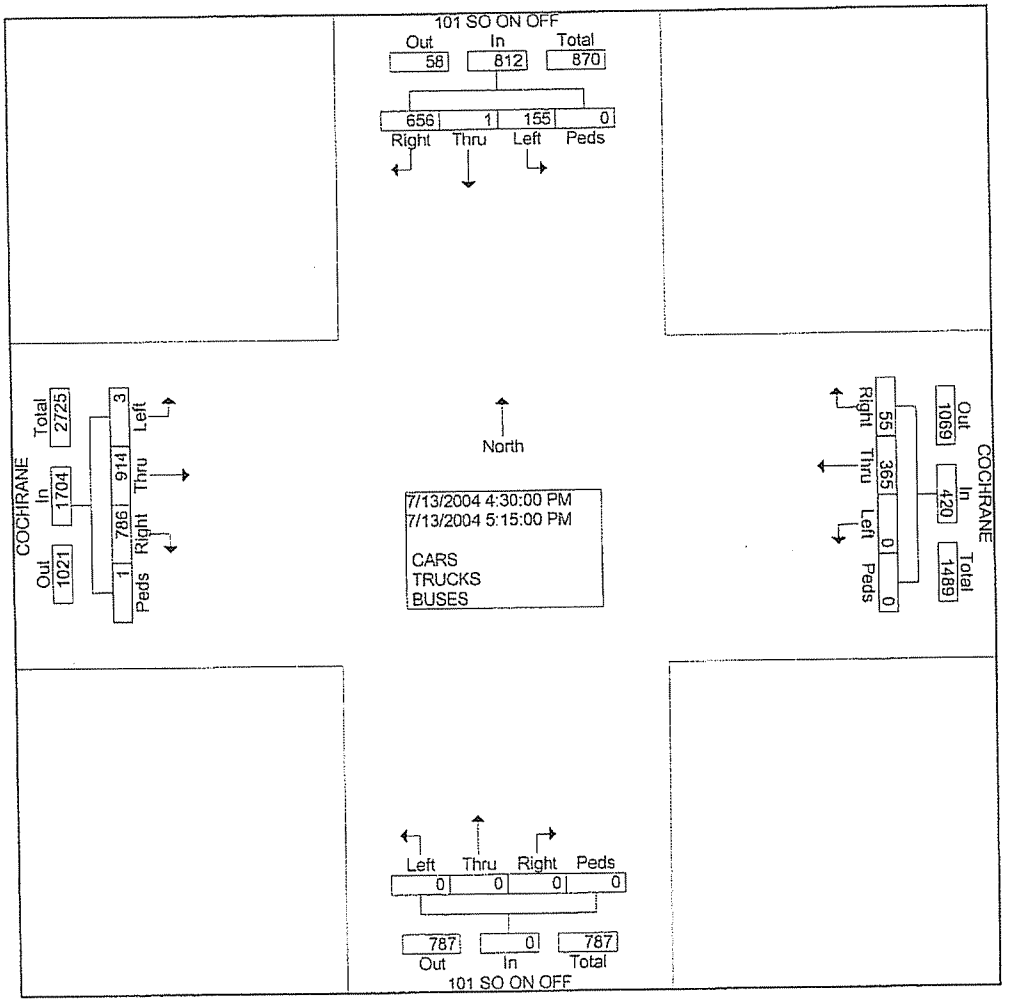
APPENDIX B

Level of Service Calculation Sheets

Higgins Associates
Civil and Traffic Engineers
1335 First St. Suite A
Gilroy, Ca. 95020

File Name : 4-GV-10
Site Code : 00000000
Start Date : 07/13/2004
Page No : 2

	101 SO ON OFF From North					COCHRANE From East					101 SO ON OFF From South					COCHRANE From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:30 PM																				
Volume	656	1	155	0	812	55	365	0	0	420	0	0	0	0	0	786	914	3	1	1704	2936
Percent	80.8	0.1	19.1	0.0		13.1	86.9	0.0	0.0		0.0	0.0	0.0	0.0		46.1	53.6	0.2	0.1		
05:00 Volume	155	0	42	0	197	19	79	0	0	98	0	0	0	0	0	201	266	2	0	469	764
Peak Factor																					0.961
High Int.	04:45 PM					05:15 PM					3:45:00 PM					05:00 PM					
Volume	188	0	44	0	232	15	102	0	0	117	0	0	0	0	0	201	266	2	0	469	
Peak Factor					0.875					0.897										0.908	



Cochrane Road PUD

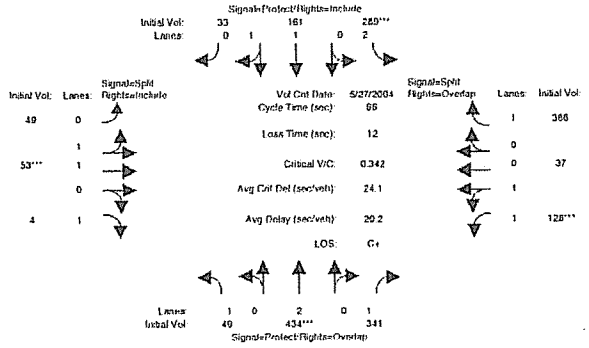
Summary Scenario Comparison Report (With Average Critical Delay)
Future Volume Alternative

Intersection		AM Existing				AM Background				AM Project						???			
		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	Monterey / Cochrane	C+	20.2	0.342	24.1	C+	20.5	0.367	24.4	C+	20.7	0.379	+ 0.012	24.5	+ 0.2	?	xx.x	x.xxx	xx.x
#2	Butterfield / Cochrane	B	12.8	0.366	16.5	B	13.2	0.394	17.4	B	13.4	0.424	+ 0.030	17.8	+ 0.5	?	xx.x	x.xxx	xx.x
#3	Sutter / Cochrane	C+	20.4	0.331	21.8	C+	20.6	0.357	22.2	C+	20.7	0.378	+ 0.021	22.5	+ 0.3	?	xx.x	x.xxx	xx.x
#4	Cochrane Plaza / Cochrane	B-	18.6	0.428	23.2	B-	18.7	0.429	18.5	B-	18.6	0.447	+ 0.018	18.6	+ 0.2	?	xx.x	x.xxx	xx.x
#5	Hwy 101 (S) / Cochrane	B	13.0	0.483	12.6	B	13.3	0.527	13.1	B	14.2	0.590	+ 0.063	14.0	+ 0.9	?	xx.x	x.xxx	xx.x
#6	Hwy 101 (N) / Cochrane	B+	10.6	0.344	9.7	B+	11.3	0.389	10.9	B	13.4	0.554	+ 0.165	13.6	+ 2.7	?	xx.x	x.xxx	xx.x
#7	DePaul / Cochrane	B	11.3	x.xxx	11.3	B	12.0	x.xxx	12.0	?	xx.x	x.xxx	x.xxx	xx.x	x.xxx	?	xx.x	x.xxx	xx.x
#8	Mission View / Cochrane	B	13.9	x.xxx	13.9	C	16.9	x.xxx	16.9	F	>50	x.xxx	x.xxx	>50	x.xxx	?	xx.x	x.xxx	xx.x
#9	Monterey / Main	C	27.4	0.583	30.6	C	27.8	0.608	31.1	C	27.8	0.611	+ 0.003	31.1	+ 0.0	?	xx.x	x.xxx	xx.x
#10	Butterfield / Main	D+	37.3	0.507	40.4	D+	38.2	0.536	41.4	D+	38.4	0.548	+ 0.012	41.9	+ 0.4	?	xx.x	x.xxx	xx.x
#11	Condit / Main	B	12.3	0.460	13.2	B	12.3	0.476	13.4	B	12.8	0.497	+ 0.022	13.8	+ 0.5	?	xx.x	x.xxx	xx.x
#12	Monterey / Dunne	D+	36.9	0.435	37.1	D+	37.9	0.464	37.8	D+	38.2	0.476	+ 0.012	38.4	+ 0.6	?	xx.x	x.xxx	xx.x
#13	Butterfield / Dunne	C-	33.4	0.659	39.6	D+	35.3	0.704	41.7	D+	35.4	0.711	+ 0.007	42.1	+ 0.4	?	xx.x	x.xxx	xx.x
#14	Hwy 101 (N) / Dunne	B	15.2	0.350	15.9	B	15.5	0.372	16.2	B	15.5	0.373	+ 0.001	16.2	- 0.0	?	xx.x	x.xxx	xx.x
#15	Hwy 101(N) / Tennant	C	25.1	0.785	30.4	C	25.5	0.793	30.9	C	26.7	0.818	+ 0.025	32.4	+ 1.6	?	xx.x	x.xxx	xx.x
#56	DePaul / Cochrane [New Signal]	?	xx.x	x.xxx	xx.x	?	xx.x	x.xxx	xx.x	B	16.2	0.304	x.xxx	19.4	x.xxx	?	xx.x	x.xxx	xx.x

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

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

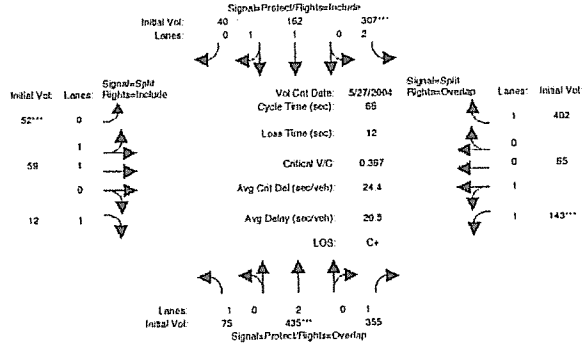
Intersection #1. Monterey / Cochrane



Street Name:	Monterey						Cochrane					
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	10	10	10	10	10	10
Volume Module: >> Count Date: 27 May 2004 << 7:15AM												
Base Vol:	49	434	341	289	161	33	49	53	4	128	37	386
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	434	341	289	161	33	49	53	4	128	37	386
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	49	434	341	289	161	33	49	53	4	128	37	386
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	49	434	341	289	161	33	49	53	4	128	37	386
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	434	341	289	161	33	49	53	4	128	37	386
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	49	434	341	289	161	33	49	53	4	128	37	386
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	0.98	0.95	0.95	1.00	0.92	0.93	0.95	0.92
Lanes:	1.00	2.00	1.00	2.00	1.65	0.35	0.99	1.01	1.00	1.56	0.44	1.00
Final Sat.:	1750	3800	1750	3150	3070	629	1776	1921	1750	2754	796	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.11	0.19	0.09	0.05	0.05	0.03	0.03	0.00	0.05	0.05	0.22
Crit Moves:		****		****				****		****		
Green Time:	11.6	15.7	31.4	12.6	16.6	16.6	10.0	10.0	10.0	15.7	15.7	28.3
Volume/Cap:	0.16	0.48	0.41	0.48	0.21	0.21	0.18	0.18	0.02	0.20	0.20	0.51
Delay/Veh:	24.1	23.5	12.8	26.5	20.0	20.0	25.1	25.1	23.9	20.6	20.6	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:	24.1	23.5	12.8	26.5	20.0	20.0	25.1	25.1	23.9	20.6	20.6	16.3
HCM2k95th:	2	9	9	7	4	4	2	3	0	3	3	12

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

Intersection #1: Monterey / Cochrane

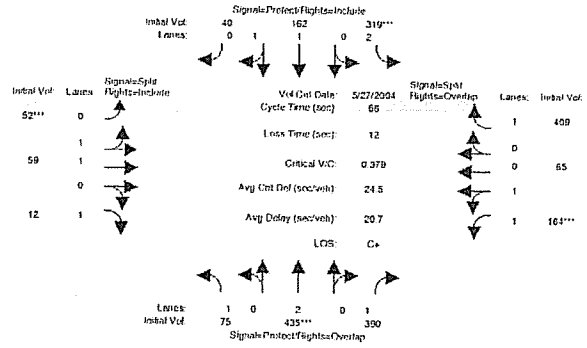


Street Name:	Monterey						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 27 May 2004 << 7:15AM												
Base Vol:	49	434	341	289	161	33	49	53	4	128	37	386
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	434	341	289	161	33	49	53	4	128	37	386
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	26	1	14	18	1	7	3	6	8	15	28	16
Initial Fut:	75	435	355	307	162	40	52	59	12	143	65	402
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	435	355	307	162	40	52	59	12	143	65	402
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	435	355	307	162	40	52	59	12	143	65	402
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	75	435	355	307	162	40	52	59	12	143	65	402
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	0.98	0.95	0.95	1.00	0.92	0.93	0.95	0.92
Lanes:	1.00	2.00	1.00	2.00	1.59	0.41	0.96	1.04	1.00	1.38	0.62	1.00
Final Sat.:	1750	3800	1750	3150	2967	733	1732	1965	1750	2440	1109	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.11	0.20	0.10	0.05	0.05	0.03	0.03	0.01	0.06	0.06	0.23
Crit Moves:		****		****			****			****		
Green Time:	11.4	15.0	31.2	12.8	16.3	16.3	10.0	10.0	10.0	16.2	16.2	29.0
Volume/Cap:	0.25	0.50	0.43	0.50	0.22	0.22	0.20	0.20	0.05	0.24	0.24	0.52
Delay/Veh:	25.5	24.3	13.1	26.7	20.3	20.3	25.3	25.3	24.2	20.6	20.6	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:	25.5	24.3	13.1	26.7	20.3	20.3	25.3	25.3	24.2	20.6	20.6	16.0
HCM2k95th:	4	9	10	7	4	4	3	3	1	4	4	12

Cochrane Road PUD

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

Intersection #1: Monterey / Cochrane

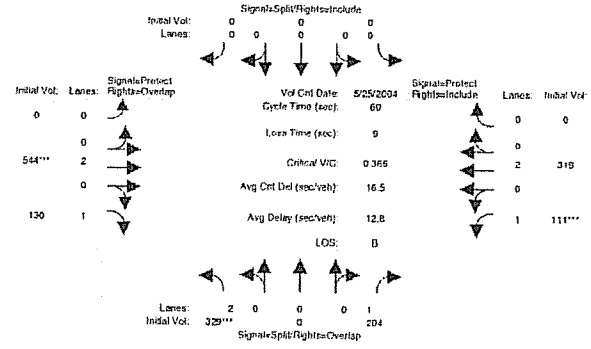


Street Name:	Monterey						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 27 May 2004 << 7:15AM												
Base Vol:	49	434	341	289	161	33	49	53	4	128	37	386
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	434	341	289	161	33	49	53	4	128	37	386
Added Vol:	0	0	35	12	0	0	0	0	0	21	0	7
ATI:	26	1	14	18	1	7	3	6	8	15	28	16
Initial Fut:	75	435	390	319	162	40	52	59	12	164	65	409
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	435	390	319	162	40	52	59	12	164	65	409
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	435	390	319	162	40	52	59	12	164	65	409
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	75	435	390	319	162	40	52	59	12	164	65	409
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	0.98	0.95	0.95	1.00	0.92	0.93	0.95	0.92
Lanes:	1.00	2.00	1.00	2.00	1.59	0.41	0.96	1.04	1.00	1.44	0.56	1.00
Final Sat.:	1750	3800	1750	3150	2967	733	1732	1965	1750	2542	1008	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.11	0.22	0.10	0.05	0.05	0.03	0.03	0.01	0.06	0.06	0.23
Crit Moves:		****		****			****			****		
Green Time:	11.4	14.7	31.0	13.0	16.3	16.3	10.0	10.0	10.0	16.4	16.4	29.3
Volume/Cap:	0.25	0.52	0.47	0.52	0.22	0.22	0.20	0.20	0.05	0.26	0.26	0.53
Delay/Veh:	25.6	24.8	13.9	26.7	20.4	20.4	25.3	25.3	24.2	20.7	20.7	15.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.6	24.8	13.9	26.7	20.4	20.4	25.3	25.3	24.2	20.7	20.7	15.8
HCM2k95th:	4	9	11	8	4	4	3	3	1	5	5	12

Cochrane Road PUD

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

Intersection #2: Butterfield / Cochrane

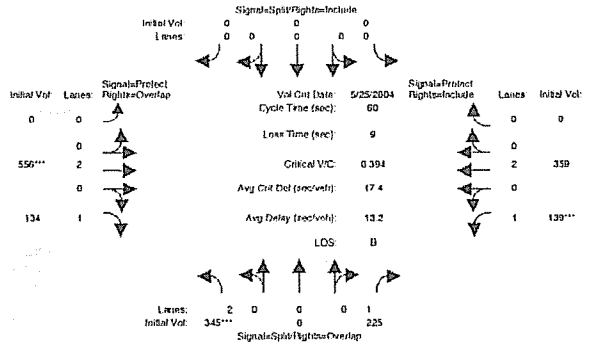


Street Name:	Butterfield						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Volume Module: >> Count Date: 25 May 2004 << 7:15AM												
Base Vol:	329	0	204	0	0	0	0	544	130	111	319	0
Growth 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:	329	0	204	0	0	0	0	544	130	111	319	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	329	0	204	0	0	0	0	544	130	111	319	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:	329	0	204	0	0	0	0	544	130	111	319	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	329	0	204	0	0	0	0	544	130	111	319	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	329	0	204	0	0	0	0	544	130	111	319	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.10	0.00	0.12	0.00	0.00	0.00	0.00	0.14	0.07	0.06	0.08	0.00
Crit Moves:	****							****		****		
Green Time:	17.1	0.0	27.5	0.0	0.0	0.0	0.0	23.5	40.6	10.4	33.9	0.0
Volume/Cap:	0.37	0.00	0.25	0.00	0.00	0.00	0.00	0.37	0.11	0.37	0.15	0.00
Delay/Veh:	18.3	0.0	10.7	0.0	0.0	0.0	0.0	13.7	3.6	25.3	6.4	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	18.3	0.0	10.7	0.0	0.0	0.0	0.0	13.7	3.6	25.3	6.4	0.0
HCM2k95th:	6	0	5	0	0	0	0	8	2	5	3	0

Cochrane Road PUD

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

Intersection #2: Butterfield / Cochrane

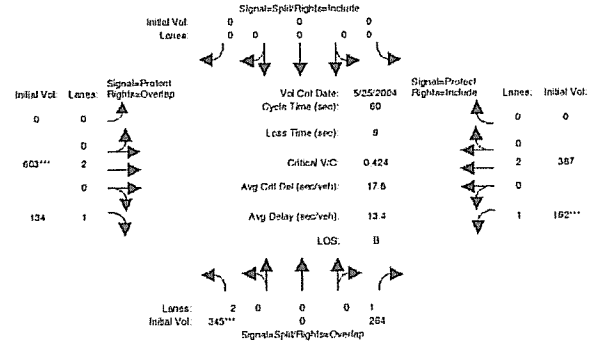


Street Name:	Butterfield						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Volume Module: >> Count Date: 25 May 2004 << 7:15AM												
Base Vol:	329	0	204	0	0	0	0	544	130	111	319	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:	329	0	204	0	0	0	0	544	130	111	319	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	16	0	21	0	0	0	0	12	4	28	40	0
Initial Fut:	345	0	225	0	0	0	0	556	134	139	359	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:	345	0	225	0	0	0	0	556	134	139	359	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	345	0	225	0	0	0	0	556	134	139	359	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	345	0	225	0	0	0	0	556	134	139	359	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.11	0.00	0.13	0.00	0.00	0.00	0.00	0.15	0.08	0.08	0.09	0.00
Crit Moves:	****							****		****		
Green Time:	16.7	0.0	28.7	0.0	0.0	0.0	0.0	22.3	38.9	12.1	34.3	0.0
Volume/Cap:	0.39	0.00	0.27	0.00	0.00	0.00	0.00	0.39	0.12	0.39	0.17	0.00
Delay/Veh:	18.9	0.0	10.1	0.0	0.0	0.0	0.0	14.7	4.2	24.1	6.2	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:	18.9	0.0	10.1	0.0	0.0	0.0	0.0	14.7	4.2	24.1	6.2	0.0
HCM2k95th:	6	0	6	0	0	0	0	8	2	6	4	0

Cochrane Road PUD

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

Intersection #2: Butterfield / Cochrane

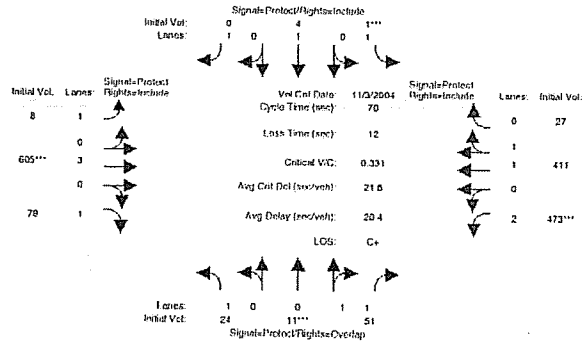


Street Name:	Butterfield						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Volume Module: >> Count Date: 25 May 2004 << 7:15AM												
Base Vol:	329	0	204	0	0	0	0	544	130	111	319	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:	329	0	204	0	0	0	0	544	130	111	319	0
Added Vol:	0	0	39	0	0	0	0	47	0	23	28	0
ATI:	16	0	21	0	0	0	0	12	4	28	40	0
Initial Fut:	345	0	264	0	0	0	0	603	134	162	387	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:	345	0	264	0	0	0	0	603	134	162	387	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	345	0	264	0	0	0	0	603	134	162	387	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	345	0	264	0	0	0	0	603	134	162	387	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.11	0.00	0.15	0.00	0.00	0.00	0.00	0.16	0.08	0.09	0.10	0.00
Crit Moves:	****							****		****		
Green Time:	15.5	0.0	28.6	0.0	0.0	0.0	0.0	22.4	37.9	13.1	35.5	0.0
Volume/Cap:	0.42	0.00	0.32	0.00	0.00	0.00	0.00	0.42	0.12	0.42	0.17	0.00
Delay/Veh:	20.2	0.0	10.7	0.0	0.0	0.0	0.0	14.9	4.6	23.6	5.7	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	20.2	0.0	10.7	0.0	0.0	0.0	0.0	14.9	4.6	23.6	5.7	0.0
HCM2k95th:	7	0	7	0	0	0	0	9	2	7	4	0

Cochrane Road PUD

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

Intersection #3: Sutter / Cochrane



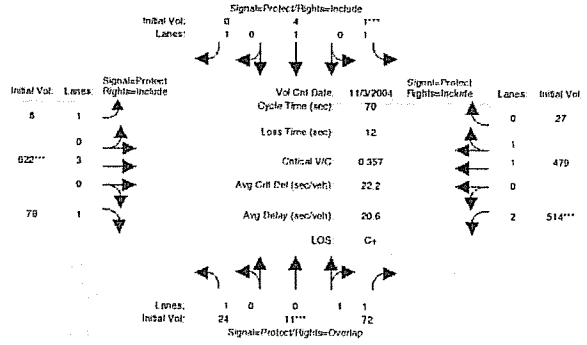
Street Name:	Sutter						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 3 Nov 2004 << 7:45AM												
Base Vol:	24	11	51	1	4	0	8	605	79	473	411	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	11	51	1	4	0	8	605	79	473	411	27
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	24	11	51	1	4	0	8	605	79	473	411	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	11	51	1	4	0	8	605	79	473	411	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	11	51	1	4	0	8	605	79	473	411	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	11	51	1	4	0	8	605	79	473	411	27
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.98	0.95
Lanes:	1.00	0.35	1.65	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.87	0.13
Final Sat.:	1750	639	2961	1750	1900	1750	1750	5700	1750	3150	3472	228
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.11	0.05	0.15	0.12	0.12
Crit Moves:		****		****				****		****		
Green Time:	7.0	10.0	34.0	7.0	10.0	0.0	16.9	17.0	17.0	24.0	24.1	24.1
Volume/Cap:	0.14	0.12	0.04	0.01	0.01	0.00	0.02	0.44	0.19	0.44	0.34	0.34
Delay/Veh:	30.4	26.6	9.4	28.4	25.9	0.0	20.3	23.5	22.0	19.1	17.8	17.8
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:	30.4	26.6	9.4	28.4	25.9	0.0	20.3	23.5	22.0	19.1	17.8	17.8
HCM2k95th:	1	2	1	0	0	0	0	8	3	9	8	8

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #3: Sutter / Cochrane



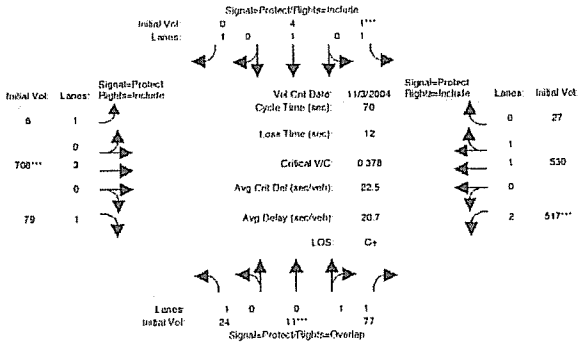
Street Name:	Sutter						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 3 Nov 2004 << 7:45AM												
Base Vol:	24	11	51	1	4	0	8	605	79	473	411	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	11	51	1	4	0	8	605	79	473	411	27
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	21	0	0	0	0	17	0	41	68	0
Initial Fut:	24	11	72	1	4	0	8	622	79	514	479	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	11	72	1	4	0	8	622	79	514	479	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	11	72	1	4	0	8	622	79	514	479	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	11	72	1	4	0	8	622	79	514	479	27
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.98	0.95
Lanes:	1.00	0.27	1.73	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.89	0.11
Final Sat.:	1750	477	3123	1750	1900	1750	1750	5700	1750	3150	3502	197
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.11	0.05	0.16	0.14	0.14
Crit Moves:		****		****				****		****		
Green Time:	7.0	10.0	34.6	7.0	10.0	0.0	16.9	16.4	16.4	24.6	24.1	24.1
Volume/Cap:	0.14	0.16	0.05	0.01	0.01	0.00	0.02	0.46	0.19	0.46	0.40	0.40
Delay/Veh:	30.4	27.0	9.2	28.4	25.9	0.0	20.3	24.2	22.5	19.0	18.3	18.3
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:	30.4	27.0	9.2	28.4	25.9	0.0	20.3	24.2	22.5	19.0	18.3	18.3
HCM2k95th:	1	2	1	0	0	0	0	9	3	9	9	9

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #3: Sutter / Cochrane

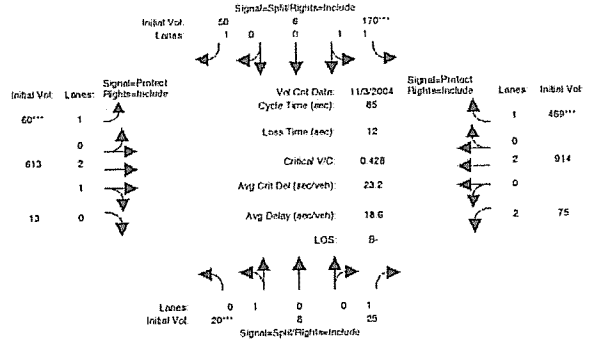


Street Name:	Sutter						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 3 Nov 2004 << 7:45AM												
Base Vol:	24	11	51	1	4	0	8	605	79	473	411	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	11	51	1	4	0	8	605	79	473	411	27
Added Vol:	0	0	5	0	0	0	0	86	0	3	51	0
ATI:	0	0	21	0	0	0	0	17	0	41	68	0
Initial Fut:	24	11	77	1	4	0	8	708	79	517	530	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	11	77	1	4	0	8	708	79	517	530	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	11	77	1	4	0	8	708	79	517	530	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	11	77	1	4	0	8	708	79	517	530	27
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.98	0.95
Lanes:	1.00	0.25	1.75	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.90	0.10
Final Sat.:	1750	450	3150	1750	1900	1750	1750	5700	1750	3150	3521	179
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.12	0.05	0.16	0.15	0.15
Crit Moves:		****		****				****		****		
Green Time:	7.0	10.0	33.3	7.0	10.0	0.0	16.4	17.7	17.7	23.3	24.6	24.6
Volume/Cap:	0.14	0.17	0.05	0.01	0.01	0.00	0.02	0.49	0.18	0.49	0.43	0.43
Delay/Veh:	30.4	27.1	9.9	28.4	25.9	0.0	20.7	23.5	21.4	20.3	18.3	18.3
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:	30.4	27.1	9.9	28.4	25.9	0.0	20.7	23.5	21.4	20.3	18.3	18.3
HCM2k95th:	1	2	1	0	0	0	0	10	3	10	10	9

Cochrane Road PUD

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

Intersection #4: Cochrane Plaza / Cochrane

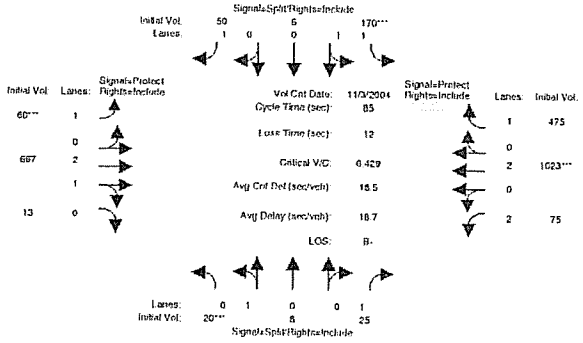


Street Name:	Cochrane Plaza						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 3 Nov 2004 << 7:45AM												
Base Vol:	20	8	25	170	6	50	60	613	13	75	914	469
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	8	25	170	6	50	60	613	13	75	914	469
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	20	8	25	170	6	50	60	613	13	75	914	469
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	8	25	170	6	50	60	613	13	75	914	469
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	8	25	170	6	50	60	613	13	75	914	469
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	20	8	25	170	6	50	60	613	13	75	914	469
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.71	0.29	1.00	1.93	0.07	1.00	1.00	2.94	0.06	2.00	2.00	1.00
Final Sat.:	1286	514	1750	3429	121	1750	1750	5484	116	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.01	0.05	0.05	0.03	0.03	0.11	0.11	0.02	0.24	0.27
Crit Moves:	****			****			****					****
Green Time:	10.0	10.0	10.0	10.0	10.0	10.0	7.0	31.2	31.2	21.8	46.0	46.0
Volume/Cap:	0.13	0.13	0.12	0.42	0.42	0.24	0.42	0.30	0.30	0.09	0.44	0.50
Delay/Veh:	34.9	34.9	34.8	37.9	37.9	36.8	45.7	19.6	19.6	24.3	12.5	14.1
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:	34.9	34.9	34.8	37.9	37.9	36.8	45.7	19.6	19.6	24.3	12.5	14.1
HCM2k95th:	2	2	2	6	6	3	5	8	8	2	13	14

Cochrane Road PUD

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

Intersection #4: Cochrane Plaza / Cochrane



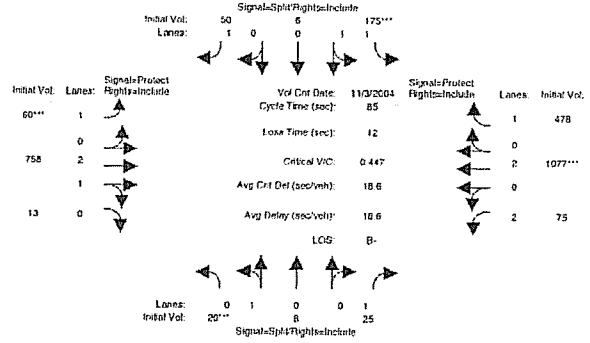
Street Name:	Cochrane Plaza						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 3 Nov 2004 << 7:45AM												
Base Vol:	20	8	25	170	6	50	60	613	13	75	914	469
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	8	25	170	6	50	60	613	13	75	914	469
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	54	0	0	109	6
Initial Fut:	20	8	25	170	6	50	60	667	13	75	1023	475
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	8	25	170	6	50	60	667	13	75	1023	475
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	8	25	170	6	50	60	667	13	75	1023	475
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	20	8	25	170	6	50	60	667	13	75	1023	475
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.71	0.29	1.00	1.93	0.07	1.00	1.00	2.94	0.06	2.00	2.00	1.00
Final Sat.:	1286	514	1750	3429	121	1750	1750	5493	107	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.01	0.05	0.05	0.03	0.03	0.12	0.12	0.02	0.27	0.27
Crit Moves:	****			****			****				****	
Green Time:	10.0	10.0	10.0	10.0	10.0	10.0	7.0	31.6	31.6	21.4	46.0	46.0
Volume/Cap:	0.13	0.13	0.12	0.42	0.42	0.24	0.42	0.33	0.33	0.09	0.50	0.50
Delay/Veh:	34.9	34.9	34.8	37.9	37.9	36.8	45.7	19.5	19.5	24.6	13.1	14.2
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:	34.9	34.9	34.8	37.9	37.9	36.8	45.7	19.5	19.5	24.6	13.1	14.2
HCM2k95th:	2	2	2	6	6	3	5	9	8	2	15	14

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #4: Cochrane Plaza / Cochrane



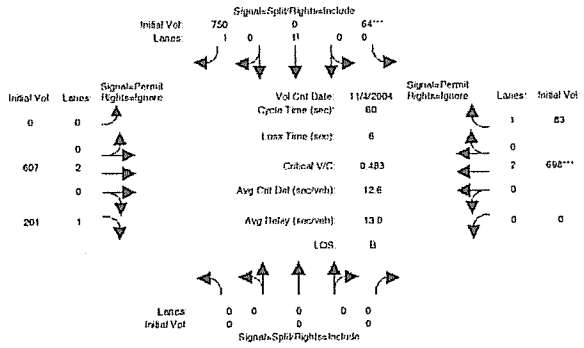
Street Name:	Cochrane Plaza						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 3 Nov 2004 << 7:45AM												
Base Vol:	20	8	25	170	6	50	60	613	13	75	914	469
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	8	25	170	6	50	60	613	13	75	914	469
Added Vol:	0	0	0	5	0	0	0	91	0	0	54	3
ATI:	0	0	0	0	0	0	0	54	0	0	109	6
Initial Fut:	20	8	25	175	6	50	60	758	13	75	1077	478
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	8	25	175	6	50	60	758	13	75	1077	478
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	8	25	175	6	50	60	758	13	75	1077	478
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	20	8	25	175	6	50	60	758	13	75	1077	478
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.71	0.29	1.00	1.93	0.07	1.00	1.00	2.95	0.05	2.00	2.00	1.00
Final Sat.:	1286	514	1750	3432	118	1750	1750	5505	94	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.01	0.05	0.05	0.03	0.03	0.14	0.14	0.02	0.28	0.27
Crit Moves:	****			****			****				****	
Green Time:	10.0	10.0	10.0	10.0	10.0	10.0	7.0	33.2	33.2	19.8	46.0	46.0
Volume/Cap:	0.13	0.13	0.12	0.43	0.43	0.24	0.42	0.35	0.35	0.10	0.52	0.50
Delay/Veh:	34.9	34.9	34.8	38.1	38.1	36.8	45.7	18.8	18.8	25.9	13.4	14.2
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:	34.9	34.9	34.8	38.1	38.1	36.8	45.7	18.8	18.8	25.9	13.4	14.2
HCM2k95th:	2	2	2	6	6	3	5	10	9	2	16	15

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #5: Hwy 101 (S) / Cochrane

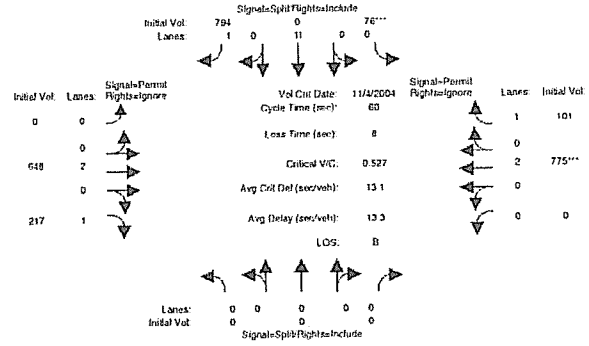


Street Name:	Hwy 101 (S)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	10	10	10	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM												
Base Vol:	0	0	0	64	0	750	0	607	201	0	698	83
Growth Adj:	1.00	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	64	0	750	0	607	201	0	698	83
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	64	0	750	0	607	201	0	698	83
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:	0	0	0	64	0	750	0	607	0	0	698	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	64	0	750	0	607	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
Final Vol.:	0	0	0	64	0	750	0	607	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:	0.00	0.00	0.00	0.15	0.00	1.85	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	255	0	3245	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.25	0.00	0.23	0.00	0.16	0.00	0.00	0.18	0.00
Crit Moves:				****							****	
Green Time:	0.0	0.0	0.0	31.2	0.0	31.2	0.0	22.8	0.0	0.0	22.8	0.0
Volume/Cap:	0.00	0.00	0.00	0.48	0.00	0.44	0.00	0.42	0.00	0.00	0.48	0.00
Delay/Veh:	0.0	0.0	0.0	10.2	0.0	9.8	0.0	14.6	0.0	0.0	15.3	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	10.2	0.0	9.8	0.0	14.6	0.0	0.0	15.3	0.0
HCM2k95th:	0	0	0	11	0	10	0	9	0	0	10	0

Cochrane Road PUD

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

Intersection #5: Hwy 101 (S) / Cochrane

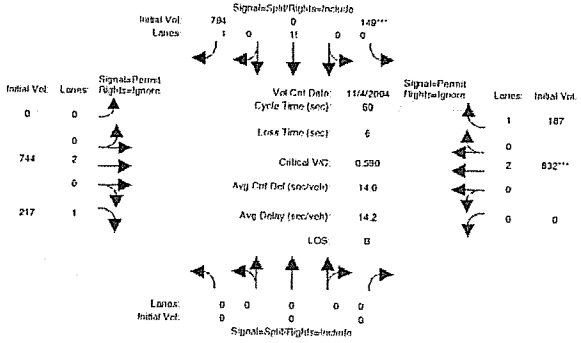


Street Name:	Hwy 101 (S)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	10	10	10	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM												
Base Vol:	0	0	0	64	0	750	0	607	201	0	698	83
Growth Adj:	1.00	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	64	0	750	0	607	201	0	698	83
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	12	0	44	0	41	16	0	77	18
Initial Fut:	0	0	0	76	0	794	0	648	217	0	775	101
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:	0	0	0	76	0	794	0	648	0	0	775	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	76	0	794	0	648	0	0	775	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
Final Vol.:	0	0	0	76	0	794	0	648	0	0	775	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:	0.00	0.00	0.00	0.16	0.00	1.84	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	281	0	3219	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.27	0.00	0.25	0.00	0.17	0.00	0.00	0.20	0.00
Crit Moves:				****							****	
Green Time:	0.0	0.0	0.0	30.8	0.0	30.8	0.0	23.2	0.0	0.0	23.2	0.0
Volume/Cap:	0.00	0.00	0.00	0.53	0.00	0.48	0.00	0.44	0.00	0.00	0.53	0.00
Delay/Veh:	0.0	0.0	0.0	11.0	0.0	10.4	0.0	14.5	0.0	0.0	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	11.0	0.0	10.4	0.0	14.5	0.0	0.0	15.5	0.0
HCM2k95th:	0	0	0	12	0	11	0	9	0	0	11	0

Cochrane Road PUD

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

Intersection #5: Hwy 101 (S) / Cochrane

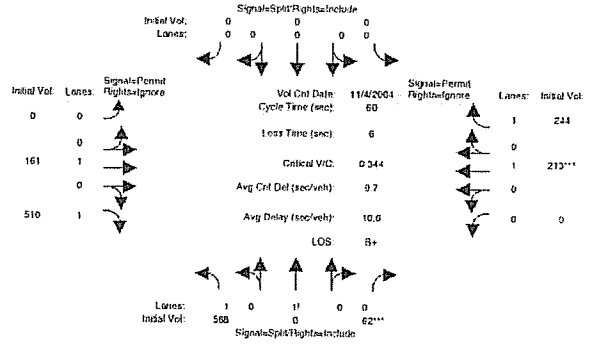


Street Name:	Hwy 101 (S)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	0	0	0	10	10	10	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM												
Base Vol:	0	0	0	64	0	750	0	607	201	0	698	83
Growth Adj:	1.00	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	64	0	750	0	607	201	0	698	83
Added Vol:	0	0	0	50	0	0	0	96	0	0	57	63
ATI/DL:	0	0	0	35	0	44	0	41	16	0	77	41
Initial Fut:	0	0	0	149	0	794	0	744	217	0	832	187
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:	0	0	0	149	0	794	0	744	0	0	832	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	149	0	794	0	744	0	0	832	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
Final Vol.:	0	0	0	149	0	794	0	744	0	0	832	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:	0.00	0.00	0.00	0.27	0.00	1.73	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	478	0	3022	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.31	0.00	0.26	0.00	0.20	0.00	0.00	0.22	0.00
Crit Moves:				****							****	
Green Time:	0.0	0.0	0.0	31.7	0.0	31.7	0.0	22.3	0.0	0.0	22.3	0.0
Volume/Cap:	0.00	0.00	0.00	0.59	0.00	0.50	0.00	0.53	0.00	0.00	0.59	0.00
Delay/Veh:	0.0	0.0	0.0	11.3	0.0	10.0	0.0	16.2	0.0	0.0	17.0	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	11.3	0.0	10.0	0.0	16.2	0.0	0.0	17.0	0.0
HCM2k95th:	0	0	0	14	0	11	0	11	0	0	13	0

Cochrane Road PUD

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

Intersection #6: Hwy 101 (N) / Cochrane

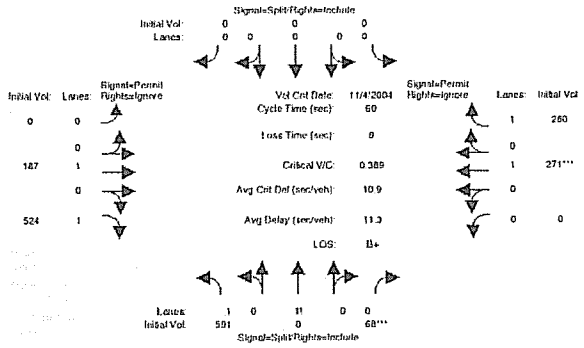


Street Name:	Hwy 101 (N)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	10	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:00AM												
Base Vol:	568	0	62	0	0	0	0	161	510	0	213	244
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	568	0	62	0	0	0	0	161	510	0	213	244
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	568	0	62	0	0	0	0	161	510	0	213	244
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:	568	0	62	0	0	0	0	161	0	0	213	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	568	0	62	0	0	0	0	161	0	0	213	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
Final Vol.:	568	0	62	0	0	0	0	161	0	0	213	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:	1.82	0.00	0.18	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	3186	0	314	0	0	0	0	1900	1750	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.18	0.00	0.20	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.11	0.00
Crit Moves:			****								****	
Green Time:	34.5	0.0	34.5	0.0	0.0	0.0	0.0	19.5	0.0	0.0	19.5	0.0
Volume/Cap:	0.31	0.00	0.34	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.34	0.00
Delay/Veh:	7.0	0.0	7.3	0.0	0.0	0.0	0.0	15.9	0.0	0.0	16.9	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:	7.0	0.0	7.3	0.0	0.0	0.0	0.0	15.9	0.0	0.0	16.9	0.0
HCM2k95th:	7	0	7	0	0	0	0	5	0	0	7	0

Cochrane Road PUD

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

Intersection #6: Hwy 101 (N) / Cochrane

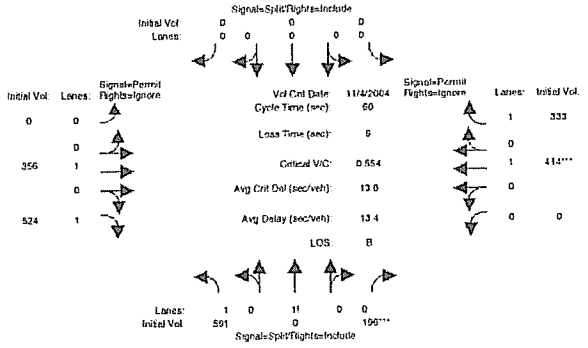


Street Name:	Hwy 101 (N)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:00AM												
Base Vol:	568	0	62	0	0	0	0	161	510	0	213	244
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	568	0	62	0	0	0	0	161	510	0	213	244
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	23	0	6	0	0	0	0	26	14	0	58	36
Initial Fut:	591	0	68	0	0	0	0	187	524	0	271	280
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:	591	0	68	0	0	0	0	187	0	0	271	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	591	0	68	0	0	0	0	187	0	0	271	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
Final Vol.:	591	0	68	0	0	0	0	187	0	0	271	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:	1.81	0.00	0.19	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	3173	0	327	0	0	0	0	1900	1750	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.19	0.00	0.21	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.14	0.00
Crit Moves:			****								****	
Green Time:	32.0	0.0	32.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	22.0	0.0
Volume/Cap:	0.35	0.00	0.39	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.39	0.00
Delay/Veh:	8.5	0.0	8.9	0.0	0.0	0.0	0.0	14.3	0.0	0.0	15.7	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.5	0.0	8.9	0.0	0.0	0.0	0.0	14.3	0.0	0.0	15.7	0.0
HCM2k95th:	8	0	9	0	0	0	0	6	0	0	8	0

Cochrane Road PUD

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

Intersection #6: Hwy 101 (N) / Cochrane

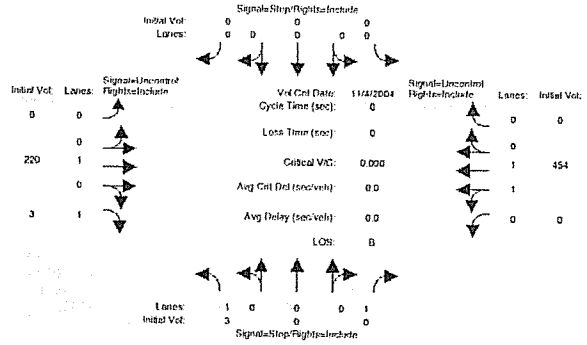


Street Name:	Hwy 101 (N)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:00AM												
Base Vol:	568	0	62	0	0	0	0	161	510	0	213	244
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	568	0	62	0	0	0	0	161	510	0	213	244
Added Vol:	0	0	105	0	0	0	0	146	0	0	120	30
ATI/DL:	23	0	29	0	0	0	0	49	14	0	81	59
Initial Fut:	591	0	196	0	0	0	0	356	524	0	414	333
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:	591	0	196	0	0	0	0	356	0	0	414	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	591	0	196	0	0	0	0	356	0	0	414	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
Final Vol.:	591	0	196	0	0	0	0	356	0	0	414	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:	1.60	0.00	0.40	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	2802	0	698	0	0	0	0	1900	1750	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.21	0.00	0.28	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.22	0.00
Crit Moves:			****								****	
Green Time:	30.4	0.0	30.4	0.0	0.0	0.0	0.0	23.6	0.0	0.0	23.6	0.0
Volume/Cap:	0.42	0.00	0.55	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.55	0.00
Delay/Veh:	9.9	0.0	11.7	0.0	0.0	0.0	0.0	15.8	0.0	0.0	17.1	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.9	0.0	11.7	0.0	0.0	0.0	0.0	15.8	0.0	0.0	17.1	0.0
HCM2k95th:	9	0	13	0	0	0	0	10	0	0	12	0

Cochrane Road PUD

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

Intersection #7: DePaul / Cochrane

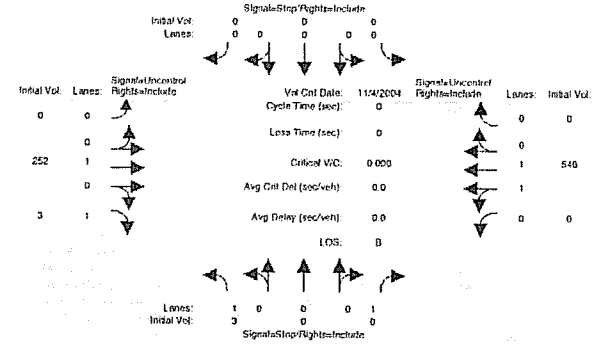



```
Street Name:              DePaul                                  Cochrane
Approach:       North Bound      South Bound      East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM
Base Vol:       3     0     0     0     0     0     0   220     3     0   454     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:    3     0     0     0     0     0     0   220     3     0   454     0
Added Vol:      0     0     0     0     0     0     0     0     0     0     0     0
ATI:            0     0     0     0     0     0     0     0     0     0     0     0
Initial Fut:    3     0     0     0     0     0     0   220     3     0   454     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:     3     0     0     0     0     0     0   220     3     0   454     0
Reduct Vol:     0     0     0     0     0     0     0     0     0     0     0     0
Final Vol.:     3     0     0     0     0     0     0   220     3     0   454     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:  447  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx
Potent Cap.:  573  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx
Move Cap.:    573  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:
Queue:        0.0  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx
Stopped Del: 11.3  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  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  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx
SharedQueue:xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx    0.0  xxxx  xxxxx
Shrd StpDel:xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx    9.0  xxxx  xxxxx
Shared LOS:     *     *     *     *     *     *     *     *     *     A     *     *
ApproachDel:         11.3          xxxxxx          xxxxxx          xxxxxx
ApproachLOS:           B               *               *               *
```


Cochrane Road PUD

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

Intersection #7: DePaul / Cochrane

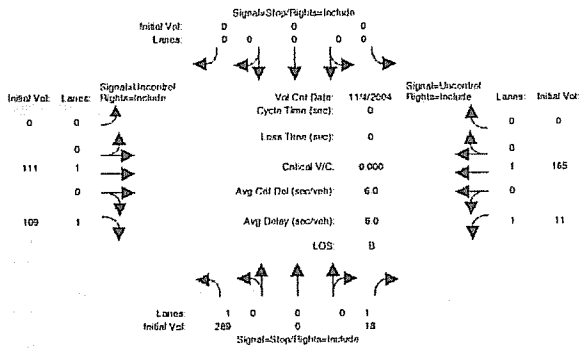



```
Street Name:              DePaul                                  Cochrane
Approach:       North Bound      South Bound      East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM
Base Vol:       3     0     0     0     0     0     0   220     3     0   454     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:    3     0     0     0     0     0     0   220     3     0   454     0
Added Vol:      0     0     0     0     0     0     0     0     0     0     0     0
ATI:            0     0     0     0     0     0     0    32     0     0    94     0
Initial Fut:    3     0     0     0     0     0     0   252     3     0   548     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:     3     0     0     0     0     0     0   252     3     0   548     0
Reduct Vol:     0     0     0     0     0     0     0     0     0     0     0     0
Final Vol.:     3     0     0     0     0     0     0   252     3     0   548     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:  526  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx
Potent Cap.:  516  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx
Move Cap.:    516  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:
Queue:        0.0  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx
Stopped Del: 12.0  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  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  xxxx  xxxxx  xxxx  xxxx  xxxxx  xxxx  xxxx  xxxxx
SharedQueue:xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx    0.0  xxxx  xxxxx
Shrd StpDel:xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx  xxxxx  xxxx  xxxxx    9.0  xxxx  xxxxx
Shared LOS:     *     *     *     *     *     *     *     *     *     A     *     *
ApproachDel:         12.0          xxxxxx          xxxxxx          xxxxxx
ApproachLOS:           B               *               *               *
```

Cochrane Road PUD

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

Intersection #8: Mission View / Cochrane

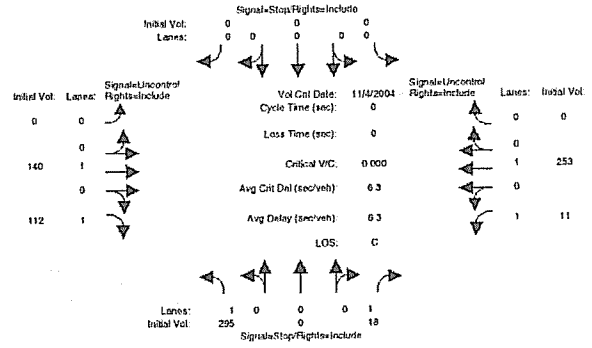



```
Street Name:          Mission View                          Cochrane
Approach:       North Bound      South Bound      East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM
Base Vol:     289    0   18    0    0    0    0  111  109   11  165    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:  289    0   18    0    0    0    0  111  109   11  165    0
Added Vol:      0    0    0    0    0    0    0    0    0    0    0    0
ATI:            0    0    0    0    0    0    0    0    0    0    0    0
Initial Fut:  289    0   18    0    0    0    0  111  109   11  165    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:   289    0   18    0    0    0    0  111  109   11  165    0
Reduct Vol:     0    0    0    0    0    0    0    0    0    0    0    0
Final Vol.:   289    0   18    0    0    0    0  111  109   11  165    0
Critical Gap Module:
Critical Gp:  6.4 xxxx  6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx  3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  298 xxxx  111  xxxx xxxx xxxxx  xxxx xxxx xxxxx  220 xxxx xxxxx
Potent Cap.:  698 xxxx  948  xxxx xxxx xxxxx  xxxx xxxx xxxxx 1361 xxxx xxxxx
Move Cap.:    693 xxxx  948  xxxx xxxx xxxxx  xxxx xxxx xxxxx 1361 xxxx xxxxx
Volume/Cap:  0.42 xxxx 0.02  xxxx xxxx  xxxx  xxxx xxxx  xxxx 0.01 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
Queue:        2.1 xxxx  0.1 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  0.0 xxxx xxxxx
Stopped Del: 13.9 xxxx  8.9 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  7.7 xxxx xxxxx
LOS by Move:   B    *    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 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd StpDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:    *    *    *    *    *    *    *    *    *    *    *    *
ApproachDel:       13.6           xxxxxx         xxxxxx         xxxxxx
ApproachLOS:        B               *              *              *
```


Cochrane Road PUD

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

Intersection #8: Mission View / Cochrane

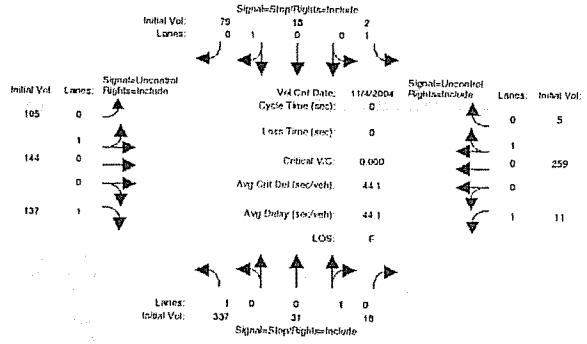



```
Street Name:          Mission View                          Cochrane
Approach:       North Bound      South Bound      East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM
Base Vol:     289    0   18    0    0    0    0  111  109   11  165    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:  289    0   18    0    0    0    0  111  109   11  165    0
Added Vol:      0    0    0    0    0    0    0    0    0    0    0    0
ATI:            6    0    0    0    0    0    0   29    3    0   88    0
Initial Fut:  295    0   18    0    0    0    0  140  112   11  253    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:   295    0   18    0    0    0    0  140  112   11  253    0
Reduct Vol:     0    0    0    0    0    0    0    0    0    0    0    0
Final Vol.:   295    0   18    0    0    0    0  140  112   11  253    0
Critical Gap Module:
Critical Gp:  6.4 xxxx  6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx  3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  415 xxxx  140  xxxx xxxx xxxxx  xxxx xxxx xxxxx  252 xxxx xxxxx
Potent Cap.:  598 xxxx  913  xxxx xxxx xxxxx  xxxx xxxx xxxxx 1325 xxxx xxxxx
Move Cap.:    594 xxxx  913  xxxx xxxx xxxxx  xxxx xxxx xxxxx 1325 xxxx xxxxx
Volume/Cap:  0.50 xxxx 0.02  xxxx xxxx  xxxx  xxxx xxxx  xxxx 0.01 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
Queue:        2.8 xxxx  0.1 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  0.0 xxxx xxxxx
Stopped Del: 16.9 xxxx  9.0 xxxxx xxxx xxxxx xxxxx xxxx xxxxx  7.7 xxxx xxxxx
LOS by Move:   C    *    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 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd StpDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:    *    *    *    *    *    *    *    *    *    *    *    *
ApproachDel:       16.4           xxxxxx         xxxxxx         xxxxxx
ApproachLOS:        C               *              *              *
```

Cochrane Road PUD

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

Intersection #8: Mission View / Cochrane

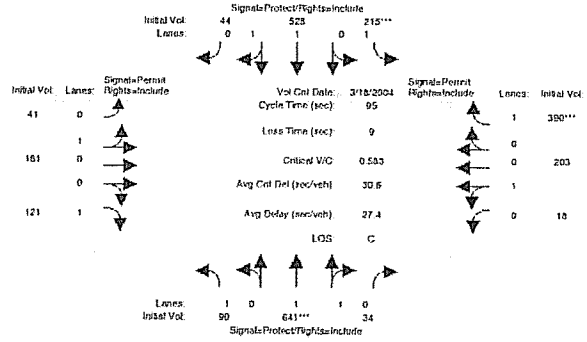


Street Name:	Mission View						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Volume Module: >> Count Date: 4 Nov 2004 << 7:30AM												
Base Vol:	289	0	18	0	0	0	0	111	109	11	165	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	289	0	18	0	0	0	0	111	109	11	165	0
Added Vol:	42	31	0	2	18	61	89	4	25	0	6	5
ATI/DL:	6	0	0	0	0	18	16	29	3	0	88	0
Initial Fut:	337	31	18	2	18	79	105	144	137	11	259	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:	337	31	18	2	18	79	105	144	137	11	259	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	337	31	18	2	18	79	105	144	137	11	259	5
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	686	640	144	731	775	262	264	xxxx	xxxxx	281	xxxx	xxxxx
Potent Cap.:	364	396	909	340	331	782	1312	xxxx	xxxxx	1293	xxxx	xxxxx
Move Cap.:	291	359	909	290	301	782	1312	xxxx	xxxxx	1293	xxxx	xxxxx
Volume/Cap:	1.16	0.09	0.02	0.01	0.06	0.10	0.08	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	14.5	xxxx	xxxxx	0.0	xxxx	xxxxx	0.3	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	141.5	xxxx	xxxxx	17.5	xxxx	xxxxx	8.0	xxxx	xxxxx	7.8	xxxx	xxxxx
LOS by Move:	F	*	*	C	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	462	xxxx	xxxx	603	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	0.4	xxxxx	xxxx	0.6	0.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	13.7	xxxxx	xxxx	12.1	8.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	B	*	*	B	A	*	*	*	*	*
ApproachDel:	125.3			12.2			xxxxxx			xxxxxx		
ApproachLOS:	F			B			*			*		

Cochrane Road PUD

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

Intersection #9: Monterey / Main

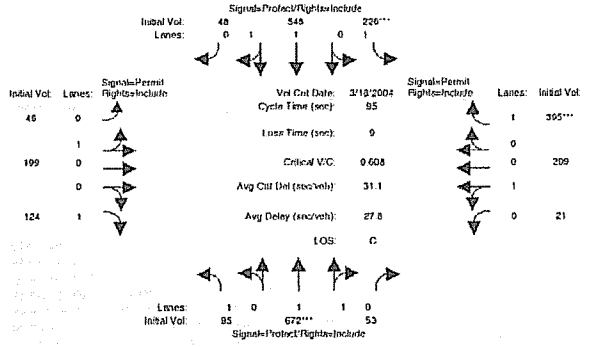


Street Name:	Monterey						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:45AM												
Base Vol:	90	641	34	215	528	44	41	181	121	18	203	390
Growth Adj:	1.00	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	641	34	215	528	44	41	181	121	18	203	390
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	90	641	34	215	528	44	41	181	121	18	203	390
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	641	34	215	528	44	41	181	121	18	203	390
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	641	34	215	528	44	41	181	121	18	203	390
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	90	641	34	215	528	44	41	181	121	18	203	390
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.95	0.95	0.92	0.95	0.95	0.92
Lanes:	1.00	1.90	0.10	1.00	1.84	0.16	0.18	0.82	1.00	0.08	0.92	1.00
Final Sat.:	1750	3513	186	1750	3415	285	332	1468	1750	147	1653	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.18	0.18	0.12	0.15	0.15	0.12	0.12	0.07	0.12	0.12	0.22
Crit Moves:		****		****								****
Green Time:	16.0	29.7	29.7	20.0	33.7	33.7	36.3	36.3	36.3	36.3	36.3	36.3
Volume/Cap:	0.30	0.58	0.58	0.58	0.44	0.44	0.32	0.32	0.18	0.32	0.32	0.58
Delay/Veh:	37.2	29.6	29.6	40.4	24.5	24.5	21.9	21.9	20.1	21.9	21.9	27.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.2	29.6	29.6	40.4	24.5	24.5	21.9	21.9	20.1	21.9	21.9	27.0
HCM2k95th:	6	16	15	12	12	12	9	9	5	9	9	17

Cochrane Road PUD

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

Intersection #9: Monterey / Main

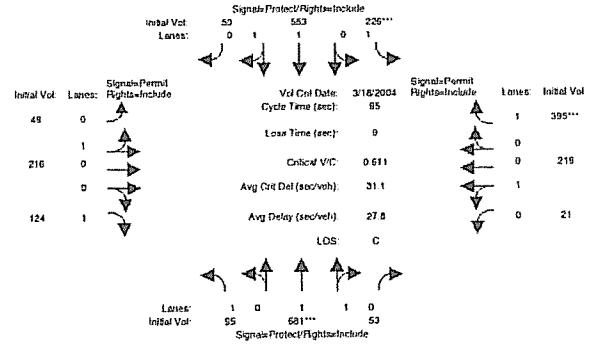


Street Name:	Monterey						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:45AM												
Base Vol:	90	641	34	215	528	44	41	181	121	18	203	390
Growth Adj:	1.00	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	641	34	215	528	44	41	181	121	18	203	390
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	5	31	19	11	20	4	5	18	3	3	6	5
Initial Fut:	95	672	53	226	548	48	46	199	124	21	209	395
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	95	672	53	226	548	48	46	199	124	21	209	395
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	672	53	226	548	48	46	199	124	21	209	395
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	95	672	53	226	548	48	46	199	124	21	209	395
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.95	0.95	0.92	0.95	0.95	0.92
Lanes:	1.00	1.85	0.15	1.00	1.83	0.17	0.19	0.81	1.00	0.09	0.91	1.00
Final Sat.:	1750	3429	270	1750	3402	298	338	1462	1750	164	1636	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.20	0.20	0.13	0.16	0.16	0.14	0.14	0.07	0.13	0.13	0.23
Crit Moves:		****		****								****
Green Time:	15.9	30.6	30.6	20.2	34.8	34.8	35.2	35.2	35.2	35.2	35.2	35.2
Volume/Cap:	0.32	0.61	0.61	0.61	0.44	0.44	0.37	0.37	0.19	0.34	0.34	0.61
Delay/Veh:	37.7	29.5	29.5	41.1	23.8	23.8	23.3	23.3	20.9	23.0	23.0	28.5
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:	37.7	29.5	29.5	41.1	23.8	23.8	23.3	23.3	20.9	23.0	23.0	28.5
HCM2k95th:	6	17	16	13	13	12	10	10	5	10	10	17

Cochrane Road PUD

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

Intersection #9: Monterey / Main

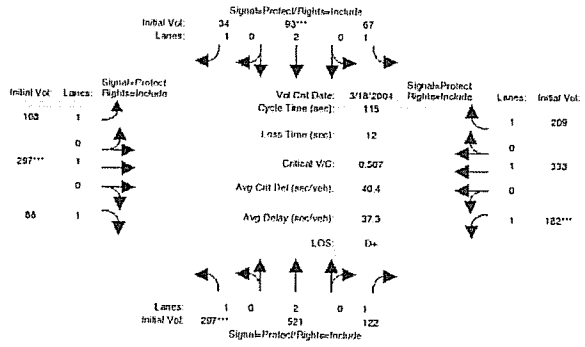


Street Name:	Monterey						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:45AM												
Base Vol:	90	641	34	215	528	44	41	181	121	18	203	390
Growth Adj:	1.00	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	641	34	215	528	44	41	181	121	18	203	390
Added Vol:	0	9	0	0	5	2	3	17	0	0	10	0
ATI:	5	31	19	11	20	4	5	18	3	3	6	5
Initial Fut:	95	681	53	226	553	50	49	216	124	21	219	395
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	95	681	53	226	553	50	49	216	124	21	219	395
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	681	53	226	553	50	49	216	124	21	219	395
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	95	681	53	226	553	50	49	216	124	21	219	395
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.95	0.95	0.92	0.95	0.95	0.92
Lanes:	1.00	1.85	0.15	1.00	1.83	0.17	0.18	0.82	1.00	0.09	0.91	1.00
Final Sat.:	1750	3433	267	1750	3393	307	333	1467	1750	157	1642	1750
Capacity Analysis Module:												
Vol/Sat:	0.05	0.20	0.20	0.13	0.16	0.16	0.15	0.15	0.07	0.13	0.13	0.23
Crit Moves:		****		****								****
Green Time:	15.9	30.8	30.8	20.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
Volume/Cap:	0.33	0.61	0.61	0.61	0.44	0.44	0.40	0.40	0.19	0.36	0.36	0.61
Delay/Veh:	37.8	29.4	29.4	41.3	23.6	23.6	23.9	23.9	21.0	23.3	23.3	28.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.8	29.4	29.4	41.3	23.6	23.6	23.9	23.9	21.0	23.3	23.3	28.7
HCM2k95th:	6	17	17	13	13	12	11	11	5	10	10	17

Cochrane Road PUD

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

Intersection #10: Butterfield / Main

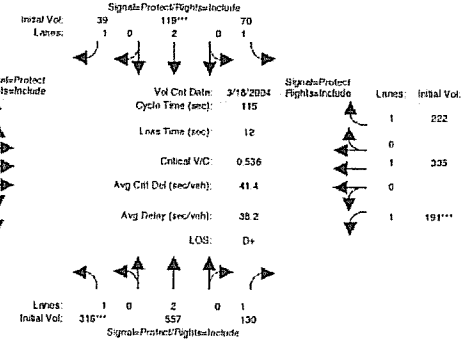


Street Name:	Butterfield						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:30AM												
Base Vol:	297	521	122	67	93	34	108	297	88	182	333	209
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	297	521	122	67	93	34	108	297	88	182	333	209
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	297	521	122	67	93	34	108	297	88	182	333	209
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	297	521	122	67	93	34	108	297	88	182	333	209
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	297	521	122	67	93	34	108	297	88	182	333	209
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	297	521	122	67	93	34	108	297	88	182	333	209
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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.14	0.07	0.04	0.02	0.02	0.06	0.16	0.05	0.10	0.18	0.12
Crit Moves:	****				****			****		****		
Green Time:	36.7	32.3	32.3	14.4	10.0	10.0	14.7	33.8	33.8	22.5	41.6	41.6
Volume/Cap:	0.53	0.49	0.25	0.31	0.28	0.22	0.48	0.53	0.17	0.53	0.48	0.33
Delay/Veh:	35.7	36.0	33.1	49.4	51.3	52.3	54.0	37.6	30.9	47.3	30.8	28.0
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:	35.7	36.0	33.1	49.4	51.3	52.3	54.0	37.6	30.9	47.3	30.8	28.0
HCM2k95th:	16	14	7	5	4	3	8	16	5	12	16	10

Cochrane Road PUD

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

Intersection #10: Butterfield / Main

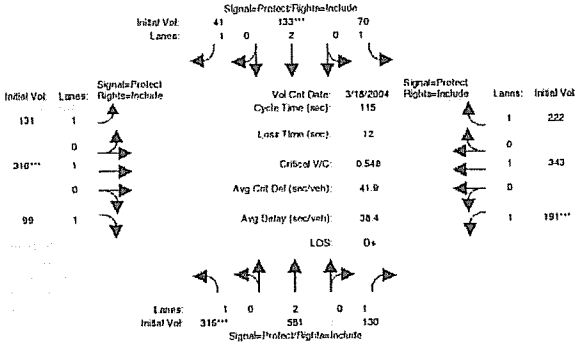


Street Name:	Butterfield						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:30AM												
Base Vol:	297	521	122	67	93	34	108	297	88	182	333	209
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	297	521	122	67	93	34	108	297	88	182	333	209
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	19	36	8	3	26	5	20	5	11	9	2	13
Initial Fut:	316	557	130	70	119	39	128	302	99	191	335	222
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	316	557	130	70	119	39	128	302	99	191	335	222
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	316	557	130	70	119	39	128	302	99	191	335	222
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	316	557	130	70	119	39	128	302	99	191	335	222
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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.18	0.15	0.07	0.04	0.03	0.02	0.07	0.16	0.06	0.11	0.18	0.13
Crit Moves:	****				****			****		****		
Green Time:	37.4	33.5	33.5	13.9	10.0	10.0	16.3	32.9	32.9	22.6	39.3	39.3
Volume/Cap:	0.55	0.50	0.25	0.33	0.36	0.26	0.52	0.55	0.20	0.55	0.52	0.37
Delay/Veh:	35.8	35.5	32.4	50.4	52.5	53.1	53.2	38.8	31.9	48.0	33.2	30.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.8	35.5	32.4	50.4	52.5	53.1	53.2	38.8	31.9	48.0	33.2	30.3
HCM2k95th:	17	15	7	6	5	4	9	16	6	12	17	11

Cochrane Road PUD

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

Intersection #10: Butterfield / Main

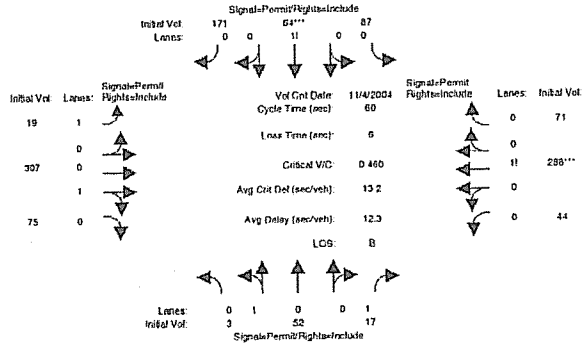


Street Name:	Butterfield						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:30AM												
Base Vol:	297	521	122	67	93	34	108	297	88	182	333	209
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	297	521	122	67	93	34	108	297	88	182	333	209
Added Vol:	0	24	0	0	14	2	3	14	0	0	8	0
ATI:	19	36	8	3	26	5	20	5	11	9	2	13
Initial Fut:	316	581	130	70	133	41	131	316	99	191	343	222
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	316	581	130	70	133	41	131	316	99	191	343	222
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	316	581	130	70	133	41	131	316	99	191	343	222
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	316	581	130	70	133	41	131	316	99	191	343	222
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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.18	0.15	0.07	0.04	0.04	0.02	0.07	0.17	0.06	0.11	0.18	0.13
Crit Moves:	****				****			****		****		
Green Time:	36.8	33.5	33.5	13.3	10.0	10.0	16.5	33.9	33.9	22.3	39.7	39.7
Volume/Cap:	0.56	0.52	0.26	0.34	0.40	0.27	0.52	0.56	0.19	0.56	0.52	0.37
Delay/Veh:	36.5	35.9	32.4	51.4	53.3	53.4	53.2	38.4	31.1	48.6	33.0	29.9
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:	36.5	35.9	32.4	51.4	53.3	53.4	53.2	38.4	31.1	48.6	33.0	29.9
HCM2k95th:	17	16	7	6	6	4	10	17	6	13	17	11

Cochrane Road PUD

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

Intersection #11: Condit / Main

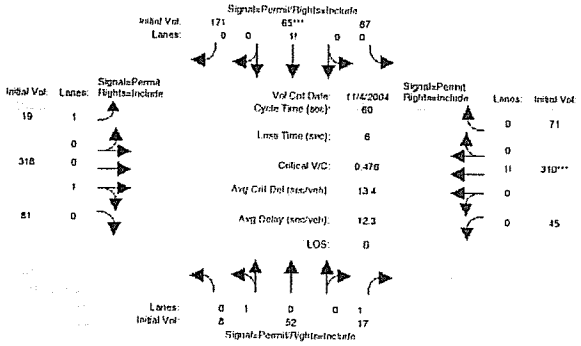


Street Name:	Condit						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:30Am												
Base Vol:	3	52	17	87	64	171	19	307	75	44	288	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:	3	52	17	87	64	171	19	307	75	44	288	71
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	3	52	17	87	64	171	19	307	75	44	288	71
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	52	17	87	64	171	19	307	75	44	288	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	52	17	87	64	171	19	307	75	44	288	71
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	52	17	87	64	171	19	307	75	44	288	71
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.92	0.92	0.92
Lanes:	0.05	0.95	1.00	0.27	0.20	0.53	1.00	0.80	0.20	0.11	0.71	0.18
Final Sat.:	98	1702	1750	473	348	929	1750	1447	353	191	1251	308
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.01	0.18	0.18	0.18	0.01	0.21	0.21	0.23	0.23	0.23
Crit Moves:					****						****	
Green Time:	24.0	24.0	24.0	24.0	24.0	24.0	30.0	30.0	30.0	30.0	30.0	30.0
Volume/Cap:	0.08	0.08	0.02	0.46	0.46	0.46	0.02	0.42	0.42	0.46	0.46	0.46
Delay/Veh:	11.4	11.4	11.0	15.4	15.4	15.4	7.6	11.0	11.0	11.5	11.5	11.5
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:	11.4	11.4	11.0	15.4	15.4	15.4	7.6	11.0	11.0	11.5	11.5	11.5
HCM2k95th:	2	2	1	9	9	9	0	9	9	10	10	10

Cochrane Road PUD

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

Intersection #11: Condit / Main

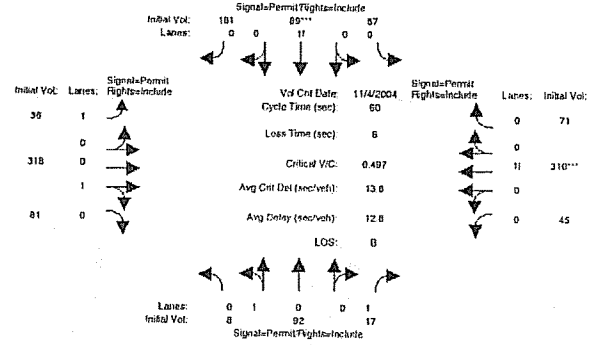


Street Name:	Condit						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:30Am												
Base Vol:	3	52	17	87	64	171	19	307	75	44	288	71
Growth Adj:	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:	3	52	17	87	64	171	19	307	75	44	288	71
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	5	0	0	0	1	0	0	11	6	1	22	0
Initial Fut:	8	52	17	87	65	171	19	318	81	45	310	71
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	52	17	87	65	171	19	318	81	45	310	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	52	17	87	65	171	19	318	81	45	310	71
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	52	17	87	65	171	19	318	81	45	310	71
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.92	0.92	0.92
Lanes:	0.13	0.87	1.00	0.27	0.20	0.53	1.00	0.80	0.20	0.10	0.73	0.17
Final Sat.:	240	1560	1750	471	352	926	1750	1435	365	185	1273	292
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.01	0.18	0.18	0.18	0.01	0.22	0.22	0.24	0.24	0.24
Crit Moves:					****						****	
Green Time:	23.3	23.3	23.3	23.3	23.3	23.3	30.7	30.7	30.7	30.7	30.7	30.7
Volume/Cap:	0.09	0.09	0.03	0.48	0.48	0.48	0.02	0.43	0.43	0.48	0.48	0.48
Delay/Veh:	11.9	11.9	11.4	16.2	16.2	16.2	7.3	10.7	10.7	11.3	11.3	11.3
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:	11.9	11.9	11.4	16.2	16.2	16.2	7.3	10.7	10.7	11.3	11.3	11.3
HCM2k95th:	2	2	1	10	10	10	0	10	10	11	11	11

Cochrane Road PUD

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

Intersection #11: Condit / Main

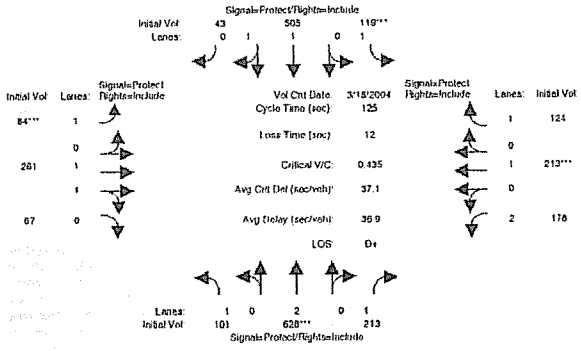


Street Name:	Condit						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 7:30Am												
Base Vol:	3	52	17	87	64	171	19	307	75	44	288	71
Growth Adj:	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:	3	52	17	87	64	171	19	307	75	44	288	71
Added Vol:	0	40	0	0	24	10	17	0	0	0	0	0
ATI:	5	0	0	0	1	0	0	11	6	1	22	0
Initial Fut:	8	92	17	87	89	181	36	318	81	45	310	71
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	92	17	87	89	181	36	318	81	45	310	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	92	17	87	89	181	36	318	81	45	310	71
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	92	17	87	89	181	36	318	81	45	310	71
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.92	0.92	0.92
Lanes:	0.08	0.92	1.00	0.24	0.25	0.51	1.00	0.80	0.20	0.10	0.73	0.17
Final Sat.:	144	1656	1750	426	436	887	1750	1435	365	185	1273	292
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.01	0.20	0.20	0.20	0.02	0.22	0.22	0.24	0.24	0.24
Crit Moves:					****						****	
Green Time:	24.6	24.6	24.6	24.6	24.6	24.6	29.4	29.4	29.4	29.4	29.4	29.4
Volume/Cap:	0.14	0.14	0.02	0.50	0.50	0.50	0.04	0.45	0.45	0.50	0.50	0.50
Delay/Veh:	11.4	11.4	10.6	15.6	15.6	15.6	8.1	11.7	11.7	12.4	12.4	12.4
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:	11.4	11.4	10.6	15.6	15.6	15.6	8.1	11.7	11.7	12.4	12.4	12.4
HCM2k95th:	3	3	0	10	10	10	1	10	10	11	11	11

Cochrane Road PUD

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

Intersection #12: Monterey / Dunne

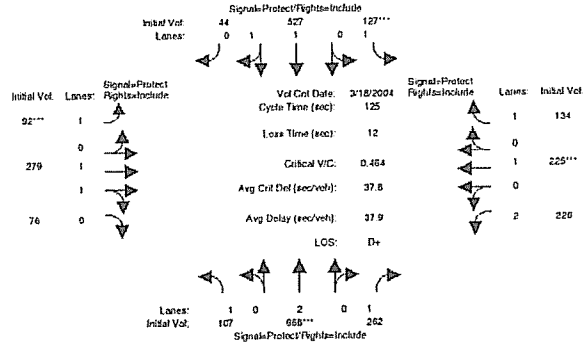


Street Name:	Monterey						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:45AM												
Base Vol:	101	628	213	119	505	43	84	261	67	178	213	124
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	101	628	213	119	505	43	84	261	67	178	213	124
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	101	628	213	119	505	43	84	261	67	178	213	124
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	101	628	213	119	505	43	84	261	67	178	213	124
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	101	628	213	119	505	43	84	261	67	178	213	124
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	101	628	213	119	505	43	84	261	67	178	213	124
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.98	0.95	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	1.84	0.16	1.00	1.59	0.42	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3409	290	1750	2944	756	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.17	0.12	0.07	0.15	0.15	0.05	0.09	0.09	0.06	0.11	0.07
Crit Moves:		****		****			****				****	
Green Time:	18.8	47.5	47.5	19.5	48.2	48.2	13.8	28.1	28.1	17.9	32.2	32.2
Volume/Cap:	0.38	0.44	0.32	0.44	0.38	0.38	0.44	0.39	0.39	0.39	0.44	0.28
Delay/Veh:	52.1	29.8	28.6	52.7	28.5	28.5	59.0	42.6	42.6	51.2	41.6	38.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.1	29.8	28.6	52.7	28.5	28.5	59.0	42.6	42.6	51.2	41.6	38.6
HCM2k95th:	8	16	11	9	14	13	7	11	10	7	13	8

Cochrane Road PUD

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

Intersection #12: Monterey / Dunne

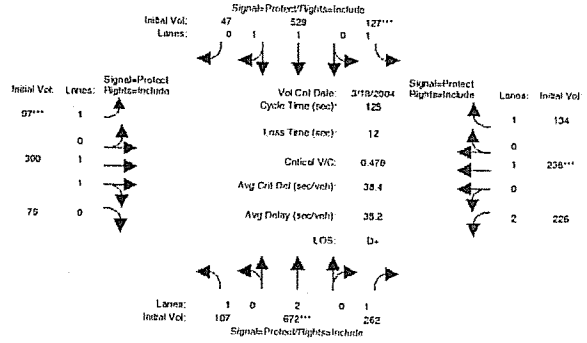


Street Name:	Monterey						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:45AM												
Base Vol:	101	628	213	119	505	43	84	261	67	178	213	124
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	101	628	213	119	505	43	84	261	67	178	213	124
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	6	40	49	8	22	1	8	18	9	48	12	10
Initial Fut:	107	668	262	127	527	44	92	279	76	226	225	134
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	107	668	262	127	527	44	92	279	76	226	225	134
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	668	262	127	527	44	92	279	76	226	225	134
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	107	668	262	127	527	44	92	279	76	226	225	134
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.98	0.95	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	1.84	0.16	1.00	1.56	0.44	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3415	285	1750	2907	792	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.18	0.15	0.07	0.15	0.15	0.05	0.10	0.10	0.07	0.12	0.08
Crit Moves:		****		****			****				****	
Green Time:	19.0	47.4	47.4	19.6	47.9	47.9	14.2	26.4	26.4	19.7	31.9	31.9
Volume/Cap:	0.40	0.46	0.40	0.46	0.40	0.40	0.46	0.45	0.45	0.45	0.46	0.30
Delay/Veh:	52.4	30.3	30.1	53.5	28.9	28.9	59.5	45.0	45.0	50.8	42.5	39.3
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:	52.4	30.3	30.1	53.5	28.9	28.9	59.5	45.0	45.0	50.8	42.5	39.3
HCM2k95th:	8	17	13	10	14	14	8	12	11	9	14	8

Cochrane Road PUD

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

Intersection #12: Monterey / Dunne



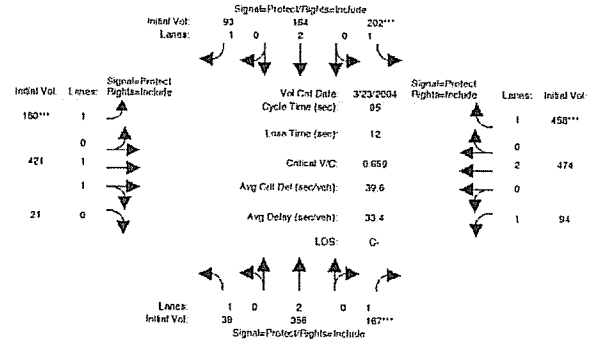
Street Name:	Monterey						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 7:45AM												
Base Vol:	101	628	213	119	505	43	84	261	67	178	213	124
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	101	628	213	119	505	43	84	261	67	178	213	124
Added Vol:	0	4	0	0	2	3	5	21	0	0	13	0
ATI:	6	40	49	8	22	1	8	18	9	48	12	10
Initial Fut:	107	672	262	127	529	47	97	300	76	226	238	134
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	107	672	262	127	529	47	97	300	76	226	238	134
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	672	262	127	529	47	97	300	76	226	238	134
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	107	672	262	127	529	47	97	300	76	226	238	134
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.98	0.95	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	1.83	0.17	1.00	1.58	0.42	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3398	302	1750	2952	748	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.06	0.18	0.15	0.07	0.16	0.16	0.06	0.10	0.10	0.07	0.13	0.08
Crit Moves:		****		****			****				****	
Green Time:	18.5	46.5	46.5	19.1	47.0	47.0	14.6	27.8	27.8	19.6	32.9	32.9
Volume/Cap:	0.41	0.48	0.40	0.48	0.41	0.41	0.48	0.46	0.46	0.46	0.48	0.29
Delay/Veh:	53.2	31.1	30.9	54.4	29.7	29.7	59.4	43.9	43.9	50.8	42.0	38.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.2	31.1	30.9	54.4	29.7	29.7	59.4	43.9	43.9	50.8	42.0	38.3
HCM2k95th:	8	17	14	10	15	14	8	12	12	9	14	8

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #13: Butterfield / Dunne



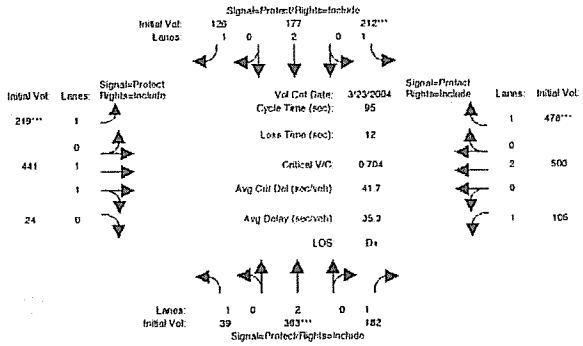
Street Name:	Butterfield						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 23 Mar 2004 << 7:30AM												
Base Vol:	39	356	167	202	164	93	180	421	21	94	474	458
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	356	167	202	164	93	180	421	21	94	474	458
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	39	356	167	202	164	93	180	421	21	94	474	458
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	356	167	202	164	93	180	421	21	94	474	458
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	356	167	202	164	93	180	421	21	94	474	458
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	39	356	167	202	164	93	180	421	21	94	474	458
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	0.97	0.95	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.90	0.10	1.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	3524	176	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.09	0.10	0.12	0.04	0.05	0.10	0.12	0.12	0.05	0.12	0.26
Crit Moves:			****	****			****					****
Green Time:	12.5	13.8	13.8	16.6	17.9	17.9	14.8	32.5	32.5	20.1	37.7	37.7
Volume/Cap:	0.17	0.65	0.66	0.66	0.23	0.28	0.66	0.35	0.35	0.25	0.31	0.66
Delay/Veh:	38.2	44.1	51.1	47.1	33.5	35.2	49.5	24.1	24.1	32.9	20.3	28.2
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:	38.2	44.1	51.1	47.1	33.5	35.2	49.5	24.1	24.1	32.9	20.3	28.2
HCM2k95th:	3	11	11	12	5	6	12	10	9	5	9	20

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #13: Butterfield / Dunne

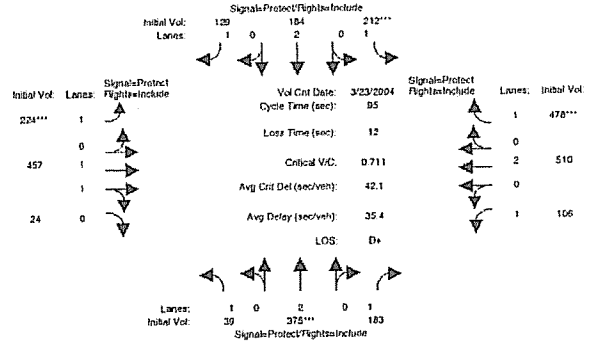


Street Name:	Butterfield						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 23 Mar 2004 << 7:30AM												
Base Vol:	39	356	167	202	164	93	180	421	21	94	474	458
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	356	167	202	164	93	180	421	21	94	474	458
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	7	15	10	13	33	39	20	3	12	26	20
Initial Fut:	39	363	182	212	177	126	219	441	24	106	500	478
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	363	182	212	177	126	219	441	24	106	500	478
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	363	182	212	177	126	219	441	24	106	500	478
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	39	363	182	212	177	126	219	441	24	106	500	478
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	0.95	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.89	0.11	1.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	3509	191	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.10	0.10	0.12	0.05	0.07	0.13	0.13	0.13	0.06	0.13	0.27
Crit Moves:		****		****			****					****
Green Time:	12.0	12.9	12.9	16.4	17.2	17.2	16.9	33.9	33.9	19.9	36.9	36.9
Volume/Cap:	0.18	0.70	0.77	0.70	0.26	0.40	0.70	0.35	0.35	0.29	0.34	0.70
Delay/Veh:	38.8	47.1	60.4	50.0	34.3	38.0	49.3	23.2	23.2	33.6	21.1	30.5
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:	38.8	47.1	60.4	50.0	34.3	38.0	49.3	23.2	23.2	33.6	21.1	30.5
HCM2k95th:	3	12	13	13	5	7	14	10	10	6	10	21

Cochrane Road PUD

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

Intersection #13: Butterfield / Dunne

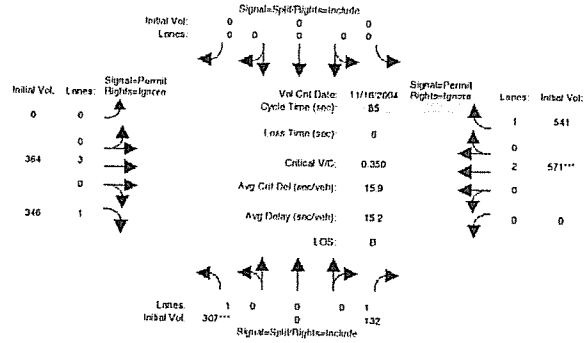


Street Name:	Butterfield						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 23 Mar 2004 << 7:30AM												
Base Vol:	39	356	167	202	164	93	180	421	21	94	474	458
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	356	167	202	164	93	180	421	21	94	474	458
Added Vol:	0	12	1	0	7	3	5	16	0	0	10	0
ATI:	0	7	15	10	13	33	39	20	3	12	26	20
Initial Fut:	39	375	183	212	184	129	224	457	24	106	510	478
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	375	183	212	184	129	224	457	24	106	510	478
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	375	183	212	184	129	224	457	24	106	510	478
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	39	375	183	212	184	129	224	457	24	106	510	478
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	0.95	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.90	0.10	1.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	3515	185	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.10	0.10	0.12	0.05	0.07	0.13	0.13	0.13	0.06	0.13	0.27
Crit Moves:		****		****			****					****
Green Time:	12.1	13.2	13.2	16.2	17.3	17.3	17.1	34.2	34.2	19.4	36.5	36.5
Volume/Cap:	0.17	0.71	0.75	0.71	0.27	0.41	0.71	0.36	0.36	0.30	0.35	0.71
Delay/Veh:	38.7	47.0	58.6	50.6	34.3	38.1	49.4	23.1	23.1	34.1	21.5	31.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.7	47.0	58.6	50.6	34.3	38.1	49.4	23.1	23.1	34.1	21.5	31.0
HCM2k95th:	3	13	13	13	5	8	14	10	10	6	10	22

Cochrane Road PUD

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

Intersection #14: Hwy 101 (N) / Dunne



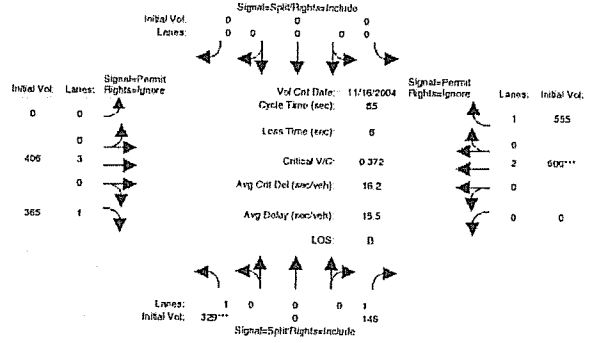
Street Name:	Hwy 101 (N)						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 7:15AM												
Base Vol:	307	0	132	0	0	0	0	364	346	0	571	541
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	307	0	132	0	0	0	0	364	346	0	571	541
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	307	0	132	0	0	0	0	364	346	0	571	541
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:	307	0	132	0	0	0	0	364	0	0	571	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	307	0	132	0	0	0	0	364	0	0	571	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
Final Vol.:	307	0	132	0	0	0	0	364	0	0	571	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	0.08	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.15	0.00
Crit Moves:	****										****	
Green Time:	42.6	0.0	42.6	0.0	0.0	0.0	0.0	36.4	0.0	0.0	36.4	0.0
Volume/Cap:	0.35	0.00	0.15	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.35	0.00
Delay/Veh:	14.0	0.0	11.8	0.0	0.0	0.0	0.0	14.9	0.0	0.0	16.9	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:	14.0	0.0	11.8	0.0	0.0	0.0	0.0	14.9	0.0	0.0	16.9	0.0
HCM2k95th:	10	0	4	0	0	0	0	4	0	0	10	0

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #14: Hwy 101 (N) / Dunne



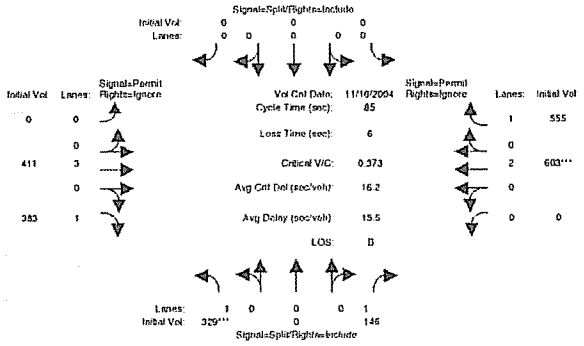
Street Name:	Hwy 101 (N)						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 7:15AM												
Base Vol:	307	0	132	0	0	0	0	364	346	0	571	541
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	307	0	132	0	0	0	0	364	346	0	571	541
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	22	0	14	0	0	0	0	42	19	0	29	14
Initial Fut:	329	0	146	0	0	0	0	406	365	0	600	555
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:	329	0	146	0	0	0	0	406	0	0	600	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	329	0	146	0	0	0	0	406	0	0	600	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
Final Vol.:	329	0	146	0	0	0	0	406	0	0	600	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:	0.19	0.00	0.08	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.16	0.00
Crit Moves:	****										****	
Green Time:	42.9	0.0	42.9	0.0	0.0	0.0	0.0	36.1	0.0	0.0	36.1	0.0
Volume/Cap:	0.37	0.00	0.17	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.37	0.00
Delay/Veh:	14.0	0.0	11.8	0.0	0.0	0.0	0.0	15.3	0.0	0.0	17.4	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	14.0	0.0	11.8	0.0	0.0	0.0	0.0	15.3	0.0	0.0	17.4	0.0
HCM2k95th:	10	0	5	0	0	0	0	5	0	0	11	0

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #14: Hwy 101 (N) / Dunne

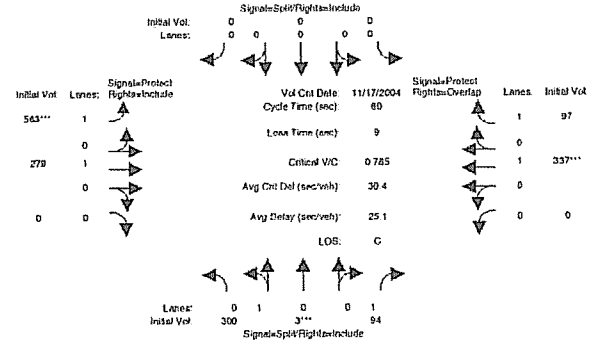


Street Name:	Hwy 101 (N)						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 7:15AM												
Base Vol:	307	0	132	0	0	0	0	364	346	0	571	541
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	307	0	132	0	0	0	0	364	346	0	571	541
Added Vol:	0	0	0	0	0	0	0	5	18	0	3	0
ATI:	22	0	14	0	0	0	0	42	19	0	29	14
Initial Fut:	329	0	146	0	0	0	0	411	383	0	603	555
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:	329	0	146	0	0	0	0	411	0	0	603	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	329	0	146	0	0	0	0	411	0	0	603	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
Final Vol.:	329	0	146	0	0	0	0	411	0	0	603	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:	0.19	0.00	0.08	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.16	0.00
Crit Moves:	****										****	
Green Time:	42.8	0.0	42.8	0.0	0.0	0.0	0.0	36.2	0.0	0.0	36.2	0.0
Volume/Cap:	0.37	0.00	0.17	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.37	0.00
Delay/Veh:	14.1	0.0	11.8	0.0	0.0	0.0	0.0	15.3	0.0	0.0	17.3	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:	14.1	0.0	11.8	0.0	0.0	0.0	0.0	15.3	0.0	0.0	17.3	0.0
HCM2k95th:	10	0	5	0	0	0	0	5	0	0	11	0

Cochrane Road PUD

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

Intersection #15: Hwy 101(N) / Tennant

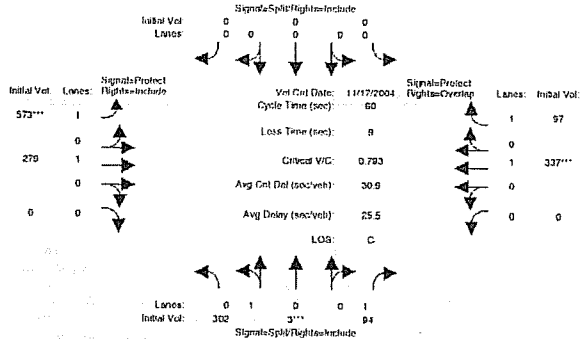


Street Name:	Hwy 101 (N)						Tennant					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	0	0	0	7	10	0	0	10	10
Volume Module: >> Count Date: 17 Nov 2004 << 7:15AM												
Base Vol:	300	3	94	0	0	0	563	279	0	0	337	97
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	300	3	94	0	0	0	563	279	0	0	337	97
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	300	3	94	0	0	0	563	279	0	0	337	97
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	300	3	94	0	0	0	563	279	0	0	337	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	300	3	94	0	0	0	563	279	0	0	337	97
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	300	3	94	0	0	0	563	279	0	0	337	97
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.99	0.01	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	1782	18	1750	0	0	0	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.17	0.05	0.00	0.00	0.00	0.32	0.15	0.00	0.00	0.18	0.06
Crit Moves:		****					****				****	
Green Time:	12.9	12.9	12.9	0.0	0.0	0.0	24.6	38.1	0.0	0.0	13.6	13.6
Volume/Cap:	0.79	0.79	0.25	0.00	0.00	0.00	0.79	0.23	0.00	0.00	0.79	0.25
Delay/Veh:	37.1	37.1	21.2	0.0	0.0	0.0	23.9	5.1	0.0	0.0	35.3	20.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.1	37.1	21.2	0.0	0.0	0.0	23.9	5.1	0.0	0.0	35.3	20.5
HCM2k95th:	14	14	4	0	0	0	19	5	0	0	15	4

Cochrane Road PUD

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

Intersection #15: Hwy 101(N) / Tennant



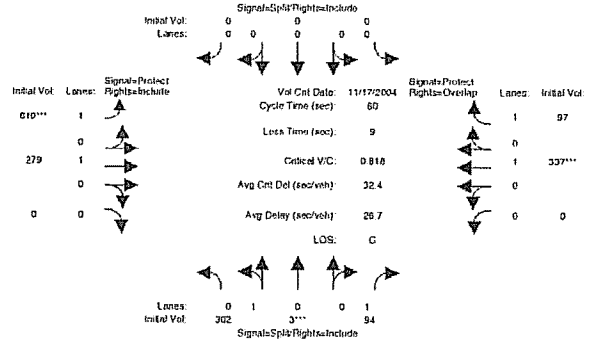
Street Name:	Hwy 101 (N)						Tennant					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	0	0	0	7	10	0	0	10	10
Volume Module: >> Count Date: 17 Nov 2004 << 7:15AM												
Base Vol:	300	3	94	0	0	0	563	279	0	0	337	97
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	300	3	94	0	0	0	563	279	0	0	337	97
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	2	0	0	0	0	0	10	0	0	0	0	0
Initial Fut:	302	3	94	0	0	0	573	279	0	0	337	97
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	302	3	94	0	0	0	573	279	0	0	337	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	302	3	94	0	0	0	573	279	0	0	337	97
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	302	3	94	0	0	0	573	279	0	0	337	97
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.99	0.01	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	1782	18	1750	0	0	0	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.17	0.05	0.00	0.00	0.00	0.33	0.15	0.00	0.00	0.18	0.06
Crit Moves:		****					****				****	
Green Time:	12.8	12.8	12.8	0.0	0.0	0.0	24.8	38.2	0.0	0.0	13.4	13.4
Volume/Cap:	0.79	0.79	0.25	0.00	0.00	0.00	0.79	0.23	0.00	0.00	0.79	0.25
Delay/Veh:	37.7	37.7	21.2	0.0	0.0	0.0	24.1	5.1	0.0	0.0	36.1	20.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.7	37.7	21.2	0.0	0.0	0.0	24.1	5.1	0.0	0.0	36.1	20.7
HCM2k95th:	14	14	4	0	0	0	20	5	0	0	15	4

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #15: Hwy 101(N) / Tennant



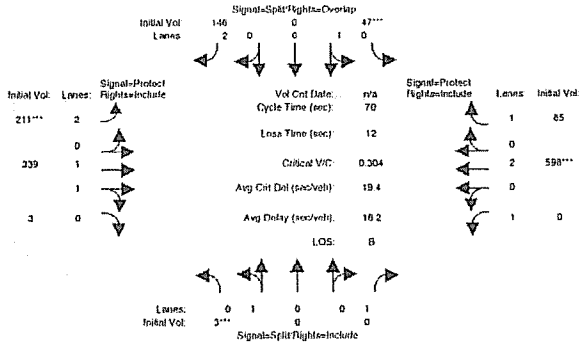
Street Name:	Hwy 101 (N)						Tennant					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	0	0	0	7	10	0	0	10	10
Volume Module: >> Count Date: 17 Nov 2004 << 7:15AM												
Base Vol:	300	3	94	0	0	0	563	279	0	0	337	97
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	300	3	94	0	0	0	563	279	0	0	337	97
Added Vol:	0	0	0	0	0	0	37	0	0	0	0	0
ATI:	2	0	0	0	0	0	10	0	0	0	0	0
Initial Fut:	302	3	94	0	0	0	610	279	0	0	337	97
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	302	3	94	0	0	0	610	279	0	0	337	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	302	3	94	0	0	0	610	279	0	0	337	97
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	302	3	94	0	0	0	610	279	0	0	337	97
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.99	0.01	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	1782	18	1750	0	0	0	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.17	0.17	0.05	0.00	0.00	0.00	0.35	0.15	0.00	0.00	0.18	0.06
Crit Moves:		****					****				****	
Green Time:	12.4	12.4	12.4	0.0	0.0	0.0	25.6	38.6	0.0	0.0	13.0	13.0
Volume/Cap:	0.82	0.82	0.26	0.00	0.00	0.00	0.82	0.23	0.00	0.00	0.82	0.26
Delay/Veh:	40.5	40.5	21.7	0.0	0.0	0.0	24.9	4.9	0.0	0.0	38.7	21.1
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:	40.5	40.5	21.7	0.0	0.0	0.0	24.9	4.9	0.0	0.0	38.7	21.1
HCM2k95th:	15	15	4	0	0	0	21	5	0	0	15	4

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #56: DePaul / Cochrane [New Signal]



Street Name:	DePaul						Cochrane					
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
Volume Module:												
Base Vol:	3	0	0	47	0	146	211	339	3	0	598	85
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	0	0	47	0	146	211	339	3	0	598	85
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:	3	0	0	47	0	146	211	339	3	0	598	85
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	0	0	47	0	146	211	339	3	0	598	85
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	0	0	47	0	146	211	339	3	0	598	85
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	0	0	47	0	146	211	339	3	0	598	85
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	0.83	0.83	0.97	0.95	0.92	1.00	0.92
Lanes:	1.00	0.00	1.00	1.00	0.00	2.00	2.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1800	0	1750	1800	0	3150	3150	3668	32	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.05	0.07	0.09	0.09	0.00	0.16	0.05
Crit Moves:	****			****			****				****	
Green Time:	10.0	0.0	0.0	10.0	0.0	21.3	11.3	38.0	38.0	0.0	26.7	26.7
Volume/Cap:	0.01	0.00	0.00	0.18	0.00	0.15	0.41	0.17	0.17	0.00	0.41	0.13
Delay/Veh:	25.8	0.0	0.0	26.7	0.0	17.8	26.9	8.1	8.1	0.0	16.1	14.2
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:	25.8	0.0	0.0	26.7	0.0	17.8	26.9	8.1	8.1	0.0	16.1	14.2
HCM2k95th:	0	0	0	2	0	3	5	4	4	0	10	3

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

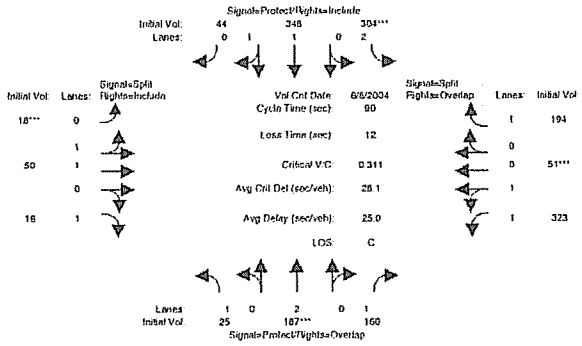
Summary Scenario Comparison Report (With Average Critical Delay)
Future Volume Alternative

Intersection		PM Existing				PM Background				PM Project						???			
		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	Monterey / Cochrane	C	25.0	0.311	28.1	C	25.7	0.355	28.6	C	25.4	0.400	+ 0.045	28.5	- 0.1	?	xx.x	x.xxx	xx.x
#2	Butterfield / Cochrane	B+	11.8	0.351	17.3	B	12.3	0.406	18.0	B	13.5	0.519	+ 0.113	20.0	+ 2.1	?	xx.x	x.xxx	xx.x
#3	Sutter / Cochrane	B	15.2	0.260	15.2	B	15.4	0.289	15.2	B	16.3	0.370	+ 0.081	16.2	+ 1.0	?	xx.x	x.xxx	xx.x
#4	Cochrane Plaza / Cochrane	C	30.5	0.459	29.1	C	28.1	0.534	28.4	C	26.8	0.609	+ 0.075	27.9	- 0.5	?	xx.x	x.xxx	xx.x
#5	Hwy 101 (S) / Cochrane	B	13.5	0.644	14.9	B	14.6	0.724	16.6	C	23.6	0.954	+ 0.230	31.3	+ 14.7	?	xx.x	x.xxx	xx.x
#6	Hwy 101 (N) / Cochrane	B+	10.5	0.253	11.0	B+	10.9	0.331	11.6	C	25.0	0.896	+ 0.565	28.2	+ 16.6	?	xx.x	x.xxx	xx.x
#7	DePaul / Cochrane	B	11.2	x.xxx	11.2	B	12.6	x.xxx	12.6	?	xx.x	x.xxx	x.xxx	xx.x	x.xxx	?	xx.x	x.xxx	xx.x
#8	Mission View / Cochrane	B	10.8	x.xxx	10.8	B	12.7	x.xxx	12.7	F	>50	x.xxx	x.xxx	>50	x.xxx	?	xx.x	x.xxx	xx.x
#9	Monterey / Main	C	24.0	0.463	24.3	C	24.3	0.514	25.1	C	24.7	0.554	+ 0.040	25.9	+ 0.8	?	xx.x	x.xxx	xx.x
#10	Butterfield / Main	D+	36.9	0.415	37.9	D+	37.5	0.454	38.5	D+	37.6	0.498	+ 0.043	39.0	+ 0.5	?	xx.x	x.xxx	xx.x
#11	Condit / Main	A	9.7	0.229	9.2	A	9.8	0.245	9.5	B+	11.4	0.333	+ 0.088	11.8	+ 2.3	?	xx.x	x.xxx	xx.x
#12	Monterey / Dunne	D+	38.7	0.526	39.4	D	39.5	0.573	40.5	D	40.7	0.616	+ 0.043	40.1	- 0.4	?	xx.x	x.xxx	xx.x
#13	Butterfield / Dunne	D+	35.9	0.604	40.7	D+	37.6	0.666	43.6	D+	38.1	0.677	+ 0.011	44.2	+ 0.6	?	xx.x	x.xxx	xx.x
#14	Hwy 101 (N) / Dunne	B	12.8	0.322	12.9	B	12.8	0.346	12.9	B	12.7	0.349	+ 0.003	12.8	- 0.1	?	xx.x	x.xxx	xx.x
#15	Hwy 101(N) / Tennant	C+	21.7	0.650	27.3	C+	22.0	0.658	27.6	C	23.6	0.726	+ 0.068	29.5	+ 2.0	?	xx.x	x.xxx	xx.x
#56	DePaul / Cochrane (New Signal)	?	xx.x	x.xxx	xx.x	?	xx.x	x.xxx	xx.x	C+	22.1	0.586	x.xxx	26.8	x.xxx	?	xx.x	x.xxx	xx.x

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

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

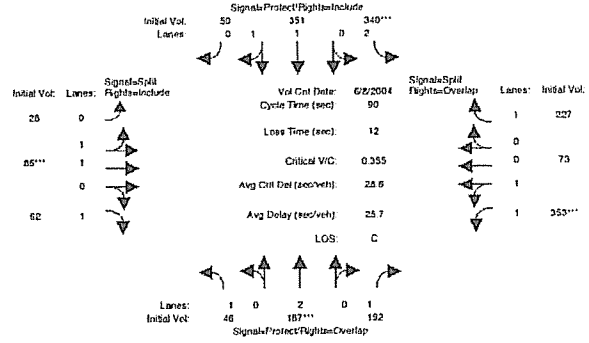
Intersection #1: Monterey / Cochrane



Street Name:	Monterey						Cochrane					
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	10	10	10	10	10	10
Volume Module: >> Count Date: 8 Jun 2004 << 4:00PM												
Base Vol:	25	187	160	304	348	44	18	50	16	323	51	194
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	187	160	304	348	44	18	50	16	323	51	194
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	187	160	304	348	44	18	50	16	323	51	194
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	187	160	304	348	44	18	50	16	323	51	194
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	187	160	304	348	44	18	50	16	323	51	194
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	25	187	160	304	348	44	18	50	16	323	51	194
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	0.98	0.95	0.95	0.98	0.92	0.93	0.95	0.92
Lanes:	1.00	2.00	1.00	2.00	1.77	0.23	0.54	1.46	1.00	1.73	0.27	1.00
Final Sat.:	1750	3800	1750	3150	3284	415	979	2720	1750	3066	484	1750
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.09	0.10	0.11	0.11	0.02	0.02	0.01	0.11	0.11	0.11
Crit Moves:		****		****			****				****	
Green Time:	16.3	13.3	41.9	26.1	23.2	23.2	10.0	10.0	10.0	28.5	28.5	54.7
Volume/Cap:	0.08	0.33	0.20	0.33	0.41	0.41	0.17	0.17	0.08	0.33	0.33	0.18
Delay/Veh:	31.1	35.9	14.7	26.1	29.0	29.0	37.1	37.1	36.7	24.3	24.3	8.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	31.1	35.9	14.7	26.1	29.0	29.0	37.1	37.1	36.7	24.3	24.3	8.2
HCM2k95th:	2	6	6	7	9	9	2	2	1	8	8	5

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

Intersection #1: Monterey / Cochrane

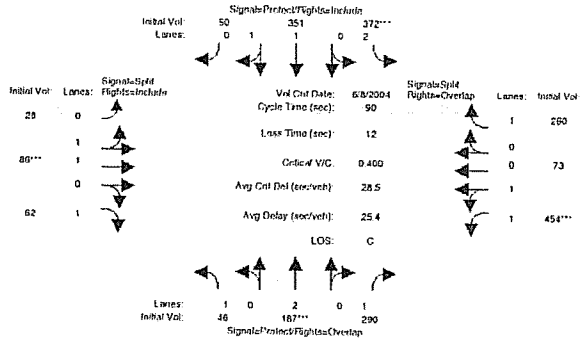


Street Name:	Monterey						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 8 Jun 2004 << 4:00PM												
Base Vol:	25	187	160	304	348	44	18	50	16	323	51	194
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	187	160	304	348	44	18	50	16	323	51	194
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	21	0	32	36	3	6	10	36	46	30	22	33
Initial Fut:	46	187	192	340	351	50	28	86	62	353	73	227
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	46	187	192	340	351	50	28	86	62	353	73	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	187	192	340	351	50	28	86	62	353	73	227
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	46	187	192	340	351	50	28	86	62	353	73	227
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	0.98	0.95	0.95	0.98	0.92	0.93	0.95	0.92
Lanes:	1.00	2.00	1.00	2.00	1.74	0.26	0.50	1.50	1.00	1.66	0.34	1.00
Final Sat.:	1750	3800	1750	3150	3238	461	909	2791	1750	2942	608	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.05	0.11	0.11	0.11	0.11	0.03	0.03	0.04	0.12	0.12	0.13
Crit Moves:		****		****				****		****		
Green Time:	15.9	12.1	41.5	26.5	22.7	22.7	10.0	10.0	10.0	29.4	29.4	55.9
Volume/Cap:	0.15	0.37	0.24	0.37	0.43	0.43	0.28	0.28	0.32	0.37	0.37	0.21
Delay/Veh:	32.4	37.5	15.4	26.2	29.7	29.7	38.4	38.4	41.1	24.0	24.0	7.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	32.4	37.5	15.4	26.2	29.7	29.7	38.4	38.4	41.1	24.0	24.0	7.8
HCM2k95th:	3	6	7	8	10	10	4	4	4	9	9	6

Cochrane Road PUD

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

Intersection #1: Monterey / Cochrane

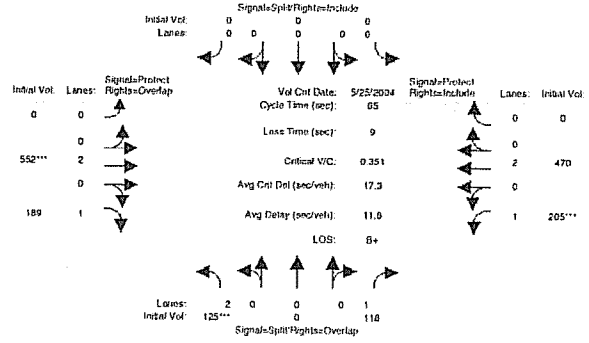


Street Name:	Monterey						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 8 Jun 2004 << 4:00PM												
Base Vol:	25	187	160	304	348	44	18	50	16	323	51	194
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	187	160	304	348	44	18	50	16	323	51	194
Added Vol:	0	0	98	32	0	0	0	0	0	101	0	33
ATI:	21	0	32	36	3	6	10	36	46	30	22	33
Initial Fut:	46	187	290	372	351	50	28	86	62	454	73	260
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	46	187	290	372	351	50	28	86	62	454	73	260
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	187	290	372	351	50	28	86	62	454	73	260
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	46	187	290	372	351	50	28	86	62	454	73	260
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	0.98	0.95	0.95	0.98	0.92	0.93	0.95	0.92
Lanes:	1.00	2.00	1.00	2.00	1.74	0.26	0.50	1.50	1.00	1.73	0.27	1.00
Final Sat.:	1750	3800	1750	3150	3238	461	909	2791	1750	3058	492	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.05	0.17	0.12	0.11	0.11	0.03	0.03	0.04	0.15	0.15	0.15
Crit Moves:		****		****				****		****		
Green Time:	14.8	10.6	42.6	25.4	21.2	21.2	10.0	10.0	10.0	32.0	32.0	57.4
Volume/Cap:	0.16	0.42	0.35	0.42	0.46	0.46	0.28	0.28	0.32	0.42	0.42	0.23
Delay/Veh:	33.4	39.7	16.1	27.7	31.2	31.2	38.4	38.4	41.1	23.0	23.0	7.4
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:	33.4	39.7	16.1	27.7	31.2	31.2	38.4	38.4	41.1	23.0	23.0	7.4
HCM2k95th:	3	6	10	9	10	10	4	4	4	11	11	7

Cochrane Road PUD

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

Intersection #2: Butterfield / Cochrane

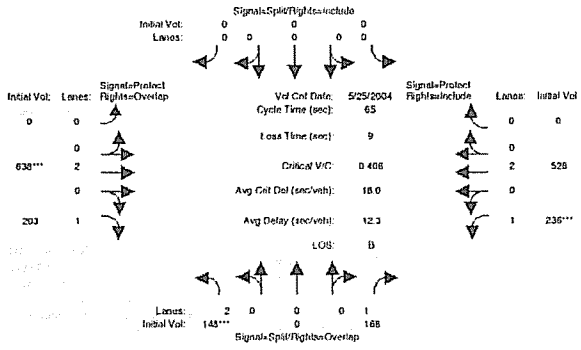


Street Name:	Butterfield						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Volume Module: >> Count Date: 25 May 2004 << 5:00PM												
Base Vol:	125	0	118	0	0	0	0	552	189	205	470	0
Growth 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:	125	0	118	0	0	0	0	552	189	205	470	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:	125	0	118	0	0	0	0	552	189	205	470	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:	125	0	118	0	0	0	0	552	189	205	470	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	0	118	0	0	0	0	552	189	205	470	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	125	0	118	0	0	0	0	552	189	205	470	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.04	0.00	0.07	0.00	0.00	0.00	0.00	0.15	0.11	0.12	0.12	0.00
Crit Moves:	****							****		****		
Green Time:	10.0	0.0	30.5	0.0	0.0	0.0	0.0	25.5	35.5	20.5	46.0	0.0
Volume/Cap:	0.26	0.00	0.14	0.00	0.00	0.00	0.00	0.37	0.20	0.37	0.17	0.00
Delay/Veh:	25.5	0.0	10.2	0.0	0.0	0.0	0.0	14.8	8.0	19.1	3.3	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:	25.5	0.0	10.2	0.0	0.0	0.0	0.0	14.8	8.0	19.1	3.3	0.0
HCM2k95th:	3	0	3	0	0	0	0	8	5	7	4	0

Cochrane Road PUD

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

Intersection #2: Butterfield / Cochrane

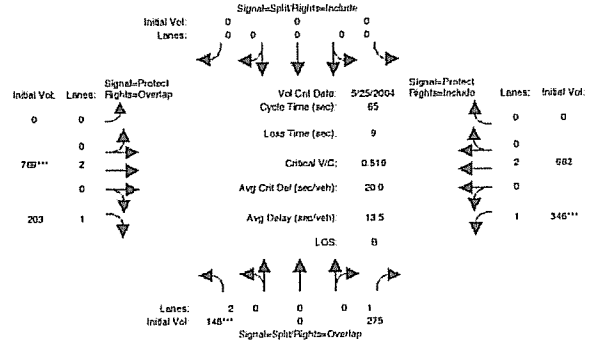


Street Name:	Butterfield						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Volume Module: >> Count Date: 25 May 2004 << 5:00PM												
Base Vol:	125	0	118	0	0	0	0	552	189	205	470	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:	125	0	118	0	0	0	0	552	189	205	470	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	23	0	50	0	0	0	0	86	14	31	58	0
Initial Fut:	148	0	168	0	0	0	0	638	203	236	528	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:	148	0	168	0	0	0	0	638	203	236	528	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	0	168	0	0	0	0	638	203	236	528	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	148	0	168	0	0	0	0	638	203	236	528	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.10	0.00	0.00	0.00	0.00	0.17	0.12	0.13	0.14	0.00
Crit Moves:	****							****		****		
Green Time:	10.0	0.0	30.5	0.0	0.0	0.0	0.0	25.5	35.5	20.5	46.0	0.0
Volume/Cap:	0.31	0.00	0.20	0.00	0.00	0.00	0.00	0.43	0.21	0.43	0.20	0.00
Delay/Veh:	26.0	0.0	10.7	0.0	0.0	0.0	0.0	15.3	8.1	20.0	3.4	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	26.0	0.0	10.7	0.0	0.0	0.0	0.0	15.3	8.1	20.0	3.4	0.0
HCM2k95th:	4	0	5	0	0	0	0	10	5	8	4	0

Cochrane Road PUD

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

Intersection #2: Butterfield / Cochrane

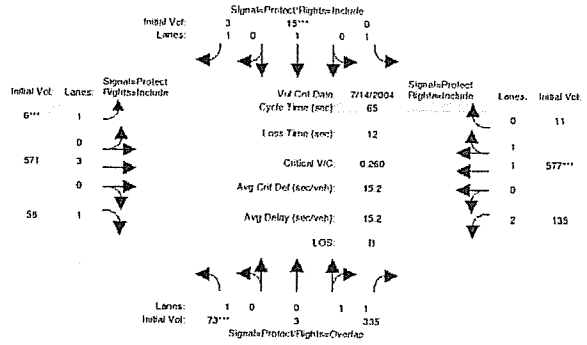


Street Name:	Butterfield						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	0	10	0	0	0	0	10	10	7	10	0
Volume Module: >> Count Date: 25 May 2004 << 5:00PM												
Base Vol:	125	0	118	0	0	0	0	552	189	205	470	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:	125	0	118	0	0	0	0	552	189	205	470	0
Added Vol:	0	0	107	0	0	0	0	131	0	110	134	0
ATI:	23	0	50	0	0	0	0	86	14	31	58	0
Initial Fut:	148	0	275	0	0	0	0	769	203	346	662	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:	148	0	275	0	0	0	0	769	203	346	662	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	0	275	0	0	0	0	769	203	346	662	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	148	0	275	0	0	0	0	769	203	346	662	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3150	0	1750	0	0	0	0	3800	1750	1750	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.16	0.00	0.00	0.00	0.00	0.20	0.12	0.20	0.17	0.00
Crit Moves:	****							****		****		
Green Time:	10.0	0.0	32.7	0.0	0.0	0.0	0.0	23.3	33.3	22.7	46.0	0.0
Volume/Cap:	0.31	0.00	0.31	0.00	0.00	0.00	0.00	0.57	0.23	0.57	0.25	0.00
Delay/Veh:	26.0	0.0	10.4	0.0	0.0	0.0	0.0	18.5	9.4	20.9	3.6	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:	26.0	0.0	10.4	0.0	0.0	0.0	0.0	18.5	9.4	20.9	3.6	0.0
HCM2k95th:	4	0	7	0	0	0	0	13	5	12	5	0

Cochrane Road PUD

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

Intersection #3: Sutter / Cochrane

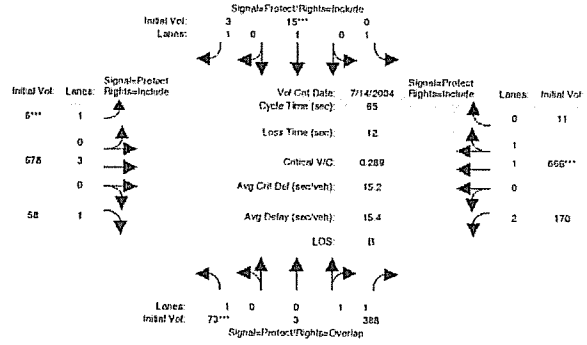


Street Name:	Sutter						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 14 Jul 2004 << 4:45PM												
Base Vol:	73	3	335	0	15	3	6	571	58	135	577	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	73	3	335	0	15	3	6	571	58	135	577	11
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:	73	3	335	0	15	3	6	571	58	135	577	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	3	335	0	15	3	6	571	58	135	577	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	3	335	0	15	3	6	571	58	135	577	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	73	3	335	0	15	3	6	571	58	135	577	11
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.97	0.95
Lanes:	1.00	0.02	1.98	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.96	0.04
Final Sat.:	1750	32	3568	1750	1900	1750	1750	5700	1750	3150	3631	69
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.09	0.00	0.01	0.00	0.00	0.10	0.03	0.04	0.16	0.16
Crit Moves:	****				****		****				****	
Green Time:	7.5	17.5	32.1	0.0	10.0	10.0	7.0	20.9	20.9	14.6	28.5	28.5
Volume/Cap:	0.36	0.35	0.19	0.00	0.05	0.01	0.03	0.31	0.10	0.19	0.36	0.36
Delay/Veh:	31.5	20.2	9.4	0.0	23.8	23.4	26.3	17.1	15.8	21.0	12.8	12.8
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:	31.5	20.2	9.4	0.0	23.8	23.4	26.3	17.1	15.8	21.0	12.8	12.8
HCM2k95th:	4	6	4	0	1	0	0	7	2	3	8	8

Cochrane Road PUD

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

Intersection #3: Sutter / Cochrane

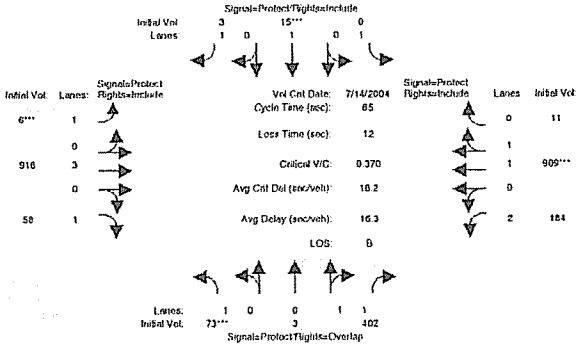


Street Name:	Sutter						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 14 Jul 2004 << 4:45PM												
Base Vol:	73	3	335	0	15	3	6	571	58	135	577	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	73	3	335	0	15	3	6	571	58	135	577	11
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	53	0	0	0	0	107	0	35	89	0
Initial Fut:	73	3	388	0	15	3	6	678	58	170	666	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	3	388	0	15	3	6	678	58	170	666	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	3	388	0	15	3	6	678	58	170	666	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	73	3	388	0	15	3	6	678	58	170	666	11
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.97	0.95
Lanes:	1.00	0.02	1.98	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.97	0.03
Final Sat.:	1750	28	3572	1750	1900	1750	1750	5700	1750	3150	3640	60
Capacity Analysis Module:												
Vol/Sat:	0.04	0.11	0.11	0.00	0.01	0.00	0.00	0.12	0.03	0.05	0.18	0.18
Crit Moves:	****				****		****				****	
Green Time:	7.0	17.0	31.8	0.0	10.0	10.0	7.0	21.2	21.2	14.8	29.0	29.0
Volume/Cap:	0.39	0.42	0.22	0.00	0.05	0.01	0.03	0.37	0.10	0.24	0.41	0.41
Delay/Veh:	32.9	21.2	9.8	0.0	23.8	23.4	26.3	17.3	15.6	21.2	13.0	13.0
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	21.2	9.8	0.0	23.8	23.4	26.3	17.3	15.6	21.2	13.0	13.0
HCM2k95th:	4	8	5	0	1	0	0	8	2	4	10	9

Cochrane Road PUD

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

Intersection #3: Sutter / Cochrane

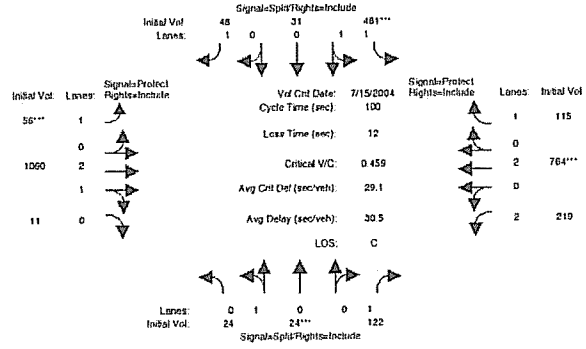


Street Name:	Sutter						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 14 Jul 2004 << 4:45PM												
Base Vol:	73	3	335	0	15	3	6	571	58	135	577	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	73	3	335	0	15	3	6	571	58	135	577	11
Added Vol:	0	0	14	0	0	0	0	238	0	14	243	0
ATI:	0	0	53	0	0	0	0	107	0	35	89	0
Initial Fut:	73	3	402	0	15	3	6	916	58	184	909	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	3	402	0	15	3	6	916	58	184	909	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	3	402	0	15	3	6	916	58	184	909	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	73	3	402	0	15	3	6	916	58	184	909	11
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92	0.83	0.97	0.95
Lanes:	1.00	0.01	1.99	1.00	1.00	1.00	1.00	3.00	1.00	2.00	1.98	0.02
Final Sat.:	1750	27	3573	1750	1900	1750	1750	5700	1750	3150	3656	44
Capacity Analysis Module:												
Vol/Sat:	0.04	0.11	0.11	0.00	0.01	0.00	0.00	0.16	0.03	0.06	0.25	0.25
Crit Moves:	****				****		****				****	
Green Time:	7.0	17.0	31.4	0.0	10.0	10.0	7.0	21.6	21.6	14.4	29.0	29.0
Volume/Cap:	0.39	0.43	0.23	0.00	0.05	0.01	0.03	0.48	0.10	0.26	0.56	0.56
Delay/Veh:	32.9	21.4	10.1	0.0	23.8	23.4	26.3	18.2	15.4	21.8	14.6	14.6
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:	32.9	21.4	10.1	0.0	23.8	23.4	26.3	18.2	15.4	21.8	14.6	14.6
HCM2k95th:	4	8	5	0	1	0	0	10	2	4	13	13

Cochrane Road PUD

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

Intersection #4: Cochrane Plaza / Cochrane

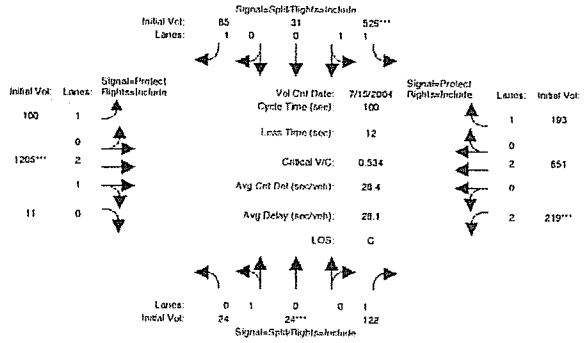


Street Name:	Cochrane Plaza						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 15 Jul 2004 << 4:30PM												
Base Vol:	24	24	122	481	31	46	56	1060	11	219	764	115
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	24	122	481	31	46	56	1060	11	219	764	115
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:	24	24	122	481	31	46	56	1060	11	219	764	115
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	24	122	481	31	46	56	1060	11	219	764	115
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	24	122	481	31	46	56	1060	11	219	764	115
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	24	122	481	31	46	56	1060	11	219	764	115
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.50	0.50	1.00	1.88	0.12	1.00	1.00	2.97	0.03	2.00	2.00	1.00
Final Sat.:	900	900	1750	3335	215	1750	1750	5542	58	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.07	0.14	0.14	0.03	0.03	0.19	0.19	0.07	0.20	0.07
Crit Moves:		****		****			****				****	
Green Time:	13.6	13.6	13.6	28.2	28.2	28.2	7.0	33.9	33.9	12.4	39.2	39.2
Volume/Cap:	0.20	0.20	0.51	0.51	0.51	0.09	0.46	0.56	0.56	0.56	0.51	0.17
Delay/Veh:	40.1	40.1	47.8	32.0	32.0	26.9	56.5	28.3	28.3	47.0	24.4	20.3
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:	40.1	40.1	47.8	32.0	32.0	26.9	56.5	28.3	28.3	47.0	24.4	20.3
HCM2k95th:	3	3	8	13	13	3	5	16	16	8	16	5

Cochrane Road PUD

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

Intersection #4: Cochrane Plaza / Cochrane



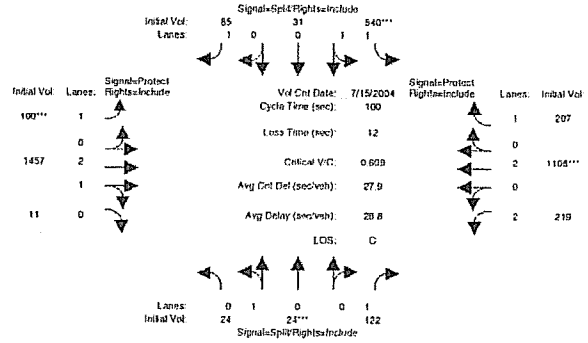
Street Name:	Cochrane Plaza						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 15 Jul 2004 << 4:30PM												
Base Vol:	24	24	122	481	31	46	56	1060	11	219	764	115
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	24	122	481	31	46	56	1060	11	219	764	115
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	45	0	39	44	145	0	0	87	78
Initial Fut:	24	24	122	526	31	85	100	1205	11	219	851	193
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	24	122	526	31	85	100	1205	11	219	851	193
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	24	122	526	31	85	100	1205	11	219	851	193
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	24	122	526	31	85	100	1205	11	219	851	193
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.50	0.50	1.00	1.89	0.11	1.00	1.00	2.97	0.03	2.00	2.00	1.00
Final Sat.:	900	900	1750	3352	198	1750	1750	5549	51	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.07	0.16	0.16	0.05	0.06	0.22	0.22	0.07	0.22	0.11
Crit Moves:		****		****				****		****		
Green Time:	13.0	13.0	13.0	29.4	29.4	29.4	12.8	40.6	40.6	13.0	40.9	40.9
Volume/Cap:	0.20	0.20	0.53	0.53	0.53	0.17	0.45	0.53	0.53	0.53	0.55	0.27
Delay/Veh:	40.8	40.8	49.3	31.6	31.6	26.9	46.7	23.4	23.4	45.6	23.9	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:	40.8	40.8	49.3	31.6	31.6	26.9	46.7	23.4	23.4	45.6	23.9	20.6
HCM2k95th:	3	3	9	14	14	4	7	17	16	8	18	8

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #4: Cochrane Plaza / Cochrane



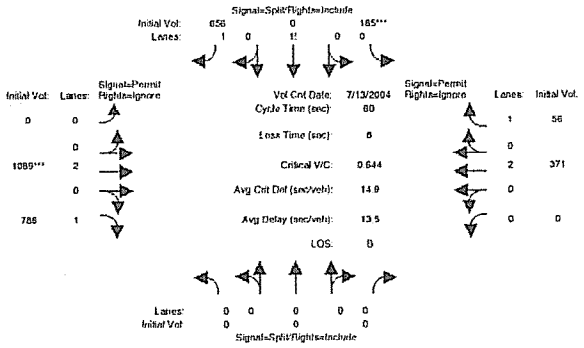
Street Name:	Cochrane Plaza						Cochrane Rd					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 15 Jul 2004 << 4:30PM												
Base Vol:	24	24	122	481	31	46	56	1060	11	219	764	115
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	24	122	481	31	46	56	1060	11	219	764	115
Added Vol:	0	0	0	14	0	0	0	252	0	0	257	14
ATI:	0	0	0	45	0	39	44	145	0	0	87	78
Initial Fut:	24	24	122	540	31	85	100	1457	11	219	1108	207
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	24	122	540	31	85	100	1457	11	219	1108	207
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	24	122	540	31	85	100	1457	11	219	1108	207
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	24	122	540	31	85	100	1457	11	219	1108	207
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.93	0.95	0.92	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	0.50	0.50	1.00	1.89	0.11	1.00	1.00	2.98	0.02	2.00	2.00	1.00
Final Sat.:	900	900	1750	3357	193	1750	1750	5558	42	3150	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.07	0.16	0.16	0.05	0.06	0.26	0.26	0.07	0.29	0.12
Crit Moves:		****		****			****				****	
Green Time:	11.4	11.4	11.4	26.4	26.4	26.4	9.4	45.2	45.2	12.1	47.9	47.9
Volume/Cap:	0.23	0.23	0.61	0.61	0.61	0.18	0.61	0.58	0.58	0.58	0.61	0.25
Delay/Veh:	42.9	42.9	55.2	35.2	35.2	29.3	59.3	21.4	21.4	47.8	20.7	16.1
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:	42.9	42.9	55.2	35.2	35.2	29.3	59.3	21.4	21.4	47.8	20.7	16.1
HCM2k95th:	4	4	9	15	15	5	8	19	19	8	22	8

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #5: Hwy 101 (S) / Cochrane

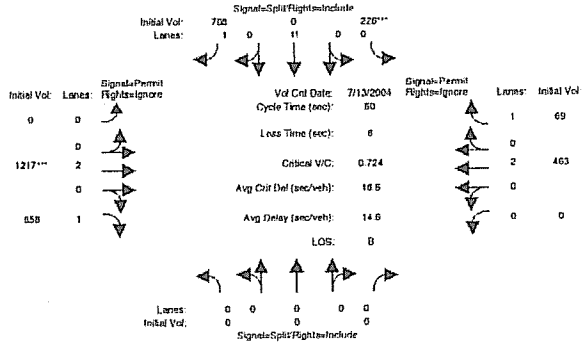


Street Name:	Hwy 101 (S)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	10	0	10	0	10	10	0	10	10
Volume Module: >> Count Date: 13 Jul 2004 << 4:30PM												
Base Vol:	0	0	0	185	0	656	0	1089	786	0	371	56
Growth Adj:	1.00	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	185	0	656	0	1089	786	0	371	56
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	185	0	656	0	1089	786	0	371	56
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:	0	0	0	185	0	656	0	1089	0	0	371	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	185	0	656	0	1089	0	0	371	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
Final Vol.:	0	0	0	185	0	656	0	1089	0	0	371	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:	0.00	0.00	0.00	0.36	0.00	1.64	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	631	0	2869	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.29	0.00	0.23	0.00	0.29	0.00	0.00	0.10	0.00
Crit Moves:				****				****				
Green Time:	0.0	0.0	0.0	27.3	0.0	27.3	0.0	26.7	0.0	0.0	26.7	0.0
Volume/Cap:	0.00	0.00	0.00	0.64	0.00	0.50	0.00	0.64	0.00	0.00	0.22	0.00
Delay/Veh:	0.0	0.0	0.0	15.1	0.0	12.6	0.0	14.9	0.0	0.0	10.5	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	15.1	0.0	12.6	0.0	14.9	0.0	0.0	10.5	0.0
HCM2k95th:	0	0	0	15	0	11	0	16	0	0	5	0

Cochrane Road PUD

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

Intersection #5: Hwy 101 (S) / Cochrane

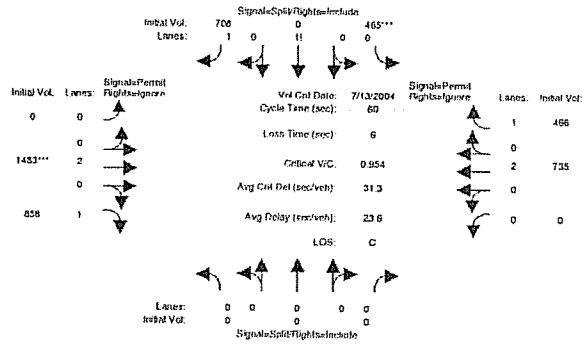


Street Name:	Hwy 101 (S)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	10	0	10	0	10	10	0	10	10
Volume Module: >> Count Date: 13 Jul 2004 << 4:30PM												
Base Vol:	0	0	0	185	0	656	0	1089	786	0	371	56
Growth Adj:	1.00	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	185	0	656	0	1089	786	0	371	56
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	41	0	52	0	128	72	0	92	13
Initial Fut:	0	0	0	226	0	708	0	1217	858	0	463	69
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:	0	0	0	226	0	708	0	1217	0	0	463	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	226	0	708	0	1217	0	0	463	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
Final Vol.:	0	0	0	226	0	708	0	1217	0	0	463	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:	0.00	0.00	0.00	0.39	0.00	1.61	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	682	0	2818	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.33	0.00	0.25	0.00	0.32	0.00	0.00	0.12	0.00
Crit Moves:				****				****				
Green Time:	0.0	0.0	0.0	27.5	0.0	27.5	0.0	26.5	0.0	0.0	26.5	0.0
Volume/Cap:	0.00	0.00	0.00	0.72	0.00	0.55	0.00	0.72	0.00	0.00	0.28	0.00
Delay/Veh:	0.0	0.0	0.0	16.8	0.0	13.1	0.0	16.5	0.0	0.0	11.0	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	16.8	0.0	13.1	0.0	16.5	0.0	0.0	11.0	0.0
HCM2k95th:	0	0	0	18	0	12	0	18	0	0	6	0

Cochrane Road PUD

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

Intersection #5: Hwy 101 (S) / Cochrane



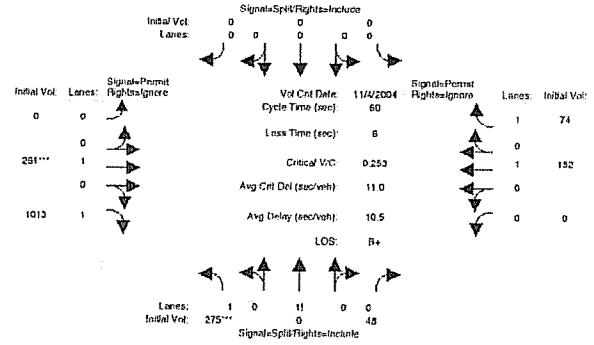
Street Name:	Hwy 101 (S)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	10	0	10	0	10	10	0	10	10
Volume Module: >> Count Date: 13 Jul 2004 << 4:30PM												
Base Vol:	0	0	0	185	0	656	0	1089	786	0	371	56
Growth Adj:	1.00	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	185	0	656	0	1089	786	0	371	56
Added Vol:	0	0	0	139	0	0	0	266	0	0	272	297
ATI/DL:	0	0	0	141	0	52	0	128	72	0	92	113
Initial Fut:	0	0	0	465	0	708	0	1483	858	0	735	466
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:	0	0	0	465	0	708	0	1483	0	0	735	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	465	0	708	0	1483	0	0	735	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
Final Vol.:	0	0	0	465	0	708	0	1483	0	0	735	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:	0.00	0.00	0.00	0.57	0.00	1.43	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	994	0	2506	0	3800	1750	0	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.47	0.00	0.28	0.00	0.39	0.00	0.00	0.19	0.00
Crit Moves:				****				****				
Green Time:	0.0	0.0	0.0	29.4	0.0	29.4	0.0	24.6	0.0	0.0	24.6	0.0
Volume/Cap:	0.00	0.00	0.00	0.95	0.00	0.58	0.00	0.95	0.00	0.00	0.47	0.00
Delay/Veh:	0.0	0.0	0.0	31.3	0.0	12.0	0.0	31.3	0.0	0.0	14.0	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	31.3	0.0	12.0	0.0	31.3	0.0	0.0	14.0	0.0
HCM2k95th:	0	0	0	34	0	13	0	32	0	0	10	0

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #6: Hwy 101 (N) / Cochrane



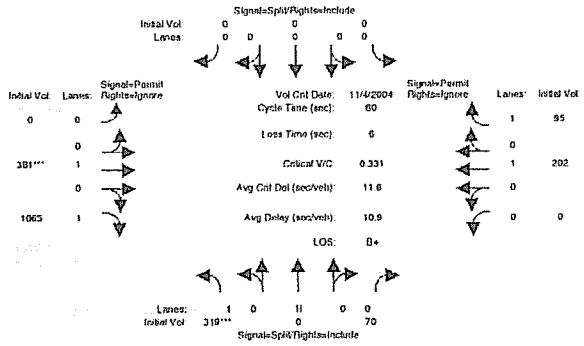
Street Name:	Hwy 101 (N)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM												
Base Vol:	275	0	48	0	0	0	0	261	1013	0	152	74
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	275	0	48	0	0	0	0	261	1013	0	152	74
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:	275	0	48	0	0	0	0	261	1013	0	152	74
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:	275	0	48	0	0	0	0	261	0	0	152	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	275	0	48	0	0	0	0	261	0	0	152	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
Final Vol.:	275	0	48	0	0	0	0	261	0	0	152	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:	1.74	0.00	0.26	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	3047	0	453	0	0	0	0	1900	1750	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.00	0.11	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.08	0.00
Crit Moves:	****							****				
Green Time:	23.5	0.0	23.5	0.0	0.0	0.0	0.0	30.5	0.0	0.0	30.5	0.0
Volume/Cap:	0.23	0.00	0.27	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.16	0.00
Delay/Veh:	12.6	0.0	13.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	8.2	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:	12.6	0.0	13.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	8.2	0.0
HCM2k95th:	5	0	5	0	0	0	0	6	0	0	4	0

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #6: Hwy 101 (N) / Cochrane

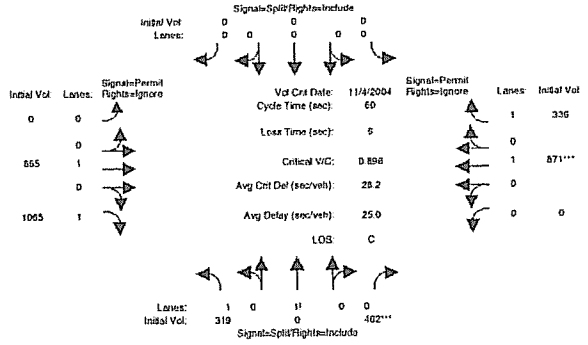


Street Name:	Hwy 101 (N)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	10	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM												
Base Vol:	275	0	48	0	0	0	0	261	1013	0	152	74
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	275	0	48	0	0	0	0	261	1013	0	152	74
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	44	0	22	0	0	0	0	100	52	0	50	21
Initial Fut:	319	0	70	0	0	0	0	361	1065	0	202	95
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:	319	0	70	0	0	0	0	361	0	0	202	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	319	0	70	0	0	0	0	361	0	0	202	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
Final Vol.:	319	0	70	0	0	0	0	361	0	0	202	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:	1.69	0.00	0.31	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	2966	0	534	0	0	0	0	1900	1750	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.11	0.00	0.13	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.11	0.00
Crit Moves:	****							****				
Green Time:	22.1	0.0	22.1	0.0	0.0	0.0	0.0	31.9	0.0	0.0	31.9	0.0
Volume/Cap:	0.29	0.00	0.36	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.20	0.00
Delay/Veh:	14.0	0.0	14.7	0.0	0.0	0.0	0.0	9.1	0.0	0.0	7.8	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:	14.0	0.0	14.7	0.0	0.0	0.0	0.0	9.1	0.0	0.0	7.8	0.0
HCM2k95th:	6	0	7	0	0	0	0	8	0	0	5	0

Cochrane Road PUD

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

Intersection #6: Hwy 101 (N) / Cochrane

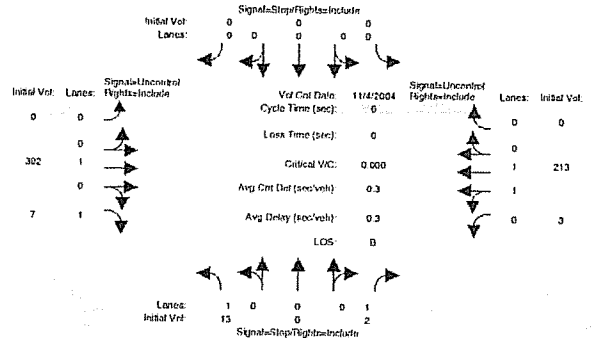


Street Name:	Hwy 101 (N)						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	10	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM												
Base Vol:	275	0	48	0	0	0	0	261	1013	0	152	74
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	275	0	48	0	0	0	0	261	1013	0	152	74
Added Vol:	0	0	292	0	0	0	0	404	0	0	569	141
ATI/DL:	44	0	122	0	0	0	0	200	52	0	150	121
Initial Fut:	319	0	462	0	0	0	0	865	1065	0	871	336
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:	319	0	462	0	0	0	0	865	0	0	871	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	319	0	462	0	0	0	0	865	0	0	871	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
Final Vol.:	319	0	462	0	0	0	0	865	0	0	871	0
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:	1.26	0.00	0.74	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	2209	0	1328	0	0	0	0	1900	1750	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.14	0.00	0.35	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.46	0.00
Crit Moves:			****								****	
Green Time:	23.3	0.0	23.3	0.0	0.0	0.0	0.0	30.7	0.0	0.0	30.7	0.0
Volume/Cap:	0.37	0.00	0.90	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.90	0.00
Delay/Veh:	13.6	0.0	30.9	0.0	0.0	0.0	0.0	25.1	0.0	0.0	25.8	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:	13.6	0.0	30.9	0.0	0.0	0.0	0.0	25.1	0.0	0.0	25.8	0.0
HCM2k95th:	8	0	25	0	0	0	0	30	0	0	31	0

Cochrane Road PUD

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

Intersection #7: DePaul / Cochrane

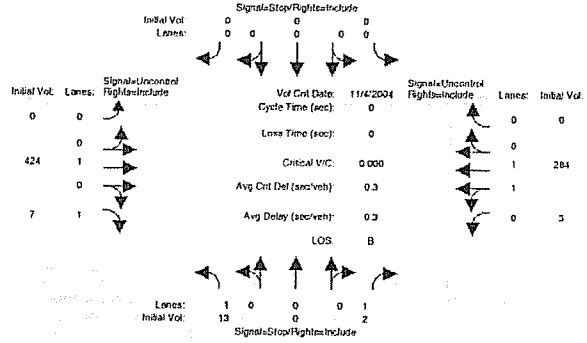



```
Street Name:                DePaul                          Cochrane
Approach:       North Bound     South Bound     East Bound      West Bound
Movement:        L  -  T  -  R   L  -  T  -  R   L  -  T  -  R   L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM
Base Vol:       13     0     2     0     0     0     0   302     7     3   213     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:    13     0     2     0     0     0     0   302     7     3   213     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:    13     0     2     0     0     0     0   302     7     3   213     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:     13     0     2     0     0     0     0   302     7     3   213     0
Reduct Vol:      0     0     0     0     0     0     0     0     0     0     0     0
Final Vol.:     13     0     2     0     0     0     0   302     7     3   213     0
Critical Gap Module:
Critical Gp:   6.4  xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:   3.5  xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   414  xxxx   302  xxxx xxxx xxxxx  xxxx xxxx xxxxx   309 xxxx xxxxx
Potent Cap.:   598  xxxx   742  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1263 xxxx xxxxx
Move Cap.:     597  xxxx   742  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1263 xxxx xxxxx
Volume/Cap:   0.02  xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.00 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
Queue:          0.1  xxxx   0.0 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.0 xxxx xxxxx
Stopped Del:   11.2  xxxx   9.9 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   7.9 xxxx xxxxx
LOS by Move:    B     *     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 xxxxx xxxx xxxxx   0.0 xxxx xxxxx
Shrd StpDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   7.9 xxxx xxxxx
Shared LOS:     *     *     *     *     *     *     *     *     *     A     *     *
ApproachDel:        11.0          xxxxxx          xxxxxx          xxxxxx
ApproachLOS:          B               *               *               *
```


Cochrane Road PUD

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

Intersection #7: DePaul / Cochrane

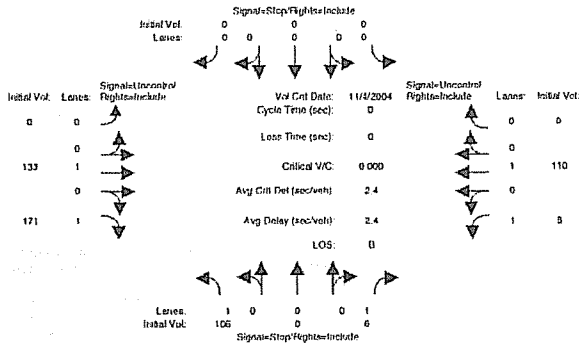



```
Street Name:                DePaul                          Cochrane
Approach:       North Bound     South Bound     East Bound      West Bound
Movement:        L  -  T  -  R   L  -  T  -  R   L  -  T  -  R   L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM
Base Vol:       13     0     2     0     0     0     0   302     7     3   213     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:    13     0     2     0     0     0     0   302     7     3   213     0
Added Vol:       0     0     0     0     0     0     0     0     0     0     0     0
ATI:             0     0     0     0     0     0     0   122     0     0    71     0
Initial Fut:    13     0     2     0     0     0     0   424     7     3   284     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:     13     0     2     0     0     0     0   424     7     3   284     0
Reduct Vol:      0     0     0     0     0     0     0     0     0     0     0     0
Final Vol.:     13     0     2     0     0     0     0   424     7     3   284     0
Critical Gap Module:
Critical Gp:   6.4  xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:   3.5  xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:   572  xxxx   424  xxxx xxxx xxxxx  xxxx xxxx xxxxx   431 xxxx xxxxx
Potent Cap.:   485  xxxx   634  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1139 xxxx xxxxx
Move Cap.:     484  xxxx   634  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1139 xxxx xxxxx
Volume/Cap:   0.03  xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.00 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
Queue:          0.1  xxxx   0.0 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.0 xxxx xxxxx
Stopped Del:   12.6  xxxx  10.7 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.2 xxxx xxxxx
LOS by Move:    B     *     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 xxxxx xxxx xxxxx   0.0 xxxx xxxxx
Shrd StpDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.2 xxxx xxxxx
Shared LOS:     *     *     *     *     *     *     *     *     *     A     *     *
ApproachDel:        12.4          xxxxxx          xxxxxx          xxxxxx
ApproachLOS:          B               *               *               *
```

Cochrane Road PUD

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

Intersection #8: Mission View / Cochrane

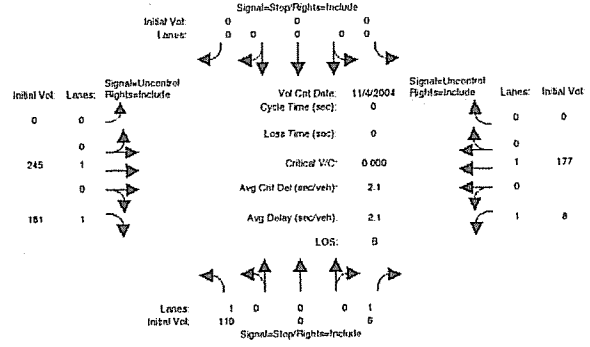



```
Street Name:          Mission View                    Cochrane
Approach:       North Bound     South Bound     East Bound      West Bound
Movement:     L  -  T  -  R   L  -  T  -  R   L  -  T  -  R   L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM
Base Vol:     106   0   6     0   0   0     0 133 171     8 110   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:  106   0   6     0   0   0     0 133 171     8 110   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:  106   0   6     0   0   0     0 133 171     8 110   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:   106   0   6     0   0   0     0 133 171     8 110   0
Reduct Vol:     0   0   0     0   0   0     0   0   0     0   0   0
Final Vol.:   106   0   6     0   0   0     0 133 171     8 110   0
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  259 xxxx   133  xxxx xxxx xxxxx  xxxx xxxx xxxxx   304 xxxx xxxxx
Potent Cap.:  734 xxxx   922  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1268 xxxx xxxxx
Move Cap.:    731 xxxx   922  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1268 xxxx xxxxx
Volume/Cap:  0.15 xxxx  0.01  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.01 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
Queue:        0.5 xxxx   0.0 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.0 xxxx xxxxx
Stopped Del: 10.8 xxxx   8.9 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   7.9 xxxx xxxxx
LOS by Move:   B    *     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 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd StpDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:    *    *     *     *    *    *     *    *    *     *    *    *
ApproachDel:       10.7          xxxxxx          xxxxxx          xxxxxx
ApproachLOS:        B              *               *               *
```


Cochrane Road PUD

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

Intersection #8: Mission View / Cochrane

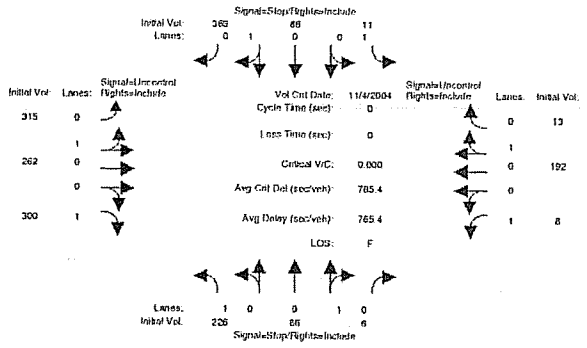



```
Street Name:          Mission View                    Cochrane
Approach:       North Bound     South Bound     East Bound      West Bound
Movement:     L  -  T  -  R   L  -  T  -  R   L  -  T  -  R   L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM
Base Vol:     106   0   6     0   0   0     0 133 171     8 110   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:  106   0   6     0   0   0     0 133 171     8 110   0
Added Vol:      0   0   0     0   0   0     0   0   0     0   0   0
ATI:            4   0   0     0   0   0     0 112  10     0  67   0
Initial Fut:  110   0   6     0   0   0     0 245 181     8 177   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:   110   0   6     0   0   0     0 245 181     8 177   0
Reduct Vol:     0   0   0     0   0   0     0   0   0     0   0   0
Final Vol.:   110   0   6     0   0   0     0 245 181     8 177   0
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol:  438 xxxx   245  xxxx xxxx xxxxx  xxxx xxxx xxxxx   426 xxxx xxxxx
Potent Cap.:  580 xxxx   799  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1144 xxxx xxxxx
Move Cap.:    577 xxxx   799  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1144 xxxx xxxxx
Volume/Cap:  0.19 xxxx  0.01  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.01 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
Queue:        0.7 xxxx   0.0 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   0.0 xxxx xxxxx
Stopped Del: 12.7 xxxx   9.5 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.2 xxxx xxxxx
LOS by Move:   B    *     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 xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd StpDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:    *    *     *     *    *    *     *    *    *     *    *    *
ApproachDel:       12.5          xxxxxx          xxxxxx          xxxxxx
ApproachLOS:        B              *               *               *
```

Cochrane Road PUD

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

Intersection #8: Miasion View / Cochrane

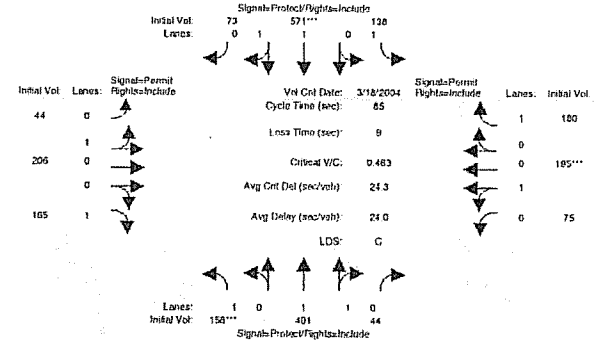


Street Name:	Mission View						Cochrane					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Volume Module: >> Count Date: 4 Nov 2004 << 4:30PM												
Base Vol:	106	0	6	0	0	0	0	133	171	8	110	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	106	0	6	0	0	0	0	133	171	8	110	0
Added Vol:	116	86	0	11	86	289	245	17	119	0	15	13
ATI/DL:	4	0	0	0	0	80	70	112	10	0	67	0
Initial Fut:	226	86	6	11	86	369	315	262	300	8	192	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:	226	86	6	11	86	369	315	262	300	8	192	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	226	86	6	11	86	369	315	262	300	8	192	13
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	1334	1113	262	1303	1407	199	205	xxxx	xxxxx	562	xxxx	xxxxx
Potent Cap.:	132	210	782	139	140	848	1378	xxxx	xxxxx	1019	xxxx	xxxxx
Move Cap.:	17	151	782	61	101	848	1378	xxxx	xxxxx	1019	xxxx	xxxxx
Volume/Cap:	13.24	0.57	0.01	0.18	0.85	0.44	0.23	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	29.0	xxxx	xxxxx	0.6	xxxx	xxxxx	0.9	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	5944	xxxx	xxxxx	77.0	xxxx	xxxxx	8.4	xxxx	xxxxx	8.6	xxxx	xxxxx
LOS by Move:	F	*	*	F	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	159	xxxx	xxxx	353	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	3.0	xxxxx	xxxx	20.9	0.9	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	54.7	xxxxx	xxxx	181.0	8.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	F	*	*	F	A	*	*	*	*	*
ApproachDel:	4240.3			178.6			xxxxxx			xxxxxx		
ApproachLOS:	F			F			*			*		

Cochrane Road PUD

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

Intersection #9: Monterey / Main

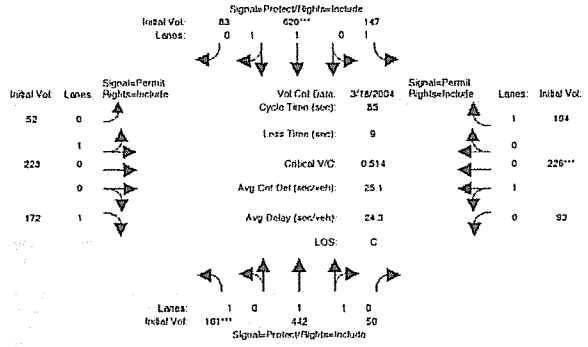


Street Name:	Monterey						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 4:15PM												
Base Vol:	158	401	44	138	571	73	44	206	165	75	195	180
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	158	401	44	138	571	73	44	206	165	75	195	180
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:	158	401	44	138	571	73	44	206	165	75	195	180
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	158	401	44	138	571	73	44	206	165	75	195	180
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	158	401	44	138	571	73	44	206	165	75	195	180
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	158	401	44	138	571	73	44	206	165	75	195	180
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.95	0.95	0.92	0.95	0.95	0.92
Lanes:	1.00	1.80	0.20	1.00	1.77	0.23	0.18	0.82	1.00	0.28	0.72	1.00
Final Sat.:	1750	3334	366	1750	3280	419	317	1483	1750	500	1300	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.12	0.12	0.08	0.17	0.17	0.14	0.14	0.09	0.15	0.15	0.10
Crit Moves:	****				****						****	
Green Time:	16.6	28.8	28.8	19.7	31.9	31.9	27.5	27.5	27.5	27.5	27.5	27.5
Volume/Cap:	0.46	0.36	0.36	0.34	0.46	0.46	0.43	0.43	0.29	0.46	0.46	0.32
Delay/Veh:	34.8	21.9	21.9	29.5	21.2	21.2	24.9	24.9	22.8	25.5	25.5	23.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	34.8	21.9	21.9	29.5	21.2	21.2	24.9	24.9	22.8	25.5	25.5	23.1
HCM2k95th:	8	9	9	7	12	12	10	10	7	11	11	8

Cochrane Road PUD

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

Intersection #9: Monterey / Main

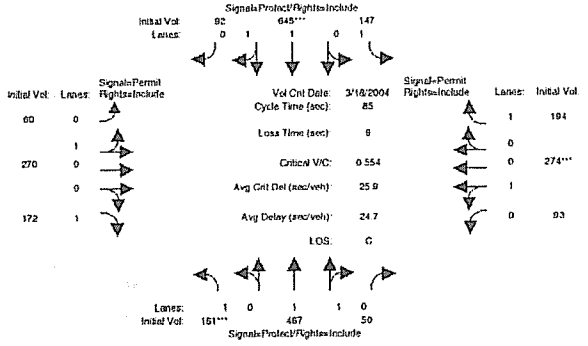


Street Name:	Monterey						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 4:15PM												
Base Vol:	158	401	44	138	571	73	44	206	165	75	195	180
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	158	401	44	138	571	73	44	206	165	75	195	180
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	3	41	6	9	49	10	8	17	7	18	31	14
Initial Fut:	161	442	50	147	620	83	52	223	172	93	226	194
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	161	442	50	147	620	83	52	223	172	93	226	194
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	161	442	50	147	620	83	52	223	172	93	226	194
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	161	442	50	147	620	83	52	223	172	93	226	194
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.95	0.95	0.92	0.95	0.95	0.92
Lanes:	1.00	1.79	0.21	1.00	1.76	0.24	0.19	0.81	1.00	0.29	0.71	1.00
Final Sat.:	1750	3324	376	1750	3263	437	340	1460	1750	525	1275	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.13	0.13	0.08	0.19	0.19	0.15	0.15	0.10	0.18	0.18	0.11
Crit Moves:	****				****						****	
Green Time:	15.2	28.6	28.6	18.1	31.4	31.4	29.3	29.3	29.3	29.3	29.3	29.3
Volume/Cap:	0.51	0.40	0.40	0.40	0.51	0.51	0.44	0.44	0.28	0.51	0.51	0.32
Delay/Veh:	37.4	22.5	22.5	31.9	22.2	22.2	23.8	23.8	21.4	25.2	25.2	21.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.4	22.5	22.5	31.9	22.2	22.2	23.8	23.8	21.4	25.2	25.2	21.9
HCM2k95th:	9	10	10	8	14	13	11	11	7	13	13	8

Cochrane Road PUD

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

Intersection #9: Monterey / Main

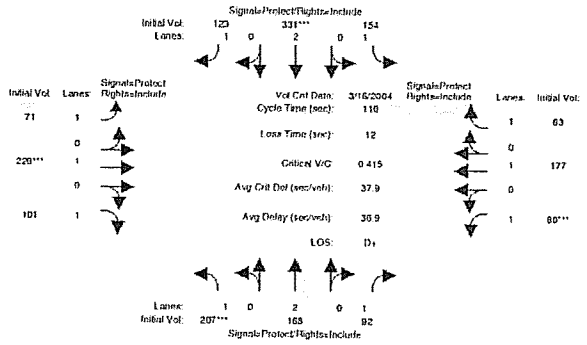


Street Name:	Monterey						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 4:15PM												
Base Vol:	158	401	44	138	571	73	44	206	165	75	195	180
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	158	401	44	138	571	73	44	206	165	75	195	180
Added Vol:	0	25	0	0	25	9	8	47	0	0	48	0
ATI:	3	41	6	9	49	10	8	17	7	18	31	14
Initial Fut:	161	467	50	147	645	92	60	270	172	93	274	194
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	161	467	50	147	645	92	60	270	172	93	274	194
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	161	467	50	147	645	92	60	270	172	93	274	194
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	161	467	50	147	645	92	60	270	172	93	274	194
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.98	0.95	0.95	0.95	0.92	0.95	0.95	0.92
Lanes:	1.00	1.80	0.20	1.00	1.74	0.26	0.18	0.82	1.00	0.25	0.75	1.00
Final Sat.:	1750	3342	358	1750	3238	462	327	1473	1750	456	1344	1750
Capacity Analysis Module:												
Vol/Sat:	0.09	0.14	0.14	0.08	0.20	0.20	0.18	0.18	0.10	0.20	0.20	0.11
Crit Moves:	****				****						****	
Green Time:	14.1	27.9	27.9	16.8	30.6	30.6	31.3	31.3	31.3	31.3	31.3	31.3
Volume/Cap:	0.55	0.43	0.43	0.43	0.55	0.55	0.50	0.50	0.27	0.55	0.55	0.30
Delay/Veh:	40.0	23.4	23.4	33.7	23.4	23.4	23.4	23.4	19.8	24.6	24.6	20.3
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:	40.0	23.4	23.4	33.7	23.4	23.4	23.4	23.4	19.8	24.6	24.6	20.3
HCM2k95th:	9	11	10	8	15	14	13	13	7	15	15	8

Cochrane Road PUD

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

Intersection #10: Butterfield / Main

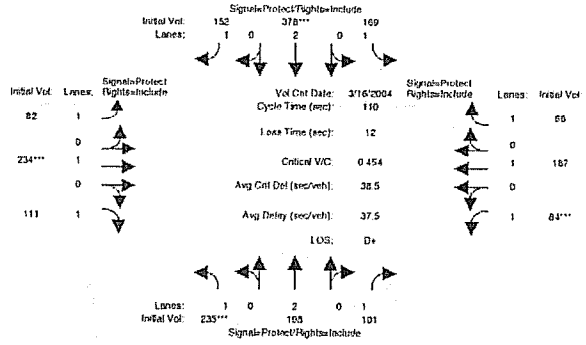


Street Name:	Butterfield						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 16 Mar 2004 << 4:15PM												
Base Vol:	207	168	92	154	331	123	71	226	101	80	177	63
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	207	168	92	154	331	123	71	226	101	80	177	63
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	207	168	92	154	331	123	71	226	101	80	177	63
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	207	168	92	154	331	123	71	226	101	80	177	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	207	168	92	154	331	123	71	226	101	80	177	63
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	207	168	92	154	331	123	71	226	101	80	177	63
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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.12	0.04	0.05	0.09	0.09	0.07	0.04	0.12	0.06	0.05	0.09	0.04
Crit Moves:	****				****			****		****		
Green Time:	31.3	27.6	27.6	26.8	23.1	23.1	17.7	31.5	31.5	12.1	25.9	25.9
Volume/Cap:	0.42	0.18	0.21	0.36	0.42	0.34	0.25	0.42	0.20	0.42	0.40	0.15
Delay/Veh:	34.5	32.7	33.6	36.9	39.2	39.4	42.5	34.1	30.6	52.1	38.1	34.1
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:	34.5	32.7	33.6	36.9	39.2	39.4	42.5	34.1	30.6	52.1	38.1	34.1
HCM2k95th:	11	5	5	9	10	8	5	12	6	6	10	4

Cochrane Road PUD

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

Intersection #10: Butterfield / Main

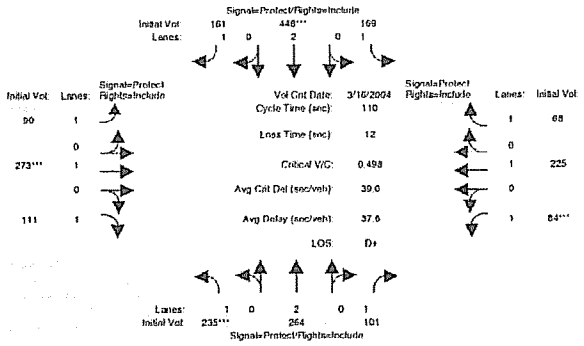


Street Name:	Butterfield						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 16 Mar 2004 << 4:15PM												
Base Vol:	207	168	92	154	331	123	71	226	101	80	177	63
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	207	168	92	154	331	123	71	226	101	80	177	63
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	28	30	9	15	47	29	11	8	10	4	10	5
Initial Fut:	235	198	101	169	378	152	82	234	111	84	187	68
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	235	198	101	169	378	152	82	234	111	84	187	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	235	198	101	169	378	152	82	234	111	84	187	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	235	198	101	169	378	152	82	234	111	84	187	68
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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.13	0.05	0.06	0.10	0.10	0.09	0.05	0.12	0.06	0.05	0.10	0.04
Crit Moves:	****				****			****		****		
Green Time:	32.5	27.4	27.4	29.1	24.1	24.1	16.3	29.8	29.8	11.6	25.2	25.2
Volume/Cap:	0.45	0.21	0.23	0.36	0.45	0.40	0.32	0.45	0.23	0.45	0.43	0.17
Delay/Veh:	34.4	33.2	34.1	35.1	39.1	39.8	45.1	36.2	32.4	54.1	39.4	35.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	34.4	33.2	34.1	35.1	39.1	39.8	45.1	36.2	32.4	54.1	39.4	35.0
HCM2k95th:	12	6	6	9	11	9	6	13	6	7	11	4

Cochrane Road PUD

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

Intersection #10: Butterfield / Main

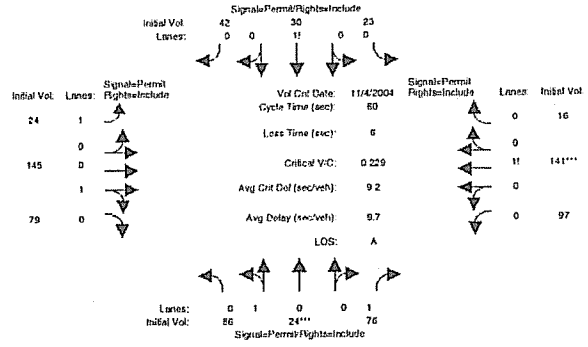


Street Name:	Butterfield						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 16 Mar 2004 << 4:15PM												
Base Vol:	207	168	92	154	331	123	71	226	101	80	177	63
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	207	168	92	154	331	123	71	226	101	80	177	63
Added Vol:	0	66	0	0	68	9	8	39	0	0	38	0
ATI:	28	30	9	15	47	29	11	8	10	4	10	5
Initial Fut:	235	264	101	169	446	161	90	273	111	84	225	68
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	235	264	101	169	446	161	90	273	111	84	225	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	235	264	101	169	446	161	90	273	111	84	225	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	235	264	101	169	446	161	90	273	111	84	225	68
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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	1900	1750	1750	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.13	0.07	0.06	0.10	0.12	0.09	0.05	0.14	0.06	0.05	0.12	0.04
Crit Moves:	****				****			****		****		
Green Time:	29.7	27.0	27.0	28.7	25.9	25.9	14.8	31.8	31.8	10.6	27.6	27.6
Volume/Cap:	0.50	0.28	0.24	0.37	0.50	0.39	0.38	0.50	0.22	0.50	0.47	0.16
Delay/Veh:	37.6	34.4	34.5	35.6	38.4	38.1	48.1	35.7	30.7	57.3	38.4	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:	37.6	34.4	34.5	35.6	38.4	38.1	48.1	35.7	30.7	57.3	38.4	32.9
HCM2k95th:	13	8	6	10	13	9	7	14	6	7	12	4

Cochrane Road PUD

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

Intersection #11: Condit / Main

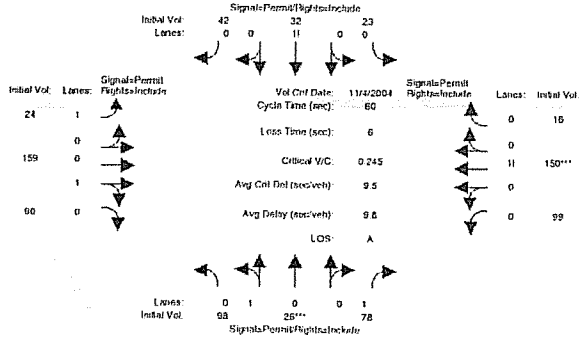


Street Name:	Condit						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 4:45PM												
Base Vol:	86	24	76	23	30	42	24	145	79	97	141	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	86	24	76	23	30	42	24	145	79	97	141	16
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	86	24	76	23	30	42	24	145	79	97	141	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	86	24	76	23	30	42	24	145	79	97	141	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	24	76	23	30	42	24	145	79	97	141	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	86	24	76	23	30	42	24	145	79	97	141	16
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.92	0.92	0.92
Lanes:	0.78	0.22	1.00	0.24	0.32	0.44	1.00	0.65	0.35	0.38	0.56	0.06
Final Sat.:	1407	393	1750	424	553	774	1750	1165	635	668	971	110
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.04	0.05	0.05	0.05	0.01	0.12	0.12	0.15	0.15	0.15
Crit Moves:		****									****	
Green Time:	16.0	16.0	16.0	16.0	16.0	16.0	38.0	38.0	38.0	38.0	38.0	38.0
Volume/Cap:	0.23	0.23	0.16	0.20	0.20	0.20	0.02	0.20	0.20	0.23	0.23	0.23
Delay/Veh:	18.3	18.3	17.6	18.0	18.0	18.0	4.1	5.0	5.0	5.2	5.2	5.2
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:	18.3	18.3	17.6	18.0	18.0	18.0	4.1	5.0	5.0	5.2	5.2	5.2
HCM2k95th:	4	4	3	3	3	3	0	4	4	5	5	5

Cochrane Road PUD

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

Intersection #11: Condit / Main

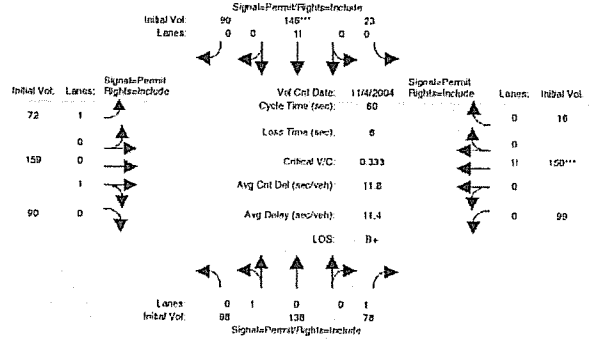


Street Name:	Condit						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 4:45PM												
Base Vol:	86	24	76	23	30	42	24	145	79	97	141	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	86	24	76	23	30	42	24	145	79	97	141	16
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	12	2	2	0	2	0	0	14	11	2	9	0
Initial Fut:	98	26	78	23	32	42	24	159	90	99	150	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	98	26	78	23	32	42	24	159	90	99	150	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	26	78	23	32	42	24	159	90	99	150	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	98	26	78	23	32	42	24	159	90	99	150	16
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.92	0.92	0.92
Lanes:	0.79	0.21	1.00	0.24	0.33	0.43	1.00	0.64	0.36	0.37	0.57	0.06
Final Sat.:	1423	377	1750	415	577	758	1750	1149	651	654	991	106
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.04	0.06	0.06	0.06	0.01	0.14	0.14	0.15	0.15	0.15
Crit Moves:		****									****	
Green Time:	16.9	16.9	16.9	16.9	16.9	16.9	37.1	37.1	37.1	37.1	37.1	37.1
Volume/Cap:	0.24	0.24	0.16	0.20	0.20	0.20	0.02	0.22	0.22	0.24	0.24	0.24
Delay/Veh:	17.8	17.8	16.9	17.3	17.3	17.3	4.5	5.5	5.5	5.7	5.7	5.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	17.8	17.8	16.9	17.3	17.3	17.3	4.5	5.5	5.5	5.7	5.7	5.7
HCM2k95th:	4	4	3	3	3	3	0	5	5	5	5	5

Cochrane Road PUD

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

Intersection #11: Condit / Main

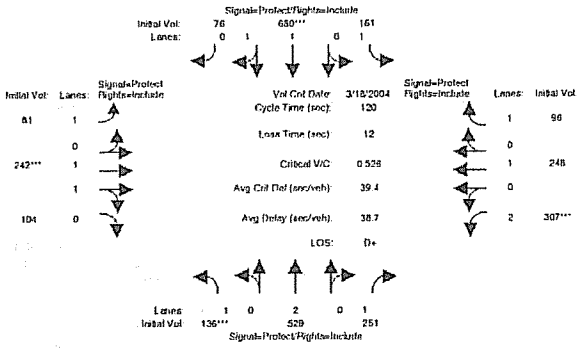


Street Name:	Condit						Main					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Volume Module: >> Count Date: 4 Nov 2004 << 4:45PM												
Base Vol:	86	24	76	23	30	42	24	145	79	97	141	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	86	24	76	23	30	42	24	145	79	97	141	16
Added Vol:	0	112	0	0	114	48	48	0	0	0	0	0
ATI:	12	2	2	0	2	0	0	14	11	2	9	0
Initial Fut:	98	138	78	23	146	90	72	159	90	99	150	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	98	138	78	23	146	90	72	159	90	99	150	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	138	78	23	146	90	72	159	90	99	150	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	98	138	78	23	146	90	72	159	90	99	150	16
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.95	0.95	0.92	0.92	0.92
Lanes:	0.42	0.58	1.00	0.09	0.56	0.35	1.00	0.64	0.36	0.37	0.57	0.06
Final Sat.:	747	1053	1750	155	986	608	1750	1149	651	654	991	106
Capacity Analysis Module:												
Vol/Sat:	0.13	0.13	0.04	0.15	0.15	0.15	0.04	0.14	0.14	0.15	0.15	0.15
Crit Moves:					****						****	
Green Time:	26.7	26.7	26.7	26.7	26.7	26.7	27.3	27.3	27.3	27.3	27.3	27.3
Volume/Cap:	0.29	0.29	0.10	0.33	0.33	0.33	0.09	0.30	0.30	0.33	0.33	0.33
Delay/Veh:	11.6	11.6	9.9	12.0	12.0	12.0	9.5	11.3	11.3	11.6	11.6	11.6
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:	11.6	11.6	9.9	12.0	12.0	12.0	9.5	11.3	11.3	11.6	11.6	11.6
HCM2k95th:	6	6	2	7	7	7	2	7	7	7	7	7

Cochrane Road PUD

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

Intersection #12: Monterey / Dunne

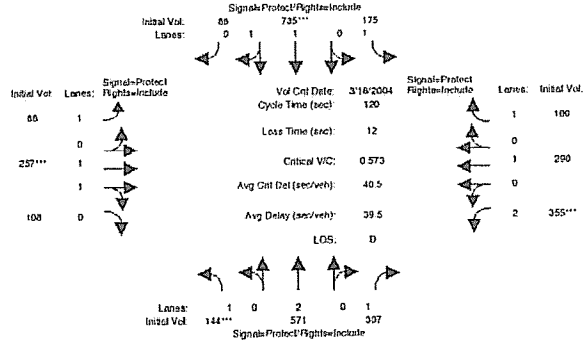


Street Name:	Monterey						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 4:15AM												
Base Vol:	136	529	251	161	680	76	81	242	104	307	248	96
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	136	529	251	161	680	76	81	242	104	307	248	96
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	136	529	251	161	680	76	81	242	104	307	248	96
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	136	529	251	161	680	76	81	242	104	307	248	96
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	136	529	251	161	680	76	81	242	104	307	248	96
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	136	529	251	161	680	76	81	242	104	307	248	96
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.98	0.95	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	1.79	0.21	1.00	1.38	0.62	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3328	372	1750	2587	1112	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.14	0.14	0.09	0.20	0.20	0.05	0.09	0.09	0.10	0.13	0.05
Crit Moves:	****				****			****		****		
Green Time:	17.7	39.2	39.2	25.2	46.7	46.7	13.5	21.4	21.4	22.3	30.1	30.1
Volume/Cap:	0.53	0.43	0.44	0.44	0.53	0.53	0.41	0.53	0.53	0.53	0.52	0.22
Delay/Veh:	54.7	32.6	34.2	45.0	29.6	29.6	55.9	47.7	47.7	47.5	42.7	36.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	54.7	32.6	34.2	45.0	29.6	29.6	55.9	47.7	47.7	47.5	42.7	36.7
HCM2k95th:	10	14	13	11	19	18	7	12	12	11	15	6

Cochrane Road PUD

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

Intersection #12: Monterey / Dunne

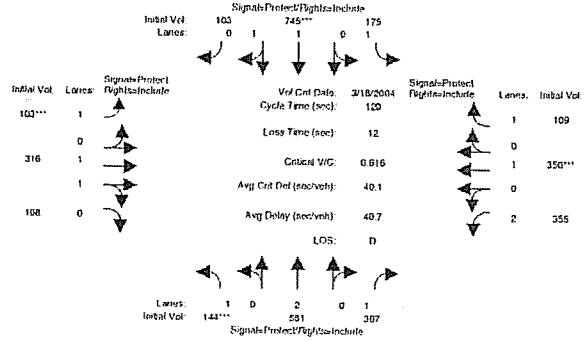


Street Name:	Monterey						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 4:15AM												
Base Vol:	136	529	251	161	680	76	81	242	104	307	248	96
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	136	529	251	161	680	76	81	242	104	307	248	96
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	8	42	56	14	55	12	7	15	4	48	42	13
Initial Fut:	144	571	307	175	735	88	88	257	108	355	290	109
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	144	571	307	175	735	88	88	257	108	355	290	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	144	571	307	175	735	88	88	257	108	355	290	109
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	144	571	307	175	735	88	88	257	108	355	290	109
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.98	0.95	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	1.78	0.22	1.00	1.39	0.61	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3304	396	1750	2604	1094	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.15	0.18	0.10	0.22	0.22	0.05	0.10	0.10	0.11	0.15	0.06
Crit Moves:	****				****			****		****		
Green Time:	17.2	40.6	40.6	23.2	46.5	46.5	12.2	20.6	20.6	23.6	32.0	32.0
Volume/Cap:	0.57	0.44	0.52	0.52	0.57	0.57	0.49	0.57	0.57	0.57	0.57	0.23
Delay/Veh:	57.2	32.0	35.1	49.0	30.6	30.6	60.4	49.4	49.4	47.5	42.7	35.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	57.2	32.0	35.1	49.0	30.6	30.6	60.4	49.4	49.4	47.5	42.7	35.6
HCM2k95th:	11	15	16	12	20	20	8	13	12	12	17	7

Cochrane Road PUD

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

Intersection #12: Monterey / Dunne

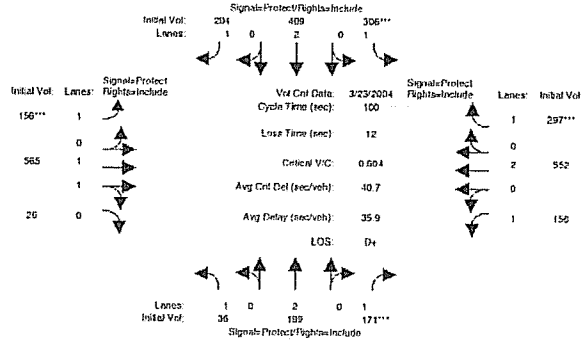


Street Name:	Monterey						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 18 Mar 2004 << 4:15AM												
Base Vol:	136	529	251	161	680	76	81	242	104	307	248	96
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	136	529	251	161	680	76	81	242	104	307	248	96
Added Vol:	0	10	0	0	10	15	15	59	0	0	60	0
ATI:	8	42	56	14	55	12	7	15	4	48	42	13
Initial Fut:	144	581	307	175	745	103	103	316	108	355	350	109
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	144	581	307	175	745	103	103	316	108	355	350	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	144	581	307	175	745	103	103	316	108	355	350	109
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	144	581	307	175	745	103	103	316	108	355	350	109
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	0.98	0.95	0.92	0.98	0.95	0.83	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	1.75	0.25	1.00	1.48	0.52	2.00	1.00	1.00
Final Sat.:	1750	3800	1750	1750	3250	449	1750	2757	942	3150	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.15	0.18	0.10	0.23	0.23	0.06	0.11	0.11	0.11	0.18	0.06
Crit Moves:	****				****		****				****	
Green Time:	16.0	38.6	38.6	22.0	44.6	44.6	11.5	23.9	23.9	23.5	35.9	35.9
Volume/Cap:	0.62	0.47	0.54	0.54	0.62	0.62	0.62	0.58	0.58	0.58	0.62	0.21
Delay/Veh:	60.7	33.9	37.2	50.9	32.8	32.8	68.0	46.8	46.8	47.7	41.1	32.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	60.7	33.9	37.2	50.9	32.8	32.8	68.0	46.8	46.8	47.7	41.1	32.3
HCM2k95th:	11	15	17	12	22	21	9	14	14	12	20	6

Cochrane Road PUD

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

Intersection #13: Butterfield / Dunne

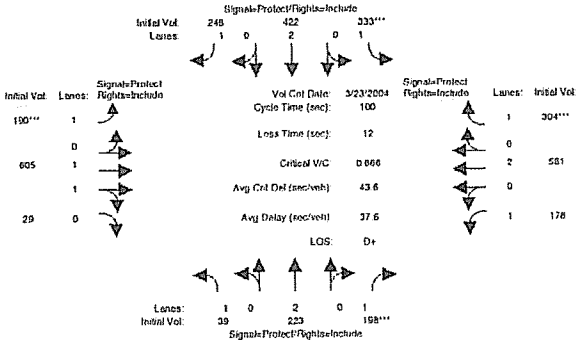


Street Name:	Butterfield						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 23 Mar 2004 << 5:00PM												
Base Vol:	36	199	171	306	409	204	156	565	26	156	552	297
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	199	171	306	409	204	156	565	26	156	552	297
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:	36	199	171	306	409	204	156	565	26	156	552	297
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	199	171	306	409	204	156	565	26	156	552	297
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	199	171	306	409	204	156	565	26	156	552	297
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	36	199	171	306	409	204	156	565	26	156	552	297
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	0.97	0.95	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.91	0.09	1.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	3537	163	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.05	0.10	0.17	0.11	0.12	0.09	0.16	0.16	0.09	0.15	0.17
Crit Moves:			****	****			****					****
Green Time:	16.9	16.2	16.2	29.0	28.2	28.2	14.8	27.5	27.5	15.4	28.1	28.1
Volume/Cap:	0.12	0.32	0.60	0.60	0.38	0.41	0.60	0.58	0.58	0.58	0.52	0.60
Delay/Veh:	36.1	38.5	48.1	35.8	29.9	31.7	49.9	33.7	33.7	48.2	32.0	36.5
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:	36.1	38.5	48.1	35.8	29.9	31.7	49.9	33.7	33.7	48.2	32.0	36.5
HCM2k95th:	2	6	11	16	10	10	11	15	15	10	14	15

Cochrane Road PUD

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

Intersection #13: Butterfield / Dunne

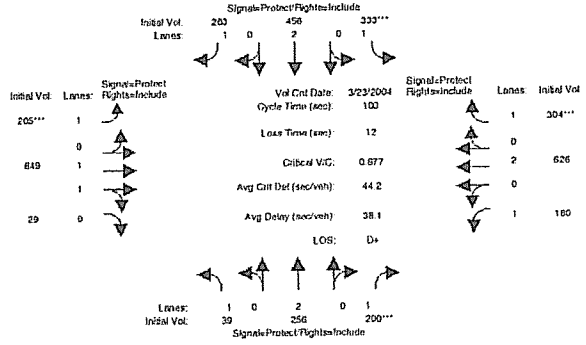


Street Name:	Butterfield						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 23 Mar 2004 << 5:00PM												
Base Vol:	36	199	171	306	409	204	156	565	26	156	552	297
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	199	171	306	409	204	156	565	26	156	552	297
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	3	24	27	27	13	44	34	40	3	22	29	7
Initial Fut:	39	223	198	333	422	248	190	605	29	178	581	304
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	223	198	333	422	248	190	605	29	178	581	304
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	223	198	333	422	248	190	605	29	178	581	304
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	39	223	198	333	422	248	190	605	29	178	581	304
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	0.97	0.95	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.91	0.09	1.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	3531	169	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.06	0.11	0.19	0.11	0.14	0.11	0.17	0.17	0.10	0.15	0.17
Crit Moves:			****	****			****					****
Green Time:	15.1	17.0	17.0	28.6	30.5	30.5	16.3	26.6	26.6	15.8	26.1	26.1
Volume/Cap:	0.15	0.35	0.67	0.67	0.36	0.46	0.67	0.64	0.64	0.64	0.59	0.67
Delay/Veh:	38.1	38.1	50.0	38.3	28.0	31.0	50.9	35.7	35.7	50.5	34.8	40.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.1	38.1	50.0	38.3	28.0	31.0	50.9	35.7	35.7	50.5	34.8	40.5
HCM2k95th:	3	7	13	17	10	12	12	17	16	12	15	16

Cochrane Road PUD

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

Intersection #13: Butterfield / Dunne

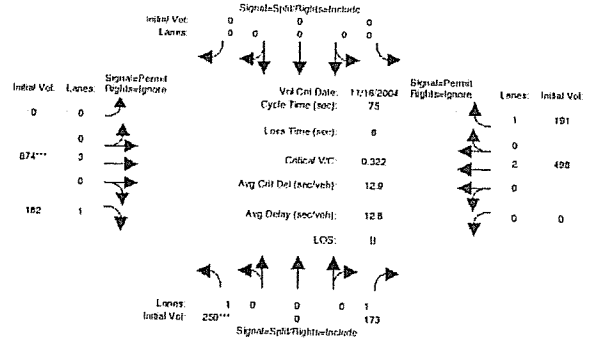


Street Name:	Butterfield						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Volume Module: >> Count Date: 23 Mar 2004 << 5:00PM												
Base Vol:	36	199	171	306	409	204	156	565	26	156	552	297
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	199	171	306	409	204	156	565	26	156	552	297
Added Vol:	0	33	2	0	34	15	15	44	0	2	45	0
ATI:	3	24	27	27	13	44	34	40	3	22	29	7
Initial Fut:	39	256	200	333	456	263	205	649	29	180	626	304
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	39	256	200	333	456	263	205	649	29	180	626	304
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	256	200	333	456	263	205	649	29	180	626	304
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	39	256	200	333	456	263	205	649	29	180	626	304
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	0.97	0.95	0.92	1.00	0.92
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.91	0.09	1.00	2.00	1.00
Final Sat.:	1750	3800	1750	1750	3800	1750	1750	3542	158	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.07	0.11	0.19	0.12	0.15	0.12	0.18	0.18	0.10	0.16	0.17
Crit Moves:			****	****			****					****
Green Time:	14.3	16.9	16.9	28.1	30.7	30.7	17.3	27.5	27.5	15.5	25.7	25.7
Volume/Cap:	0.16	0.40	0.68	0.68	0.39	0.49	0.68	0.67	0.67	0.67	0.64	0.68
Delay/Veh:	38.9	38.9	50.8	39.2	28.3	31.4	50.2	35.6	35.6	52.1	36.3	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:	38.9	38.9	50.8	39.2	28.3	31.4	50.2	35.6	35.6	52.1	36.3	41.4
HCM2k95th:	3	8	13	18	11	13	13	18	17	12	16	17

Cochrane Road PUD

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

Intersection #14: Hwy 101 (N) / Dunne

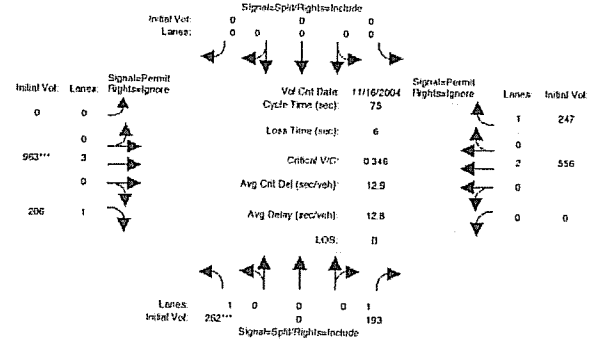


Street Name:	Hwy 101 (N)						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 5:00PM												
Base Vol:	250	0	173	0	0	0	0	874	182	0	498	191
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	250	0	173	0	0	0	0	874	182	0	498	191
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:	250	0	173	0	0	0	0	874	182	0	498	191
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:	250	0	173	0	0	0	0	874	0	0	498	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	250	0	173	0	0	0	0	874	0	0	498	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
Final Vol.:	250	0	173	0	0	0	0	874	0	0	498	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:	0.14	0.00	0.10	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.13	0.00
Crit Moves:	****							****				
Green Time:	33.3	0.0	33.3	0.0	0.0	0.0	0.0	35.7	0.0	0.0	35.7	0.0
Volume/Cap:	0.32	0.00	0.22	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.28	0.00
Delay/Veh:	14.6	0.0	13.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	12.2	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:	14.6	0.0	13.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	12.2	0.0
HCM2k95th:	8	0	6	0	0	0	0	9	0	0	7	0

Cochrane Road PUD

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

Intersection #14: Hwy 101 (N) / Dunne

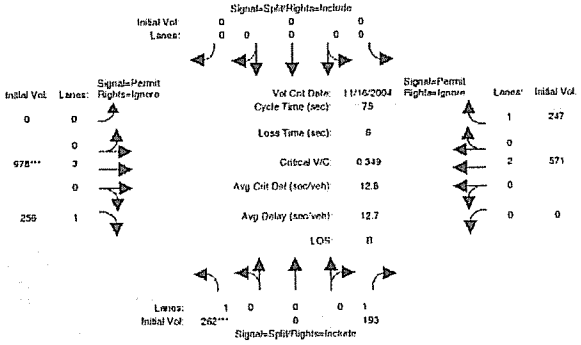


Street Name:	Hwy 101 (N)						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	- T	- R	L	- T	- R	L	- T	- R	L	- T	- R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 5:00PM												
Base Vol:	250	0	173	0	0	0	0	874	182	0	498	191
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	250	0	173	0	0	0	0	874	182	0	498	191
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	12	0	20	0	0	0	0	89	24	0	58	56
Initial Fut:	262	0	193	0	0	0	0	963	206	0	556	247
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:	262	0	193	0	0	0	0	963	0	0	556	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	262	0	193	0	0	0	0	963	0	0	556	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
Final Vol.:	262	0	193	0	0	0	0	963	0	0	556	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:	0.15	0.00	0.11	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.15	0.00
Crit Moves:	****							****				
Green Time:	32.4	0.0	32.4	0.0	0.0	0.0	0.0	36.6	0.0	0.0	36.6	0.0
Volume/Cap:	0.35	0.00	0.26	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.30	0.00
Delay/Veh:	15.5	0.0	14.4	0.0	0.0	0.0	0.0	12.2	0.0	0.0	11.9	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:	15.5	0.0	14.4	0.0	0.0	0.0	0.0	12.2	0.0	0.0	11.9	0.0
HCM2k95th:	8	0	6	0	0	0	0	9	0	0	8	0

Cochrane Road PUD

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

Intersection #14: Hwy 101 (N) / Dunne

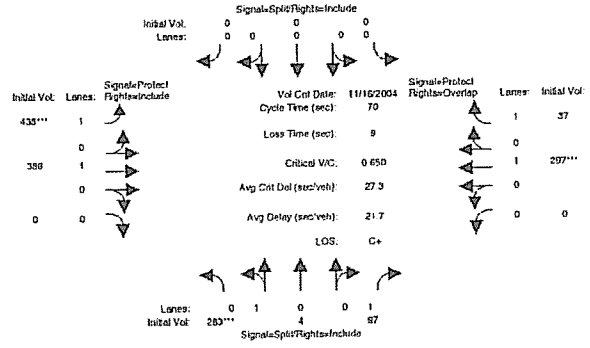


Street Name:	Hwy 101 (N)						Dunne					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	0	10	0	0	0	0	10	10	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 5:00PM												
Base Vol:	250	0	173	0	0	0	0	874	182	0	498	191
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	250	0	173	0	0	0	0	874	182	0	498	191
Added Vol:	0	0	0	0	0	0	0	15	50	0	15	0
ATI:	12	0	20	0	0	0	0	89	24	0	58	56
Initial Fut:	262	0	193	0	0	0	0	978	256	0	571	247
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:	262	0	193	0	0	0	0	978	0	0	571	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	262	0	193	0	0	0	0	978	0	0	571	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
Final Vol.:	262	0	193	0	0	0	0	978	0	0	571	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:	0.15	0.00	0.11	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.15	0.00
Crit Moves:	****							****				
Green Time:	32.2	0.0	32.2	0.0	0.0	0.0	0.0	36.8	0.0	0.0	36.8	0.0
Volume/Cap:	0.35	0.00	0.26	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.31	0.00
Delay/Veh:	15.7	0.0	14.6	0.0	0.0	0.0	0.0	12.1	0.0	0.0	11.8	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:	15.7	0.0	14.6	0.0	0.0	0.0	0.0	12.1	0.0	0.0	11.8	0.0
HCM2k95th:	9	0	6	0	0	0	0	9	0	0	8	0

Cochrane Road PUD

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

Intersection #15: Hwy 101(N) / Tennant

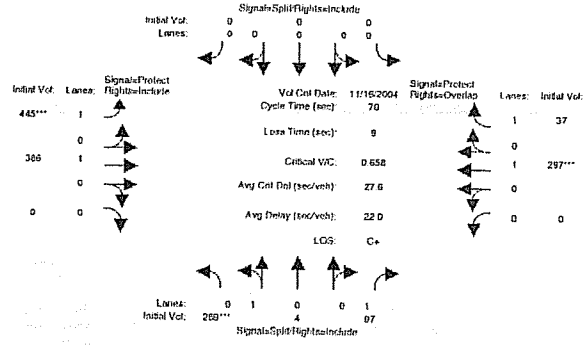


Street Name:	Hwy 101 (N)						Tennant					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	0	0	0	7	10	0	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 4:30PM												
Base Vol:	283	4	97	0	0	0	438	386	0	0	297	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	283	4	97	0	0	0	438	386	0	0	297	37
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:	283	4	97	0	0	0	438	386	0	0	297	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	283	4	97	0	0	0	438	386	0	0	297	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	283	4	97	0	0	0	438	386	0	0	297	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	283	4	97	0	0	0	438	386	0	0	297	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.99	0.01	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	1775	25	1750	0	0	0	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.16	0.16	0.06	0.00	0.00	0.00	0.25	0.20	0.00	0.00	0.16	0.02
Crit Moves:	****						****				****	
Green Time:	17.2	17.2	17.2	0.0	0.0	0.0	27.0	43.8	0.0	0.0	16.8	16.8
Volume/Cap:	0.65	0.65	0.23	0.00	0.00	0.00	0.65	0.32	0.00	0.00	0.65	0.09
Delay/Veh:	30.9	30.9	22.3	0.0	0.0	0.0	22.4	6.9	0.0	0.0	30.9	21.0
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:	30.9	30.9	22.3	0.0	0.0	0.0	22.4	6.9	0.0	0.0	30.9	21.0
HCM2k95th:	12	12	4	0	0	0	15	8	0	0	13	2

Cochrane Road PUD

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

Intersection #15: Hwy 101(N) / Tennant



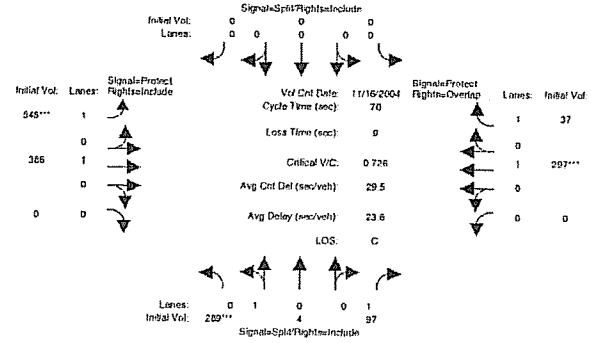
Street Name:	Hwy 101 (N)						Tennant					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	0	0	0	7	10	0	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 4:30PM												
Base Vol:	283	4	97	0	0	0	438	386	0	0	297	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	283	4	97	0	0	0	438	386	0	0	297	37
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	6	0	0	0	0	0	7	0	0	0	0	0
Initial Fut:	289	4	97	0	0	0	445	386	0	0	297	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	289	4	97	0	0	0	445	386	0	0	297	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	289	4	97	0	0	0	445	386	0	0	297	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	289	4	97	0	0	0	445	386	0	0	297	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.99	0.01	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	1775	25	1750	0	0	0	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.16	0.16	0.06	0.00	0.00	0.00	0.25	0.20	0.00	0.00	0.16	0.02
Crit Moves:	****						****				****	
Green Time:	17.3	17.3	17.3	0.0	0.0	0.0	27.1	43.7	0.0	0.0	16.6	16.6
Volume/Cap:	0.66	0.66	0.22	0.00	0.00	0.00	0.66	0.33	0.00	0.00	0.66	0.09
Delay/Veh:	31.1	31.1	22.2	0.0	0.0	0.0	22.6	6.9	0.0	0.0	31.4	21.2
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:	31.1	31.1	22.2	0.0	0.0	0.0	22.6	6.9	0.0	0.0	31.4	21.2
HCM2k95th:	13	13	4	0	0	0	16	8	0	0	13	2

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #15: Hwy 101(N) / Tennant



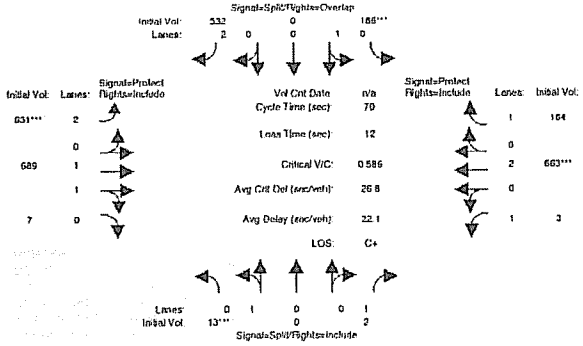
Street Name:	Hwy 101 (N)						Tennant					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	10	10	10	0	0	0	7	10	0	0	10	10
Volume Module: >> Count Date: 16 Nov 2004 << 4:30PM												
Base Vol:	283	4	97	0	0	0	438	386	0	0	297	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	283	4	97	0	0	0	438	386	0	0	297	37
Added Vol:	0	0	0	0	0	0	103	0	0	0	0	0
ATI:	6	0	0	0	0	0	7	0	0	0	0	0
Initial Fut:	289	4	97	0	0	0	548	386	0	0	297	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	289	4	97	0	0	0	548	386	0	0	297	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	289	4	97	0	0	0	548	386	0	0	297	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	289	4	97	0	0	0	548	386	0	0	297	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	0.99	0.01	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Final Sat.:	1775	25	1750	0	0	0	1750	1900	0	0	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.16	0.16	0.06	0.00	0.00	0.00	0.31	0.20	0.00	0.00	0.16	0.02
Crit Moves:	****						****				****	
Green Time:	15.7	15.7	15.7	0.0	0.0	0.0	30.2	45.3	0.0	0.0	15.1	15.1
Volume/Cap:	0.73	0.73	0.25	0.00	0.00	0.00	0.73	0.31	0.00	0.00	0.73	0.10
Delay/Veh:	36.0	36.0	23.8	0.0	0.0	0.0	22.5	6.1	0.0	0.0	36.2	22.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.0	36.0	23.8	0.0	0.0	0.0	22.5	6.1	0.0	0.0	36.2	22.5
HCM2k95th:	14	14	4	0	0	0	19	8	0	0	14	2

Copyright (c) 2003 Dowling Associates, Inc.
Licensed to FEHR & PEERS, SAN JOSE

Cochrane Road PUD

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

Intersection #50: DePaul / Cochrane [New Signal]



Street Name:	DePaul						Cochrane					
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
Volume Module:												
Base Vol:	13	0	2	186	0	532	631	689	7	3	663	164
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	0	2	186	0	532	631	689	7	3	663	164
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	13	0	2	186	0	532	631	689	7	3	663	164
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	0	2	186	0	532	631	689	7	3	663	164
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	0	2	186	0	532	631	689	7	3	663	164
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	13	0	2	186	0	532	631	689	7	3	663	164
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	0.83	0.83	0.97	0.95	0.92	1.00	0.92
Lanes:	1.00	0.00	1.00	1.00	0.00	2.00	2.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1800	0	1750	1800	0	3150	3150	3663	37	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.01	0.00	0.00	0.10	0.00	0.17	0.20	0.19	0.19	0.00	0.17	0.09
Crit Moves:	****			****			****				****	
Green Time:	10.0	0.0	10.0	10.4	0.0	30.5	20.1	24.6	24.6	13.1	17.5	17.5
Volume/Cap:	0.05	0.00	0.01	0.70	0.00	0.39	0.70	0.54	0.54	0.01	0.70	0.37
Delay/Veh:	26.0	0.0	25.8	36.2	0.0	13.6	24.6	18.6	18.6	23.2	26.1	22.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	26.0	0.0	25.8	36.2	0.0	13.6	24.6	18.6	18.6	23.2	26.1	22.3
HCM2k95th:	1	0	0	10	0	8	14	13	12	0	15	6

Copyright (c) 2003 Dowling Associates, Inc. Licensed to FEHR & PEERS, SAN JOSE