16. 2035 Build-Out LOS Analysis – HCM Methodology

2010 San Juan Capistrano Master Plan - HCM Method
2035 Conditions with the Master Plan Projects
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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #1 Rancho Viejo/Ortega Hwy

Cycle (sec):	130	Critical Vol./Cap.(X):	0.827
Loss Time (sec):	5	Average Delay (sec/veh):	34.3
Optimal Cycle:	64	Level Of Service:	C

Street Name:	Rancho Viejo Rd						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ovl			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	2 0	0 1	0	1 1	0 1	0	1 0	2 0	1	1 0	3 0	1
Volume Module:	2035 Base AM											
Base Vol:	284	137	53	305	137	243	253	1452	557	63	1936	609
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	284	137	53	305	137	243	253	1452	557	63	1936	609
Added Vol:	2	0	0	0	0	-1	-6	-8	-2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	286	137	53	305	137	242	247	1444	555	63	1936	609
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	301	144	56	321	144	255	260	1520	584	66	2038	641
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	301	144	56	321	144	255	260	1520	584	66	2038	641
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	301	144	56	321	144	255	260	1520	584	66	2038	641
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.96	0.96	0.93	0.93	0.93	0.95	1.00	0.85	0.95	1.00	0.85
Lanes:	2.00	0.72	0.28	1.38	0.62	1.00	1.00	2.00	1.00	1.00	3.00	1.00
Final Sat.:	3610	1312	508	2429	1091	1760	1805	3800	1615	1805	5700	1615
Capacity Analysis Module:												
Vol/Sat:	0.08	0.11	0.11	0.13	0.13	0.14	0.14	0.40	0.36	0.04	0.36	0.40
Crit Moves:		****				****	****					****
Green/Cycle:	0.13	0.13	0.13	0.17	0.17	0.17	0.17	0.55	0.68	0.11	0.48	0.48
Volume/Cap:	0.63	0.83	0.83	0.76	0.76	0.83	0.83	0.73	0.53	0.35	0.75	0.83
Delay/Veh:	56.0	75.4	75.4	54.5	54.5	58.4	68.2	23.4	10.9	55.1	28.5	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:	56.0	75.4	75.4	54.5	54.5	58.4	68.2	23.4	10.9	55.1	28.5	36.5
LOS by Move:	E	E	E	D	D	E	E	C	B	E	C	D
HCM2kAvgQ:	7	10	10	10	10	12	12	23	12	3	23	24

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

Intersection #3 I-5 SB Ramps/Ortega Hwy

Cycle (sec):	100	Critical Vol./Cap.(X):	0.846
Loss Time (sec):	5	Average Delay (sec/veh):	28.9
Optimal Cycle:	66	Level Of Service:	C

Street Name:	I-5 SB Ramps						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	0 0	0	1 0	1! 0	1	0 0	3 0	1	2 0	2 0	0
Volume Module:2035 am base												
Base Vol:	0	0	0	1134	0	894	0	1188	167	336	994	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	1134	0	894	0	1188	167	336	994	0
Added Vol:	0	0	0	0	0	-6	0	-53	-38	0	-5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	1134	0	888	0	1135	129	336	989	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	0	0	1194	0	935	0	1195	136	354	1041	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	1194	0	935	0	1195	136	354	1041	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	1194	0	935	0	1195	136	354	1041	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	1.00	0.86	1.00	0.91	0.95	0.91	0.85	0.85	1.00	1.00
Lanes:	0.00	0.00	0.00	1.57	0.00	1.43	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	0	2575	0	2462	0	5187	1615	3230	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.46	0.00	0.38	0.00	0.23	0.08	0.11	0.27	0.00
Crit Moves:				****				****		****		
Green/Cycle:	0.00	0.00	0.00	0.55	0.00	0.55	0.00	0.27	0.27	0.13	0.40	0.00
Volume/Cap:	0.00	0.00	0.00	0.85	0.00	0.69	0.00	0.85	0.31	0.85	0.68	0.00
Delay/Veh:	0.0	0.0	0.0	21.9	0.0	17.1	0.0	39.3	29.3	57.2	25.9	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	21.9	0.0	17.1	0.0	39.3	29.3	57.2	25.9	0.0
LOS by Move:	A	A	A	C	A	B	A	D	C	E	C	A
HCM2kAvgQ:	0	0	0	23	0	15	0	15	3	9	14	0

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Intersection #6 El Cerritos-NB Ramp/Ortega Hwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.852
Loss Time (sec):	10	Average Delay (sec/veh):	47.0
Optimal Cycle:	91	Level Of Service:	D

Street Name:	El Cerritos-I-5 NB Ramps						Ortega Highway					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	1! 0	1	0 0	0 0	1	1 0	2 1	1	0 0	2 1	0
Volume Module:	2035 base am											
Base Vol:	275	11	483	0	0	11	20	1746	567	0	2394	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:	275	11	483	0	0	11	20	1746	567	0	2394	11
Added Vol:	-6	0	0	0	0	0	0	-15	-38	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	269	11	483	0	0	11	20	1731	529	0	2395	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	283	12	508	0	0	12	21	1822	557	0	2521	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	283	12	508	0	0	12	21	1822	557	0	2521	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	283	12	508	0	0	12	21	1822	557	0	2521	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	1.00	1.00	0.87	0.95	0.97	0.97	1.00	1.00	1.00
Lanes:	0.52	0.02	1.46	0.00	0.00	1.00	1.00	3.00	1.00	0.00	2.99	0.01
Final Sat.:	872	36	2473	0	0	1644	1805	5501	1834	0	5668	26
Capacity Analysis Module:												
Vol/Sat:	0.32	0.32	0.21	0.00	0.00	0.01	0.01	0.33	0.30	0.00	0.44	0.44
Crit Moves:	****			****			****				****	
Green/Cycle:	0.32	0.32	0.32	0.00	0.00	0.08	0.08	0.41	0.41	0.00	0.43	0.43
Volume/Cap:	1.03	1.03	0.65	0.00	0.00	0.08	0.14	0.80	0.74	0.00	1.03	1.03
Delay/Veh:	80.0	80.0	36.5	0.0	0.0	51.0	51.4	32.6	30.6	0.0	59.1	59.1
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:	80.0	80.0	36.5	0.0	0.0	51.0	51.4	32.6	30.6	0.0	59.1	59.1
LOS by Move:	E	E	D	A	A	D	D	C	C	A	E	E
HCM2kAvgQ:	27	27	12	0	0	0	1	21	18	0	40	40

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Intersection #9 Del Obispo/Ortega Hwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.587
Loss Time (sec):	10	Average Delay (sec/veh):	23.6
Optimal Cycle:	50	Level Of Service:	C

Street Name:	Del Obispo St/Ortega Hwy East						Ortega Hwy West					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	2	1 0	1 0	2	0 1	2 0	0	1 0	0 0	1!	0 0
Volume Module:	New 2035 am base											
Base Vol:	84	1050	11	11	1379	481	336	11	54	11	11	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:	84	1050	11	11	1379	481	336	11	54	11	11	11
Added Vol:	-27	-105	0	0	-46	35	13	0	-28	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	57	945	11	11	1333	516	349	11	26	11	11	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	60	995	12	12	1403	543	367	12	27	12	12	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	995	12	12	1403	543	367	12	27	12	12	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	60	995	12	12	1403	543	367	12	27	12	12	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.91	0.91	0.90	1.00	0.85	0.85	0.90	0.90	0.89	0.94	0.94
Lanes:	1.00	2.97	0.03	1.00	2.00	1.00	2.00	0.30	0.70	0.34	0.33	0.33
Final Sat.:	1710	5117	60	1710	3800	1615	3230	506	1195	584	584	584
Capacity Analysis Module:												
Vol/Sat:	0.04	0.19	0.19	0.01	0.37	0.34	0.11	0.02	0.02	0.02	0.02	0.02
Crit Moves:	****				****		****				****	
Green/Cycle:	0.08	0.46	0.46	0.20	0.57	0.57	0.18	0.18	0.18	0.08	0.08	0.08
Volume/Cap:	0.42	0.42	0.42	0.03	0.64	0.59	0.64	0.13	0.13	0.24	0.24	0.24
Delay/Veh:	54.3	21.9	21.9	39.0	18.0	17.4	48.4	41.8	41.8	52.3	52.3	52.3
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:	54.3	21.9	21.9	39.0	18.0	17.4	48.4	41.8	41.8	52.3	52.3	52.3
LOS by Move:	D	C	C	D	B	B	D	D	D	D	D	D
HCM2kAvgQ:	3	9	9	0	18	13	8	1	1	1	1	1

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Intersection #10 El Camino Real/Ortega Hwy

Cycle (sec):	90	Critical Vol./Cap.(X):	0.930
Loss Time (sec):	5	Average Delay (sec/veh):	29.3
Optimal Cycle:	107	Level Of Service:	C

Street Name:	El Camino Real						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0	0	1! 0	0	0	0	1	0	0	1	0	0	1	0	0	1	0
Volume Module:	New 2035 am base											
Base Vol:	23	91	41	285	75	89	29	378	20	44	619	303
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	91	41	285	75	89	29	378	20	44	619	303
Added Vol:	2	3	-6	-1	5	1	0	-8	10	3	5	-1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	94	35	284	80	90	29	370	30	47	624	302
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	26	99	37	299	84	95	31	389	32	49	657	318
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	99	37	299	84	95	31	389	32	49	657	318
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	99	37	299	84	95	31	389	32	49	657	318
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.84	0.88	0.88	0.59	0.62	0.85	0.07	0.99	0.99	0.40	0.95	0.95
Lanes:	0.17	0.60	0.23	0.79	0.21	1.00	1.00	0.92	0.08	1.00	0.67	0.33
Final Sat.:	270	1017	379	882	249	1615	139	1738	141	767	1218	589
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.10	0.34	0.34	0.06	0.22	0.22	0.22	0.06	0.54	0.54
Crit Moves:					****						****	
Green/Cycle:	0.36	0.36	0.36	0.36	0.36	0.36	0.58	0.58	0.58	0.58	0.58	0.58
Volume/Cap:	0.27	0.27	0.27	0.93	0.93	0.16	0.38	0.39	0.39	0.11	0.93	0.93
Delay/Veh:	20.4	20.4	20.4	55.0	55.0	19.4	13.2	10.5	10.5	8.6	31.2	31.2
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:	20.4	20.4	20.4	55.0	55.0	19.4	13.2	10.5	10.5	8.6	31.2	31.2
LOS by Move:	C	C	C	D	D	B	B	B	B	A	C	C
HCM2kAvgQ:	3	3	3	15	15	2	1	6	6	1	30	30

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Intersection #11 Camino Capistrano/Ortega Hwy

Cycle (sec):	100	Critical Vol./Cap.(X):	0.666
Loss Time (sec):	5	Average Delay (sec/veh):	24.0
Optimal Cycle:	45	Level Of Service:	C

Street Name:	Camino Capistrano						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	1	0 1	1 0	1	0 0	0 0	0	0 0	1 0	0	0 1
Volume Module:	New 2035 am base											
Base Vol:	0	494	16	189	630	0	0	0	0	54	0	368
Growth Adj:	1.00	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	494	16	189	630	0	0	0	0	54	0	368
Added Vol:	0	4	-3	5	0	0	0	0	0	12	0	-4
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	498	13	194	630	0	0	0	0	66	0	364
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	524	14	204	663	0	0	0	0	69	0	383
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	524	14	204	663	0	0	0	0	69	0	383
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	524	14	204	663	0	0	0	0	69	0	383
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	0.90	1.00	1.00	0.95	1.00	1.00	0.90	1.00	0.85
Lanes:	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1900	1615	1710	1900	0	0	0	0	1710	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.28	0.01	0.12	0.35	0.00	0.00	0.00	0.00	0.04	0.00	0.24
Crit Moves:		****		****								****
Green/Cycle:	0.00	0.41	0.77	0.18	0.59	0.00	0.00	0.00	0.00	0.36	0.00	0.36
Volume/Cap:	0.00	0.67	0.01	0.67	0.59	0.00	0.00	0.00	0.00	0.11	0.00	0.67
Delay/Veh:	0.0	25.9	2.7	43.7	13.5	0.0	0.0	0.0	0.0	21.7	0.0	30.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	25.9	2.7	43.7	13.5	0.0	0.0	0.0	0.0	21.7	0.0	30.1
LOS by Move:	A	C	A	D	B	A	A	A	A	C	A	C
HCM2kAvgQ:	0	13	0	7	13	0	0	0	0	1	0	11

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

Intersection #17 Camino Capistrano/Verdugo St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.468
Loss Time (sec):	5	Average Delay (sec/veh):	9.5
Optimal Cycle:	45	Level Of Service:	A

Street Name:	Camino Capistrano						Verdugo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	1 0	0	0 0	0 1	0	1 0	0 0	1	0 0	0 0	0
Volume Module:	New 2035 am base											
Base Vol:	14	402	0	0	628	28	17	0	13	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	402	0	0	628	28	17	0	13	0	0	0
Added Vol:	7	-7	0	0	-11	22	8	0	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	395	0	0	617	50	25	0	15	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	22	416	0	0	649	53	26	0	16	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	416	0	0	649	53	26	0	16	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	416	0	0	649	53	26	0	16	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.86	0.90	1.00	1.00	0.89	0.89	0.86	1.00	0.77	1.00	1.00	1.00
Lanes:	1.00	1.00	0.00	0.00	0.93	0.07	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1625	1710	0	0	1566	127	1625	0	1454	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.01	0.24	0.00	0.00	0.41	0.41	0.02	0.00	0.01	0.00	0.00	0.00
Crit Moves:	****				****		****					
Green/Cycle:	0.10	0.60	0.00	0.00	0.75	0.75	0.10	0.00	0.10	0.00	0.00	0.00
Volume/Cap:	0.14	0.40	0.00	0.00	0.55	0.55	0.16	0.00	0.11	0.00	0.00	0.00
Delay/Veh:	41.4	10.7	0.0	0.0	5.9	5.9	41.6	0.0	41.3	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	41.4	10.7	0.0	0.0	5.9	5.9	41.6	0.0	41.3	0.0	0.0	0.0
LOS by Move:	D	B	A	A	A	A	D	A	D	A	A	A
HCM2kAvgQ:	1	7	0	0	9	9	1	0	1	0	0	0

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

Intersection #48 Camino Capistrano/Forster Ln

Average Delay (sec/veh): 2.6 Worst Case Level Of Service: E[40.2]

Street Name:	Camino Capistrano									Forster Lane								
Approach:	North Bound				South Bound					East Bound					West Bound			
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1!	0	0
Volume Module:2035 am base																				
Base Vol:	0	435	100		8	696		0			0	0		0		66		0		3
Growth Adj:	1.00	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	435	100		8	696		0			0	0		0		66		0		3
Added Vol:	0	6	28		9	-10		0			0	0		0		13		0		3
PasserByVol:	0	0	0		0	0		0			0	0		0		0		0		0
Initial Fut:	0	441	128		17	686		0			0	0		0		79		0		6
User Adj:	1.00	1.00	1.00		1.00	1.00		1.00			1.00	1.00		1.00		1.00		1.00		1.00
PHF Adj:	0.95	0.95	0.95		0.95	0.95		0.95			0.95	0.95		0.95		0.95		0.95		0.95
PHF Volume:	0	464	135		18	722		0			0	0		0		83		0		6
Reduct Vol:	0	0	0		0	0		0			0	0		0		0		0		0
FinalVolume:	0	464	135		18	722		0			0	0		0		83		0		6
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx		4.1	xxxx		xxxxx			xxxxx	xxxx		xxxxx		6.4		6.5		6.2
FollowUpTim:	xxxxx	xxxx	xxxxx		2.2	xxxx		xxxxx			xxxxx	xxxx		xxxxx		3.5		4.0		3.3
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx		599	xxxx		xxxxx			xxxx	xxxx		xxxxx		1289		1289		532
Potent Cap.:	xxxx	xxxx	xxxxx		988	xxxx		xxxxx			xxxx	xxxx		xxxxx		182		165		552
Move Cap.:	xxxx	xxxx	xxxxx		988	xxxx		xxxxx			xxxx	xxxx		xxxxx		180		162		552
Volume/Cap:	xxxx	xxxx	xxxx		0.02	xxxx		xxxx			xxxx	xxxx		xxxx		0.46		0.00		0.01
Level Of Service Module:																				
2Way95thQ:	xxxx	xxxx	xxxxx		0.1	xxxx		xxxxx			xxxx	xxxx		xxxxx		xxxx		xxxx		xxxxx
Control Del:	xxxxx	xxxx	xxxxx		8.7	xxxx		xxxxx			xxxxx	xxxx		xxxxx		xxxxx		xxxx		xxxxx
LOS by Move:	*	*	*		A	*		*			*	*		*		*		*		*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx		189		xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx		2.3		xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx		40.2		xxxxx
Shared LOS:	*	*	*			*	*	*			*	*	*			*		E		*
ApproachDel:	xxxxxx					xxxxxx					xxxxxx					40.2				
ApproachLOS:	*					*					*					E				

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

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

Intersection #56 Plaza Dr/Del Obispo St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.401
Loss Time (sec):	6	Average Delay (sec/veh):	17.0
Optimal Cycle:	46	Level Of Service:	B

Street Name:	Plaza Dr						Del Obispo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	0 1	0	0 0	1! 0	0	1 0	2 0	1	1 0	1 1	0
Volume Module:	New 2035 am base											
Base Vol:	21	24	61	8	23	2	0	925	89	74	883	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	24	61	8	23	2	0	925	89	74	883	7
Added Vol:	-3	0	2	6	0	17	46	-39	-10	-2	-28	17
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	24	63	14	23	19	46	886	79	72	855	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	19	25	66	15	24	20	48	933	83	76	900	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	25	66	15	24	20	48	933	83	76	900	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	19	25	66	15	24	20	48	933	83	76	900	25
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.89	0.89	0.89	0.94	0.94	0.90	1.00	0.85	0.90	1.00	1.00
Lanes:	1.00	0.28	0.72	0.26	0.41	0.33	1.00	2.00	1.00	1.00	1.95	0.05
Final Sat.:	1710	467	1226	442	725	599	1710	3800	1615	1710	3681	103
Capacity Analysis Module:												
Vol/Sat:	0.01	0.05	0.05	0.03	0.03	0.03	0.03	0.25	0.05	0.04	0.24	0.24
Crit Moves:		****		****				****		****		
Green/Cycle:	0.13	0.13	0.13	0.10	0.10	0.10	0.21	0.60	0.60	0.11	0.50	0.50
Volume/Cap:	0.08	0.41	0.41	0.33	0.33	0.33	0.14	0.41	0.09	0.41	0.49	0.49
Delay/Veh:	38.2	41.0	41.0	43.0	43.0	43.0	32.7	10.7	8.5	43.1	16.6	16.6
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:	38.2	41.0	41.0	43.0	43.0	43.0	32.7	10.7	8.5	43.1	16.6	16.6
LOS by Move:	D	D	D	D	D	D	C	B	A	D	B	B
HCM2kAvgQ:	1	3	3	2	2	2	1	8	1	3	9	9

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

Intersection #58 Camino Capistrano/Del Obispo

Cycle (sec):	130	Critical Vol./Cap.(X):	0.673
Loss Time (sec):	5	Average Delay (sec/veh):	39.8
Optimal Cycle:	45	Level Of Service:	D

Street Name:	Camino Capistrano						Del Obispo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	2 0	1 0	1	1 0	1 0	1	1 0	2 0	1	1 0	2 0	1
Volume Module:	New 2035 am base											
Base Vol:	231	457	190	21	351	252	42	693	326	264	578	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	231	457	190	21	351	252	42	693	326	264	578	21
Added Vol:	1	27	-12	-5	1	2	3	14	-1	-9	-6	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	232	484	178	16	352	254	45	707	325	255	572	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	244	509	187	17	371	267	47	744	342	268	602	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	244	509	187	17	371	267	47	744	342	268	602	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	244	509	187	17	371	267	47	744	342	268	602	23
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.85	1.00	0.85	0.90	1.00	0.85	0.90	1.00	0.85	0.90	1.00	0.85
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3230	1900	1615	1710	1900	1615	1710	3800	1615	1710	3800	1615
Capacity Analysis Module:												
Vol/Sat:	0.08	0.27	0.12	0.01	0.20	0.17	0.03	0.20	0.21	0.16	0.16	0.01
Crit Moves:		****		****					****	****		
Green/Cycle:	0.13	0.37	0.37	0.08	0.32	0.49	0.17	0.29	0.29	0.22	0.34	0.34
Volume/Cap:	0.59	0.72	0.31	0.13	0.61	0.34	0.17	0.67	0.72	0.72	0.46	0.04
Delay/Veh:	55.9	38.6	29.3	56.4	38.8	20.5	46.6	41.8	46.4	53.8	33.4	28.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	55.9	38.6	29.3	56.4	38.8	20.5	46.6	41.8	46.4	53.8	33.4	28.3
LOS by Move:	E	D	C	E	D	C	D	D	D	D	C	C
HCM2kAvgQ:	6	18	5	1	13	6	2	14	13	12	9	1

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

Intersection #63 Paseo Adelanto/Del Obispo

Cycle (sec):	100	Critical Vol./Cap.(X):	0.475
Loss Time (sec):	5	Average Delay (sec/veh):	15.1
Optimal Cycle:	35	Level Of Service:	B

Street Name:	Paseo Adelanto						Del Obispo					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	1 0	1	1 0	0 1	0	1 0	1	0	1 0	2 0	1
Volume Module:2035 am base												
Base Vol:	11	11	105	11	11	21	11	945	74	231	903	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:	11	11	105	11	11	21	11	945	74	231	903	11
Added Vol:	0	0	1	0	0	0	0	16	0	-1	-6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	11	106	11	11	21	11	961	74	230	897	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	12	12	112	12	12	22	12	1012	78	242	944	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	12	112	12	12	22	12	1012	78	242	944	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	12	12	112	12	12	22	12	1012	78	242	944	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.70	1.00	0.85	0.72	0.90	0.90	0.90	0.99	0.99	0.90	1.00	0.85
Lanes:	1.00	1.00	1.00	1.00	0.34	0.66	1.00	1.86	0.14	1.00	2.00	1.00
Final Sat.:	1323	1900	1615	1366	589	1125	1710	3489	269	1710	3800	1615
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.07	0.01	0.02	0.02	0.01	0.29	0.29	0.14	0.25	0.01
Crit Moves:					****			****		****		
Green/Cycle:	0.10	0.10	0.38	0.10	0.10	0.10	0.24	0.57	0.57	0.28	0.61	0.61
Volume/Cap:	0.09	0.06	0.18	0.08	0.20	0.20	0.03	0.51	0.51	0.51	0.41	0.01
Delay/Veh:	41.1	40.9	20.9	41.1	41.9	41.9	28.8	13.2	13.2	31.2	10.4	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:	41.1	40.9	20.9	41.1	41.9	41.9	28.8	13.2	13.2	31.2	10.4	7.8
LOS by Move:	D	D	C	D	D	D	C	B	B	C	B	A
HCM2kAvgQ:	0	0	2	0	1	1	0	10	10	7	8	0

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

Intersection #66 Alipaz St/Del Obispo

Cycle (sec):	100	Critical Vol./Cap.(X):	0.581
Loss Time (sec):	5	Average Delay (sec/veh):	26.3
Optimal Cycle:	45	Level Of Service:	C

Street Name:	Alipaz St						Del Obispo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 1	0	0 2	1	0	0 1 0	1	0	1 1 0	1	0	1 1 0
Volume Module:	2035 am base											
Base Vol:	21	84	336	32	42	63	305	662	53	368	557	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	84	336	32	42	63	305	662	53	368	557	42
Added Vol:	0	0	5	0	0	0	0	11	0	-2	-4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	84	341	32	42	63	305	673	53	366	553	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	22	88	359	34	44	66	321	708	56	385	582	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	88	359	34	44	66	321	708	56	385	582	44
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	88	359	34	44	66	321	708	56	385	582	44
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.94	0.99	0.81	0.90	0.91	0.91	0.90	0.99	0.99	0.90	0.99	0.99
Lanes:	0.21	0.79	2.00	1.00	0.40	0.60	1.00	1.85	0.15	1.00	1.86	0.14
Final Sat.:	372	1488	3060	1710	692	1037	1710	3484	274	1710	3493	265
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.12	0.02	0.06	0.06	0.19	0.20	0.20	0.23	0.17	0.17
Crit Moves:	****			****			****			****		
Green/Cycle:	0.10	0.10	0.49	0.11	0.11	0.11	0.39	0.35	0.35	0.39	0.35	0.35
Volume/Cap:	0.58	0.58	0.24	0.18	0.58	0.58	0.48	0.58	0.58	0.58	0.48	0.48
Delay/Veh:	47.3	47.3	14.8	40.9	46.8	46.8	23.4	27.2	27.2	25.5	25.9	25.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.3	47.3	14.8	40.9	46.8	46.8	23.4	27.2	27.2	25.5	25.9	25.9
LOS by Move:	D	D	B	D	D	D	C	C	C	C	C	C
HCM2kAvgQ:	4	4	3	1	4	4	8	10	10	10	8	8

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

Intersection #85 Camino Capistrano/Ave Golondrina

Cycle (sec):	100	Critical Vol./Cap.(X):	0.403
Loss Time (sec):	5	Average Delay (sec/veh):	16.8
Optimal Cycle:	35	Level Of Service:	B

Street Name:	Camino Capistrano						Avenida Golondrina					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1	0 1	1 0	1	0 1	1 0	0	0 1!	0 0	1	0 0	1 0
Volume Module:	2035 am base											
Base Vol:	18	799	107	34	708	49	103	10	25	81	11	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	799	107	34	708	49	103	10	25	81	11	42
Added Vol:	0	18	-5	-8	0	0	0	0	0	-1	0	-2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	817	102	26	708	49	103	10	25	80	11	40
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	19	860	107	27	745	52	108	11	26	84	12	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	860	107	27	745	52	108	11	26	84	12	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	19	860	107	27	745	52	108	11	26	84	12	42
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.98	0.98	0.90	0.99	0.99	0.70	0.74	0.74	0.74	0.88	0.88
Lanes:	1.00	1.78	0.22	1.00	1.87	0.13	0.76	0.07	0.17	1.00	0.22	0.78
Final Sat.:	1710	3321	415	1710	3518	244	1007	98	245	1404	361	1314
Capacity Analysis Module:												
Vol/Sat:	0.01	0.26	0.26	0.02	0.21	0.21	0.11	0.11	0.11	0.06	0.03	0.03
Crit Moves:		****		****				****				
Green/Cycle:	0.22	0.60	0.60	0.10	0.48	0.48	0.25	0.25	0.25	0.25	0.25	0.25
Volume/Cap:	0.05	0.43	0.43	0.16	0.45	0.45	0.43	0.43	0.43	0.24	0.13	0.13
Delay/Veh:	30.4	10.9	10.9	41.6	17.6	17.6	32.4	32.4	32.4	30.3	29.2	29.2
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:	30.4	10.9	10.9	41.6	17.6	17.6	32.4	32.4	32.4	30.3	29.2	29.2
LOS by Move:	C	B	B	D	B	B	C	C	C	C	C	C
HCM2kAvgQ:	0	8	8	1	8	8	4	4	4	2	1	1

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

Intersection #90 El Camino Real/Spring St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.635
Loss Time (sec):	0	Average Delay (sec/veh):	14.3
Optimal Cycle:	0	Level Of Service:	B

Street Name:	El Camino Real						Spring St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Lanes:	0 0	0 1	0	0 1	0 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module:2035 am base												
Base Vol:	0	241	189	85	259	0	0	0	0	123	0	129
Growth Adj:	1.00	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	241	189	85	259	0	0	0	0	123	0	129
Added Vol:	0	1	1	0	3	0	0	0	0	1	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	242	190	85	262	0	0	0	0	124	0	129
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	255	200	89	276	0	0	0	0	131	0	136
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	255	200	89	276	0	0	0	0	131	0	136
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	255	200	89	276	0	0	0	0	131	0	136
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.56	0.44	0.24	0.76	0.00	0.00	1.00	0.00	0.49	0.00	0.51
Final Sat.:	0	401	315	162	499	0	0	454	0	294	0	306
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.63	0.63	0.55	0.55	xxxx	xxxx	0.00	xxxx	0.44	xxxx	0.44
Crit Moves:		****			****			****		****		
Delay/Veh:	0.0	15.5	15.5	14.2	14.2	0.0	0.0	0.0	0.0	12.4	0.0	12.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	15.5	15.5	14.2	14.2	0.0	0.0	0.0	0.0	12.4	0.0	12.4
LOS by Move:	*	C	C	B	B	*	*	*	*	B	*	B
ApproachDel:		15.5			14.2			xxxxxx			12.4	
Delay Adj:		1.00			1.00			xxxxx			1.00	
ApprAdjDel:		15.5			14.2			xxxxxx			12.4	
LOS by Appr:		C			B			*			B	
AllWayAvgQ:	1.5	1.5	1.5	1.1	1.1	1.1	0.0	0.0	0.0	0.6	0.6	0.6

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

Intersection #98 El Camino Real/Acjachema

Cycle (sec):	100	Critical Vol./Cap.(X):	0.505
Loss Time (sec):	0	Average Delay (sec/veh):	10.7
Optimal Cycle:	0	Level Of Service:	B

Street Name:	El Camino Real						Acjachema St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module:	2035 am base											
Base Vol:	126	234	11	3	211	17	18	1	70	19	7	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	126	234	11	3	211	17	18	1	70	19	7	5
Added Vol:	2	0	0	0	3	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	128	234	11	3	214	17	18	1	70	19	7	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	135	246	12	3	225	18	19	1	74	20	7	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	246	12	3	225	18	19	1	74	20	7	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	135	246	12	3	225	18	19	1	74	20	7	5
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.34	0.63	0.03	0.01	0.92	0.07	0.20	0.01	0.79	0.61	0.23	0.16
Final Sat.:	267	487	23	10	694	55	134	7	519	360	133	95
Capacity Analysis Module:												
Vol/Sat:	0.51	0.51	0.51	0.32	0.32	0.32	0.14	0.14	0.14	0.06	0.06	0.06
Crit Moves:	****			****			****				****	
Delay/Veh:	11.9	11.9	11.9	9.7	9.7	9.7	8.6	8.6	8.6	8.7	8.7	8.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	11.9	11.9	11.9	9.7	9.7	9.7	8.6	8.6	8.6	8.7	8.7	8.7
LOS by Move:	B	B	B	A	A	A	A	A	A	A	A	A
ApproachDel:	11.9			9.7			8.6			8.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	11.9			9.7			8.6			8.7		
LOS by Appr:	B			A			A			A		
AllWayAvgQ:	0.9	0.9	0.9	0.4	0.4	0.4	0.1	0.1	0.1	0.0	0.0	0.0

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

Intersection #99 Camino Capistrano/Acjachema St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.495
Loss Time (sec):	5	Average Delay (sec/veh):	9.8
Optimal Cycle:	45	Level Of Service:	A

Street Name:	Camino Capistrano						Acjachema St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	0 1	0	1 0	1 0	0	0 0	0 0	0 0	0 0	1! 0	0
Volume Module:2035 am base												
Base Vol:	0	506	107	94	709	0	0	0	0	71	0	32
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	506	107	94	709	0	0	0	0	71	0	32
Added Vol:	0	-1	0	0	7	0	0	0	0	0	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	505	107	94	716	0	0	0	0	71	0	34
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	532	113	99	754	0	0	0	0	75	0	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	532	113	99	754	0	0	0	0	75	0	36
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	532	113	99	754	0	0	0	0	75	0	36
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.98	0.98	0.90	1.00	1.00	0.95	1.00	1.00	0.88	1.00	0.92
Lanes:	0.00	0.83	0.17	1.00	1.00	0.00	0.00	0.00	0.00	0.69	0.00	0.31
Final Sat.:	0	1530	324	1710	1900	0	0	0	0	1145	0	548
Capacity Analysis Module:												
Vol/Sat:	0.00	0.35	0.35	0.06	0.40	0.00	0.00	0.00	0.00	0.07	0.00	0.07
Crit Moves:		****		****						****		
Green/Cycle:	0.00	0.70	0.70	0.12	0.82	0.00	0.00	0.00	0.00	0.13	0.00	0.13
Volume/Cap:	0.00	0.50	0.50	0.50	0.48	0.00	0.00	0.00	0.00	0.50	0.00	0.50
Delay/Veh:	0.0	7.1	7.1	43.3	3.0	0.0	0.0	0.0	0.0	42.1	0.0	42.1
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:	0.0	7.1	7.1	43.3	3.0	0.0	0.0	0.0	0.0	42.1	0.0	42.1
LOS by Move:	A	A	A	D	A	A	A	A	A	D	A	D
HCM2kAvgQ:	0	9	9	4	7	0	0	0	0	4	0	4

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

Intersection #1 Rancho Viejo/Ortega Hwy

Cycle (sec):	130	Critical Vol./Cap.(X):	0.938
Loss Time (sec):	5	Average Delay (sec/veh):	47.3
Optimal Cycle:	130	Level Of Service:	D

Street Name:	Rancho Viejo Rd						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ovl			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	2 0	0 1	0	1 1	0 1	0	1 0	2 0	1	1 0	3 0	1
Volume Module:	2035 pm base											
Base Vol:	410	105	63	378	168	379	316	1874	389	63	1334	326
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	410	105	63	378	168	379	316	1874	389	63	1334	326
Added Vol:	0	0	0	0	0	-3	0	1	2	0	-1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	410	105	63	378	168	376	316	1875	391	63	1333	326
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	432	111	66	398	177	396	333	1974	412	66	1403	343
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	432	111	66	398	177	396	333	1974	412	66	1403	343
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	432	111	66	398	177	396	333	1974	412	66	1403	343
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.92	0.92	0.92	0.95	1.00	0.85	0.95	1.00	0.85
Lanes:	2.00	0.63	0.37	1.38	0.62	1.00	1.00	2.00	1.00	1.00	3.00	1.00
Final Sat.:	3610	1121	673	2421	1076	1748	1805	3800	1615	1805	5700	1615
Capacity Analysis Module:												
Vol/Sat:	0.12	0.10	0.10	0.16	0.16	0.23	0.18	0.52	0.25	0.04	0.25	0.21
Crit Moves:	****					****		****		****		
Green/Cycle:	0.12	0.12	0.12	0.23	0.23	0.23	0.26	0.53	0.65	0.08	0.35	0.35
Volume/Cap:	0.98	0.81	0.81	0.71	0.71	0.98	0.71	0.98	0.39	0.48	0.71	0.61
Delay/Veh:	93.9	74.9	74.9	47.7	47.7	72.9	48.5	44.9	10.7	60.1	37.9	37.1
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:	93.9	74.9	74.9	47.7	47.7	72.9	48.5	44.9	10.7	60.1	37.9	37.1
LOS by Move:	F	E	E	D	D	E	D	D	B	E	D	D
HCM2kAvgQ:	13	9	9	12	12	21	13	45	8	3	17	12

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Intersection #3 I-5 SB Ramps/Ortega Hwy

Cycle (sec):	100	Critical Vol./Cap.(X):	0.977
Loss Time (sec):	5	Average Delay (sec/veh):	40.0
Optimal Cycle:	130	Level Of Service:	D

Street Name:	I-5 SB Ramps						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	0 0	0	1 0	1! 0	1	0 0	3 0	1	2 0	2 0	0
Volume Module:2035 pm base												
Base Vol:	0	0	0	1554	0	731	0	1315	174	242	1095	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	1554	0	731	0	1315	174	242	1095	0
Added Vol:	0	0	0	0	0	-14	0	3	1	0	-17	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	1554	0	717	0	1318	175	242	1078	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	0	0	1636	0	755	0	1387	184	255	1135	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	1636	0	755	0	1387	184	255	1135	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	1636	0	755	0	1387	184	255	1135	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	1.00	0.87	1.00	0.92	0.95	0.91	0.85	0.85	1.00	1.00
Lanes:	0.00	0.00	0.00	1.70	0.00	1.30	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	0	2813	0	2284	0	5187	1615	3230	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.58	0.00	0.33	0.00	0.27	0.11	0.08	0.30	0.00
Crit Moves:				****				****		****		
Green/Cycle:	0.00	0.00	0.00	0.58	0.00	0.58	0.00	0.27	0.27	0.10	0.37	0.00
Volume/Cap:	0.00	0.00	0.00	1.00	0.00	0.57	0.00	1.00	0.43	0.79	0.81	0.00
Delay/Veh:	0.0	0.0	0.0	39.0	0.0	13.2	0.0	60.4	30.9	56.2	32.2	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	39.0	0.0	13.2	0.0	60.4	30.9	56.2	32.2	0.0
LOS by Move:	A	A	A	D	A	B	A	E	C	E	C	A
HCM2kAvgQ:	0	0	0	39	0	11	0	22	5	6	18	0

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Intersection #6 El Cerritos-NB Ramp/Ortega Hwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.772
Loss Time (sec):	10	Average Delay (sec/veh):	38.4
Optimal Cycle:	68	Level Of Service:	D

Street Name:	El Cerritos-I-5 NB Ramps						Ortega Highway					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	1! 0	1	0 0	0 0	1	1 0	2 1	1	0 0	2 1	0
Volume Module:	2035 pm base											
Base Vol:	248	11	441	0	0	17	27	2180	672	0	2128	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:	248	11	441	0	0	17	27	2180	672	0	2128	11
Added Vol:	-14	0	0	0	0	0	0	3	1	0	-3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	234	11	441	0	0	17	27	2183	673	0	2125	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	246	12	464	0	0	18	28	2298	708	0	2237	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	246	12	464	0	0	18	28	2298	708	0	2237	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	246	12	464	0	0	18	28	2298	708	0	2237	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	1.00	1.00	0.87	0.95	0.97	0.97	1.00	1.00	1.00
Lanes:	0.50	0.02	1.48	0.00	0.00	1.00	1.00	3.00	1.00	0.00	2.98	0.02
Final Sat.:	849	40	2488	0	0	1644	1805	5501	1834	0	5665	29
Capacity Analysis Module:												
Vol/Sat:	0.29	0.29	0.19	0.00	0.00	0.01	0.02	0.42	0.39	0.00	0.39	0.39
Crit Moves:		****			****			****			****	
Green/Cycle:	0.31	0.31	0.31	0.00	0.00	0.08	0.09	0.44	0.44	0.00	0.43	0.43
Volume/Cap:	0.94	0.94	0.61	0.00	0.00	0.13	0.17	0.94	0.87	0.00	0.91	0.91
Delay/Veh:	60.6	60.6	36.3	0.0	0.0	51.4	50.8	38.8	33.1	0.0	37.2	37.2
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:	60.6	60.6	36.3	0.0	0.0	51.4	50.8	38.8	33.1	0.0	37.2	37.2
LOS by Move:	E	E	D	A	A	D	D	D	C	A	D	D
HCM2kAvgQ:	22	22	10	0	0	1	1	32	26	0	29	29

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Intersection #9 Del Obispo/Ortega Hwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.666
Loss Time (sec):	10	Average Delay (sec/veh):	29.3
Optimal Cycle:	51	Level Of Service:	C

Street Name:	Del Obispo St/Ortega Hwy East						Ortega Hwy West					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	2	1 0	1 0	2	0 1	2 0	0	1 0	0 0	1!	0 0
Volume Module:	New 2035 pm base											
Base Vol:	65	1029	11	11	1444	380	470	11	75	11	11	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:	65	1029	11	11	1444	380	470	11	75	11	11	11
Added Vol:	-20	-92	0	0	-76	44	96	0	-21	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	45	937	11	11	1368	424	566	11	54	11	11	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	47	986	12	12	1440	446	596	12	57	12	12	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	986	12	12	1440	446	596	12	57	12	12	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	47	986	12	12	1440	446	596	12	57	12	12	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.91	0.91	0.90	1.00	0.85	0.85	0.88	0.88	0.89	0.94	0.94
Lanes:	1.00	2.97	0.03	1.00	2.00	1.00	2.00	0.17	0.83	0.34	0.33	0.33
Final Sat.:	1710	5117	60	1710	3800	1615	3230	281	1381	584	584	584
Capacity Analysis Module:												
Vol/Sat:	0.03	0.19	0.19	0.01	0.38	0.28	0.18	0.04	0.04	0.02	0.02	0.02
Crit Moves:	****				****		****				****	
Green/Cycle:	0.08	0.41	0.41	0.18	0.50	0.50	0.25	0.25	0.25	0.08	0.08	0.08
Volume/Cap:	0.33	0.47	0.47	0.04	0.75	0.55	0.75	0.17	0.17	0.24	0.24	0.24
Delay/Veh:	53.2	26.0	26.0	40.9	25.4	21.2	45.9	35.8	35.8	52.3	52.3	52.3
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	26.0	26.0	40.9	25.4	21.2	45.9	35.8	35.8	52.3	52.3	52.3
LOS by Move:	D	C	C	D	C	C	D	D	D	D	D	D
HCM2kAvgQ:	2	10	10	0	22	11	13	2	2	1	1	1

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Intersection #10 El Camino Real/Ortega Hwy

Cycle (sec):	90	Critical Vol./Cap.(X):	0.744
Loss Time (sec):	5	Average Delay (sec/veh):	19.2
Optimal Cycle:	44	Level Of Service:	B

Street Name:	El Camino Real						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	1! 0	0	0	1 0	0 1	1 0	0 1	0	1 0	0 1	0
Volume Module:	New 2035 pm base											
Base Vol:	15	90	135	194	32	47	14	515	24	48	466	201
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	15	90	135	194	32	47	14	515	24	48	466	201
Added Vol:	9	3	55	9	0	2	3	12	2	-4	10	13
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	24	93	190	203	32	49	17	527	26	44	476	214
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	25	98	200	214	34	52	18	555	27	46	501	225
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	98	200	214	34	52	18	555	27	46	501	225
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	98	200	214	34	52	18	555	27	46	501	225
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.84	0.88	0.88	0.43	0.45	0.85	0.17	0.99	0.99	0.27	0.95	0.95
Lanes:	0.08	0.30	0.62	0.87	0.13	1.00	1.00	0.95	0.05	1.00	0.69	0.31
Final Sat.:	131	507	1035	708	112	1615	326	1798	89	511	1250	562
Capacity Analysis Module:												
Vol/Sat:	0.19	0.19	0.19	0.30	0.30	0.03	0.05	0.31	0.31	0.09	0.40	0.40
Crit Moves:					****						****	
Green/Cycle:	0.41	0.41	0.41	0.41	0.41	0.41	0.54	0.54	0.54	0.54	0.54	0.54
Volume/Cap:	0.48	0.48	0.48	0.74	0.74	0.08	0.10	0.57	0.57	0.17	0.74	0.74
Delay/Veh:	20.2	20.2	20.2	31.5	31.5	16.5	10.4	14.6	14.6	10.8	19.1	19.1
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:	20.2	20.2	20.2	31.5	31.5	16.5	10.4	14.6	14.6	10.8	19.1	19.1
LOS by Move:	C	C	C	C	C	B	B	B	B	B	B	B
HCM2kAvgQ:	7	7	7	8	8	1	0	11	11	1	17	17

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Intersection #11 Camino Capistrano/Ortega Hwy

Cycle (sec):	100	Critical Vol./Cap.(X):	0.589
Loss Time (sec):	5	Average Delay (sec/veh):	18.2
Optimal Cycle:	45	Level Of Service:	B

Street Name:	Camino Capistrano						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	1	0 1	1 0	1	0 0	0 0	0	0 0	1 0	0	0 1
Volume Module:	New 2035 pm base											
Base Vol:	0	588	112	158	389	0	0	0	0	51	0	210
Growth Adj:	1.00	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	588	112	158	389	0	0	0	0	51	0	210
Added Vol:	0	-5	18	-1	-1	0	0	0	0	16	0	4
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	583	130	157	388	0	0	0	0	67	0	214
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	614	137	165	408	0	0	0	0	71	0	225
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	614	137	165	408	0	0	0	0	71	0	225
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	614	137	165	408	0	0	0	0	71	0	225
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	0.90	1.00	1.00	0.95	1.00	1.00	0.90	1.00	0.85
Lanes:	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1900	1615	1710	1900	0	0	0	0	1710	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.32	0.08	0.10	0.21	0.00	0.00	0.00	0.00	0.04	0.00	0.14
Crit Moves:		****		****								****
Green/Cycle:	0.00	0.55	0.79	0.16	0.71	0.00	0.00	0.00	0.00	0.24	0.00	0.24
Volume/Cap:	0.00	0.59	0.11	0.59	0.30	0.00	0.00	0.00	0.00	0.17	0.00	0.59
Delay/Veh:	0.0	15.9	2.5	41.9	5.4	0.0	0.0	0.0	0.0	30.6	0.0	36.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	15.9	2.5	41.9	5.4	0.0	0.0	0.0	0.0	30.6	0.0	36.2
LOS by Move:	A	B	A	D	A	A	A	A	A	C	A	D
HCM2kAvgQ:	0	12	1	6	5	0	0	0	0	2	0	7

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

Intersection #17 Camino Capistrano/Verdugo St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.404
Loss Time (sec):	5	Average Delay (sec/veh):	16.1
Optimal Cycle:	45	Level Of Service:	B

Street Name:	Camino Capistrano						Verdugo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	1 0	0	0 0	0 1	0	1 0	0 0	1	0 0	0 0	1
Volume Module:	New 2035 pm base											
Base Vol:	38	556	0	0	387	43	52	0	48	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	38	556	0	0	387	43	52	0	48	0	0	0
Added Vol:	6	-12	0	0	-7	22	24	0	2	0	0	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	44	544	0	0	380	65	76	0	50	0	0	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	46	573	0	0	400	68	80	0	53	0	0	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	573	0	0	400	68	80	0	53	0	0	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	46	573	0	0	400	68	80	0	53	0	0	1
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.86	0.90	1.00	1.00	0.88	0.88	0.86	1.00	0.77	1.00	1.00	0.78
Lanes:	1.00	1.00	0.00	0.00	0.85	0.15	1.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	1625	1710	0	0	1431	245	1625	0	1454	0	0	1479
Capacity Analysis Module:												
Vol/Sat:	0.03	0.33	0.00	0.00	0.28	0.28	0.05	0.00	0.04	0.00	0.00	0.00
Crit Moves:		****		****			****				****	
Green/Cycle:	0.20	0.65	0.00	0.00	0.55	0.55	0.10	0.00	0.10	0.00	0.00	0.10
Volume/Cap:	0.14	0.52	0.00	0.00	0.51	0.51	0.49	0.00	0.36	0.00	0.00	0.01
Delay/Veh:	33.3	9.6	0.0	0.0	14.4	14.4	44.9	0.0	43.6	0.0	0.0	40.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	33.3	9.6	0.0	0.0	14.4	14.4	44.9	0.0	43.6	0.0	0.0	40.5
LOS by Move:	C	A	A	A	B	B	D	A	D	A	A	D
HCM2kAvgQ:	1	9	0	0	9	9	3	0	2	0	0	0

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

Intersection #48 Camino Capistrano/Forster Ln

Average Delay (sec/veh): 7.9 Worst Case Level Of Service: F[90.0]

Street Name:	Camino Capistrano									Forster Lane								
Approach:	North Bound				South Bound					East Bound					West Bound			
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1!	0	0
Volume Module:2035 pm base																				
Base Vol:	0	542	134		15	680	0		0	0	0		95	0	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:	0	542	134		15	680	0		0	0	0		95	0	11					
Added Vol:	0	-5	17		6	0	0		0	0	0		23	0	2					
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0					
Initial Fut:	0	537	151		21	680	0		0	0	0		118	0	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:	0.95	0.95	0.95		0.95	0.95	0.95		0.95	0.95	0.95		0.95	0.95	0.95					
PHF Volume:	0	565	159		22	716	0		0	0	0		124	0	14					
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0					
FinalVolume:	0	565	159		22	716	0		0	0	0		124	0	14					
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx		4.1	xxxx	xxxxx		xxxxx	xxxx	xxxxx		6.4	6.5	6.2					
FollowUpTim:	xxxxx	xxxx	xxxxx		2.2	xxxx	xxxxx		xxxxx	xxxx	xxxxx		3.5	4.0	3.3					
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx		724	xxxx	xxxxx		xxxx	xxxx	xxxxx		1405	1405	645					
Potent Cap.:	xxxx	xxxx	xxxxx		888	xxxx	xxxxx		xxxx	xxxx	xxxxx		155	141	476					
Move Cap.:	xxxx	xxxx	xxxxx		888	xxxx	xxxxx		xxxx	xxxx	xxxxx		152	137	476					
Volume/Cap:	xxxx	xxxx	xxxx		0.02	xxxx	xxxx		xxxx	xxxx	xxxx		0.82	0.00	0.03					
Level Of Service Module:																				
2Way95thQ:	xxxx	xxxx	xxxxx		0.1	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx					
Control Del:	xxxxx	xxxx	xxxxx		9.2	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx					
LOS by Move:	*	*	*		A	*	*		*	*	*		*	*	*					
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx		xxxx	163	xxxxx					
SharedQueue:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	5.8	xxxxx					
Shrd ConDel:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx	90.0	xxxxx					
Shared LOS:	*	*	*		*	*	*		*	*	*		*	F	*					
ApproachDel:	xxxxxx				xxxxxx				xxxxxx				90.0							
ApproachLOS:	*				*				*				F							

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

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

Intersection #56 Plaza Dr/Del Obispo St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.539
Loss Time (sec):	6	Average Delay (sec/veh):	21.2
Optimal Cycle:	46	Level Of Service:	C

Street Name:	Plaza Dr						Del Obispo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	0 1	0	0 0	1! 0	0	1 0	2 0	1	1 0	1 1	0
Volume Module:	New 2035 pm base											
Base Vol:	85	42	109	23	35	40	0	999	92	95	1146	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	85	42	109	23	35	40	0	999	92	95	1146	24
Added Vol:	-21	-3	-14	8	-3	39	26	-20	-18	-15	-26	9
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	64	39	95	31	32	79	26	979	74	80	1120	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	67	41	100	33	34	83	27	1031	78	84	1179	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	41	100	33	34	83	27	1031	78	84	1179	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	67	41	100	33	34	83	27	1031	78	84	1179	35
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.89	0.89	0.87	0.91	0.91	0.90	1.00	0.85	0.90	1.00	1.00
Lanes:	1.00	0.29	0.71	0.23	0.22	0.55	1.00	2.00	1.00	1.00	1.94	0.06
Final Sat.:	1710	494	1204	375	387	955	1710	3800	1615	1710	3676	108
Capacity Analysis Module:												
Vol/Sat:	0.04	0.08	0.08	0.09	0.09	0.09	0.02	0.27	0.05	0.05	0.32	0.32
Crit Moves:		****		****			****				****	
Green/Cycle:	0.14	0.14	0.14	0.15	0.15	0.15	0.10	0.47	0.47	0.17	0.55	0.55
Volume/Cap:	0.28	0.58	0.58	0.58	0.58	0.58	0.16	0.57	0.10	0.28	0.58	0.58
Delay/Veh:	38.9	43.8	43.8	43.1	43.1	43.1	41.6	19.4	14.6	36.3	15.4	15.4
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	43.8	43.8	43.1	43.1	43.1	41.6	19.4	14.6	36.3	15.4	15.4
LOS by Move:	D	D	D	D	D	D	D	B	B	D	B	B
HCM2kAvgQ:	2	5	5	5	5	5	1	12	1	3	13	13

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

Intersection #58 Camino Capistrano/Del Obispo

Cycle (sec):	130	Critical Vol./Cap.(X):	0.986
Loss Time (sec):	5	Average Delay (sec/veh):	61.2
Optimal Cycle:	130	Level Of Service:	E

Street Name:	Camino Capistrano						Del Obispo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	2 0	1 0	1	1 0	1 0	1	1 0	2 0	1	1 0	2 0	1
Volume Module:	New 2035 pm base											
Base Vol:	399	354	369	21	606	32	231	588	368	400	662	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	399	354	369	21	606	32	231	588	368	400	662	42
Added Vol:	-4	0	-5	4	8	3	2	-12	-4	-7	1	-1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	395	354	364	25	614	35	233	576	364	393	663	41
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	416	373	383	26	646	37	245	606	383	414	698	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	416	373	383	26	646	37	245	606	383	414	698	43
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	416	373	383	26	646	37	245	606	383	414	698	43
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.85	1.00	0.85	0.90	1.00	0.85	0.90	1.00	0.85	0.90	1.00	0.85
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3230	1900	1615	1710	1900	1615	1710	3800	1615	1710	3800	1615
Capacity Analysis Module:												
Vol/Sat:	0.13	0.20	0.24	0.02	0.34	0.02	0.14	0.16	0.24	0.24	0.18	0.03
Crit Moves:	****				****				****	****		
Green/Cycle:	0.13	0.36	0.36	0.12	0.35	0.56	0.21	0.24	0.24	0.25	0.27	0.27
Volume/Cap:	0.99	0.55	0.66	0.13	0.99	0.04	0.67	0.66	0.99	0.99	0.67	0.10
Delay/Veh:	96.4	34.1	37.8	51.8	73.8	13.0	51.9	46.4	90.9	88.9	43.9	35.4
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:	96.4	34.1	37.8	51.8	73.8	13.0	51.9	46.4	90.9	88.9	43.9	35.4
LOS by Move:	F	C	D	D	E	B	D	D	F	F	D	D
HCM2kAvgQ:	14	12	13	1	32	1	10	12	20	23	13	1

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

Intersection #63 Paseo Adelanto/Del Obispo

Cycle (sec):	100	Critical Vol./Cap.(X):	0.477
Loss Time (sec):	5	Average Delay (sec/veh):	17.7
Optimal Cycle:	35	Level Of Service:	B

Street Name:	Paseo Adelanto						Del Obispo					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	1 0	1	1 0	0 1	0	1 0	1	1 0	1 0	2 0	1
Volume Module:2035 pm base												
Base Vol:	95	11	263	21	11	21	11	872	84	179	809	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:	95	11	263	21	11	21	11	872	84	179	809	11
Added Vol:	0	0	-1	0	0	0	0	-3	0	0	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	95	11	262	21	11	21	11	869	84	179	814	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	100	12	276	22	12	22	12	915	88	188	857	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	12	276	22	12	22	12	915	88	188	857	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	100	12	276	22	12	22	12	915	88	188	857	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.70	1.00	0.85	0.72	0.90	0.90	0.90	0.99	0.99	0.90	1.00	0.85
Lanes:	1.00	1.00	1.00	1.00	0.34	0.66	1.00	1.82	0.18	1.00	2.00	1.00
Final Sat.:	1332	1900	1615	1366	589	1125	1710	3420	331	1710	3800	1615
Capacity Analysis Module:												
Vol/Sat:	0.08	0.01	0.17	0.02	0.02	0.02	0.01	0.27	0.27	0.11	0.23	0.01
Crit Moves:	****							****		****		
Green/Cycle:	0.16	0.16	0.39	0.16	0.16	0.16	0.24	0.56	0.56	0.23	0.55	0.55
Volume/Cap:	0.48	0.04	0.44	0.10	0.12	0.12	0.03	0.48	0.48	0.48	0.41	0.01
Delay/Veh:	40.1	35.8	23.0	36.3	36.4	36.4	28.8	13.3	13.3	34.1	13.3	10.2
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:	40.1	35.8	23.0	36.3	36.4	36.4	28.8	13.3	13.3	34.1	13.3	10.2
LOS by Move:	D	D	C	D	D	D	C	B	B	C	B	B
HCM2kAvgQ:	4	0	6	1	1	1	0	9	9	6	8	0

2010 San Juan Capistrano Master Plan - HCM Method
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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #66 Alipaz St/Del Obispo

Cycle (sec):	100	Critical Vol./Cap.(X):	0.517
Loss Time (sec):	5	Average Delay (sec/veh):	30.6
Optimal Cycle:	45	Level Of Service:	C

Street Name:	Alipaz St						Del Obispo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 1	0	0 2	1	0	0 1 0	1	0	1 1 0	1	0	1 1 0
Volume Module:	2035 pm base											
Base Vol:	11	42	368	32	137	231	74	557	32	179	662	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	42	368	32	137	231	74	557	32	179	662	21
Added Vol:	0	0	1	0	0	0	0	-4	0	3	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	42	369	32	137	231	74	553	32	182	664	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	12	44	388	34	144	243	78	582	34	192	699	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	44	388	34	144	243	78	582	34	192	699	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	12	44	388	34	144	243	78	582	34	192	699	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.94	0.99	0.81	0.90	0.91	0.91	0.90	0.99	0.99	0.90	1.00	1.00
Lanes:	0.22	0.78	2.00	1.00	0.37	0.63	1.00	1.89	0.11	1.00	1.94	0.06
Final Sat.:	386	1474	3060	1710	641	1081	1710	3563	206	1710	3665	116
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.13	0.02	0.23	0.23	0.05	0.16	0.16	0.11	0.19	0.19
Crit Moves:	****				****		****				****	
Green/Cycle:	0.10	0.10	0.28	0.41	0.41	0.41	0.10	0.26	0.26	0.18	0.34	0.34
Volume/Cap:	0.30	0.30	0.45	0.05	0.55	0.55	0.46	0.62	0.62	0.62	0.55	0.55
Delay/Veh:	42.7	42.7	30.0	18.0	23.7	23.7	44.4	33.6	33.6	41.6	27.1	27.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.7	42.7	30.0	18.0	23.7	23.7	44.4	33.6	33.6	41.6	27.1	27.1
LOS by Move:	D	D	C	B	C	C	D	C	C	D	C	C
HCM2kAvgQ:	2	2	5	1	9	9	3	9	9	7	9	9

2010 San Juan Capistrano Master Plan - HCM Method
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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #85 Camino Capistrano/Ave Golondrina

Cycle (sec):	100	Critical Vol./Cap.(X):	0.532
Loss Time (sec):	5	Average Delay (sec/veh):	17.5
Optimal Cycle:	35	Level Of Service:	B

Street Name:	Camino Capistrano						Avenida Golondrina					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 0	1! 0	0	1 0	0 1	0
Volume Module: 2035 pm base												
Base Vol:	25	840	137	111	1172	75	118	19	34	163	29	67
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	840	137	111	1172	75	118	19	34	163	29	67
Added Vol:	0	15	-15	-22	20	0	0	0	0	-15	0	-23
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	855	122	89	1192	75	118	19	34	148	29	44
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	26	900	128	94	1255	79	124	20	36	156	31	46
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	900	128	94	1255	79	124	20	36	156	31	46
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	900	128	94	1255	79	124	20	36	156	31	46
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.98	0.98	0.90	0.99	0.99	0.69	0.72	0.72	0.76	0.91	0.91
Lanes:	1.00	1.75	0.25	1.00	1.88	0.12	0.70	0.11	0.19	1.00	0.40	0.60
Final Sat.:	1710	3262	465	1710	3543	223	914	147	263	1451	687	1042
Capacity Analysis Module:												
Vol/Sat:	0.02	0.28	0.28	0.05	0.35	0.35	0.14	0.14	0.14	0.11	0.04	0.04
Crit Moves:	****				****			****				
Green/Cycle:	0.10	0.52	0.52	0.19	0.61	0.61	0.24	0.24	0.24	0.24	0.24	0.24
Volume/Cap:	0.15	0.53	0.53	0.29	0.58	0.58	0.58	0.58	0.58	0.46	0.19	0.19
Delay/Veh:	41.6	15.9	15.9	35.2	11.9	11.9	36.5	36.5	36.5	33.7	30.8	30.8
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:	41.6	15.9	15.9	35.2	11.9	11.9	36.5	36.5	36.5	33.7	30.8	30.8
LOS by Move:	D	B	B	D	B	B	D	D	D	C	C	C
HCM2kAvgQ:	1	10	10	3	12	12	6	6	6	5	2	2

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

Intersection #90 El Camino Real/Spring St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.454
Loss Time (sec):	0	Average Delay (sec/veh):	10.1
Optimal Cycle:	0	Level Of Service:	B

Street Name:	El Camino Real									Spring St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Lanes:	0 0	0 1	0	0 1	0 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module:2035 pm base												
Base Vol:	0	238	106	27	158	0	0	0	0	104	0	26
Growth Adj:	1.00	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	238	106	27	158	0	0	0	0	104	0	26
Added Vol:	0	1	7	3	-2	0	0	0	0	6	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	239	113	30	156	0	0	0	0	110	0	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	252	119	32	164	0	0	0	0	116	0	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	252	119	32	164	0	0	0	0	116	0	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	252	119	32	164	0	0	0	0	116	0	29
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.68	0.32	0.16	0.84	0.00	0.00	1.00	0.00	0.80	0.00	0.20
Final Sat.:	0	554	262	120	621	0	0	599	0	516	0	131
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.45	0.45	0.26	0.26	xxxx	xxxx	0.00	xxxx	0.22	xxxx	0.22
Crit Moves:			****		****			****		****		
Delay/Veh:	0.0	10.7	10.7	9.3	9.3	0.0	0.0	0.0	0.0	9.5	0.0	9.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	10.7	10.7	9.3	9.3	0.0	0.0	0.0	0.0	9.5	0.0	9.5
LOS by Move:	*	B	B	A	A	*	*	*	*	A	*	A
ApproachDel:		10.7			9.3			xxxxxx			9.5	
Delay Adj:		1.00			1.00			xxxxx			1.00	
ApprAdjDel:		10.7			9.3			xxxxxx			9.5	
LOS by Appr:		B			A			*			A	
AllWayAvgQ:	0.8	0.8	0.8	0.3	0.3	0.3	0.0	0.0	0.0	0.2	0.2	0.2

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

Intersection #98 El Camino Real/Acjachema

Cycle (sec):	100	Critical Vol./Cap.(X):	0.319
Loss Time (sec):	0	Average Delay (sec/veh):	8.6
Optimal Cycle:	0	Level Of Service:	A

Street Name:	El Camino Real						Acjachema St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module:2035 base pm												
Base Vol:	35	173	45	6	99	17	15	9	33	21	5	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	35	173	45	6	99	17	15	9	33	21	5	9
Added Vol:	2	1	0	0	0	0	0	0	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	37	174	45	6	99	17	15	9	34	21	5	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	39	183	47	6	104	18	16	9	36	22	5	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	183	47	6	104	18	16	9	36	22	5	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	39	183	47	6	104	18	16	9	36	22	5	9
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.14	0.68	0.18	0.05	0.81	0.14	0.26	0.15	0.59	0.60	0.14	0.26
Final Sat.:	122	574	149	40	658	113	193	116	437	419	100	180
Capacity Analysis Module:												
Vol/Sat:	0.32	0.32	0.32	0.16	0.16	0.16	0.08	0.08	0.08	0.05	0.05	0.05
Crit Moves:	****				****				****	****		
Delay/Veh:	9.1	9.1	9.1	8.1	8.1	8.1	7.8	7.8	7.8	8.0	8.0	8.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.1	9.1	9.1	8.1	8.1	8.1	7.8	7.8	7.8	8.0	8.0	8.0
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	9.1			8.1			7.8			8.0		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.1			8.1			7.8			8.0		
LOS by Appr:	A			A			A			A		
AllWayAvgQ:	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0

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

Intersection #99 Camino Capistrano/Acjachema St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.433
Loss Time (sec):	5	Average Delay (sec/veh):	6.7
Optimal Cycle:	45	Level Of Service:	A

Street Name:	Camino Capistrano						Acjachema St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	0 1	0	1 0	1 0	0	0 0	0 0	0 0	0 0	1! 0	0
Volume Module:2035 pm base												
Base Vol:	0	613	26	41	414	0	0	0	0	18	0	26
Growth Adj:	1.00	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	613	26	41	414	0	0	0	0	18	0	26
Added Vol:	0	1	0	1	-1	0	0	0	0	0	0	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	614	26	42	413	0	0	0	0	18	0	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	646	27	44	435	0	0	0	0	19	0	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	646	27	44	435	0	0	0	0	19	0	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	646	27	44	435	0	0	0	0	19	0	29
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.99	0.99	0.90	1.00	1.00	0.95	1.00	1.00	0.85	1.00	0.90
Lanes:	0.00	0.96	0.04	1.00	1.00	0.00	0.00	0.00	0.00	0.40	0.00	0.60
Final Sat.:	0	1812	77	1710	1900	0	0	0	0	655	0	1019
Capacity Analysis Module:												
Vol/Sat:	0.00	0.36	0.36	0.03	0.23	0.00	0.00	0.00	0.00	0.03	0.00	0.03
Crit Moves:		****		****						****		
Green/Cycle:	0.00	0.75	0.75	0.10	0.85	0.00	0.00	0.00	0.00	0.10	0.00	0.10
Volume/Cap:	0.00	0.48	0.48	0.26	0.27	0.00	0.00	0.00	0.00	0.29	0.00	0.29
Delay/Veh:	0.0	5.1	5.1	42.4	1.5	0.0	0.0	0.0	0.0	42.7	0.0	42.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	5.1	5.1	42.4	1.5	0.0	0.0	0.0	0.0	42.7	0.0	42.7
LOS by Move:	A	A	A	D	A	A	A	A	A	D	A	D
HCM2kAvgQ:	0	8	8	2	3	0	0	0	0	2	0	2

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

Intersection #3 I-5 SB Ramps/Ortega Hwy

Cycle (sec):	100	Critical Vol./Cap.(X):	0.925
Loss Time (sec):	5	Average Delay (sec/veh):	33.1
Optimal Cycle:	107	Level Of Service:	C

Street Name:	I-5 SB Ramps						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	0 0	0	1 0	1! 0	1	0 0	3 0	1	2 0	2 0	0
Volume Module:2035 sat base												
Base Vol:	0	0	0	681	5	706	0	1359	227	574	1069	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	681	5	706	0	1359	227	574	1069	0
Added Vol:	0	0	0	0	0	-42	0	-54	-42	0	-54	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	681	5	664	0	1305	185	574	1015	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	0	0	717	5	699	0	1374	195	604	1068	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	717	5	699	0	1374	195	604	1068	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	717	5	699	0	1374	195	604	1068	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	1.00	0.81	0.86	0.86	0.95	1.00	0.85	0.85	1.00	1.00
Lanes:	0.00	0.00	0.00	1.51	0.01	1.48	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	0	2335	12	2401	0	5700	1615	3230	3800	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.31	0.45	0.29	0.00	0.24	0.12	0.19	0.28	0.00
Crit Moves:					****			****		****		
Green/Cycle:	0.00	0.00	0.00	0.49	0.49	0.49	0.00	0.26	0.26	0.20	0.46	0.00
Volume/Cap:	0.00	0.00	0.00	0.63	0.93	0.60	0.00	0.93	0.46	0.93	0.61	0.00
Delay/Veh:	0.0	0.0	0.0	19.5	33.8	19.0	0.0	46.2	31.9	58.3	20.7	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:	0.0	0.0	0.0	19.5	33.8	19.0	0.0	46.2	31.9	58.3	20.7	0.0
LOS by Move:	A	A	A	B	C	B	A	D	C	E	C	A
HCM2kAvgQ:	0	0	0	12	26	11	0	18	5	14	13	0

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Intersection #6 El Cerritos-NB Ramp/Ortega Hwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.775
Loss Time (sec):	10	Average Delay (sec/veh):	36.5
Optimal Cycle:	69	Level Of Service:	D

Street Name:	El Cerritos-I-5 NB Ramps						Ortega Highway					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	1! 0	1	0 0	0 0	1	1 0	2 1	1	0 0	2 1	0
Volume Module:2035 Saturday Base												
Base Vol:	199	10	575	0	0	11	11	1470	642	0	2253	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	199	10	575	0	0	11	11	1470	642	0	2253	10
Added Vol:	-42	0	0	0	0	0	0	-12	-42	0	-12	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	157	10	575	0	0	11	11	1458	600	0	2241	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	165	11	605	0	0	12	12	1535	632	0	2359	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	165	11	605	0	0	12	12	1535	632	0	2359	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
FinalVolume:	165	11	605	0	0	12	12	1535	632	0	2359	11
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.88	0.88	0.88	1.00	1.00	0.87	0.95	0.96	0.96	1.00	1.00	1.00
Lanes:	0.35	0.02	1.63	0.00	0.00	1.00	1.00	2.83	1.17	0.00	2.99	0.01
Final Sat.:	574	37	2715	0	0	1644	1805	5147	2118	0	5669	25
Capacity Analysis Module:												
Vol/Sat:	0.29	0.29	0.22	0.00	0.00	0.01	0.01	0.30	0.30	0.00	0.42	0.42
Crit Moves:	****			****			****				****	
Green/Cycle:	0.31	0.31	0.31	0.00	0.00	0.08	0.08	0.41	0.41	0.00	0.44	0.44
Volume/Cap:	0.94	0.94	0.73	0.00	0.00	0.08	0.08	0.72	0.72	0.00	0.94	0.94
Delay/Veh:	58.5	58.5	39.7	0.0	0.0	51.0	51.0	30.5	30.5	0.0	39.5	39.5
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:	58.5	58.5	39.7	0.0	0.0	51.0	51.0	30.5	30.5	0.0	39.5	39.5
LOS by Move:	E	E	D	A	A	D	D	C	C	A	D	D
HCM2kAvgQ:	22	22	13	0	0	0	0	18	18	0	32	32

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Intersection #9 Del Obispo/Ortega Hwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.621
Loss Time (sec):	10	Average Delay (sec/veh):	22.1
Optimal Cycle:	50	Level Of Service:	C

Street Name:	Del Obispo St/Ortega Hwy East						Ortega Hwy West					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	2	1 0	1 0	2	0 1	2 0	0	1 0	0 0	1!	0 0
Volume Module:	New 2035 sat base											
Base Vol:	50	1127	0	0	1246	558	430	0	56	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	50	1127	0	0	1246	558	430	0	56	0	0	0
Added Vol:	-31	-158	0	0	-148	52	62	0	-33	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	19	969	0	0	1098	610	492	0	23	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	20	1020	0	0	1156	642	518	0	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	1020	0	0	1156	642	518	0	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	20	1020	0	0	1156	642	518	0	24	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	1.00	1.00	0.95	1.00	0.85	0.85	1.00	0.85	0.95	1.00	1.00
Lanes:	1.00	3.00	0.00	1.00	2.00	1.00	2.00	0.00	1.00	0.00	1.00	0.00
Final Sat.:	1710	5700	0	1800	3800	1615	3230	0	1615	0	1900	0
Capacity Analysis Module:												
Vol/Sat:	0.01	0.18	0.00	0.00	0.30	0.40	0.16	0.00	0.01	0.00	0.00	0.00
Crit Moves:	****					****	****					
Green/Cycle:	0.08	0.46	0.00	0.00	0.59	0.59	0.24	0.00	0.24	0.00	0.00	0.00
Volume/Cap:	0.14	0.39	0.00	0.00	0.51	0.67	0.67	0.00	0.06	0.00	0.00	0.00
Delay/Veh:	51.5	21.2	0.0	0.0	14.4	18.3	43.6	0.0	35.3	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	51.5	21.2	0.0	0.0	14.4	18.3	43.6	0.0	35.3	0.0	0.0	0.0
LOS by Move:	D	C	A	A	B	B	D	A	D	A	A	A
HCM2kAvgQ:	1	8	0	0	12	16	11	0	1	0	0	0

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Intersection #10 El Camino Real/Ortega Hwy

Cycle (sec):	90	Critical Vol./Cap.(X):	0.708
Loss Time (sec):	5	Average Delay (sec/veh):	17.1
Optimal Cycle:	39	Level Of Service:	B

Street Name:	El Camino Real						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0 0	1! 0	0	0	1 0	0 1	1 0	0 1	0	1 0	0 1	0
Volume Module:	New 2035 sat base											
Base Vol:	15	64	98	183	45	44	19	376	31	42	501	193
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	15	64	98	183	45	44	19	376	31	42	501	193
Added Vol:	4	3	12	16	1	3	4	0	3	-8	4	16
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	19	67	110	199	46	47	23	376	34	34	505	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	20	71	116	209	48	49	24	396	36	36	532	220
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	71	116	209	48	49	24	396	36	36	532	220
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	20	71	116	209	48	49	24	396	36	36	532	220
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.84	0.89	0.89	0.53	0.56	0.85	0.19	0.99	0.99	0.40	0.96	0.96
Lanes:	0.10	0.34	0.56	0.82	0.18	1.00	1.00	0.92	0.08	1.00	0.71	0.29
Final Sat.:	162	572	940	821	190	1615	360	1722	156	754	1285	532
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.12	0.26	0.26	0.03	0.07	0.23	0.23	0.05	0.41	0.41
Crit Moves:					****						****	
Green/Cycle:	0.36	0.36	0.36	0.36	0.36	0.36	0.58	0.58	0.58	0.58	0.58	0.58
Volume/Cap:	0.34	0.34	0.34	0.71	0.71	0.09	0.12	0.39	0.39	0.08	0.71	0.71
Delay/Veh:	21.3	21.3	21.3	31.0	31.0	19.1	8.6	10.3	10.3	8.2	15.5	15.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	21.3	21.3	21.3	31.0	31.0	19.1	8.6	10.3	10.3	8.2	15.5	15.5
LOS by Move:	C	C	C	C	C	B	A	B	B	A	B	B
HCM2kAvgQ:	4	4	4	8	8	1	0	6	6	1	16	16

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Intersection #11 Camino Capistrano/Ortega Hwy

Cycle (sec):	100	Critical Vol./Cap.(X):	0.453
Loss Time (sec):	5	Average Delay (sec/veh):	18.3
Optimal Cycle:	45	Level Of Service:	B

Street Name:	Camino Capistrano						Ortega Hwy					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Permitted			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	0	0 1	0 1	1	0 1	0 0	0	0 0	0 0	1	0 0	0 1
Volume Module:	New 2035 sat base											
Base Vol:	0	381	143	148	423	0	0	0	0	138	0	203
Growth Adj:	1.00	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	381	143	148	423	0	0	0	0	138	0	203
Added Vol:	0	-8	6	0	-8	0	0	0	0	11	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	373	149	148	415	0	0	0	0	149	0	203
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	393	157	156	437	0	0	0	0	157	0	214
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	393	157	156	437	0	0	0	0	157	0	214
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	393	157	156	437	0	0	0	0	157	0	214
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	0.90	1.00	1.00	0.95	1.00	1.00	0.90	1.00	0.85
Lanes:	0.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1900	1615	1710	1900	0	0	0	0	1710	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.21	0.10	0.09	0.23	0.00	0.00	0.00	0.00	0.09	0.00	0.13
Crit Moves:		****		****								****
Green/Cycle:	0.00	0.46	0.75	0.20	0.66	0.00	0.00	0.00	0.00	0.29	0.00	0.29
Volume/Cap:	0.00	0.45	0.13	0.45	0.35	0.00	0.00	0.00	0.00	0.31	0.00	0.45
Delay/Veh:	0.0	19.0	3.5	36.1	7.8	0.0	0.0	0.0	0.0	27.9	0.0	29.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	19.0	3.5	36.1	7.8	0.0	0.0	0.0	0.0	27.9	0.0	29.6
LOS by Move:	A	B	A	D	A	A	A	A	A	C	A	C
HCM2kAvgQ:	0	8	1	5	6	0	0	0	0	4	0	6

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Intersection #17 Camino Capistrano/Verdugo St

Cycle (sec):	100	Critical Vol./Cap.(X):	0.493
Loss Time (sec):	5	Average Delay (sec/veh):	15.6
Optimal Cycle:	45	Level Of Service:	B

Street Name:	Camino Capistrano						Verdugo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	1 0	1 0	0	0 0	0 1	0	1 0	0 0	1	0 0	0 0	0
Volume Module:	New 2035 sat base											
Base Vol:	67	445	0	0	469	86	87	0	65	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	67	445	0	0	469	86	87	0	65	0	0	0
Added Vol:	7	-20	0	0	-19	22	18	0	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	74	425	0	0	450	108	105	0	67	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	78	447	0	0	474	114	111	0	71	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	447	0	0	474	114	111	0	71	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	78	447	0	0	474	114	111	0	71	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.86	0.90	1.00	1.00	0.88	0.88	0.86	1.00	0.77	1.00	1.00	1.00
Lanes:	1.00	1.00	0.00	0.00	0.81	0.19	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1625	1710	0	0	1343	322	1625	0	1454	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.26	0.00	0.00	0.35	0.35	0.07	0.00	0.05	0.00	0.00	0.00
Crit Moves:	****				****		****					
Green/Cycle:	0.10	0.59	0.00	0.00	0.71	0.71	0.14	0.00	0.14	0.00	0.00	0.00
Volume/Cap:	0.48	0.45	0.00	0.00	0.49	0.49	0.49	0.00	0.35	0.00	0.00	0.00
Delay/Veh:	44.8	11.8	0.0	0.0	6.7	6.7	41.6	0.0	40.2	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	44.8	11.8	0.0	0.0	6.7	6.7	41.6	0.0	40.2	0.0	0.0	0.0
LOS by Move:	D	B	A	A	A	A	D	A	D	A	A	A
HCM2kAvgQ:	3	8	0	0	8	8	4	0	2	0	0	0

2010 San Juan Capistrano Master Plan - HCM Method
2035 Conditions with the Master Plan Projects
Weekend Saturday Peak

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

Intersection #48 Camino Capistrano/Forster Ln

Average Delay (sec/veh): 3.5 Worst Case Level Of Service: F[50.3]

Street Name:	Camino Capistrano									Forster Lane								
Approach:	North Bound				South Bound					East Bound					West Bound			
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1!	0	0
Volume Module:2035 sat base																				
Base Vol:	0	528	94	15	713	0	0	0	0	0	65	0	12							
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							
Initial Bse:	0	528	94	15	713	0	0	0	0	0	65	0	12							
Added Vol:	0	-12	16	9	-16	0	0	0	0	0	16	0	4							
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0	0							
Initial Fut:	0	516	110	24	697	0	0	0	0	0	81	0	16							
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00							
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95							
PHF Volume:	0	543	116	25	734	0	0	0	0	0	85	0	17							
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0							
FinalVolume:	0	543	116	25	734	0	0	0	0	0	85	0	17							
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx		6.4	6.5	6.2							
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx		3.5	4.0	3.3							
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	659	xxxx	xxxxx	xxxx	xxxx	xxxxx		1385	1385	601							
Potent Cap.:	xxxx	xxxx	xxxxx	939	xxxx	xxxxx	xxxx	xxxx	xxxxx		160	145	504							
Move Cap.:	xxxx	xxxx	xxxxx	939	xxxx	xxxxx	xxxx	xxxx	xxxxx		156	141	504							
Volume/Cap:	xxxx	xxxx	xxxx	0.03	xxxx	xxxx	xxxx	xxxx	xxxx		0.55	0.00	0.03							
Level Of Service Module:																				
2Way95thQ:	xxxx	xxxx	xxxxx	0.1	xxxx	xxxxx	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx							
Control Del:	xxxxx	xxxx	xxxxx	8.9	xxxx	xxxxx	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx							
LOS by Move:	*	*	*	A	*	*	*	*	*		*	*	*							
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT		LT -	LTR -	RT							
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx		xxxx	176	xxxxx							
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		xxxxx	3.1	xxxxx							
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx		xxxxx	50.3	xxxxx							
Shared LOS:	*	*	*	*	*	*	*	*	*		*	F	*							
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				50.3									
ApproachLOS:	*			*			*				F									

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

2010 San Juan Capistrano Master Plan - HCM Method
2035 Conditions with the Master Plan Projects
Weekend Saturday Peak

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

Intersection #58 Camino Capistrano/Del Obispo

Cycle (sec):	130	Critical Vol./Cap.(X):	0.782
Loss Time (sec):	5	Average Delay (sec/veh):	44.8
Optimal Cycle:	52	Level Of Service:	D

Street Name:	Camino Capistrano						Del Obispo St					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	10	10	10	10	10	10	10	10	10	10	10	10
Y+R:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lanes:	2 0	1 0	1	1 0	1 0	1	1 0	2 0	1	1 0	2 0	1
Volume Module:	New 2035 base sat											
Base Vol:	424	312	318	40	353	341	254	704	345	336	627	33
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	424	312	318	40	353	341	254	704	345	336	627	33
Added Vol:	-6	-6	-8	1	-6	3	3	-20	-6	-7	-17	-1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	418	306	310	41	347	344	257	684	339	329	610	32
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	440	322	326	43	365	362	271	720	357	346	642	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	440	322	326	43	365	362	271	720	357	346	642	34
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	440	322	326	43	365	362	271	720	357	346	642	34
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.85	1.00	0.85	0.90	1.00	0.85	0.90	1.00	0.85	0.90	1.00	0.85
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	3230	1900	1615	1710	1900	1615	1710	3800	1615	1710	3800	1615
Capacity Analysis Module:												
Vol/Sat:	0.14	0.17	0.20	0.03	0.19	0.22	0.16	0.19	0.22	0.20	0.17	0.02
Crit Moves:	****				****				****	****		
Green/Cycle:	0.17	0.30	0.30	0.12	0.25	0.51	0.26	0.28	0.28	0.26	0.28	0.28
Volume/Cap:	0.78	0.56	0.66	0.22	0.78	0.44	0.60	0.67	0.78	0.78	0.60	0.07
Delay/Veh:	58.3	39.1	42.9	52.7	54.1	20.7	44.4	42.9	51.5	53.5	41.6	34.5
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:	58.3	39.1	42.9	52.7	54.1	20.7	44.4	42.9	51.5	53.5	41.6	34.5
LOS by Move:	E	D	D	D	D	C	D	D	D	D	D	C
HCM2kAvgQ:	11	11	12	2	15	9	10	13	15	15	11	1