

Future No Project PM - HaydFri Jun 6, 2008 09:22:34

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8665 Hayden Place
Future 2010 No Project Conditions
PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Hayden Av & National Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.782

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 63 Level Of Service: C

Street Name: Hayden Av National Bl

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: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 1 0 1 0 0 0 0 0 1 1 0 1 0 2 0 0

-----|-----|-----|-----|

Volume Module:

Base Vol: 505 0 96 0 0 0 0 990 178 25 252 0

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 515 0 98 0 0 0 0 1010 182 26 257 0

Added Vol: 45 0 34 0 0 0 0 155 56 18 157 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 560 0 132 0 0 0 0 1165 238 44 414 0

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 560 0 132 0 0 0 0 1165 238 44 414 0

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 560 0 132 0 0 0 0 1165 238 44 414 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: 560 0 132 0 0 0 0 1165 238 44 414 0

-----|-----|-----|-----|

Saturation Flow Module:

Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600

Adjustment: 1.00 1.07 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Lanes: 1.62 0.00 0.38 0.00 0.00 0.00 0.00 1.66 0.34 1.00 2.00 0.00

Final Sat.: 2590 0 610 0 0 0 0 2658 542 1600 3200 0

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: 0.22 0.00 0.22 0.00 0.00 0.00 0.00 0.44 0.44 0.03 0.13 0.00

Crit Moves: **** **** ****

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

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*****
Intersection #5 Eastham Dr & National Bl
*****
Cycle (sec):      100      Critical Vol./Cap.(X):      0.480
Loss Time (sec):  10 (Y+R=4.0 sec)  Average Delay (sec/veh):      xxxxxx
Optimal Cycle:    38      Level Of Service:      A
*****
Street Name:      Eastham Dr      National Bl
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:    0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0
Lanes:      0 0 0 0 1 0 1 0 0 1 0 0 0 0 1 0 0
-----|-----|-----|-----|
Volume Module:
Base Vol:      0 0 68 0 0 0 0 1013 59 0 266 0
Growth Adj:    1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02
Initial Bse:    0 0 69 0 0 0 0 1033 60 0 271 0
Added Vol:      0 0 10 0 0 0 0 189 0 0 175 0
PasserByVol:    0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut:    0 0 79 0 0 0 0 1222 60 0 446 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
PHF Adj:      1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume:      0 0 79 0 0 0 0 1222 60 0 446 0
Reduct Vol:      0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol:      0 0 79 0 0 0 0 1222 60 0 446 0
PCE Adj:      1.00 1.00 1.00 1.00 1.00 1.00 2.00 1.00 1.00 1.00 1.00
MLF Adj:      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 79 0 0 0 0 1222 60 0 446 0
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500
Adjustment:    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 0.00 1.00 0.00 1.00 0.00 0.00 1.91 0.09 0.00 1.00 0.00
Final Sat.:    0 0 1500 0 1500 0 0 2859 141 0 1500 0
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:      0.00 0.00 0.05 0.00 0.00 0.00 0.00 0.43 0.43 0.00 0.30 0.00
Crit Volume:      79 0 641 0
Crit Moves:      ****      ****      ****
*****

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Level Of Service Computation Report

2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 Hayden Av & Warner Drive

Average Delay (sec/veh): 3.8 Worst Case Level Of Service: C[17.2]

Street Name:		Hayden Av						Warner Drive						
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	0	0	0	0	0	1	0	0

Volume Module:												
Base Vol:	0	398	89	60	103	0	0	0	0	46	0	33
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	406	91	61	105	0	0	0	0	47	0	34
Added Vol:	0	33	11	65	9	0	0	0	0	7	0	47
PasserByVol:	0	-3	0	0	-17	0	0	0	0	0	0	0
Initial Fut:	0	436	102	126	97	0	0	0	0	54	0	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	436	102	126	97	0	0	0	0	54	0	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	436	102	126	97	0	0	0	0	54	0	81

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:												
Cnflct Vol:	xxxxx	xxxx	xxxxx	538	xxxx	xxxxx	xxxxx	xxxx	xxxxx	836	836	487
Potent Cap.:	xxxxx	xxxx	xxxxx	1041	xxxx	xxxxx	xxxxx	xxxx	xxxxx	340	305	585
Move Cap.:	xxxxx	xxxx	xxxxx	1041	xxxx	xxxxx	xxxxx	xxxx	xxxxx	306	265	585
Volume/Cap:	xxxxx	xxxx	xxxxx	0.12	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.18	0.00	0.14

Level Of Service Module:												
2Way95thQ:	xxxxx	xxxx	xxxxx	0.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxxx	xxxxx
Control Del:	xxxxx	xxxx	xxxxx	8.9	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	428	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	0.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	1.3	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	8.9	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	17.2	xxxxx
Shared LOS:	*	*	*	A	*	*	*	*	*	*	C	*
ApproachDel:	xxxxxxx			xxxxxxx			xxxxxxx			17.2		
ApproachLOS:	*			*			*			C		

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

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Level Of Service Computation Report

2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 Eastham Drive & Warner Drive

Average Delay (sec/veh): 4.9 Worst Case Level Of Service: B[10.2]

Street Name:	Eastham Drive						Warner Drive					
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	1	0	0	0	1	0	0	1	0	0	0

Volume Module:

Base Vol:	41	37	0	0	163	6	8	0	129	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	42	38	0	0	166	6	8	0	132	0	0	0
Added Vol:	15	1	0	0	0	0	9	0	14	0	0	0
PasserByVol:	0	-4	0	0	0	0	0	0	0	0	0	0
Initial Fut:	57	35	0	0	166	6	17	0	146	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	57	35	0	0	166	6	17	0	146	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	57	35	0	0	166	6	17	0	146	0	0	0

Critical Gap Module:

Critical Gp:	4.1	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	6.4	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	3.5	4.0	3.3	3.5	4.0	3.3

Capacity Module:

Cnflict Vol:	172	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	318	318	169	390	321	35
Potent Cap.:	1417	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	680	602	880	572	600	1044
Move Cap.:	1417	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	658	577	880	462	575	1044
Volume/Cap:	0.04	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	0.03	0.00	0.17	0.00	0.00	0.00

Level Of Service Module:

2Way95thQ:	0.1	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx
Control Del:	7.6	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx
LOS by Move:	A	*	*	*	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxx	850	xxxxxx	xxxx	0	xxxxxx
SharedQueue:	0.1	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	0.7	xxxxxx	xxxxxx	xxxxxx	xxxxxx
Shrd ConDel:	7.6	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	10.2	xxxxxx	xxxxxx	xxxxxx	xxxxxx
Shared LOS:	A	*	*	*	*	*	*	B	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			10.2		xxxxxx			
ApproachLOS:	*			*			B		*			*

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

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Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

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*****
Intersection #8 Lucerne Av & Higuera St
*****
Cycle (sec):      100      Critical Vol./Cap.(X):      0.427
Loss Time (sec):   10 (Y+R=4.0 sec)  Average Delay (sec/veh):      10.3
Optimal Cycle:     0      Level Of Service:      B
*****
Street Name:      Lucerne Av      Higuera 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:      0 0 0      0 0 0      0 0 0      0 0 0
Lanes:      0 0 1! 0 0      0 0 0 1 0      0 0 1! 0 0      0 1 0 0 0
-----|-----|-----|-----|
Volume Module:
Base Vol:      112 1 97      0 2 1      2 161 123      82 126 0
Growth Adj:      1.02 1.02 1.02      1.02 1.02 1.02      1.02 1.02 1.02      1.02 1.02 1.02
Initial Bse:      114 1 99      0 2 1      2 164 125      84 129 0
Added Vol:      1 0 6      0 0 0      0 36 1      3 13 0
PasserByVol:      0 0 0      0 0 0      0 0 0      0 0 0
Initial Fut:      115 1 105      0 2 1      2 200 126      87 142 0
User Adj:      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00
PHF Adj:      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00
PHF Volume:      115 1 105      0 2 1      2 200 126      87 142 0
Reduct Vol:      0 0 0      0 0 0      0 0 0      0 0 0
Reduced Vol:      115 1 105      0 2 1      2 200 126      87 142 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:      115 1 105      0 2 1      2 200 126      87 142 0
-----|-----|-----|-----|
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:      0.52 0.01 0.47      0.00 0.67 0.33      0.01 0.61 0.38      0.38 0.62 0.00
Final Sat.:      352 3 321      0 397 198      5 469 296      267 436 0
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:      0.33 0.33 0.33      xxxx 0.01 0.01      0.43 0.43 0.43      0.32 0.32 xxxx
Crit Moves:      ****      ****      ****      ****
Delay/Veh:      10.1 10.1 10.1      0.0 8.3 8.3      10.7 10.7 10.7      10.1 10.1 0.0
Delay Adj:      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00
AdjDel/Veh:      10.1 10.1 10.1      0.0 8.3 8.3      10.7 10.7 10.7      10.1 10.1 0.0
LOS by Move:      B B B      * A A      B B B      B B *
ApproachDel:      10.1      8.3      10.7      10.1
Delay Adj:      1.00      1.00      1.00      1.00
ApprAdjDel:      10.1      8.3      10.7      10.1
LOS by Appr:      B      A      B      B
AllWayAvgQ:      0.4 0.4 0.4      0.0 0.0 0.0      0.7 0.7 0.7      0.4 0.4 0.4
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Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

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*****
Intersection #9 Hayden Av & Higuera St
*****
Cycle (sec):          100          Critical Vol./Cap. (X):          0.465
Loss Time (sec):      10 (Y+R=4.0 sec)  Average Delay (sec/veh):      11.2
Optimal Cycle:        0          Level Of Service:          B
*****
Street Name:          Hayden Av          Higuera 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:            0    0    0        0    0    0        0    0    0        0    0    0
Lanes:                 0    0    1    0      0    0    1    0      0    1    0    1    0
-----|-----|-----|-----|
Volume Module:
Base Vol:              0   136   163        0   38   123      111   1   79      21   1   239
Growth Adj:            1.02 1.02  1.02      1.02 1.02  1.02      1.02 1.02  1.02  1.02 1.02  1.02
Initial Bse:           0   139   166        0   39   125      113   1   81      21   1   244
Added Vol:             0    0    0          0    0   16       42   0   0        0    0   1
PasserByVol:          0    0    0          0    0   0        0    0   0        0    0   0
Initial Fut:           0   139   166        0   39   141      155   1   81      21   1   245
User Adj:              1.00 1.00  1.00      1.00 1.00  1.00      1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:               1.00 1.00  1.00      1.00 1.00  1.00      1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:            0   139   166        0   39   141      155   1   81      21   1   245
Reduct Vol:            0    0    0          0    0   0        0    0   0        0    0   0
Reduced Vol:           0   139   166        0   39   141      155   1   81      21   1   245
PCE Adj:               1.00 1.00  1.00      1.00 1.00  1.00      1.00 1.00  1.00  1.00 1.00  1.00
MLF Adj:               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   139   166        0   39   141      155   1   81      21   1   245
-----|-----|-----|-----|
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 0.45  0.55      0.00 0.22  0.78      1.00 0.32  0.68  0.16 0.84  1.00
Final Sat.:            0   298   357        0   135  493      515  191  407      88  462  626
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:              xxxx 0.47   0.47      xxxx 0.29   0.29      0.30 0.01   0.20   0.24 0.00   0.39
Crit Moves:           ****          ****          ****          ****
Delay/Veh:             0.0 12.2   12.2        0.0 10.1   10.1      11.9  9.1   9.1   9.1  9.1   11.2
Delay Adj:             1.00 1.00  1.00      1.00 1.00  1.00      1.00 1.00  1.00  1.00 1.00  1.00
AdjDel/Veh:            0.0 12.2   12.2        0.0 10.1   10.1      11.9  9.1   9.1   9.1  9.1   11.2
LOS by Move:           *    B    B          *    B    B          B    A    A    A    A    B
ApproachDel:           12.2          10.1          10.9          11.0
Delay Adj:              1.00          1.00          1.00          1.00
ApprAdjDel:            12.2          10.1          10.9          11.0
LOS by Appr:           B          B          B          B
AllWayAvgQ:            0.7  0.7   0.7        0.3  0.3   0.3        0.4  0.1   0.1   0.0  0.5   0.5
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Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

 Intersection #10 Eastham Drive & Higuera Street

Cycle (sec): 100 Critical Vol./Cap.(X): 0.404
 Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxxx
 Optimal Cycle: 29 Level Of Service: A

Street Name:	Eastham Drive						Higuera Street					
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:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	0

Volume Module:	Eastham Drive			Eastham Drive			Higuera Street			Higuera Street		
Base Vol.:	0	0	0	277	0	17	10	241	0	0	274	61
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	0	0	283	0	17	10	246	0	0	279	62
Added Vol:	0	0	0	14	0	0	0	0	0	0	1	16
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	297	0	17	10	246	0	0	280	78
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	297	0	17	10	246	0	0	280	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	297	0	17	10	246	0	0	280	78
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	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	297	0	17	10	246	0	0	280	78

Saturation Flow Module:	Eastham Drive			Eastham Drive			Higuera Street			Higuera Street		
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
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	0.00	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.56	0.44
Final Sat.:	0	0	0	1600	0	1600	1600	3200	0	0	2502	698

Capacity Analysis Module:	Eastham Drive			Eastham Drive			Higuera Street			Higuera Street		
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.01	0.01	0.08	0.00	0.00	0.11	0.11
Crit Moves:	****			****			****			****		

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Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lucerne Ave & Duquesne Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 1.125
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 53.7
Optimal Cycle: 0 Level Of Service: F

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

Volume Module:													
Base Vol:	0	0	0	194	0	81	69	501	0	0	331	162	
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	
Initial Bse:	0	0	0	198	0	83	70	511	0	0	338	165	
Added Vol:	0	0	0	16	0	0	0	126	0	0	41	7	
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0	
Initial Fut:	0	0	0	214	0	83	70	637	0	0	379	172	
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Volume:	0	0	0	214	0	83	70	637	0	0	379	172	
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	
Reduced Vol:	0	0	0	214	0	83	70	637	0	0	379	172	
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Final Volume:	0	0	0	214	0	83	70	637	0	0	379	172	

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	0.00	0.00	0.72	0.00	0.28	0.10	0.90	0.00	0.00	1.00	1.00	
Final Sat.:	0	0	0	395	0	152	63	566	0	0	567	637	

Capacity Analysis Module:													
Vol/Sat:	xxxx	xxxx	xxxx	0.54	xxxx	0.54	1.12	1.12	xxxx	xxxx	0.67	0.27	
Crit Moves:				****			****				****		
Delay/Veh:	0.0	0.0	0.0	16.6	0.0	16.6	97.6	97.6	0.0	0.0	20.5	10.3	
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
AdjDel/Veh:	0.0	0.0	0.0	16.6	0.0	16.6	97.6	97.6	0.0	0.0	20.5	10.3	
LOS by Move:	*	*	*	C	*	C	F	F	*	*	C	B	
ApproachDel:	xxxxxx			16.6			97.6				17.3		
Delay Adj:	xxxxxx			1.00			1.00				1.00		
ApprAdjDel:	xxxxxx			16.6			97.6				17.3		
LOS by Appr:	*			C			F				C		
AllWayAvgQ:	0.0	0.0	0.0	1.1	1.1	1.1	15.5	15.5	15.5	0.0	1.8	0.4	

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Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #12 Jefferson Bl & Duquesne Av

Cycle (sec): 100 Critical Vol./Cap.(X): 0.896
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 98 Level Of Service: D

Jefferson Bl						Duquesne Av						
North Bound			South Bound			East Bound			West Bound			
Approach:	L	T	R	L	T	R	L	T	R	L	T	R
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:												
Base Vol:	311	1279	17	24	729	208	416	53	307	18	29	23
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	317	1305	17	24	744	212	424	54	313	18	30	23
Added Vol:	41	245	0	0	164	8	11	0	131	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	358	1550	17	24	908	220	435	54	444	18	30	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	358	1550	17	24	908	220	435	54	444	18	30	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	358	1550	17	24	908	220	435	54	444	18	30	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:	358	1550	17	24	908	220	435	54	444	18	30	23
OvlAdjVol:	86											

Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.98	0.02	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1600	3165	35	1600	3200	1600	1600	1600	1600	1600	1600	1600

Capacity Analysis Module:												
Vol/Sat:	0.22	0.49	0.49	0.02	0.28	0.14	0.27	0.03	0.28	0.01	0.02	0.01
OvlAdjV/S:	0.05											
Crit Moves:	****	****					****	****				

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

 Intersection #13 Robertson Bl & Venice Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 0.987
 Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 180 Level Of Service: E

 Street Name: Robertson Bl Venice Bl
 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 Ovl Include Include
 Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
 Lanes: 1 0 2 0 1 0 1 1 0 1 2 0 3 0 1 1 0 3 0 1

Volume Module:
 Base Vol: 143 261 48 228 232 368 482 2427 118 52 1611 85
 Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02
 Initial Bse: 146 266 49 233 237 375 492 2476 120 53 1643 87
 Added Vol: 7 52 2 30 64 28 0 133 3 8 49 27
 PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
 Initial Fut: 153 318 51 263 301 403 492 2609 123 61 1692 114
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Volume: 153 318 51 263 301 403 492 2609 123 61 1692 114
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Reduced Vol: 153 318 51 263 301 403 492 2609 123 61 1692 114
 PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.10 1.00 1.00 1.00 1.00 1.00
 Final Volume: 153 318 51 263 301 403 541 2609 123 61 1692 114

Saturation Flow Module:
 Sat/Lane: 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375
 Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Lanes: 1.00 2.00 1.00 0.93 1.07 1.00 2.00 3.00 1.00 1.00 3.00 1.00
 Final Sat.: 1375 2750 1375 1282 1468 1375 2750 4125 1375 1375 4125 1375

Capacity Analysis Module:
 Vol/Sat: 0.11 0.12 0.04 0.20 0.20 0.29 0.20 0.63 0.09 0.04 0.41 0.08
 Crit Volume: 159 262 870 61
 Crit Moves: ****

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #14 National Bl & Venice Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 0.948
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Street Name: National Bl Venice Bl
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Prot+Permit Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 1 0 1 0 1 1 0 2 0 3 0 1 2 0 3 0 1

Volume Module:
Base Vol: 143 505 58 144 722 113 151 2332 249 48 1595 86
Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02
Initial Bse: 146 515 59 147 736 115 154 2379 254 49 1627 88
Added Vol: -3 75 1 1 12 4 14 170 1 3 69 6
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 143 590 60 148 748 119 168 2549 255 52 1696 94
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 143 590 60 148 748 119 168 2549 255 52 1696 94
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 143 590 60 148 748 119 168 2549 255 52 1696 94
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.10 1.00 1.00 1.10 1.00 1.00
Final Volume: 143 590 60 148 748 119 185 2549 255 57 1696 94

Saturation Flow Module:
Sat/Lane: 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 1.81 0.19 1.00 1.73 0.27 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.: 1425 2586 264 1425 2458 392 2850 4275 1425 2850 4275 1425

Capacity Analysis Module:
Vol/Sat: 0.10 0.23 0.23 0.10 0.30 0.30 0.06 0.60 0.18 0.02 0.40 0.07
Crit Volume: 375 148 850 29
Crit Moves: **** **** **** ****

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

 Intersection #15 La Cienega Bl & Fairfax/Blackwelder

Cycle (sec): 100 Critical Vol./Cap. (X): 0.852
 Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 180 Level Of Service: D

Street Name:	La Cienega Bl				Fairfax Av/Blackwelder St				
Approach:	North Bound		South Bound		East Bound		West Bound		
Movement:	L	T	R	L	T	R	L	T	R
Control:	Permitted		Permitted		Split Phase		Split Phase		
Rights:	Ignore		Include		Include		Include		
Min. Green:	0	0	0	0	0	0	0	0	
Lanes:	1	0	1	1	1	0	0	0	

Volume Module:

Base Vol:	10	1207	1401	0	1607	8	33	0	6	931	5	8
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	10	1231	1429	0	1639	8	34	0	6	950	5	8
Added Vol:	0	70	125	0	133	0	0	0	0	107	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	1301	1554	0	1772	8	34	0	6	1057	5	8
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	1301	0	0	1772	8	34	0	6	1057	5	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	1301	0	0	1772	8	34	0	6	1057	5	8
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00
Final Volume:	10	1301	0	0	1772	8	34	0	6	1162	5	8

Saturation Flow Module:

Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	0.00	2.99	0.01	0.85	0.00	0.15	2.00	0.38	0.62
Final Sat.:	1425	2850	1425	0	4255	20	1206	0	219	2850	548	877

Capacity Analysis Module:

Vol/Sat:	0.01	0.46	0.00	0.00	0.42	0.42	0.03	0.00	0.03	0.41	0.01	0.01
Crit Volume:	651			0			40		581			
Crit Moves:	***			***			***		***			

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #16 Jefferson Bl & National Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 0.707
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 64 Level Of Service: C

Street Name:		Jefferson Bl				National Bl				
Approach:		North Bound		South Bound		East Bound		West Bound		
Movement:		L	T	R	L	T	R	L	T	R
Control:		Permitted		Permitted		Split Phase		Split Phase		
Rights:		Ovl		Include		Include		Include		
Min. Green:		0	0	0	0	0	0	0	0	0
Lanes:		1	0	0	0	2	0	0	0	0

Volume Module:												
Base Vol:	0	0	890	0	0	0	0	776	254	381	244	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	0	908	0	0	0	0	792	259	389	249	0
Added Vol:	81	0	111	0	0	0	0	104	97	106	97	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	81	0	1019	0	0	0	0	896	356	495	346	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	81	0	1019	0	0	0	0	896	356	495	346	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	0	1019	0	0	0	0	896	356	495	346	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	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00
Final Volume:	81	0	1121	0	0	0	0	896	392	544	346	0

Saturation Flow Module:												
Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	2.00	1.00	1.83	1.17
Final Sat.:	1425	0	2850	0	0	0	0	0	2850	1425	2614	1661

Capacity Analysis Module:												
Vol/Sat:	0.06	0.00	0.39	0.00	0.00	0.00	0.00	0.31	0.27	0.21	0.21	0.00
Crit Volume:			560		0			448		0		
Crit Moves:			****					****		****		

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

 Intersection #17 La Cienega Bl & Jefferson Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 1.081
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 180 Level Of Service: F

Street Name:	La Cienega Bl				Jefferson Bl				
Approach:	North Bound		South Bound		East Bound		West Bound		
Movement:	L	T	R	L	T	R	L	T	R
Control:	Permitted		Permitted		Protected		Protected		
Rights:	Include		Ovl		Include		Include		
Min. Green:	0	0	0	0	0	0	0	0	0
Lanes:	1	0	2	1	0	1	2	0	2

Volume Module:	La Cienega Bl				Jefferson Bl							
Base Vol:	41	2011	243	42	2233	199	587	791	247	166	390	72
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	42	2051	248	43	2278	203	599	807	252	169	398	73
Added Vol:	29	61	9	-4	135	110	136	62	17	5	65	-2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	71	2112	257	39	2413	313	735	869	269	174	463	71
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	71	2112	257	39	2413	313	735	869	269	174	463	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	71	2112	257	39	2413	313	735	869	269	174	463	71
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.10	1.00	1.00
Final Volume:	71	2112	257	39	2413	313	808	869	269	192	463	71

Saturation Flow Module:	La Cienega Bl				Jefferson Bl							
Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.67	0.33	1.00	3.00	1.00	2.00	1.53	0.47	2.00	2.00	1.00
Final Sat.:	1425	3811	464	1425	4275	1425	2850	2176	674	2850	2850	1425

Capacity Analysis Module:	La Cienega Bl				Jefferson Bl							
Vol/Sat:	0.05	0.55	0.55	0.03	0.56	0.22	0.28	0.40	0.40	0.07	0.16	0.05
Crit Volume:	71			804			569			96		
Crit Moves:	****			****			****			****		

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

 Intersection #18 Jefferson Bl & Higuera/Rodeo

Cycle (sec): 100 Critical Vol./Cap. (X): 0.794
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 90 Level Of Service: C

Street Name:	Jefferson Bl						Higuera St/Rodeo Rd					
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			Split Phase			Split Phase		
Rights:	Ignore			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0	2	0	1		1	0	2	0	1	

Volume Module:	Jefferson Bl NB			Jefferson Bl SB			Higuera St EB			Higuera St WB		
Base Vol:	45	674	910	219	470	56	43	389	86	398	246	42
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	46	687	928	223	479	57	44	397	88	406	251	43
Added Vol:	12	177	68	19	122	0	0	5	9	40	5	4
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	58	864	996	242	601	57	44	402	97	446	256	47
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	58	864	0	242	601	57	44	402	97	446	256	47
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	864	0	242	601	57	44	402	97	446	256	47
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00
Final Volume:	58	864	0	242	601	57	44	402	97	491	256	47

Saturation Flow Module:	Jefferson Bl NB			Jefferson Bl SB			Higuera St EB			Higuera St WB		
Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00
Final Sat.:	1425	2850	1425	1425	2850	1425	1425	2850	1425	2850	1425	1425

Capacity Analysis Module:	Jefferson Bl NB			Jefferson Bl SB			Higuera St EB			Higuera St WB		
Vol/Sat:	0.04	0.30	0.00	0.17	0.21	0.04	0.03	0.14	0.07	0.17	0.18	0.03
Crit Volume:	432			242			201			256		
Crit Moves:	****			****			****			****		

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8665 Hayden Place
 Future 2010 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #19 La Cienega Bl & Rodeo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 1.136 1.137
 Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 180 Level Of Service: F

Street Name:	La Cienega Bl				Rodeo Rd				
Approach:	North Bound		South Bound		East Bound		West Bound		
Movement:	L	T	R	L	T	R	L	T	R
Control:	Protected		Protected		Prot+Permit		Protected		
Rights:	Include		Include		Ovl		Ovl		
Min. Green:	0	0	0	0	0	0	0	0	
Lanes:	2	0	2	1	0	1	2	0	2

Volume Module:	La Cienega Bl				Rodeo Rd							
Base Vol:	210	1903	130	322	2274	88	182	913	435	186	496	181
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	214	1941	133	328	2319	90	186	931	444	190	506	185
Added Vol:	7	47	0	7	122	27	43	34	15	0	14	10
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	221	1988	133	335	2441	117	229	965	459	190	520	195
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	221	1988	133	335	2441	117	229	965	459	190	520	195
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	221	1988	133	335	2441	117	229	965	459	190	520	195
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00
Final Volume:	243	1988	133	369	2441	117	229	965	459	209	520	195

Saturation Flow Module:	La Cienega Bl				Rodeo Rd							
Sat/Lane:	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375
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:	2.00	2.81	0.19	2.00	2.86	0.14	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2750	3867	258	2750	3937	188	1375	2750	1375	2750	2750	1375

Capacity Analysis Module:	La Cienega Bl				Rodeo Rd							
Vol/Sat:	0.09	0.51	0.51	0.13	0.62	0.62	0.17	0.35	0.33	0.08	0.19	0.14
Crit Volume:	122			853			483			104		
Crit Moves:	****			****			****			****		

APPENDIX E
Intersection Level-of-Service Worksheets
Ambient Growth and Related Projects and Project Conditions (Year 2010)

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Robertson Bl & Washington Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.840
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 77 Level Of Service: D

Street Name:		Robertson Bl				Washington Bl			
Approach:	North Bound	South Bound			East Bound			West Bound	
Movement:	L - T - R	L - T - R	L - T - R	L - T - R	L - T - R	L - T - R	L - T - R		
Control:	Protected	Protected			Permitted			Permitted	
Rights:	Include	Include			Include			Include	
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0		
Lanes:	1 0 1 1 0	1 0 1 0 1	1 0 1 1 0	1 0 1 1 0	1 0 1 1 0	1 0 1 1 0	1 0 1 1 0		

Volume Module:												
Base Vol:	26	259	122	117	217	44	42	480	44	106	767	312
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	27	264	124	119	221	45	43	490	45	108	782	318
Added Vol:	4	2	0	88	10	1	9	204	17	0	345	14
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	31	266	124	207	231	46	52	694	62	108	1127	332
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	31	266	124	207	231	46	52	694	62	108	1127	332
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	266	124	207	231	46	52	694	62	108	1127	332
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	31	266	124	207	231	46	52	694	62	108	1127	332

Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.36	0.64	1.00	1.00	1.00	1.00	1.84	0.16	1.00	1.54	0.46
Final Sat.:	1600	2181	1019	1600	1600	1600	1600	2938	262	1600	2472	728

Capacity Analysis Module:												
Vol/Sat:	0.02	0.12	0.12	0.13	0.14	0.03	0.03	0.24	0.24	0.07	0.46	0.46
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 National Bl & Washington Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.898

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 99 Level Of Service: D

Street Name: National Bl Washington Bl

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: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 2 0 1 1 0 2 0 1 1 0 1 0 2 0 1

-----|-----|-----|-----|

Volume Module:

Base Vol: 296 751 83 116 708 41 14 563 129 120 818 167

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 302 766 85 118 722 42 14 574 132 122 834 170

Added Vol: 101 25 6 -10 42 2 3 158 195 18 430 4

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 403 791 91 108 764 44 17 732 327 140 1264 174

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 403 791 91 108 764 44 17 732 327 140 1264 174

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 403 791 91 108 764 44 17 732 327 140 1264 174

PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Final Volume: 403 791 91 108 764 44 17 732 327 140 1264 174

-----|-----|-----|-----|

Saturation Flow Module:

Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600

Adjustment: 0.90 1.00 1.00 0.90 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Lanes: 2.00 1.79 0.21 2.00 1.89 0.11 1.00 2.00 1.00 1.00 2.00 1.00

Final Sat.: 2880 2871 329 2880 3026 174 1600 3200 1600 1600 3200 1600

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: 0.14 0.28 0.28 0.04 0.25 0.25 0.01 0.23 0.20 0.09 0.40 0.11

Crit Moves: **** **** **** ****

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Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 La Cienega Bl & Washington Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 1.184

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 180 Level Of Service: F

Street Name: La Cienega Bl Washington Bl

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: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 1 0 2 1 0 1 0 2 1 0 1 0 2 0 1 1 0 2 0 1

-----|-----|-----|-----|

Volume Module:

Base Vol: 258 1531 20 115 1266 37 51 557 96 59 1278 303

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 263 1562 20 117 1291 38 52 568 98 60 1304 309

Added Vol: 125 19 2 1 55 23 33 125 21 3 280 9

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 388 1581 22 118 1346 61 85 693 119 63 1584 318

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 388 1581 22 118 1346 61 85 693 119 63 1584 318

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 388 1581 22 118 1346 61 85 693 119 63 1584 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

Final Volume: 388 1581 22 118 1346 61 85 693 119 63 1584 318

-----|-----|-----|-----|

Saturation Flow Module:

Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600

Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Lanes: 1.00 2.96 0.04 1.00 2.87 0.13 1.00 2.00 1.00 1.00 2.00 1.00

Final Sat.: 1600 4733 67 1600 4593 207 1600 3200 1600 1600 3200 1600

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: 0.24 0.33 0.33 0.07 0.29 0.29 0.05 0.22 0.07 0.04 0.49 0.20

Crit Moves: **** **** **** ****

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Hayden Av & National Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.733

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 55 Level Of Service: C

Street Name:	Hayden Av						National Bl					
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:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0	1	0	0	0	0	0	1	1	0	2

Volume Module:	Hayden Av NB			Hayden Av SB			National Bl EB			National Bl WB		
Base Vol:	505	0	44	0	0	0	0	663	162	118	775	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	515	0	45	0	0	0	0	676	165	120	791	0
Added Vol:	16	0	11	0	0	0	0	189	56	56	109	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	531	0	56	0	0	0	0	865	221	176	900	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	531	0	56	0	0	0	0	865	221	176	900	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	531	0	56	0	0	0	0	865	221	176	900	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	531	0	56	0	0	0	0	865	221	176	900	0

Saturation Flow Module:	Hayden Av NB			Hayden Av SB			National Bl EB			National Bl WB		
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.07	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.81	0.00	0.19	0.00	0.00	0.00	0.00	1.59	0.41	1.00	2.00	0.00
Final Sat.:	2895	0	305	0	0	0	0	2548	652	1600	3200	0

Capacity Analysis Module:	Hayden Av NB			Hayden Av SB			National Bl EB			National Bl WB		
Vol/Sat:	0.18	0.00	0.18	0.00	0.00	0.00	0.00	0.34	0.34	0.11	0.28	0.00
Crit Moves:	****						****			****		

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)

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*****
Intersection #5 Eastham Dr & National Bl
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.796
Loss Time (sec):      10 (Y+R=4.0 sec)  Average Delay (sec/veh):      xxxxxx
Optimal Cycle:        98          Level Of Service:          C
*****
Street Name:          Eastham Dr          National Bl
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:            0    0    0          0    0    0          0    0    0          0    0    0
Lanes:                 0    0    0    1          0    1    0    0          0    1    0    1          0    0    1    0
-----|-----|-----|-----|
Volume Module:
Base Vol:              0    0    26          0    0    0          0  486  121          0  979    0
Growth Adj:            1.02 1.02 1.02          1.02 1.02 1.02          1.02 1.02 1.02          1.02 1.02 1.02
Initial Bse:            0    0    27          0    0    0          0  496  123          0  999    0
Added Vol:              0    0    4          0    0    0          0  199    0          0  165    0
PasserByVol:           0    0    0          0    0    0          0    0    0          0    0    0
Initial Fut:           0    0    31          0    0    0          0  695  123          0 1164    0
User Adj:              1.00 1.00 1.00          1.00 1.00 1.00          1.00 1.00 1.00          1.00 1.00 1.00
PHF Adj:               1.00 1.00 1.00          1.00 1.00 1.00          1.00 1.00 1.00          1.00 1.00 1.00
PHF Volume:            0    0    31          0    0    0          0  695  123          0 1164    0
Reduct Vol:            0    0    0          0    0    0          0    0    0          0    0    0
Reduced Vol:           0    0    31          0    0    0          0  695  123          0 1164    0
PCE Adj:               1.00 1.00 1.00          1.00 1.00 1.00          6.00 1.00 1.00          1.00 1.00 1.00
MLF Adj:               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    31          0    0    0          0  695  123          0 1164    0
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:              1500 1500 1500          1500 1500 1500          1500 1500 1500          1500 1500 1500
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 0.00 1.00          0.00 1.00 0.00          0.00 1.70 0.30          0.00 1.00 0.00
Final Sat.:            0    0  1500          0 1500    0          0 2547  453          0 1500    0
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:               0.00 0.00 0.02          0.00 0.00 0.00          0.00 0.27 0.27          0.00 0.78 0.00
Crit Volume:           31    0          0          1164
Crit Moves:            ****          ****          ****
*****

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 Hayden Av & Warner Drive

Average Delay (sec/veh): 10.9 Worst Case Level Of Service: F[68.7]

Street Name: Hayden Av Warner Drive
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 0 1 0 0 0 0 0 0 0 1 0 0
-----|-----|-----|-----|

Volume Module:
Base Vol: 0 578 110 69 201 0 0 0 0 150 0 24
Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02
Initial Bse: 0 590 112 70 205 0 0 0 0 153 0 24
Added Vol: 0 14 4 26 86 0 0 0 0 2 0 13
PasserByVol: 0 -1 0 0 -7 0 0 0 0 0 0 0
Initial Fut: 0 603 116 96 284 0 0 0 0 155 0 37
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 603 116 96 284 0 0 0 0 155 0 37
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
FinalVolume: 0 603 116 96 284 0 0 0 0 155 0 37
-----|-----|-----|-----|

Critical Gap Module:
Critical Gp:xxxxx xxxxx xxxxx 4.1 xxxxx xxxxx xxxxx xxxxx xxxxx 6.4 6.5 6.2
FollowUpTim:xxxxx xxxxx xxxxx 2.2 xxxxx xxxxx xxxxx xxxxx xxxxx 3.5 4.0 3.3
-----|-----|-----|-----|

Capacity Module:
Cnflct Vol: xxxxx xxxxx xxxxx 719 xxxxx xxxxx xxxxx xxxxx xxxxx 1137 1137 661
Potent Cap.: xxxxx xxxxx xxxxx 892 xxxxx xxxxx xxxxx xxxxx xxxxx 225 203 466
Move Cap.: xxxxx xxxxx xxxxx 892 xxxxx xxxxx xxxxx xxxxx xxxxx 205 180 466
Volume/Cap: xxxxx xxxxx xxxxx 0.11 xxxxx xxxxx xxxxx xxxxx xxxxx 0.75 0.00 0.08
-----|-----|-----|-----|

Level Of Service Module:
2Way95thQ: xxxxx xxxxx xxxxx 0.4 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Control Del:xxxxx xxxxx xxxxx 9.5 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: * * * A * * * * * * * * * * * * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 230 xxxxx
SharedQueue:xxxxx xxxxx xxxxx 0.4 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 6.4 xxxxx
Shrd ConDel:xxxxx xxxxx xxxxx 9.5 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 68.7 xxxxx
Shared LOS: * * * A * * * * * * * * * * * * * * * *
ApproachDel: xxxxxx xxxxxx xxxxxx 68.7
ApproachLOS: * * * F
-----|-----|-----|-----|

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

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

2000 HCM Unsignalized Method (Future Volume Alternative)

```

*****
Intersection #7 Eastham Drive & Warner Drive
*****
Average Delay (sec/veh):      4.8      Worst Case Level Of Service: A[ 9.8]
*****
Street Name:      Eastham Drive      Warner Drive
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 1 0 0 0      0 0 0 1 0      0 0 1 0 0      0 0 1 0 0
-----|-----|-----|-----|
Volume Module:
Base Vol:      126  77  0      0 104  9      11  0  85      0  0  0
Growth Adj:      1.02 1.02 1.02      1.02 1.02 1.02      1.02 1.02 1.02      1.02 1.02 1.02
Initial Bse:      129  79  0      0 106  9      11  0  87      0  0  0
Added Vol:      6  1  0      0  0  0      3  0  4      0  0  0
PasserByVol:      0 -2  0      0  0  0      0  0  0      0  0  0
Initial Fut:      135  78  0      0 106  9      14  0  91      0  0  0
User Adj:      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00
PHF Adj:      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00      1.00 1.00 1.00
PHF Volume:      135  78  0      0 106  9      14  0  91      0  0  0
Reduct Vol:      0  0  0      0  0  0      0  0  0      0  0  0
FinalVolume:      135  78  0      0 106  9      14  0  91      0  0  0
-----|-----|-----|-----|
Critical Gap Module:
Critical Gp:      4.1 xxxx xxxxxx xxxxx xxxx xxxxxx      6.4 6.5 6.2      7.1 6.5 6.2
FollowUpTim:      2.2 xxxx xxxxxx xxxxxx xxxx xxxxxx      3.5 4.0 3.3      3.5 4.0 3.3
-----|-----|-----|-----|
Capacity Module:
Cnflct Vol:      115 xxxx xxxxxx xxxxx xxxx xxxxxx      457 457 111      503 462 78
Potent Cap.:      1486 xxxx xxxxxx xxxxx xxxx xxxxxx      565 503 948      483 500 989
Move Cap.:      1486 xxxx xxxxxx xxxxx xxxx xxxxxx      523 454 948      404 451 989
Volume/Cap:      0.09 xxxx xxxxxx xxxxx xxxx xxxxxx      0.03 0.00 0.10      0.00 0.00 0.00
-----|-----|-----|-----|
Level Of Service Module:
2Way95thQ:      0.3 xxxx xxxxxx xxxxx xxxx xxxxxx      xxxx xxxx xxxxxx      xxxx xxxx xxxxxx
Control Del:      7.7 xxxx xxxxxx xxxxxx xxxx xxxxxx      xxxxxx xxxx xxxxxx      xxxxxx xxxx xxxxxx
LOS by Move:      A * *      * * *      * * *      * * *
Movement:      LT - LTR - RT      LT - LTR - RT      LT - LTR - RT      LT - LTR - RT
Shared Cap.:      xxxx xxxx xxxxxx xxxxx xxxx xxxxxx      xxxx 854 xxxxxx      xxxx 0 xxxxxx
SharedQueue:      0.3 xxxx xxxxxx xxxxxx xxxx xxxxxx      xxxxxx 0.4 xxxxxx      xxxxxx xxxx xxxxxx
Shrd ConDel:      7.7 xxxx xxxxxx xxxxxx xxxx xxxxxx      xxxxxx 9.8 xxxxxx      xxxxxx xxxx xxxxxx
Shared LOS:      A * *      * * *      * * *      * A *      * * *
ApproachDel:      xxxxxx      xxxxxx      9.8      xxxxxx
ApproachLOS:      *      *      A      *
*****
Note: Queue reported is the number of cars per lane.
*****

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Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #8 Lucerne Av & Higuera St

Cycle (sec): 100 Critical Vol./Cap. (X): 0.727

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): 15.9

Optimal Cycle: 0 Level Of Service: C

Street Name: Lucerne Av Higuera 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: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 0 0 1 0 0 0 0 1 0 0 0 0

-----|-----|-----|-----|

Volume Module:

Base Vol: 159 0 113 1 2 5 1 166 102 216 230 0

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 162 0 115 1 2 5 1 169 104 220 235 0

Added Vol: 0 0 5 0 0 0 0 12 0 4 33 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 162 0 120 1 2 5 1 181 104 224 268 0

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 162 0 120 1 2 5 1 181 104 224 268 0

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 162 0 120 1 2 5 1 181 104 224 268 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: 162 0 120 1 2 5 1 181 104 224 268 0

-----|-----|-----|-----|

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: 0.57 0.00 0.43 0.12 0.25 0.63 0.01 0.63 0.36 0.46 0.54 0.00

Final Sat.: 343 0 254 62 123 309 2 420 241 309 368 0

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: 0.47 xxxx 0.47 0.02 0.02 0.02 0.43 0.43 0.43 0.73 0.73 xxxx

Crit Moves: **** **** **** ****

Delay/Veh: 13.0 0.0 13.0 9.1 9.1 9.1 11.8 11.8 11.8 20.1 20.1 0.0

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: 13.0 0.0 13.0 9.1 9.1 9.1 11.8 11.8 11.8 20.1 20.1 0.0

LOS by Move: B * B A A B B C C *

ApproachDel: 13.0 9.1 11.8 20.1

Delay Adj: 1.00 1.00 1.00 1.00

ApprAdjDel: 13.0 9.1 11.8 20.1

LOS by Appr: B A B C

AllWayAvgQ: 0.7 0.7 0.7 0.0 0.0 0.0 0.7 0.7 0.7 2.2 2.2 2.2

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

```

*****
Intersection #9 Hayden Av & Higuera St
*****
Cycle (sec):          100          Critical Vol./Cap. (X):          0.893
Loss Time (sec):      10 (Y+R=4.0 sec)  Average Delay (sec/veh):      23.4
Optimal Cycle:        0          Level Of Service:          C
*****
Street Name:          Hayden Av          Higuera 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:           0    0    0          0    0    0          0    0    0          0    0    0
Lanes:                0    0    1 0 0          0    0    0 1 0          0    1    0 1 0          0    1    0 1 0
-----|-----|-----|-----|
Volume Module:
Base Vol:             1    23    19          0    39    215      89    1    69    22    16    598
Growth Adj:           1.02 1.02  1.02      1.02 1.02  1.02      1.02 1.02  1.02  1.02 1.02  1.02
Initial Bse:          1    23    19          0    40    219      91    1    70    22    16    610
Added Vol:            0    7    3          0    50    38      11    0    6    16    0    1
PasserByVol:          0    0    0          0    0    0          0    0    0    0    0    0
Initial Fut:          1    30    22          0    90    257     102    1    76    38    16    611
User Adj:             1.00 1.00  1.00      1.00 1.00  1.00      1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:              1.00 1.00  1.00      1.00 1.00  1.00      1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:           1    30    22          0    90    257     102    1    76    38    16    611
Reduct Vol:           0    0    0          0    0    0          0    0    0    0    0    0
Reduced Vol:          1    30    22          0    90    257     102    1    76    38    16    611
PCE Adj:              1.00 1.00  1.00      1.00 1.00  1.00      1.00 1.00  1.00  1.00 1.00  1.00
MLF Adj:              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:          1    30    22          0    90    257     102    1    76    38    16    611
-----|-----|-----|-----|
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:                0.02 0.57  0.41      0.00 0.26  0.74      1.00 0.15  0.85  0.12 0.88  1.00
Final Sat.:           10   290   213          0   159   456     489   85   489    69  527   684
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:              0.11 0.11  0.11      xxxx 0.56  0.56      0.21 0.01  0.16  0.56 0.03  0.89
Crit Moves:          ****                      **** ****                      ****
Delay/Veh:            10.1 10.1  10.1          0.0 15.0  15.0      11.4  9.4   9.4   9.3  9.3  34.4
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:           10.1 10.1  10.1          0.0 15.0  15.0      11.4  9.4   9.4   9.3  9.3  34.4
LOS by Move:          B    B    B          *    B    B          B    A    A    A    A    D
ApproachDel:          10.1                      15.0                      10.5                      32.4
Delay Adj:            1.00                      1.00                      1.00                      1.00
ApprAdjDel:           10.1                      15.0                      10.5                      32.4
LOS by Appr:          B                      B          B          D
AllWayAvgQ:           0.1  0.1  0.1          1.1  1.1  1.1          0.2  0.1  0.1  0.1  5.0  5.0
*****

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Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Eastham Drive & Higuera Street

Cycle (sec): 100 Critical Vol./Cap.(X): 0.448

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 31 Level Of Service: A

Street Name: Eastham Drive Higuera Street

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: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 0 0 0 0 0 1 0 0 0 1 1 0 2 0 0 0 0 0 1 1 0

-----|-----|-----|-----|

Volume Module:

Base Vol: 0 0 0 54 0 122 9 67 0 0 581 223

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 0 0 0 55 0 124 9 68 0 0 593 227

Added Vol: 0 0 0 4 0 0 1 2 0 0 16 7

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 0 0 0 59 0 124 10 70 0 0 609 234

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 0 0 0 59 0 124 10 70 0 0 609 234

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 0 0 0 59 0 124 10 70 0 0 609 234

PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

MLF Adj: 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 59 0 124 10 70 0 0 609 234

-----|-----|-----|-----|

Saturation Flow Module:

Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600

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 0.00 0.00 1.00 0.00 1.00 1.00 2.00 0.00 0.00 1.44 0.56

Final Sat.: 0 0 0 1600 0 1600 1600 3200 0 0 2310 890

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: 0.00 0.00 0.00 0.04 0.00 0.08 0.01 0.02 0.00 0.00 0.26 0.26

Crit Moves: **** *

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Future 2010 With Project Conditions
AM Peak Hour

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

Intersection #11 Lucerne Ave & Duquesne Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 1.216
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 68.9
Optimal Cycle: 0 Level Of Service: F

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

Volume Module:	Lucerne Ave			Duquesne Ave		
Base Vol:	0	0	0	201	0	95
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	0	0	205	0	97
Added Vol:	0	0	0	4	0	0
PasserByVol:	0	0	0	0	0	0
Initial Fut:	0	0	0	209	0	97
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	209	0	97
Reduct Vol:	0	0	0	0	0	0
Reduced Vol:	0	0	0	209	0	97
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	0	0	0	209	0	97

Saturation Flow Module:	Lucerne Ave			Duquesne Ave		
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	0.68	0.00	0.32
Final Sat.:	0	0	0	367	0	170

Capacity Analysis Module:	Lucerne Ave			Duquesne Ave		
Vol/Sat:	xxxx	xxxx	xxxx	0.57	xxxx	0.57
Crit Moves:				****		****
Delay/Veh:	0.0	0.0	0.0	17.7	0.0	17.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	17.7	0.0	17.7
LOS by Move:	*	*	*	C	*	C
ApproachDel:	xxxxxx			17.7		41.4
Delay Adj:	xxxxxx			1.00		1.00
ApprAdjDel:	xxxxxx			17.7		41.4
LOS by Appr:	*			C		E
AllWayAvgQ:	0.0	0.0	0.0	1.2	1.2	5.3

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #12 Jefferson Bl & Duquesne Av

Cycle (sec): 100 Critical Vol./Cap.(X): 1.086

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 180 Level Of Service: F

Street Name: Jefferson Bl Duquesne Av

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 Ovl Include

Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 1 0 1 1 0 1 0 2 0 1 1 0 1 0 1 0 1

-----|-----|-----|-----|

Volume Module:

Base Vol: 417 944 31 12 1128 395 235 34 336 6 36 9

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 425 963 32 12 1151 403 240 35 343 6 37 9

Added Vol: 139 95 0 0 308 10 8 0 34 0 0 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 564 1058 32 12 1459 413 248 35 377 6 37 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: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 564 1058 32 12 1459 413 248 35 377 6 37 9

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 564 1058 32 12 1459 413 248 35 377 6 37 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

Final Volume: 564 1058 32 12 1459 413 248 35 377 6 37 9

OvlAdjVol: 0

-----|-----|-----|-----|

Saturation Flow Module:

Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600

Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Lanes: 1.00 1.94 0.06 1.00 2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Final Sat.: 1600 3107 93 1600 3200 1600 1600 1600 1600 1600 1600 1600

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: 0.35 0.34 0.34 0.01 0.46 0.26 0.15 0.02 0.24 0.00 0.02 0.01

OvlAdjV/S: 0.00

Crit Moves: **** **** **** ****

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Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #13 Robertson Bl & Venice Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 1.101
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

Street Name:	Robertson Bl				Venice Bl					
Approach:	North Bound		South Bound		East Bound		West Bound			
Movement:	L	T	R	L	T	R	L	T	R	
Control:	Split Phase		Split Phase		Protected		Protected			
Rights:	Include		Ovl		Include		Include			
Min. Green:	0	0	0	0	0	0	0	0	0	
Lanes:	1	0	2	0	1	0	1	2	0	1

Volume Module:

Base Vol:	179	369	19	289	240	321	477	2149	97	46	1818	334
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	183	376	19	295	245	327	487	2192	99	47	1854	341
Added Vol:	6	43	9	73	96	143	0	52	1	1	152	8
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	189	419	28	368	341	470	487	2244	100	48	2006	349
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	189	419	28	368	341	470	487	2244	100	48	2006	349
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	189	419	28	368	341	470	487	2244	100	48	2006	349
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00
Final Volume:	189	419	28	368	341	470	535	2244	100	48	2006	349

Saturation Flow Module:

Sat/Lane:	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375	1375
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.00	1.00	2.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1375	2750	1375	1375	1375	1375	2750	4125	1375	1375	4125	1375

Capacity Analysis Module:

Vol/Sat:	0.14	0.15	0.02	0.27	0.25	0.34	0.19	0.54	0.07	0.03	0.49	0.25
Crit Volume:	210			368			268				669	
Crit Moves:	****			****			****				****	

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8665 Hayden Place
Future 2010 With Project Conditions
AM Peak Hour

Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #14 National Bl & Venice Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.957
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Street Name:	National Bl						Venice Bl					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Prot+Permit			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0	1	1	0	1	2	0	3	2	0	3

Volume Module:	National Bl			National Bl			Venice Bl			Venice Bl		
Base Vol:	143	769	30	106	419	89	162	1993	337	74	1953	113
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	146	784	31	108	427	91	165	2033	344	75	1992	115
Added Vol:	5	26	0	6	28	4	5	67	2	5	216	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	151	810	31	114	455	95	170	2100	346	80	2208	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	151	810	31	114	455	95	170	2100	346	80	2208	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	151	810	31	114	455	95	170	2100	346	80	2208	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.10	1.00	1.00
Final Volume:	151	810	31	114	455	95	187	2100	346	89	2208	116

Saturation Flow Module:	National Bl			National Bl			Venice Bl			Venice Bl		
Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.93	0.07	1.00	1.66	0.34	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1425	2746	104	1425	2359	491	2850	4275	1425	2850	4275	1425

Capacity Analysis Module:	National Bl			National Bl			Venice Bl			Venice Bl		
Vol/Sat:	0.11	0.30	0.30	0.08	0.19	0.19	0.07	0.49	0.24	0.03	0.52	0.08
Crit Volume:	426	114					94			736		
Crit Moves:	****	****					****			****		

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Circular 212 Planning Method (Future Volume Alternative)

Intersection #15 La Cienega Bl & Fairfax/Blackwelder

Cycle (sec): 100 Critical Vol./Cap. (X): 1.1/1
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

Street Name:	La Cienega Bl			Fairfax Av/Blackwelder 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			Permitted			Split Phase			Split Phase		
Rights:	Ignore			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0	1	1	1	0	0	0	1	0	0	2

Volume Module:	La Cienega Bl			Fairfax Av/Blackwelder St								
Base Vol:	25	1746	976	0	1340	28	9	0	11	1037	28	6
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	26	1781	996	0	1367	29	9	0	11	1058	29	6
Added Vol:	0	146	50	0	79	0	0	0	0	187	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	26	1927	1046	0	1446	29	9	0	11	1245	29	6
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	26	1927	0	0	1446	29	9	0	11	1245	29	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	1927	0	0	1446	29	9	0	11	1245	29	6
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00
Final Volume:	26	1927	0	0	1446	29	9	0	11	1369	29	6

Saturation Flow Module:	La Cienega Bl			Fairfax Av/Blackwelder St								
Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	0.00	2.94	0.06	0.45	0.00	0.55	2.00	0.82	0.18
Final Sat.:	1425	2850	1425	0	4192	83	641	0	784	2850	1174	251

Capacity Analysis Module:	La Cienega Bl			Fairfax Av/Blackwelder St								
Vol/Sat:	0.02	0.68	0.00	0.00	0.34	0.34	0.01	0.00	0.01	0.48	0.02	0.02
Crit Volume:	963			0			20		685			
Crit Moves:	***			***			***		***			

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #16 Jefferson Bl & National Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 0.693
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 61 Level Of Service: B

Street Name:		Jefferson Bl				National Bl				
Approach:		North Bound		South Bound		East Bound		West Bound		
Movement:		L	T	R	L	T	R	L	T	R
Control:		Permitted		Permitted		Split Phase		Split Phase		
Rights:		Ovl		Include		Include		Include		
Min. Green:		0	0	0	0	0	0	0	0	0
Lanes:		1	0	0	0	2	0	0	0	0

Volume Module:												
Base Vol:	0	0	555	0	0	0	0	343	142	707	965	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	0	566	0	0	0	0	350	145	721	984	0
Added Vol:	54	0	45	0	0	0	0	73	130	169	112	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	54	0	611	0	0	0	0	423	275	890	1096	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	54	0	611	0	0	0	0	423	275	890	1096	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	0	611	0	0	0	0	423	275	890	1096	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	1.10	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.00	1.00
Final Volume:	54	0	672	0	0	0	0	423	302	979	1096	0

Saturation Flow Module:												
Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	1.75	1.25	1.42	1.58	0.00
Final Sat.:	1425	0	2850	0	0	0	0	2493	1782	2017	2258	0

Capacity Analysis Module:												
Vol/Sat:	0.04	0.00	0.24	0.00	0.00	0.00	0.00	0.17	0.17	0.49	0.49	0.00
Crit Volume:	54				0			242		692		
Crit Moves:	****							****		****		

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #17 La Cienega Bl & Jefferson Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 1.154
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

Street Name:	La Cienega Bl				Jefferson Bl				
Approach:	North Bound		South Bound		East Bound		West Bound		
Movement:	L	T	R	L	T	R	L	T	R
Control:	Permitted		Permitted		Protected		Protected		
Rights:	Include		Ovl		Include		Include		
Min. Green:	0	0	0	0	0	0	0	0	0
Lanes:	1	0	2	1	0	1	2	0	1

Volume Module:	La Cienega Bl		Jefferson Bl	
Base Vol:	76	89	31	482
Growth Adj:	1.02	1.02	1.02	1.02
Initial Bse:	78	91	32	492
Added Vol:	25	2	1	198
PasserByVol:	0	0	0	0
Initial Fut:	103	93	33	690
User Adj:	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00
PHF Volume:	103	93	33	690
Reduct Vol:	0	0	0	0
Reduced Vol:	103	93	33	690
PCE Adj:	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.10
Final Volume:	103	93	33	690

Saturation Flow Module:	La Cienega Bl		Jefferson Bl	
Sat/Lane:	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00
Lanes:	1.00	2.89	1.00	2.00
Final Sat.:	1425	157	1425	2850

Capacity Analysis Module:	La Cienega Bl		Jefferson Bl	
Vol/Sat:	0.07	0.59	0.02	0.21
Crit Volume:	842	33	227	557
Crit Moves:	****	****	****	****

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #18 Jefferson Bl & Higuera/Rodeo

Cycle (sec): 100 Critical Vol./Cap. (X): 0.900
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Street Name:	Jefferson Bl			Higuera St/Rodeo Rd									
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			Split Phase			Split Phase			
Rights:	Ignore			Include			Include			Include			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	
Lanes:	1	0	2	0	1	1	0	2	0	1	2	0	1

Volume Module:	Jefferson Bl			Higuera St			Rodeo Rd					
Base Vol:	86	461	505	144	670	69	11	90	14	806	655	99
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	88	470	515	147	683	70	11	92	14	822	668	101
Added Vol:	14	72	17	19	230	0	0	2	4	85	9	3
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	102	542	532	166	913	70	11	94	18	907	677	104
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	102	542	0	166	913	70	11	94	18	907	677	104
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	102	542	0	166	913	70	11	94	18	907	677	104
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00
Final Volume:	102	542	0	166	913	70	11	94	18	998	677	104

Saturation Flow Module:	Jefferson Bl			Higuera St			Rodeo Rd					
Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	2.00	1.00	1.00
Final Sat.:	1425	2850	1425	1425	2850	1425	1425	2850	1425	2850	1425	1425

Capacity Analysis Module:	Jefferson Bl			Higuera St			Rodeo Rd					
Vol/Sat:	0.07	0.19	0.00	0.12	0.32	0.05	0.01	0.03	0.01	0.35	0.48	0.07
Crit Volume:	102			457			47			677		
Crit Moves:	****			****			****			****		

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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #19 La Cienega Bl & Rodeo Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 1.229

Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 180 Level Of Service: F

Street Name: La Cienega Bl Rodeo Rd

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 Prot+Permit Protected

Rights: Include Include Ovl Ovl

Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 2 0 2 1 0 2 0 2 1 0 1 0 2 0 2 0 1

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Volume Module:

Base Vol: 313 1955 43 116 2063 170 129 389 165 194 1097 284

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 319 1994 44 118 2104 173 132 397 168 198 1119 290

Added Vol: 10 144 0 2 39 56 12 15 12 0 31 19

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 329 2138 44 120 2143 229 144 412 180 198 1150 309

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 329 2138 44 120 2143 229 144 412 180 198 1150 309

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 329 2138 44 120 2143 229 144 412 180 198 1150 309

PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

MLF Adj: 1.10 1.00 1.00 1.10 1.00 1.00 1.00 1.00 1.00 1.10 1.00 1.00

Final Volume: 362 2138 44 132 2143 229 144 412 180 218 1150 309

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Saturation Flow Module:

Sat/Lane: 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375

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: 2.00 2.94 0.06 2.00 2.71 0.29 1.00 2.00 1.00 2.00 2.00 1.00

Final Sat.: 2750 4042 83 2750 3726 399 1375 2750 1375 2750 2750 1375

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Capacity Analysis Module:

Vol/Sat: 0.13 0.53 0.53 0.05 0.58 0.58 0.10 0.15 0.13 0.08 0.42 0.22

Crit Volume: 181 791 144 575

Crit Moves: **** **** **** ****

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PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 Robertson Bl & Washington Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.811
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 69 Level Of Service: D

Street Name:	Robertson Bl						Washington Bl					
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:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:	Robertson Bl			Robertson Bl			Washington Bl			Washington Bl		
Base Vol:	28	197	40	132	241	61	128	926	43	70	525	160
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	29	201	41	135	246	62	131	945	44	71	536	163
Added Vol:	17	9	0	63	5	8	2	491	8	0	222	15
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	46	210	41	198	251	70	133	1436	52	71	758	178
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	46	210	41	198	251	70	133	1436	52	71	758	178
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	210	41	198	251	70	133	1436	52	71	758	178
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	46	210	41	198	251	70	133	1436	52	71	758	178

Saturation Flow Module:	Robertson Bl			Robertson Bl			Washington Bl			Washington Bl		
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.67	0.33	1.00	1.00	1.00	1.00	1.93	0.07	1.00	1.62	0.38
Final Sat.:	1600	2679	521	1600	1600	1600	1600	3088	112	1600	2591	609

Capacity Analysis Module:	Robertson Bl			Robertson Bl			Washington Bl			Washington Bl		
Vol/Sat:	0.03	0.08	0.08	0.12	0.16	0.04	0.08	0.46	0.46	0.04	0.29	0.29
Crit Moves:	****			****			****			****		

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Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 National Bl & Washington Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.973

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 157 Level Of Service: E

Street Name:		National Bl						Washington Bl						
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:		0	0	0	0	0	0	0	0	0	0	0	0	
Lanes:		2	0	1	1	0	2	0	1	1	0	1	0	2

Volume Module:												
Base Vol:	170	525	70	184	839	35	47	840	253	74	559	138
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	173	536	71	188	856	36	48	857	258	75	570	141
Added Vol:	132	96	8	-6	22	3	3	515	192	7	163	-11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	305	632	79	182	878	39	51	1372	450	82	733	130
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	305	632	79	182	878	39	51	1372	450	82	733	130
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	305	632	79	182	878	39	51	1372	450	82	733	130
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	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:	305	632	79	182	878	39	51	1372	450	82	733	130

Saturation Flow Module:												
Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	0.90	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.78	0.22	2.00	1.92	0.08	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2880	2843	357	2880	3065	135	1600	3200	1600	1600	3200	1600

Capacity Analysis Module:												
Vol/Sat:	0.11	0.22	0.22	0.06	0.29	0.29	0.03	0.43	0.28	0.05	0.23	0.08
Crit Moves:	****			****			****			****		

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Future 2010 With Project Conditions
PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 La Cienega Bl & Washington Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 1.034
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

La Cienega Bl					Washington Bl														
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: 0 0 0					0 0 0					0 0 0					0 0 0				
Lanes: 1 0 2 1 0					1 0 2 1 0					1 0 2 0 1					1 0 2 0 1				

Volume Module:

Base Vol:	127	1204	53	283	1385	28	40	974	154	60	505	107
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	130	1228	54	289	1413	29	41	993	157	61	515	109
Added Vol:	20	51	5	8	30	34	30	376	99	5	111	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	150	1279	59	297	1443	63	71	1369	256	66	626	111
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	150	1279	59	297	1443	63	71	1369	256	66	626	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	150	1279	59	297	1443	63	71	1369	256	66	626	111
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	150	1279	59	297	1443	63	71	1369	256	66	626	111

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.87	0.13	1.00	2.88	0.12	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1600	4588	212	1600	4601	199	1600	3200	1600	1600	3200	1600

Capacity Analysis Module:

Vol/Sat:	0.09	0.28	0.28	0.19	0.31	0.31	0.04	0.43	0.16	0.04	0.20	0.07
Crit Moves:	****			****			****			****		

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8665 Hayden Place
Future 2010 With Project Conditions
PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Hayden Av & National Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.799
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 66 Level Of Service: C

Hayden Av				National Bl											
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: 0 0 0				0 0 0				0 0 0				0 0 0			
Lanes: 1 0 1 0 0				0 0 0 0 0				0 0 1 1 0				1 0 2 0 0			

Volume Module:

Base Vol:	505	0	96	0	0	0	0	990	178	25	252	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	515	0	98	0	0	0	0	1010	182	26	257	0
Added Vol:	71	0	51	0	0	0	0	155	62	21	157	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	586	0	149	0	0	0	0	1165	244	47	414	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	586	0	149	0	0	0	0	1165	244	47	414	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	586	0	149	0	0	0	0	1165	244	47	414	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:	586	0	149	0	0	0	0	1165	244	47	414	0

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.07	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.59	0.00	0.41	0.00	0.00	0.00	0.00	1.65	0.35	1.00	2.00	0.00
Final Sat.:	2552	0	648	0	0	0	0	2647	553	1600	3200	0

Capacity Analysis Module:

Vol/Sat:	0.23	0.00	0.23	0.00	0.00	0.00	0.00	0.44	0.44	0.03	0.13	0.00
Crit Moves:	****							****		****		

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8665 Hayden Place
Future 2010 With Project Conditions
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Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #5 Eastham Dr & National Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.490

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 39 Level Of Service: A

Street Name: Eastham Dr National Bl

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: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 0 0 0 0 1 0 1 0 0 0 0 1 0 0 0

-----|-----|-----|-----|

Volume Module:

Base Vol: 0 0 68 0 0 0 0 1013 59 0 266 0

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 0 0 69 0 0 0 0 1033 60 0 271 0

Added Vol: 0 0 16 0 0 0 0 205 0 0 179 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 0 0 85 0 0 0 0 1238 60 0 450 0

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 0 0 85 0 0 0 0 1238 60 0 450 0

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 0 0 85 0 0 0 0 1238 60 0 450 0

PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 2.00 1.00 1.00 1.00 1.00 1.00

MLF Adj: 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 85 0 0 0 0 1238 60 0 450 0

-----|-----|-----|-----|

Saturation Flow Module:

Sat/Lane: 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500

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 0.00 1.00 0.00 1.00 0.00 0.00 1.91 0.09 0.00 1.00 0.00

Final Sat.: 0 0 1500 0 1500 0 0 2861 139 0 1500 0

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: 0.00 0.00 0.06 0.00 0.00 0.00 0.00 0.43 0.43 0.00 0.30 0.00

Crit Volume: 85 0 649 0

Crit Moves: **** **** ****

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8665 Hayden Place
Future 2010 With Project Conditions
PM Peak Hour

Level Of Service Computation Report

2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 Hayden Av & Warner Drive

Average Delay (sec/veh): 3.8 Worst Case Level Of Service: C [18.4]

Street Name:		Hayden Av				Warner Drive				
Approach:		North Bound		South Bound		East Bound		West Bound		
Movement:		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	0	0	0	0

Volume Module:											
Base Vol:	0	398	89	60	103	0	0	0	0	46	33
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	406	91	61	105	0	0	0	0	47	34
Added Vol:	0	74	11	65	19	0	0	0	0	7	47
PasserByVol:	0	-3	0	0	-17	0	0	0	0	0	0
Initial Fut:	0	477	102	126	107	0	0	0	0	54	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	477	102	126	107	0	0	0	0	54	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	477	102	126	107	0	0	0	0	54	81

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:												
Cnflct Vol:	xxxx	xxxx	xxxxx	579	xxxx	xxxxx	xxxx	xxxx	xxxxx	887	887	528
Potent Cap.:	xxxx	xxxx	xxxxx	1005	xxxx	xxxxx	xxxx	xxxx	xxxxx	317	285	554
Move Cap.:	xxxx	xxxx	xxxxx	1005	xxxx	xxxxx	xxxx	xxxx	xxxxx	284	247	554
Volume/Cap:	xxxx	xxxx	xxxx	0.13	xxxx	xxxx	xxxx	xxxx	xxxx	0.19	0.00	0.15

Level Of Service Module:													
2Way95thQ:	xxxx	xxxx	xxxxx	0.4	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	
Control Del:	xxxxx	xxxx	xxxxx	9.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	
LOS by Move:	*	*	*	A	*	*	*	*	*	*	*	*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	401	xxxxx	
SharedQueue:	xxxxx	xxxx	xxxxx	0.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	1.4	xxxxx	
Shrd ConDel:	xxxxx	xxxx	xxxxx	9.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	18.4	xxxxx	
Shared LOS:	*	*	*	A	*	*	*	*	*	*	C	*	
ApproachDel:	xxxxxx			xxxxxx			xxxxxx				18.4		
ApproachLOS:	*			*			*				C		

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

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8665 Hayden Place
Future 2010 With Project Conditions
PM Peak Hour

Level Of Service Computation Report

2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 Eastham Drive & Warner Drive

Average Delay (sec/veh): 4.9 Worst Case Level Of Service: B[10.2]

Street Name: Eastham Drive Warner Drive
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 1 0 0 0 0 0 0 1 0 0 0 0 1 0 0
-----|-----|-----|-----|

Volume Module:
Base Vol: 41 37 0 0 163 6 8 0 129 0 0 0
Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02
Initial Bse: 42 38 0 0 166 6 8 0 132 0 0 0
Added Vol: 15 7 0 0 0 0 9 0 14 0 0 0
PasserByVol: 0 -4 0 0 0 0 0 0 0 0 0 0
Initial Fut: 57 41 0 0 166 6 17 0 146 0 0 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 57 41 0 0 166 6 17 0 146 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
FinalVolume: 57 41 0 0 166 6 17 0 146 0 0 0
-----|-----|-----|-----|

Critical Gap Module:
Critical Gp: 4.1 xxxxx xxxxxx xxxxxx xxxxx xxxxxx 6.4 6.5 6.2 7.1 6.5 6.2
FollowUpTim: 2.2 xxxxx xxxxxx xxxxxx xxxxx xxxxxx 3.5 4.0 3.3 3.5 4.0 3.3
-----|-----|-----|-----|

Capacity Module:
Cnflct Vol: 172 xxxxx xxxxxx xxxxx xxxxx xxxxxx 324 324 169 396 327 41
Potent Cap.: 1417 xxxxx xxxxxx xxxxx xxxxx xxxxxx 674 597 880 567 595 1036
Move Cap.: 1417 xxxxx xxxxxx xxxxx xxxxx xxxxxx 653 573 880 458 570 1036
Volume/Cap: 0.04 xxxxx xxxxx xxxxx xxxxx xxxxx 0.03 0.00 0.17 0.00 0.00 0.00
-----|-----|-----|-----|

Level Of Service Module:
2Way95thQ: 0.1 xxxxx xxxxxx xxxxx xxxxx xxxxxx xxxxx xxxxx xxxxxx xxxxx xxxxx xxxxxx
Control Del: 7.6 xxxxx xxxxxx xxxxxx xxxxx xxxxxx xxxxxx xxxxx xxxxxx xxxxxx xxxxx xxxxxx
LOS by Move: A * * * * * * * * * * * * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxxx xxxxx xxxxxx xxxxx xxxxx xxxxxx xxxxx 849 xxxxxx xxxxx 0 xxxxxx
SharedQueue: 0.1 xxxxx xxxxxx xxxxxx xxxxx xxxxxx xxxxxx 0.7 xxxxxx xxxxxx xxxxx xxxxxx
Shrd ConDel: 7.6 xxxxx xxxxxx xxxxxx xxxxx xxxxxx xxxxxx 10.2 xxxxxx xxxxxx xxxxx xxxxxx
Shared LOS: A * * * * * * * * * * * * * * * *
ApproachDel: xxxxxx xxxxxx 10.2 xxxxxx
ApproachLOS: * * B *
-----|-----|-----|-----|

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

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8665 Hayden Place
Future 2010 With Project Conditions
PM Peak Hour

Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #8 Lucerne Av & Higuera St

Cycle (sec): 100 Critical Vol./Cap.(X): 0.429

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): 10.4

Optimal Cycle: 0 Level Of Service: B

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

Volume Module:												
Base Vol:	112	1	97	0	2	1	2	161	123	82	126	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	114	1	99	0	2	1	2	164	125	84	129	0
Added Vol:	1	0	7	0	0	0	0	37	1	3	13	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	115	1	106	0	2	1	2	201	126	87	142	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	115	1	106	0	2	1	2	201	126	87	142	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	115	1	106	0	2	1	2	201	126	87	142	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	115	1	106	0	2	1	2	201	126	87	142	0

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:	0.52	0.01	0.47	0.00	0.67	0.33	0.01	0.61	0.38	0.38	0.62	0.00
Final Sat.:	351	3	323	0	396	198	5	469	295	267	436	0

Capacity Analysis Module:												
Vol/Sat:	0.33	0.33	0.33	xxxx	0.01	0.01	0.43	0.43	0.43	0.32	0.32	xxxx
Crit Moves:	****					****		****		****		
Delay/Veh:	10.2	10.2	10.2	0.0	8.3	8.3	10.7	10.7	10.7	10.1	10.1	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.2	10.2	10.2	0.0	8.3	8.3	10.7	10.7	10.7	10.1	10.1	0.0
LOS by Move:	B	B	B	*	A	A	B	B	B	B	B	*
ApproachDel:	10.2				8.3		10.7			10.1		
Delay Adj:	1.00				1.00		1.00			1.00		
ApprAdjDel:	10.2				8.3		10.7			10.1		
LOS by Appr:	B				A		B			B		
AllWayAvgQ:	0.4	0.4	0.4	0.0	0.0	0.0	0.7	0.7	0.7	0.4	0.4	0.4

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8665 Hayden Place
Future 2010 With Project Conditions
PM Peak Hour

Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #9 Hayden Av & Higuera St

Cycle (sec): 100 Critical Vol./Cap. (X): 0.567

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): 12.3

Optimal Cycle: 0 Level Of Service: B

Street Name: Hayden Av Higuera 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: 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 0 0 0 1 0 0 0 0 1 0 0 1 0 0 1 0 0

-----|-----|-----|-----|

Volume Module:

Base Vol: 0 136 163 0 38 123 111 1 79 21 1 239

Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02

Initial Bse: 0 139 166 0 39 125 113 1 81 21 1 244

Added Vol: 0 42 21 0 10 16 42 0 1 3 0 1

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 0 181 187 0 49 141 155 1 82 24 1 245

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 0 181 187 0 49 141 155 1 82 24 1 245

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 0 181 187 0 49 141 155 1 82 24 1 245

PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Final Volume: 0 181 187 0 49 141 155 1 82 24 1 245

-----|-----|-----|-----|

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 0.49 0.51 0.00 0.26 0.74 1.00 0.31 0.69 0.18 0.82 1.00

Final Sat.: 0 318 330 0 155 449 492 178 389 95 430 595

-----|-----|-----|-----|

Capacity Analysis Module:

Vol/Sat: xxxx 0.57 0.57 xxxx 0.32 0.32 0.32 0.01 0.21 0.26 0.00 0.41

Crit Moves: **** **** ****

Delay/Veh: 0.0 14.4 14.4 0.0 10.6 10.6 12.4 9.5 9.5 9.4 9.4 11.8

Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 0.0 14.4 14.4 0.0 10.6 10.6 12.4 9.5 9.5 9.4 9.4 11.8

LOS by Move: * B B * B B B A A A A B

ApproachDel: 14.4 10.6 11.4 11.6

Delay Adj: 1.00 1.00 1.00 1.00

ApprAdjDel: 14.4 10.6 11.4 11.6

LOS by Appr: B B B B

AllWayAvgQ: 1.1 1.1 1.1 0.4 0.4 0.4 0.4 0.1 0.1 0.0 0.6 0.6

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Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Eastham Drive & Higuera Street

Cycle (sec): 100 Critical Vol./Cap.(X): 0.408

Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx

Optimal Cycle: 29 Level Of Service: A

Street Name:	Eastham Drive						Higuera Street					
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:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	0

Volume Module:

Base Vol:	0	0	0	277	0	17	10	241	0	0	274	61
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	0	0	283	0	17	10	246	0	0	279	62
Added Vol:	0	0	0	14	0	0	6	16	0	0	4	16
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	297	0	17	16	262	0	0	283	78
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	297	0	17	16	262	0	0	283	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	297	0	17	16	262	0	0	283	78
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	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	297	0	17	16	262	0	0	283	78

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
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	0.00	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.57	0.43
Final Sat.:	0	0	0	1600	0	1600	1600	3200	0	0	2508	692

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.01	0.01	0.08	0.00	0.00	0.11	0.11
Crit Moves:				****				****				****

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Level Of Service Computation Report

2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #11 Lucerne Ave & Duquesne Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 1.125
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): 53.7
Optimal Cycle: 0 Level Of Service: F

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

Volume Module:												
Base Vol:	0	0	0	194	0	81	69	501	0	0	331	162
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	0	0	198	0	83	70	511	0	0	338	165
Added Vol:	0	0	0	16	0	0	0	126	0	0	41	7
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	214	0	83	70	637	0	0	379	172
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	214	0	83	70	637	0	0	379	172
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	214	0	83	70	637	0	0	379	172
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	0	0	0	214	0	83	70	637	0	0	379	172

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	0.00	0.00	0.72	0.00	0.28	0.10	0.90	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	395	0	152	63	566	0	0	567	637

Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.54	xxxx	0.54	1.12	1.12	xxxx	xxxx	0.67	0.27
Crit Moves:				****				****				****
Delay/Veh:	0.0	0.0	0.0	16.6	0.0	16.6	97.6	97.6	0.0	0.0	20.5	10.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	16.6	0.0	16.6	97.6	97.6	0.0	0.0	20.5	10.3
LOS by Move:	*	*	*	C	*	C	F	F	*	*	C	B
ApproachDel:	xxxxxx			16.6			97.6			17.3		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			16.6			97.6			17.3		
LOS by Appr:	*			C			F			C		
AllWayAvgQ:	0.0	0.0	0.0	1.1	1.1	1.1	15.5	15.5	15.5	0.0	1.8	0.4

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Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #12 Jefferson Bl & Duquesne Av

Cycle (sec): 100 Critical Vol./Cap.(X): 0.901
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 100 Level Of Service: E

Street Name:	Jefferson Bl				Duquesne Av			
Approach:	North Bound		South Bound		East Bound		West Bound	
Movement:	L	T	R	L	T	R	L	T
Control:	Protected		Protected		Permitted		Permitted	
Rights:	Include		Include		Ovl		Include	
Min. Green:	0	0	0	0	0	0	0	0
Lanes:	1	0	1	0	1	0	1	0

Volume Module:	Jefferson Bl		Duquesne Av	
	NB	SB	EB	WB
Base Vol:	311	1279	17	24
Growth Adj:	1.02	1.02	1.02	1.02
Initial Bse:	317	1305	17	24
Added Vol:	41	247	0	0
PasserByVol:	0	0	0	0
Initial Fut:	358	1552	17	24
User Adj:	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00
PHF Volume:	358	1552	17	24
Reduct Vol:	0	0	0	0
Reduced Vol:	358	1552	17	24
PCE Adj:	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00
Final Volume:	358	1552	17	24
OvlAdjVol:				86

Saturation Flow Module:	Jefferson Bl		Duquesne Av	
	NB	SB	EB	WB
Sat/Lane:	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00
Lanes:	1.00	1.98	0.02	1.00
Final Sat.:	1600	3165	35	1600

Capacity Analysis Module:	Jefferson Bl		Duquesne Av	
	NB	SB	EB	WB
Vol/Sat:	0.22	0.49	0.02	0.02
OvlAdjV/S:				0.05
Crit Moves:	****	****	****	****

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Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)

Intersection #13 Robertson Bl & Venice Bl

Cycle (sec): 100 Critical Vol./Cap. (X): 0.998
Loss Time (sec): 10 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Street Name: Robertson Bl Venice Bl
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 Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 2 0 1 0 1 1 0 1 2 0 3 0 1 1 0 3 0 1

Volume Module:
Base Vol: 143 261 48 228 232 368 482 2427 118 52 1611 85
Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02
Initial Bse: 146 266 49 233 237 375 492 2476 120 53 1643 87
Added Vol: 7 52 2 31 65 28 0 134 3 8 51 32
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 153 318 51 264 302 403 492 2610 123 61 1694 119
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 153 318 51 264 302 403 492 2610 123 61 1694 119
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 153 318 51 264 302 403 492 2610 123 61 1694 119
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.10 1.00 1.00 1.00 1.00 1.00
Final Volume: 153 318 51 264 302 403 541 2610 123 61 1694 119

Saturation Flow Module:
Sat/Lane: 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375 1375
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 2.00 1.00 0.93 1.07 1.00 2.00 3.00 1.00 1.00 3.00 1.00
Final Sat.: 1375 2750 1375 1282 1468 1375 2750 4125 1375 1375 4125 1375

Capacity Analysis Module:
Vol/Sat: 0.11 0.12 0.04 0.21 0.21 0.29 0.20 0.63 0.09 0.04 0.41 0.09
Crit Volume: 159 283 870 61
Crit Moves: ****

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Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)

Intersection #14 National Bl & Venice Bl

Cycle (sec): 100 Critical Vol./Cap.(X): 0.951
Loss Time (sec): 0 (Y+R=4.0 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: B

Street Name: National Bl Venice Bl
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Prot+Permit Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 1 0 1 0 1 1 0 2 0 3 0 1 2 0 3 0 1

Volume Module:
Base Vol: 143 505 58 144 722 113 151 2332 249 48 1595 86
Growth Adj: 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02
Initial Bse: 146 515 59 147 736 115 154 2379 254 49 1627 88
Added Vol: 4 82 1 1 13 4 14 170 3 3 69 6
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 150 597 60 148 749 119 168 2549 257 52 1696 94
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 150 597 60 148 749 119 168 2549 257 52 1696 94
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 150 597 60 148 749 119 168 2549 257 52 1696 94
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.10 1.00 1.00 1.10 1.00 1.00
Final Volume: 150 597 60 148 749 119 185 2549 257 57 1696 94

Saturation Flow Module:
Sat/Lane: 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 1.82 0.18 1.00 1.73 0.27 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.: 1425 2589 261 1425 2459 391 2850 4275 1425 2850 4275 1425

Capacity Analysis Module:
Vol/Sat: 0.11 0.23 0.23 0.10 0.30 0.30 0.06 0.60 0.18 0.02 0.40 0.07
Crit Volume: 329 148 850 29
Crit Moves: **** **** **** ****
