

APPENDICES

**REVISED 2025 CUMULATIVE NO PROJECT AND PLUS
PROJECT INTERSECTION ANALYSIS
PLEASANT GROVE AND FIDDYMENT**

City of Roseville Fiddymnt Ranch Ph 2 & Ph 3 Amendment
NP25CUM: 2025 Cumulative No Project
PM Peak Hour

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                        Level Of Service Computation Report
                    Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #86 Pleasant Grove & Fiddymnt
*****
Cycle (sec):           120                Critical Vol./Cap.(X):           0.939
Loss Time (sec):        12                Average Delay (sec/veh):         xxxxxx
Optimal Cycle:          180                Level Of Service:              E
*****
Approach:      North Bound      South Bound      East Bound      West Bound
Movement:      L - T - R      L - T - R      L - T - R      L - T - R
-----|-----|-----|-----|
Control:        Protected      Protected      Split Phase      Split Phase
Rights:         Ignore        Ignore        Ignore        Ignore
Min. Green:     0    0    0      0    0    0      0    0    0      0    0    0
Y+R:            4.0  4.0  4.0    4.0  4.0  4.0    4.0  4.0  4.0    4.0  4.0  4.0
Lanes:          2  0  3  0  1    2  0  3  0  1    2  0  2  0  1    2  1  1  0  1
-----|-----|-----|-----|
Volume Module:
Base Vol:       506 1203   889   27 1223   67   64 480   401 1080 762   33
Growth Adj:     1.00 1.00   1.00  1.00 1.00   1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse:    506 1203   889   27 1223   67   64 480   401 1080 762   33
Added Vol:      0    0    0      0    0    0      0    0    0      0    0    0
PasserByVol:    0    0    0      0    0    0      0    0    0      0    0    0
Initial Fut:    506 1203   889   27 1223   67   64 480   401 1080 762   33
User Adj:       1.00 1.00   0.00  1.00 1.00   0.00 1.00 1.00   0.00 1.00 1.00   0.00
PHF Adj:        1.00 1.00   0.00  1.00 1.00   0.00 1.00 1.00   0.00 1.00 1.00   0.00
PHF Volume:     506 1203    0   27 1223    0   64 480    0 1080 762    0
Reduct Vol:     0    0    0      0    0    0      0    0    0      0    0    0
Reduced Vol:    506 1203    0   27 1223    0   64 480    0 1080 762    0
PCE Adj:        1.00 1.00   0.00  1.00 1.00   0.00 1.00 1.00   0.00 1.00 1.00   0.00
MLF Adj:        1.00 1.00   0.00  1.00 1.00   0.00 1.00 1.00   0.00 1.00 1.00   0.00
FinalVolume:    506 1203    0   27 1223    0   64 480    0 1080 762    0
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:       1450 1450   1450  1450 1450   1450 1450   1450 1450 1450   1450
Adjustment:     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 3.00   1.00  2.00 3.00   1.00 2.00 2.00   1.00 2.35 1.65   1.00
Final Sat.:     2900 4350   1450  2900 4350   1450 2900 2900   1450 3401 2399   1450
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:        0.17 0.28   0.00  0.01 0.28   0.00 0.02 0.17   0.00 0.32 0.32   0.00
Crit Volume:    253                408                240                461
Crit Moves:     ****                ****                ****                ****
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City of Roseville Fiddymnt Ranch Ph 2 & Ph 3 Amendment
FR25CUM: 2025 Cumulative Plus Project
PM Peak Hour

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                        Level Of Service Computation Report
                Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #86 Pleasant Grove & Fiddymnt
*****
Cycle (sec):           120                Critical Vol./Cap.(X):           0.940
Loss Time (sec):       12                Average Delay (sec/veh):         xxxxxx
Optimal Cycle:         180                Level Of Service:             E
*****
Approach:              North Bound        South Bound        East Bound        West Bound
Movement:              L - T - R          L - T - R          L - T - R          L - T - R
-----|-----|-----|-----|
Control:               Protected          Protected          Split Phase        Split Phase
Rights:               Ignore             Ignore             Ignore             Ignore
Min. Green:           0   0   0           0   0   0           0   0   0           0   0   0
Y+R:                  4.0  4.0  4.0        4.0  4.0  4.0        4.0  4.0  4.0        4.0  4.0  4.0
Lanes:                2  0  3  0  1        2  0  3  0  1        2  0  2  0  1        2  1  1  0  1
-----|-----|-----|-----|
Volume Module:
Base Vol:             514 1253   873       28 1210   61       65 480   398   1075 775   36
Growth Adj:           1.00 1.00   1.00      1.00 1.00   1.00      1.00 1.00   1.00 1.00 1.00
Initial Bse:          514 1253   873       28 1210   61       65 480   398   1075 775   36
Added Vol:            0   0   0           0   0   0           0   0   0           0   0   0
PasserByVol:         0   0   0           0   0   0           0   0   0           0   0   0
Initial Fut:          514 1253   873       28 1210   61       65 480   398   1075 775   36
User Adj:             1.00 1.00   0.00      1.00 1.00   0.00      1.00 1.00   0.00 1.00 1.00
PHF Adj:              1.00 1.00   0.00      1.00 1.00   0.00      1.00 1.00   0.00 1.00 1.00
PHF Volume:           514 1253   0         28 1210   0         65 480   0       1075 775   0
Reduct Vol:           0   0   0           0   0   0           0   0   0           0   0   0
Reduced Vol:          514 1253   0         28 1210   0         65 480   0       1075 775   0
PCE Adj:              1.00 1.00   0.00      1.00 1.00   0.00      1.00 1.00   0.00 1.00 1.00
MLF Adj:              1.00 1.00   0.00      1.00 1.00   0.00      1.00 1.00   0.00 1.00 1.00
FinalVolume:          514 1253   0         28 1210   0         65 480   0       1075 775   0
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:             1450 1450   1450      1450 1450   1450      1450 1450   1450 1450 1450
Adjustment:           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 3.00   1.00      2.00 3.00   1.00      2.00 2.00   1.00 2.32 1.68 1.00
Final Sat.:           2900 4350   1450      2900 4350   1450      2900 2900   1450 3370 2430 1450
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:              0.18 0.29   0.00      0.01 0.28   0.00      0.02 0.17   0.00 0.32 0.32   0.00
Crit Volume:          257                403                240                463
Crit Moves:          ****                ****                ****                ****
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REVISED INTERSECTION ANALYSIS
BASELINE AND FIDDYMENT WITH 2 SB THROUGH LANES
AND WITH 2ND EB LEFT TURN LANE AS MITIGATION

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.588

Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx

Optimal Cycle: 55 Level Of Service: A

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Ovl					Ovl					Include					Ovl				
Min. Green:	0		0		0	0		0		0	0		0		0	0		0		0
Y+R:	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0
Lanes:	1	0	2	0	1	1	0	2	0	1	1	0	1	1	0	1	0	2	0	1

Volume Module:

Base Vol:	24	544	140	144	627	630	221	184	4	206	397	104
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	544	140	144	627	630	221	184	4	206	397	104
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	544	140	144	627	630	221	184	4	206	397	104
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	544	140	144	627	630	221	184	4	206	397	104
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:	24	544	140	144	627	630	221	184	4	206	397	104

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2838	62	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.10	0.10	0.22	0.43	0.15	0.06	0.06	0.14	0.14	0.07
Crit Volume:	24					630	0			199		
Crit Moves:	****					****	****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.660

Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx

Optimal Cycle: 67 Level Of Service: B

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Ovl					Ovl					Include					Ovl				
Min. Green:	0		0		0	0		0		0	0		0		0	0		0		0
Y+R:	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0
Lanes:	1	0	2	0	1	1	0	2	0	1	1	0	1	1	0	1	0	2	0	1

Volume Module:

Base Vol:	24	544	171	75	777	730	182	225	4	160	405	129
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	544	171	75	777	730	182	225	4	160	405	129
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	544	171	75	777	730	182	225	4	160	405	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	544	171	75	777	730	182	225	4	160	405	129
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:	24	544	171	75	777	730	182	225	4	160	405	129

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.97	0.03	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2849	51	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.12	0.05	0.27	0.50	0.13	0.08	0.08	0.11	0.14	0.09
Crit Volume:	24					730	0			203		
Crit Moves:	****					****	****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.781

Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx

Optimal Cycle: 104 Level Of Service: C

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Ovl					Ovl					Include					Ovl				
Min. Green:	0		0		0	0		0		0	0		0		0	0		0		0
Y+R:	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0
Lanes:	1	0	2	0	1	1	0	2	0	1	1	0	1	1	0	1	0	2	0	1

Volume Module:

Base Vol:	21	519	196	120	601	249	573	467	5	189	361	172
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	519	196	120	601	249	573	467	5	189	361	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:	21	519	196	120	601	249	573	467	5	189	361	172
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	21	519	196	120	601	249	573	467	5	189	361	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:	21	519	196	120	601	249	573	467	5	189	361	172

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2869	31	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.18	0.14	0.08	0.21	0.17	0.40	0.16	0.16	0.13	0.12	0.12
Crit Volume:	260			120			573			181		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.911

Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx

Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Ovl					Ovl					Include					Ovl				
Min. Green:	0		0		0	0		0		0	0		0		0	0		0		0
Y+R:	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0	4.0		4.0		4.0
Lanes:	1	0	2	0	1	1	0	2	0	1	1	0	1	1	0	1	0	2	0	1

Volume Module:

Base Vol:	21	654	151	153	595	216	646	450	5	222	389	98
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	654	151	153	595	216	646	450	5	222	389	98
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	21	654	151	153	595	216	646	450	5	222	389	98
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	21	654	151	153	595	216	646	450	5	222	389	98
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	21	654	151	153	595	216	646	450	5	222	389	98

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2868	32	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.23	0.10	0.11	0.21	0.15	0.45	0.16	0.16	0.15	0.13	0.07
Crit Volume:	327			153			646			195		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

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*****
Intersection #4 Baseline Rd & Fiddymment Rd
*****
Cycle (sec):          120          Critical Vol./Cap.(X):          0.688
Loss Time (sec):       12          Average Delay (sec/veh):       xxxxxx
Optimal Cycle:         73          Level Of Service:           B
*****
Approach:      North Bound      South Bound      East Bound      West Bound
Movement:      L - T - R      L - T - R      L - T - R      L - T - R
-----|-----|-----|-----|
Control:      Protected      Protected      Protected      Protected
Rights:      Ovl      Ovl      Include      Ovl
Min. Green:      0      0      0      0      0      0      0      0      0
Y+R:      4.0  4.0  4.0  4.0  4.0  4.0  4.0  4.0  4.0  4.0  4.0  4.0
Lanes:      1  0  2  0  1  1  0  2  0  1  2  0  1  1  0  1  0  2  0  1
-----|-----|-----|-----|
Volume Module:
Base Vol:      21  654  151  153  595  216  646  450  5  222  389  98
Growth Adj:  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse:  21  654  151  153  595  216  646  450  5  222  389  98
User Adj:      1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj:      1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume:    21  654  151  153  595  216  646  450  5  222  389  98
Reduct Vol:    0      0      0      0      0      0      0      0      0
Reduced Vol:   21  654  151  153  595  216  646  450  5  222  389  98
PCE Adj:      1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj:      1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume:   21  654  151  153  595  216  646  450  5  222  389  98
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 2.00 1.98 0.02 1.00 2.00 1.00
Final Sat.:    1450 2900 1450 1450 2900 1450 2900 2868 32 1450 2900 1450
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:       0.01 0.23 0.10 0.11 0.21 0.15 0.22 0.16 0.16 0.15 0.13 0.07
Crit Volume:      327      153      323      195
Crit Moves:      ****      ****      ****      ****
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REVISED INTERSECTION ANALYSIS

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS	V/ Veh C	Del/ LOS	V/ Veh C	
# 38 Eureka Rd & N. Sunrise Ave	A xxxxx	0.419	A xxxxx	0.419	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A xxxxx	0.345	A xxxxx	0.345	+ 0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	A xxxxx	0.503	A xxxxx	0.503	+ 0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	A xxxxx	0.377	A xxxxx	0.377	+ 0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	B xxxxx	0.692	B xxxxx	0.692	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #38 Eureka Rd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.419
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ignore Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 3 0 2 0 1 2 0 3 0 1 2 0 3 0 1 2 0 4 0 1

Volume Module:
Base Vol: 109 178 64 88 219 187 233 1335 363 58 575 56
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 109 178 64 88 219 187 233 1335 363 58 575 56
User Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 109 178 0 88 219 0 233 1335 0 58 575 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 109 178 0 88 219 0 233 1335 0 58 575 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 109 178 0 88 219 0 233 1335 0 58 575 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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: 3.00 2.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00 2.00 4.00 1.00
Final Sat.: 4350 2900 1450 2900 4350 1450 2900 4350 1450 2900 5800 1450

Capacity Analysis Module:
Vol/Sat: 0.03 0.06 0.00 0.03 0.05 0.00 0.08 0.31 0.00 0.02 0.10 0.00
Crit Volume: 89 44 445 29
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.345
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 0 0 0 1 1 0 2 0 0 0 0 1 1 0

Volume Module:
Base Vol: 0 0 0 112 0 50 9 812 0 0 539 24
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 112 0 50 9 812 0 0 539 24
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 0 112 0 50 9 812 0 0 539 24
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 112 0 50 9 812 0 0 539 24
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 0 112 0 50 9 812 0 0 539 24

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 0.00 1.00 0.00 1.00 1.00 2.00 0.00 0.00 1.91 0.09
Final Sat.: 0 0 0 1500 0 1500 1500 3000 0 0 2872 128

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.07 0.00 0.03 0.01 0.27 0.00 0.00 0.19 0.19
Crit Volume: 0 112 406 0
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.503
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ignore Ovl Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 0 2 1 0 2 0 1 0 0 4 0 1 2 0 2 0 1

Volume Module:
Base Vol: 148 0 276 63 213 228 0 1557 229 171 450 349
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 148 0 276 63 213 228 0 1557 229 171 450 349
User Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 148 0 276 63 213 0 0 1557 229 171 450 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 148 0 276 63 213 0 0 1557 229 171 450 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 148 0 276 63 213 0 0 1557 229 171 450 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 1.00 2.00 1.00 0.00 4.00 1.00 2.00 2.00 1.00
Final Sat.: 1450 0 2900 1450 2900 1450 0 5800 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.10 0.00 0.10 0.04 0.07 0.00 0.00 0.27 0.16 0.06 0.16 0.00
Crit Volume: 148 107 389 86
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.377
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ovl Include Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 1 0 0 0 0 2 1 0 3 0 0 0 0 3 0 1

Volume Module:
Base Vol: 0 0 1446 0 0 317 142 883 0 0 1220 133
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 1446 0 0 317 142 883 0 0 1220 133
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 0 0 0 0 0 317 142 883 0 0 1220 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 0 317 142 883 0 0 1220 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 0 0 0 0 0 317 142 883 0 0 1220 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 0.00 2.00 1.00 3.00 0.00 0.00 3.00 1.00
Final Sat.: 0 0 1500 0 0 3000 1500 4500 0 0 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.11 0.09 0.20 0.00 0.00 0.27 0.00
Crit Volume: 0 159 0 407
Crit Moves: ****

Existing AM Wed Jul 10, 2013 14:34:45 Page 7-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.692
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 74 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound			
Movement:	L	T	R	L	T	R	L	T	R	L	T	R	
Control:	Protected			Protected			Protected			Protected			
Rights:	Ignore			Include			Ignore			Ignore			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lanes:	1	0	2	0	1	2	0	0	0	1	2	0	2

Volume Module:

Base Vol:	121	496	644	117	0	303	171	1159	181	0	732	71
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	121	496	644	117	0	303	171	1159	181	0	732	71
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	121	496	0	117	0	303	171	1159	0	0	732	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	121	496	0	117	0	303	171	1159	0	0	732	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	121	496	0	117	0	303	171	1159	0	0	732	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	2.00	2.00	1.00	0.00	4.00	1.00
Final Sat.:	1450	2900	1450	2900	0	1450	2900	2900	1450	0	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.17	0.00	0.04	0.00	0.21	0.06	0.40	0.00	0.00	0.13	0.00
Crit Volume:	121					303		580		0		
Crit Moves:	****					****		****		****		

Existing PM Wed Jul 10, 2013 14:34:40 Page 1-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

Scenario Report

Scenario: Existing PM

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 38 Eureka Rd & N. Sunrise Ave	A xxxxx	0.530	A xxxxx	0.530	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A xxxxx	0.395	A xxxxx	0.395	+ 0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	B xxxxx	0.647	B xxxxx	0.647	+ 0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	C xxxxx	0.708	C xxxxx	0.708	+ 0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	E xxxxx	0.963	E xxxxx	0.963	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #38 Eureka Rd & N. Sunrise Ave															

Cycle (sec):	120			Critical Vol./Cap.(X):						0.530					
Loss Time (sec):	12			Average Delay (sec/veh):						xxxxxx					
Optimal Cycle:	49			Level Of Service:						A					

Approach:	North Bound			South Bound			East Bound			West Bound					
Movement:	L	T	R	L	T	R	L	T	R	L	T	R			
----- ----- ----- -----															
Control:	Protected			Protected			Protected			Protected					
Rights:	Ignore			Ignore			Ignore			Ignore					
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0			
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			
Lanes:	3	0	2	0	1	2	0	3	0	1	2	0	4	0	1
----- ----- ----- -----															
Volume Module:															
Base Vol:	480	399	163	179	401	315	202	936	322	126	1495	158			
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Initial Bse:	480	399	163	179	401	315	202	936	322	126	1495	158			
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
PHF Volume:	480	399	0	179	401	0	202	936	0	126	1495	0			
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0			
Reduced Vol:	480	399	0	179	401	0	202	936	0	126	1495	0			
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
FinalVolume:	480	399	0	179	401	0	202	936	0	126	1495	0			
----- ----- ----- -----															
Saturation Flow Module:															
Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450			
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:	3.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	4.00	1.00			
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	4350	1450	2900	5800	1450			
----- ----- ----- -----															
Capacity Analysis Module:															
Vol/Sat:	0.11	0.14	0.00	0.06	0.09	0.00	0.07	0.22	0.00	0.04	0.26	0.00			
Crit Volume:	160			134			101			374					
Crit Moves:	****			****			****			****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.395
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 0 0 0 1 0 0 1 1 0

Volume Module:
Base Vol: 0 0 0 51 0 17 35 815 0 0 961 51
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 51 0 17 35 815 0 0 961 51
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 51 0 17 35 815 0 0 961 51
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 51 0 17 35 815 0 0 961 51
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 51 0 17 35 815 0 0 961 51

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 0.00 1.00 0.00 1.00 1.00 2.00 0.00 0.00 1.90 0.10
Final Sat.: 0 0 0 1500 0 1500 1500 3000 0 0 2849 151

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.03 0.00 0.01 0.02 0.27 0.00 0.00 0.34 0.34
Crit Volume: 0 51 35 506
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.647
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ignore Ovl Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 0 2 1 0 2 0 1 0 0 4 0 1 2 0 2 0 1

Volume Module:
Base Vol: 342 0 367 130 219 251 0 1591 259 178 613 361
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 342 0 367 130 219 251 0 1591 259 178 613 361
User Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 342 0 367 130 219 0 0 1591 259 178 613 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 342 0 367 130 219 0 0 1591 259 178 613 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 342 0 367 130 219 0 0 1591 259 178 613 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 1.00 2.00 1.00 0.00 4.00 1.00 2.00 2.00 1.00
Final Sat.: 1450 0 2900 1450 2900 1450 0 5800 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.24 0.00 0.13 0.09 0.08 0.00 0.00 0.27 0.18 0.06 0.21 0.00
Crit Volume: 342 109 398 89
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.708
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 78 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ovl Include Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 1 0 0 0 0 2 1 0 3 0 0 0 0 3 0 1

Volume Module:
Base Vol: 0 0 1014 0 0 319 185 1048 0 0 2629 254
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 1014 0 0 319 185 1048 0 0 2629 254
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 0 0 0 0 0 319 185 1048 0 0 2629 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 0 319 185 1048 0 0 2629 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 0 0 0 0 0 319 185 1048 0 0 2629 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 0.00 2.00 1.00 3.00 0.00 0.00 3.00 1.00
Final Sat.: 0 0 1500 0 0 3000 1500 4500 0 0 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.11 0.12 0.23 0.00 0.00 0.58 0.00
Crit Volume: 0 0 185 876
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.963
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Include Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 2 0 1 2 0 0 0 1 2 0 2 0 1 0 0 4 0 1

Volume Module:
Base Vol: 171 580 349 267 0 650 199 869 232 0 1902 283
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 171 580 349 267 0 650 199 869 232 0 1902 283
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 171 580 0 267 0 650 199 869 0 0 1902 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 171 580 0 267 0 650 199 869 0 0 1902 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 171 580 0 267 0 650 199 869 0 0 1902 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 2.00 0.00 1.00 2.00 2.00 1.00 0.00 4.00 1.00
Final Sat.: 1450 2900 1450 2900 0 1450 2900 2900 1450 0 5800 1450

Capacity Analysis Module:
Vol/Sat: 0.12 0.20 0.00 0.09 0.00 0.45 0.07 0.30 0.00 0.00 0.33 0.00
Crit Volume: 171 650 99 476
Crit Moves: **** **** ****

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

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	LOS	Veh C	LOS	Veh C	
# 38 Eureka Rd & N. Sunrise Ave	A	xxxxx 0.438	A	xxxxx 0.438	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A	xxxxx 0.485	A	xxxxx 0.485	+ 0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	A	xxxxx 0.539	A	xxxxx 0.539	+ 0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	A	xxxxx 0.354	A	xxxxx 0.354	+ 0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	C	xxxxx 0.714	C	xxxxx 0.714	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #38 Eureka Rd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.438
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ignore Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 3 0 2 0 1 2 0 3 0 1 2 0 4 0 1

Volume Module:
Base Vol: 110 181 63 77 217 187 233 1432 366 57 576 77
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 110 181 63 77 217 187 233 1432 366 57 576 77
User Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 110 181 0 77 217 0 233 1432 0 57 576 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 110 181 0 77 217 0 233 1432 0 57 576 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 110 181 0 77 217 0 233 1432 0 57 576 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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: 3.00 2.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00 2.00 4.00 1.00
Final Sat.: 4350 2900 1450 2900 4350 1450 2900 4350 1450 2900 5800 1450

Capacity Analysis Module:
Vol/Sat: 0.03 0.06 0.00 0.03 0.05 0.00 0.08 0.33 0.00 0.02 0.10 0.00
Crit Volume: 91 39 477 29
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.485
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
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 0 191 0 12 12 1074 0 0 545 24
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 191 0 12 12 1074 0 0 545 24
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 0 191 0 12 12 1074 0 0 545 24
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 191 0 12 12 1074 0 0 545 24
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 0 191 0 12 12 1074 0 0 545 24

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 0.00 1.00 0.00 1.00 1.00 2.00 0.00 0.00 1.92 0.08
Final Sat.: 0 0 0 1500 0 1500 1500 3000 0 0 2873 127

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.13 0.00 0.01 0.01 0.36 0.00 0.00 0.19 0.19
Crit Volume: 0 191 537 0
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.539
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ignore Ovl Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 0 2 1 0 2 0 1 0 0 4 0 1 2 0 2 0 1

Volume Module:
Base Vol: 138 0 321 57 238 230 0 1857 248 121 466 348
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 138 0 321 57 238 230 0 1857 248 121 466 348
User Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 138 0 321 57 238 0 0 1857 248 121 466 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 138 0 321 57 238 0 0 1857 248 121 466 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 138 0 321 57 238 0 0 1857 248 121 466 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 1.00 2.00 1.00 0.00 4.00 1.00 2.00 2.00 1.00
Final Sat.: 1450 0 2900 1450 2900 1450 0 5800 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.10 0.00 0.11 0.04 0.08 0.00 0.00 0.32 0.17 0.04 0.16 0.00
Crit Volume: 138 119 464 60
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.354
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ovl Include Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 1 0 0 0 0 2 1 0 3 0 0 0 0 3 0 1

Volume Module:
Base Vol: 0 0 1446 0 0 317 157 883 0 0 1118 115
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 1446 0 0 317 157 883 0 0 1118 115
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 0 0 0 0 0 317 157 883 0 0 1118 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 0 317 157 883 0 0 1118 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 0 0 0 0 0 317 157 883 0 0 1118 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 0.00 2.00 1.00 3.00 0.00 0.00 3.00 1.00
Final Sat.: 0 0 1500 0 0 3000 1500 4500 0 0 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.11 0.10 0.20 0.00 0.00 0.25 0.00
Crit Volume: 0 159 0 373
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.714
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 80 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
-----|-----|-----|-----|

Control: Protected Protected Protected Protected
Rights: Ignore Include Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 2 0 1 2 0 0 0 1 2 0 2 0 1 0 0 4 0 1
-----|-----|-----|-----|

Volume Module:
Base Vol: 122 462 638 160 0 301 180 1225 181 0 735 71
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 122 462 638 160 0 301 180 1225 181 0 735 71
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 122 462 0 160 0 301 180 1225 0 0 735 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 122 462 0 160 0 301 180 1225 0 0 735 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 122 462 0 160 0 301 180 1225 0 0 735 0
-----|-----|-----|-----|

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 2.00 0.00 1.00 2.00 2.00 1.00 0.00 4.00 1.00
Final Sat.: 1450 2900 1450 2900 0 1450 2900 2900 1450 0 5800 1450
-----|-----|-----|-----|

Capacity Analysis Module:
Vol/Sat: 0.08 0.16 0.00 0.06 0.00 0.21 0.06 0.42 0.00 0.00 0.13 0.00
Crit Volume: 122 301 613 0
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Roseville City Intersections)

Scenario Report

Scenario: Existing Plus Project PM

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/	V/	Del/	V/	
	LOS Veh	C	LOS Veh	C	
# 38 Eureka Rd & N. Sunrise Ave	A xxxxx	0.543	A xxxxx	0.543	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A xxxxx	0.490	A xxxxx	0.490	+ 0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	C xxxxx	0.748	C xxxxx	0.748	+ 0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	C xxxxx	0.714	C xxxxx	0.714	+ 0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	E xxxxx	0.975	E xxxxx	0.975	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #38 Eureka Rd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.543
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

-----|-----|-----|-----|
Control: Protected Protected Protected Protected
Rights: Ignore Ignore Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 3 0 2 0 1 2 0 3 0 1 2 0 3 0 1 2 0 4 0 1
-----|-----|-----|-----|

Volume Module:
Base Vol: 523 401 162 187 42 309 212 936 325 125 1549 147
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 523 401 162 187 42 309 212 936 325 125 1549 147
User Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 523 401 0 187 42 0 212 936 0 125 1549 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 523 401 0 187 42 0 212 936 0 125 1549 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 523 401 0 187 42 0 212 936 0 125 1549 0
-----|-----|-----|-----|

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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: 3.00 2.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00 2.00 4.00 1.00
Final Sat.: 4350 2900 1450 2900 4350 1450 2900 4350 1450 2900 5800 1450
-----|-----|-----|-----|

Capacity Analysis Module:
Vol/Sat: 0.12 0.14 0.00 0.06 0.01 0.00 0.07 0.22 0.00 0.04 0.27 0.00
Crit Volume: 201 94 106 387
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 0 0 0 1 1 0 1 1 0

Volume Module:
Base Vol: 0 0 0 54 0 23 12 825 0 0 1208 130
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 54 0 23 12 825 0 0 1208 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: 0 0 0 54 0 23 12 825 0 0 1208 130
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 54 0 23 12 825 0 0 1208 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: 0 0 0 54 0 23 12 825 0 0 1208 130

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 0.00 1.00 0.00 1.00 1.00 2.00 0.00 0.00 1.81 0.19
Final Sat.: 0 0 0 1500 0 1500 1500 3000 0 0 2709 291

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.04 0.00 0.02 0.01 0.28 0.00 0.00 0.45 0.45
Crit Volume: 0 54 12 669
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.748
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 91 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ignore Ovl Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 0 2 1 0 2 0 1 0 0 4 0 1 2 0 2 0 1

Volume Module:
Base Vol: 469 0 571 129 225 220 0 1631 311 192 720 357
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 469 0 571 129 225 220 0 1631 311 192 720 357
User Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 469 0 571 129 225 0 0 1631 311 192 720 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 469 0 571 129 225 0 0 1631 311 192 720 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 469 0 571 129 225 0 0 1631 311 192 720 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 1.00 2.00 1.00 0.00 4.00 1.00 2.00 2.00 1.00
Final Sat.: 1450 0 2900 1450 2900 1450 0 5800 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.32 0.00 0.20 0.09 0.08 0.00 0.00 0.28 0.21 0.07 0.25 0.00
Crit Volume: 469 113 408 96
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.714
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 80 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ovl Include Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 1 0 0 0 0 2 1 0 3 0 0 0 0 3 0 1

Volume Module:
Base Vol: 0 0 1014 0 0 319 195 1048 0 0 2626 210
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 1014 0 0 319 195 1048 0 0 2626 210
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 0 0 0 0 0 319 195 1048 0 0 2626 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 0 319 195 1048 0 0 2626 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 0 0 0 0 0 319 195 1048 0 0 2626 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 0.00 2.00 1.00 3.00 0.00 0.00 3.00 1.00
Final Sat.: 0 0 1500 0 0 3000 1500 4500 0 0 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.11 0.13 0.23 0.00 0.00 0.58 0.00
Crit Volume: 0 0 195 875
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.975
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

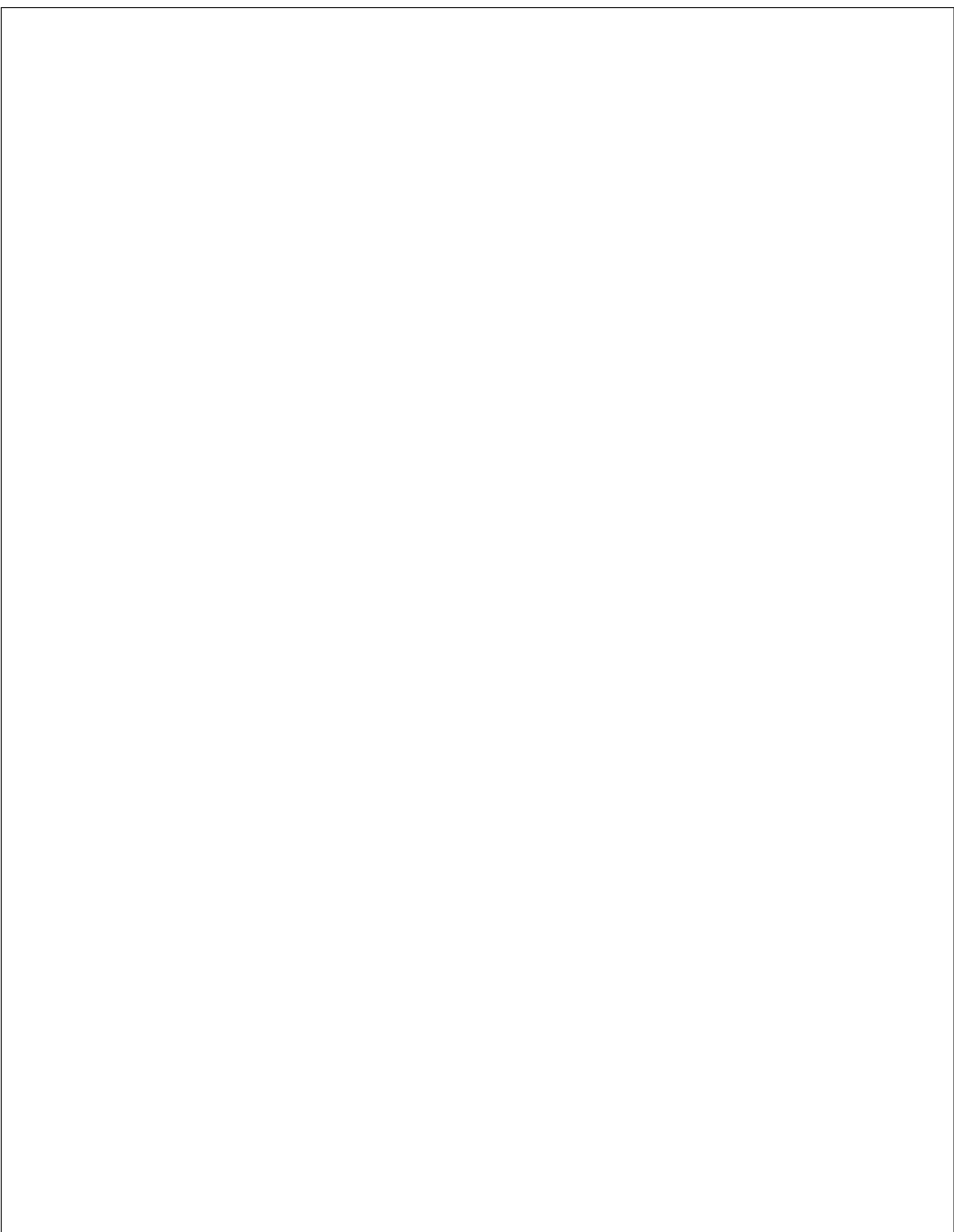
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Include Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 2 0 1 2 0 0 0 1 2 0 2 0 1 0 0 4 0 1

Volume Module:
Base Vol: 171 569 355 268 0 656 190 875 232 0 1965 311
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 171 569 355 268 0 656 190 875 232 0 1965 311
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 171 569 0 268 0 656 190 875 0 0 1965 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 171 569 0 268 0 656 190 875 0 0 1965 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 171 569 0 268 0 656 190 875 0 0 1965 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 2.00 0.00 1.00 2.00 2.00 1.00 0.00 4.00 1.00
Final Sat.: 1450 2900 1450 2900 0 1450 2900 2900 1450 0 5800 1450

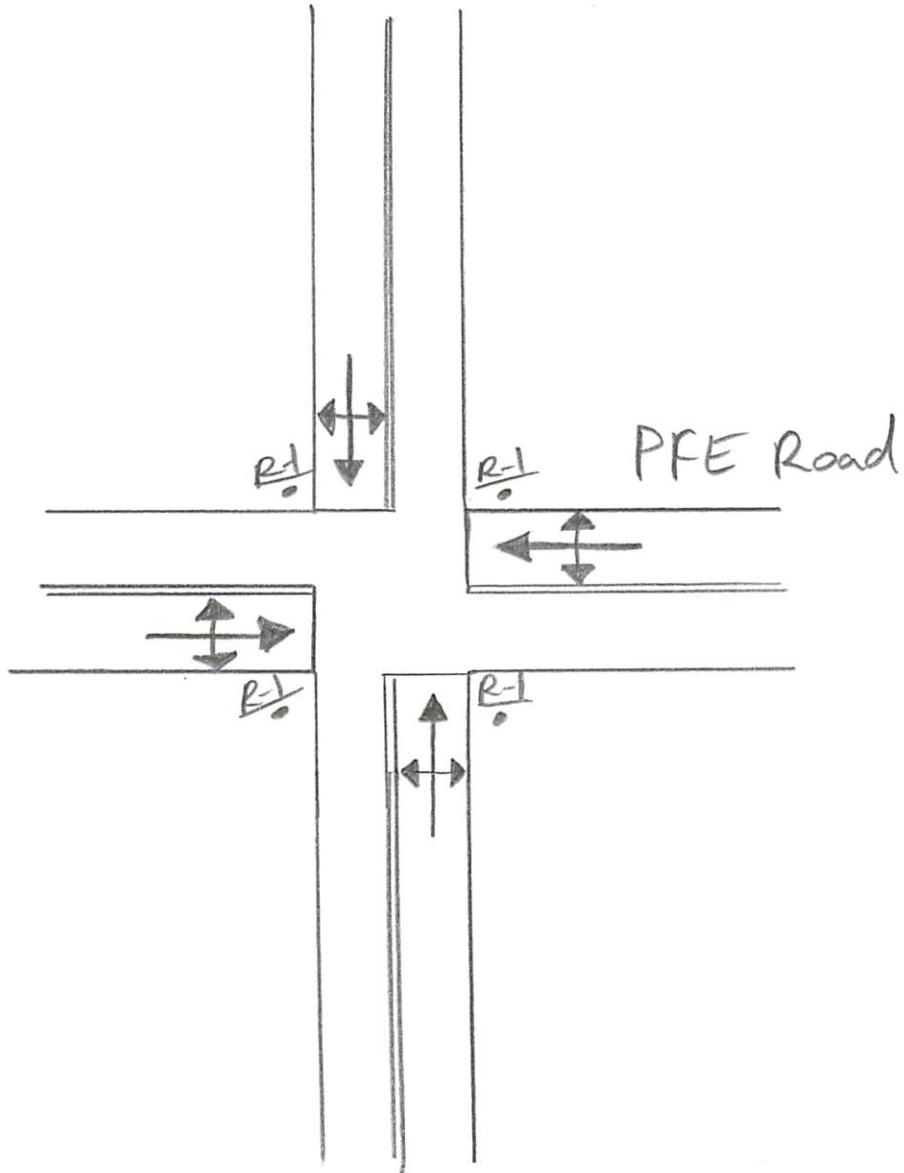
Capacity Analysis Module:
Vol/Sat: 0.12 0.20 0.00 0.09 0.00 0.45 0.07 0.30 0.00 0.00 0.34 0.00
Crit Volume: 171 656 95 491
Crit Moves: **** **** ****



TRAFFIC COUNT DATA

13-7262-001
N ↑

Watt Avenue

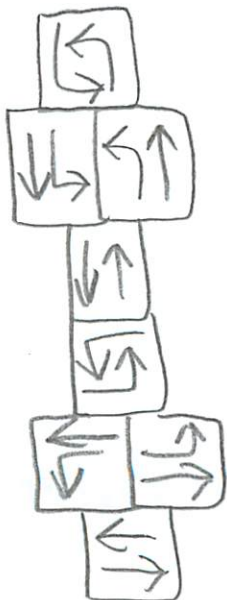
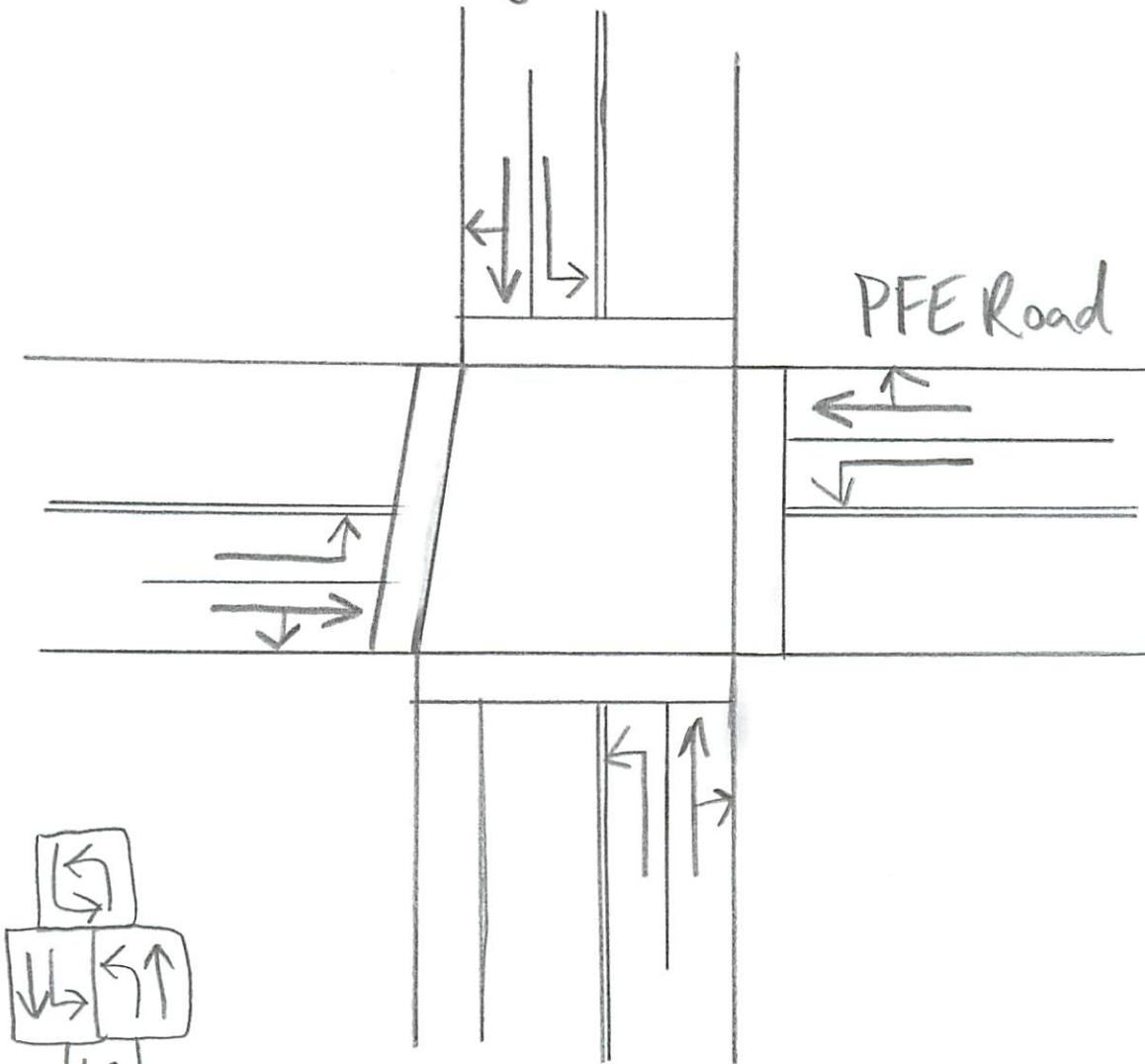


13-7262-002

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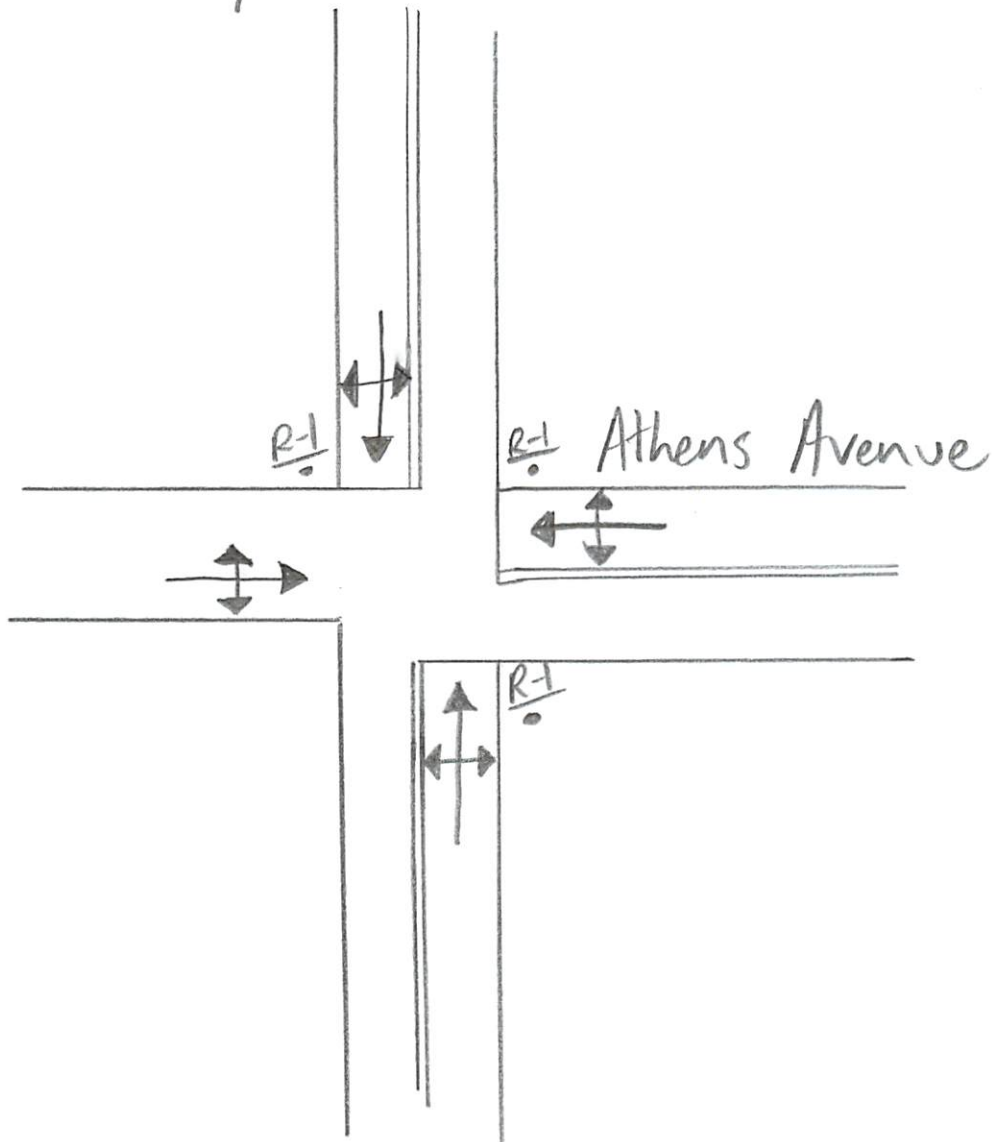
Wakerga Road

PFE Road



B-7262-003
N ↑

Fiddymant Road

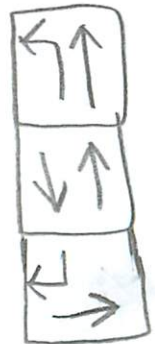
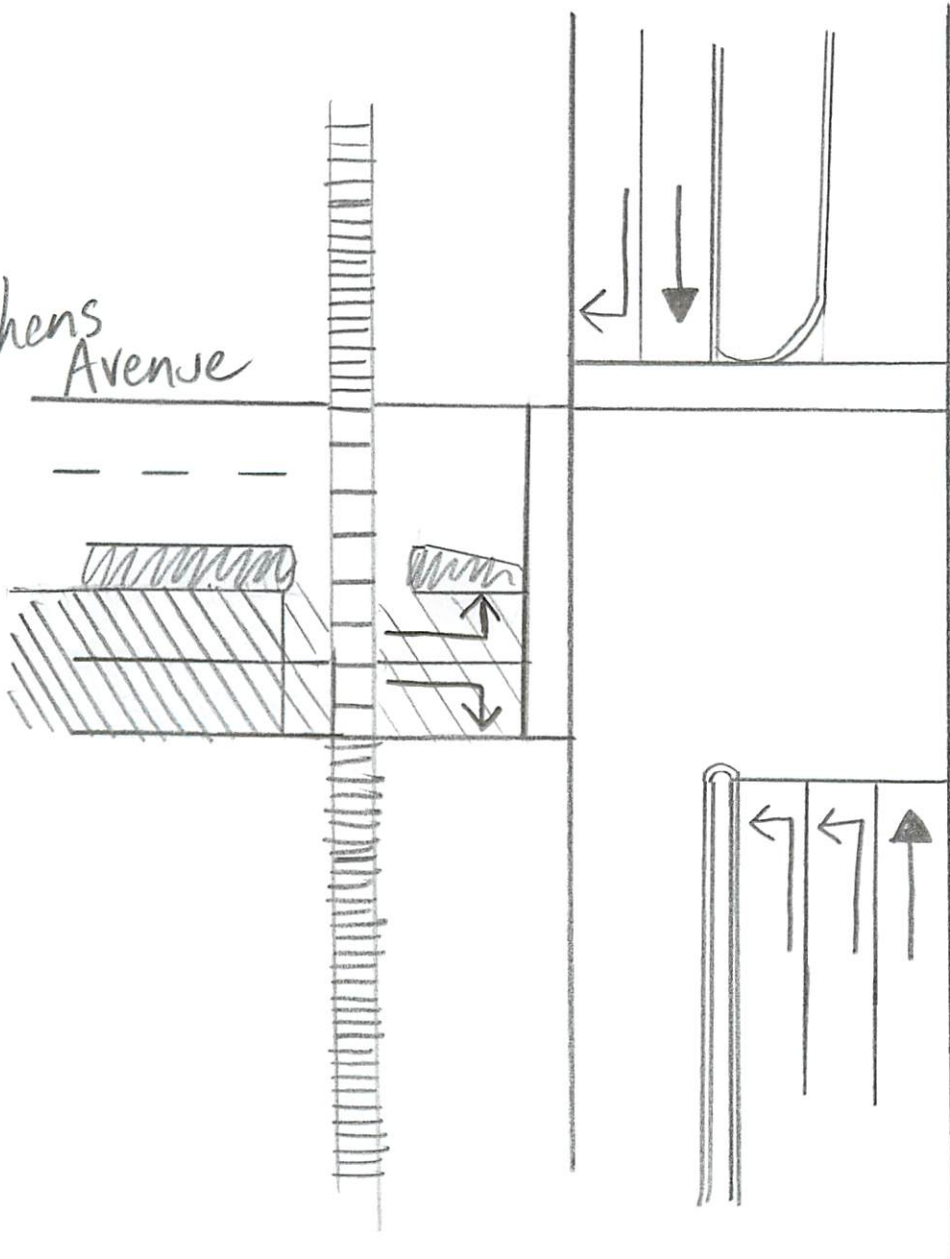


13-7262-004,

N ↑

Industrial Avenue

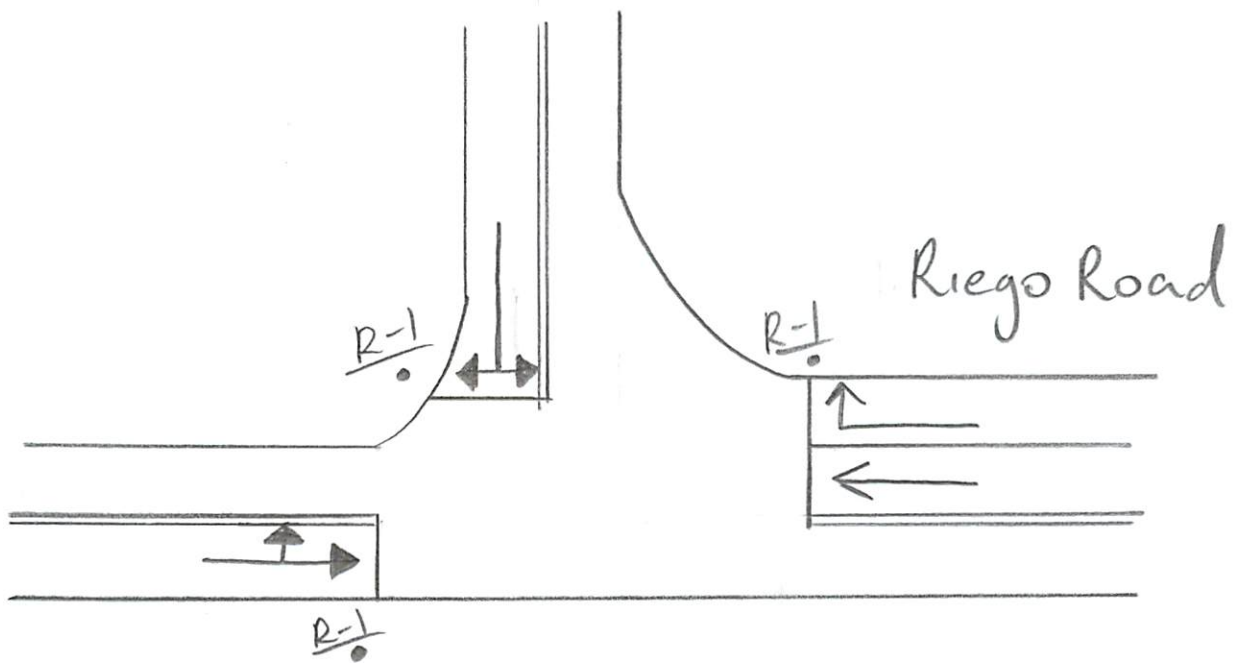
Athens Avenue



13-7262-005

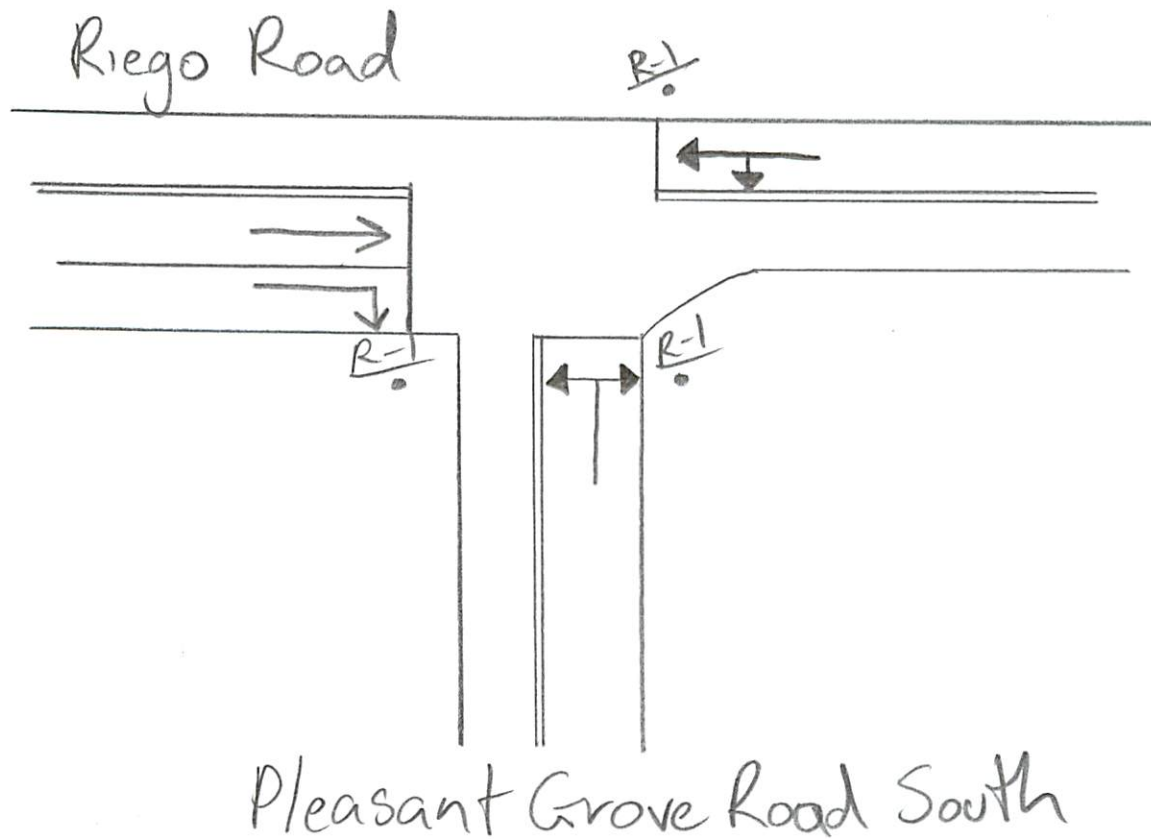
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Pleasant Grove Road North



13-7262-006

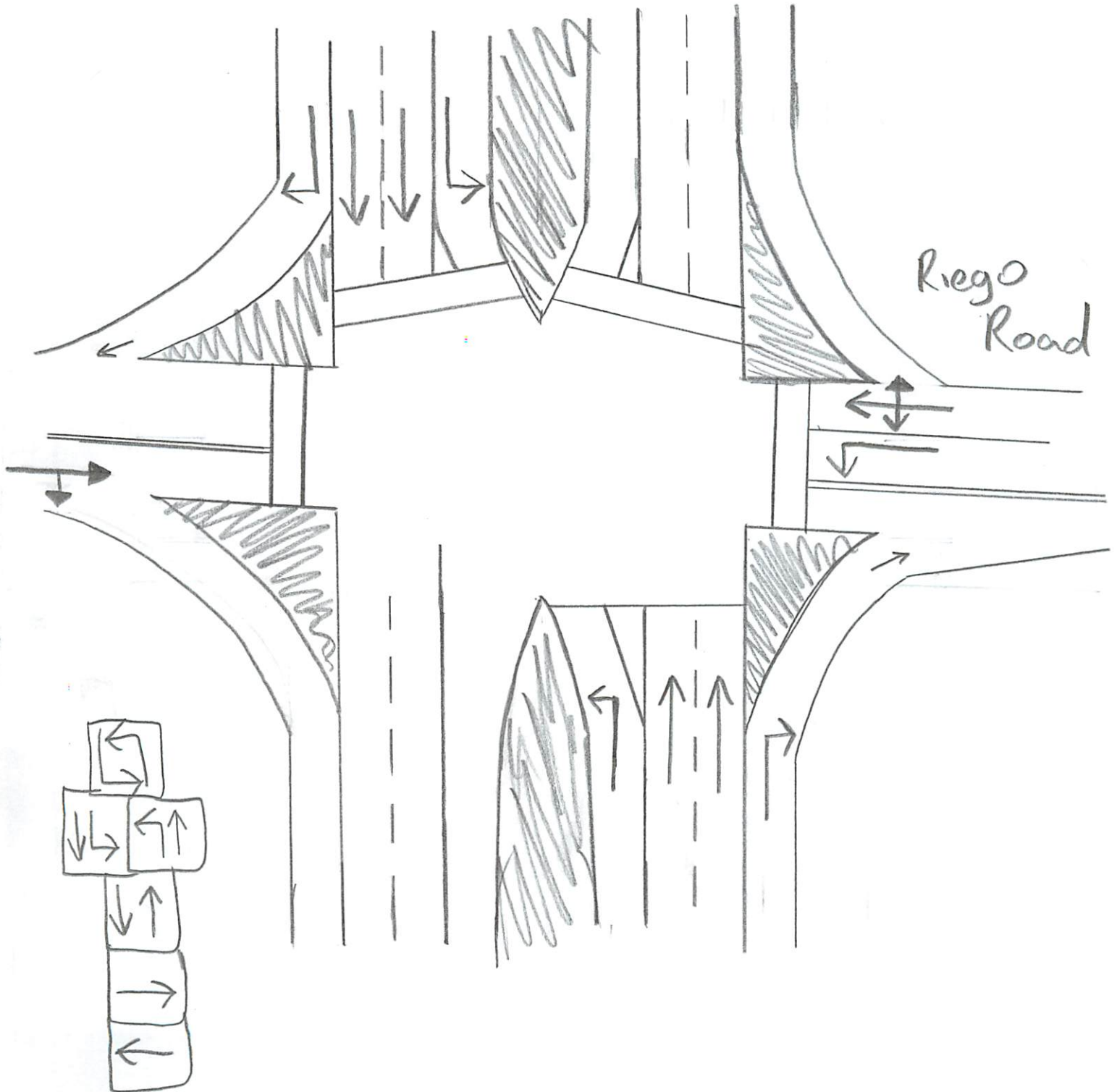
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13-7262-007

N ↑

SR-99



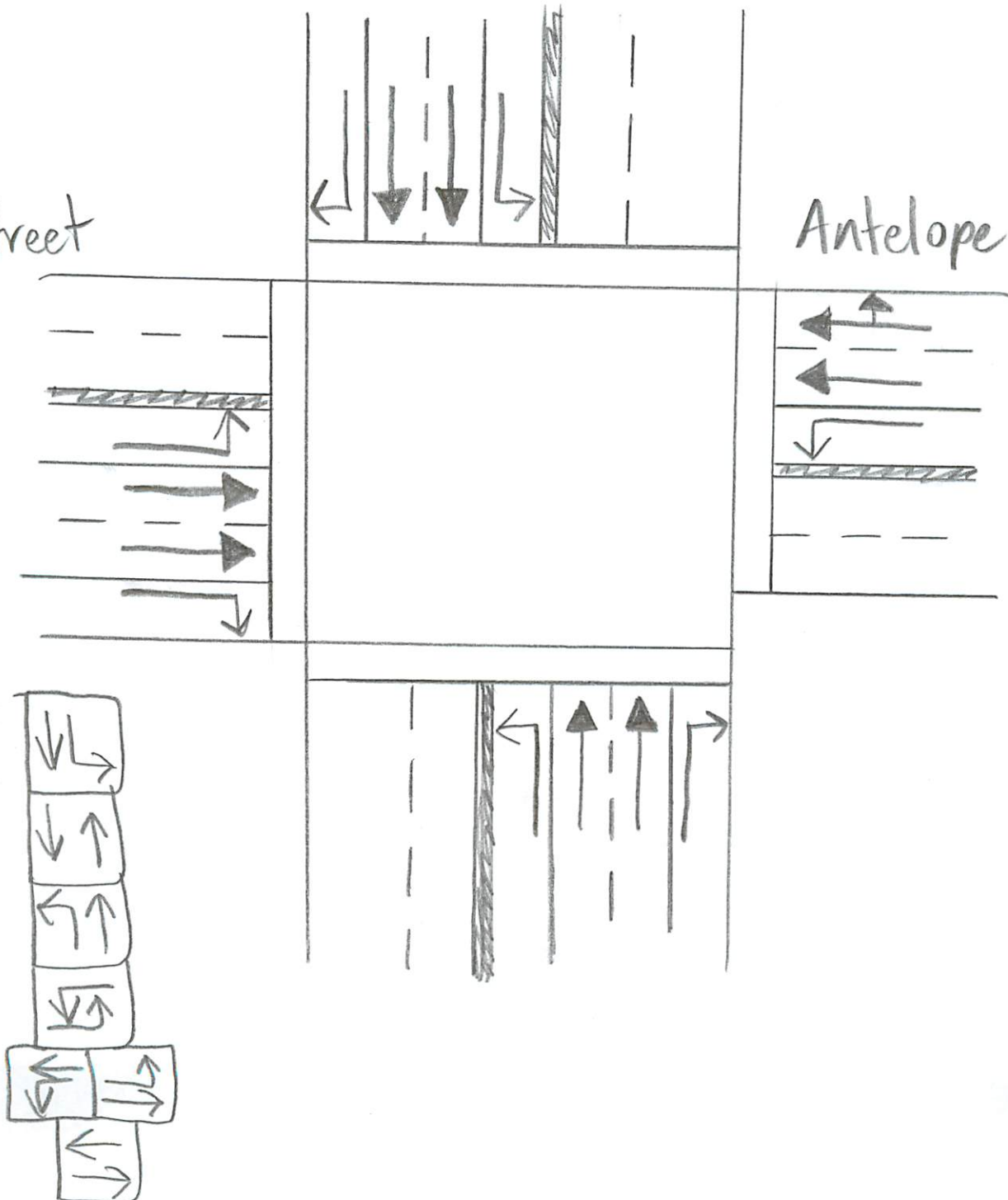
13-7262-008

N ↑

Watt Avenue

U Street

Antelope Road

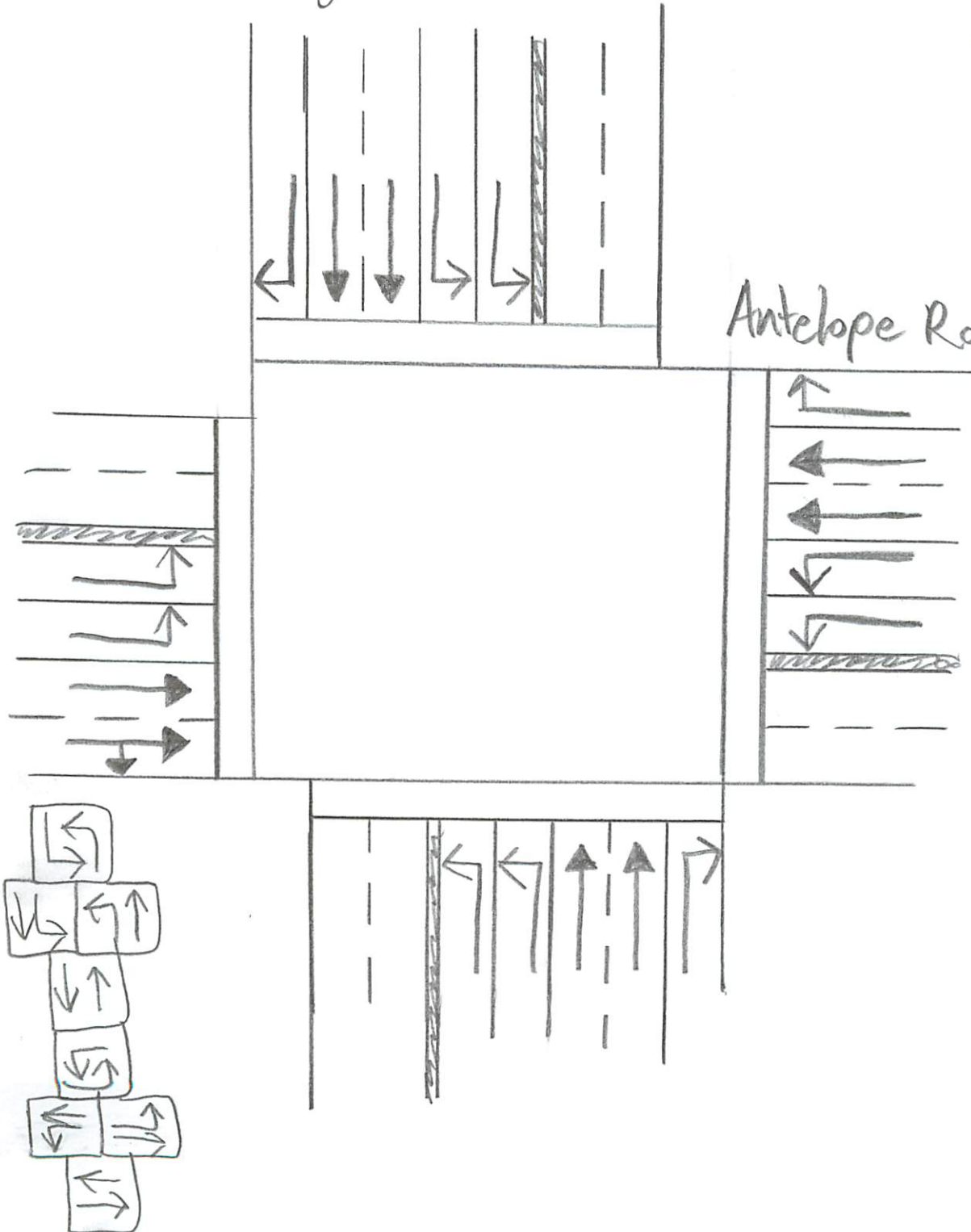


13-7262-009

N ↑

Walerga Road

Antelope Road

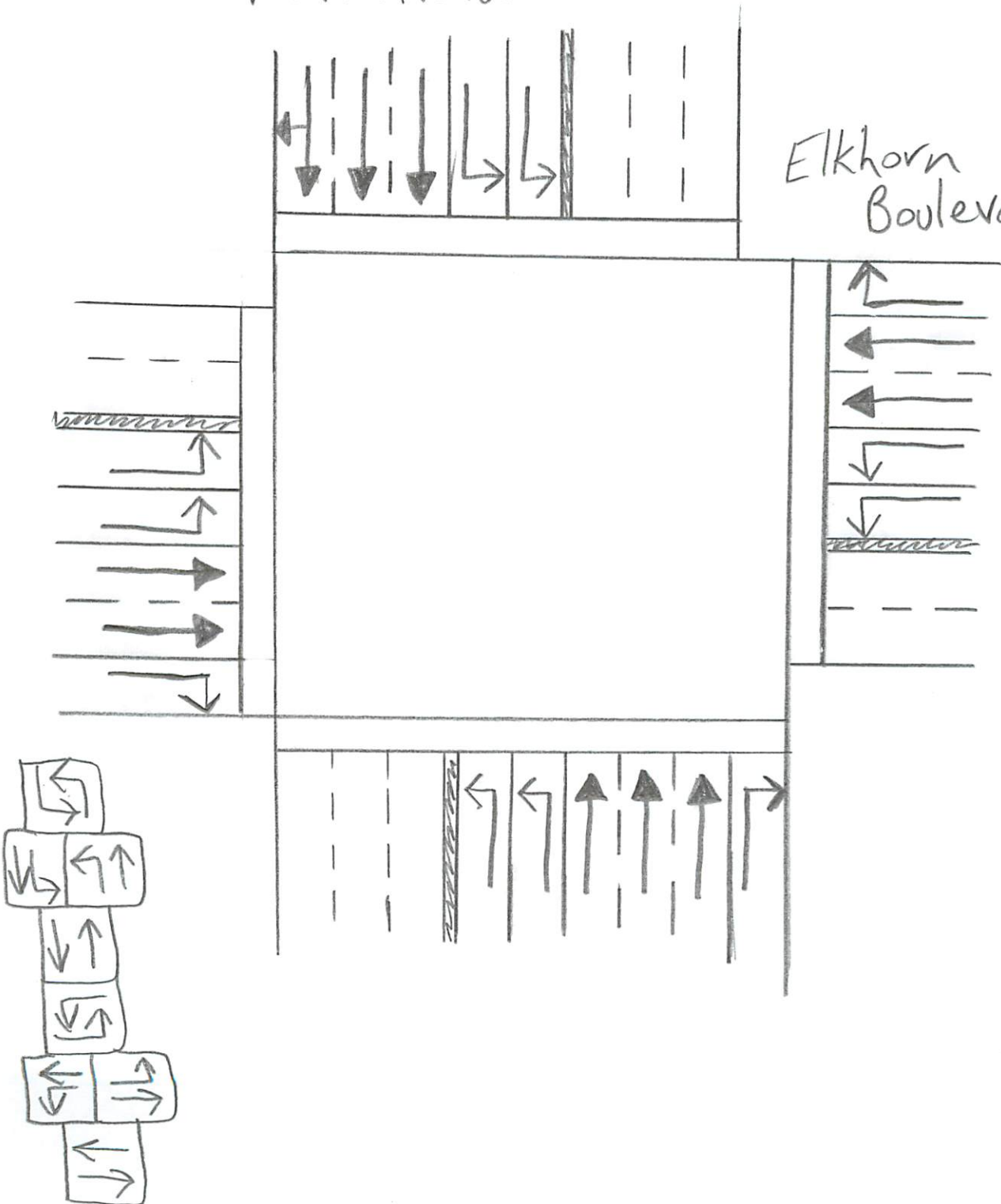


13-7262-010

N ↑

Watt Avenue

Elkhorn
Boulevard

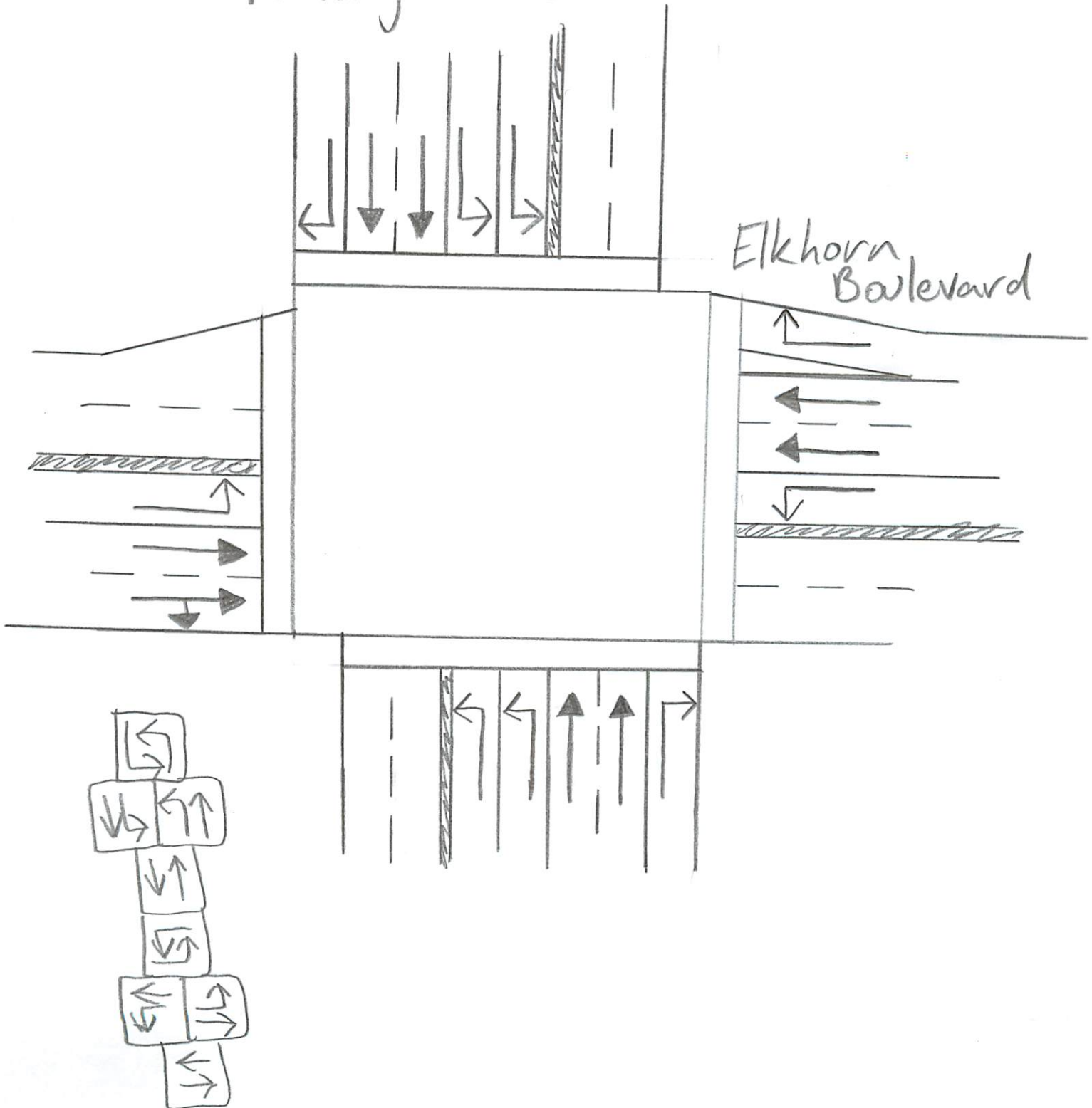


13-7262-011

N ↑

Walerga Road

Elkhorn
Boulevard

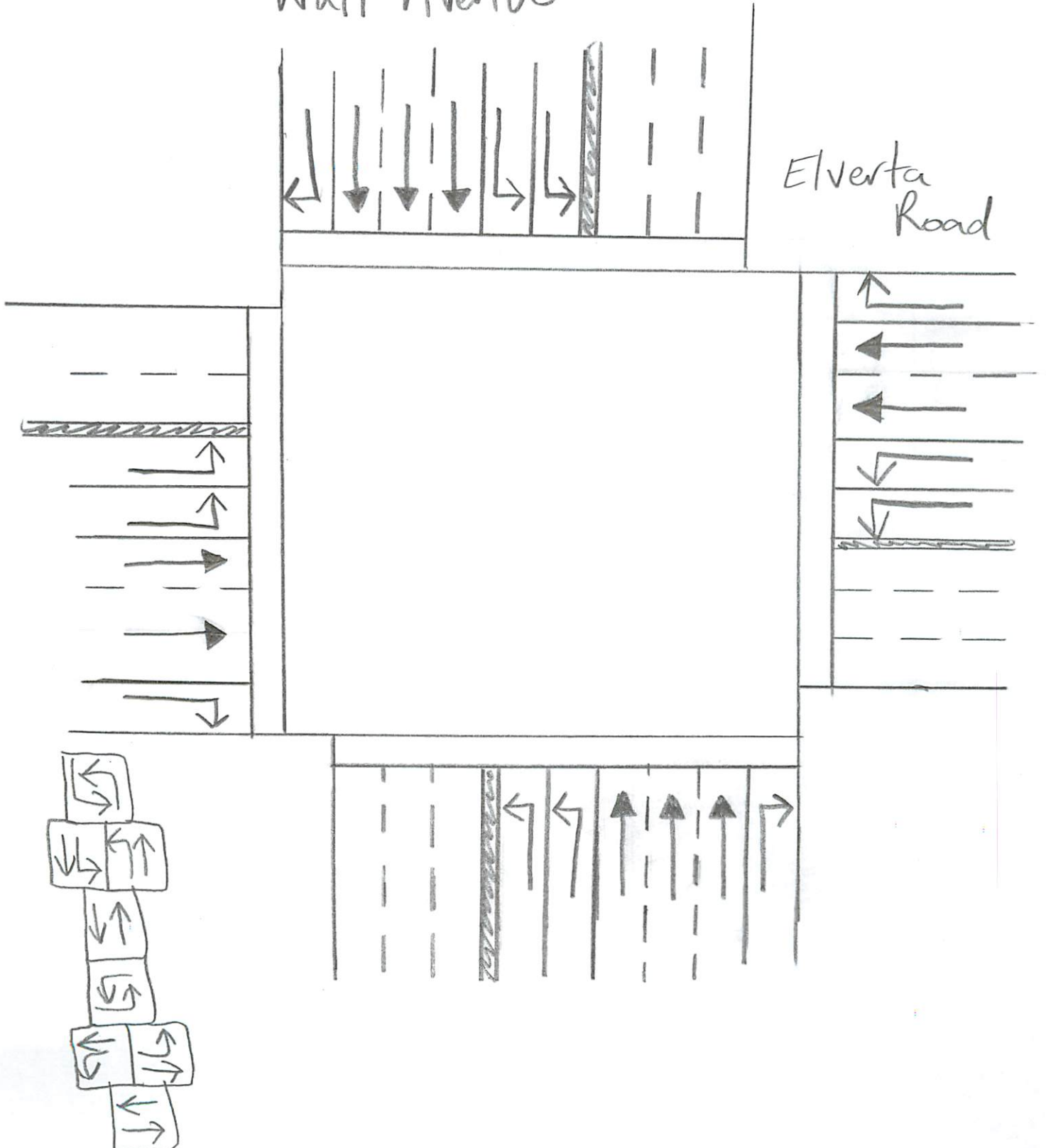


13-7262-012

N ↑

Watt Avenue

Elverta Road

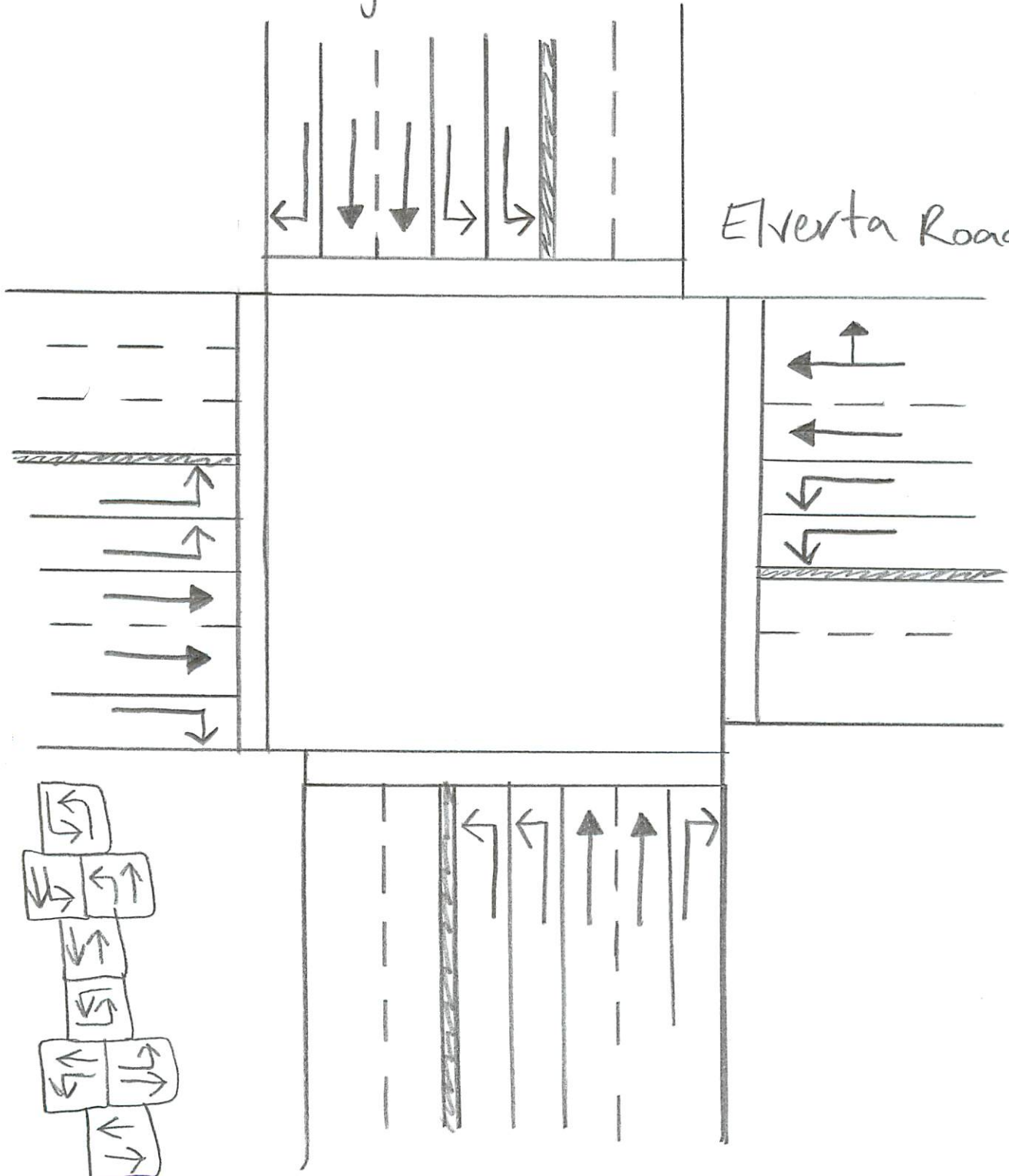


13-7262-013

N ↑

Walerga Road

Elverta Road



ALL TRAFFIC DATA

Placer County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 13-7262-001 Watt Avenue-PFE Road.ppd
Date : 5/1/2013

Unshifted Count = All Vehicles

	Watt Avenue Southbound					PFE Road Westbound					Watt Avenue Northbound					PFE Road Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	2	85	0	0	87	33	0	4	0	37	1	48	41	0	90	0	0	0	0	0	214	0
07:15	0	99	0	0	99	65	1	5	0	71	0	40	59	0	99	0	1	0	0	1	270	0
07:30	3	92	0	0	95	64	0	6	0	70	0	57	124	0	181	0	0	0	0	0	346	0
07:45	4	59	0	0	63	79	0	2	0	81	0	47	66	0	113	0	0	0	0	0	257	0
Total	9	335	0	0	344	241	1	17	0	259	1	192	290	0	483	0	1	0	0	1	1087	0
08:00	3	73	0	0	76	24	0	2	0	26	0	38	20	0	58	0	0	0	0	0	160	0
08:15	3	73	0	0	76	19	0	2	0	21	0	42	26	0	68	0	0	0	0	0	165	0
08:30	1	62	0	0	63	22	0	2	0	24	0	41	16	0	57	0	0	1	0	1	145	0
08:45	2	43	0	0	45	20	0	4	0	24	0	29	19	0	48	0	0	0	0	0	117	0
Total	9	251	0	0	260	85	0	10	0	95	0	150	81	0	231	0	0	1	0	1	587	0
16:00	4	61	1	0	66	31	0	5	0	36	0	56	33	0	89	0	0	1	0	1	192	0
16:15	4	47	0	0	51	26	0	2	0	28	1	61	31	1	94	0	0	0	1	1	174	2
16:30	3	52	0	0	55	24	0	7	0	31	0	73	42	0	115	0	0	1	0	1	202	0
16:45	4	62	0	0	66	34	0	3	0	37	0	51	26	0	77	0	1	1	0	2	182	0
Total	15	222	1	0	238	115	0	17	0	132	1	241	132	1	375	0	1	3	1	5	750	2
17:00	4	47	0	0	51	38	1	4	0	43	0	72	43	0	115	0	0	0	0	0	209	0
17:15	4	70	0	0	74	34	1	0	0	35	1	77	37	1	116	0	0	2	0	2	227	1
17:30	2	65	0	0	67	28	0	3	0	31	2	72	42	0	116	0	0	0	0	0	214	0
17:45	4	48	0	0	52	31	0	1	0	32	0	58	43	0	101	2	0	1	0	3	188	0
Total	14	230	0	0	244	131	2	8	0	141	3	279	165	1	448	2	0	3	0	5	838	1
Grand Total	47	1038	1	0	1086	572	3	52	0	627	5	862	668	2	1537	2	2	7	1	12	3262	3
Apprch %	4.3%	95.6%	0.1%	0.0%		91.2%	0.5%	8.3%	0.0%		0.3%	56.1%	43.5%	0.1%		16.7%	16.7%	58.3%	8.3%			
Total %	1.4%	31.8%	0.0%	0.0%	33.3%	17.5%	0.1%	1.6%	0.0%	19.2%	0.2%	26.4%	20.5%	0.1%	47.1%	0.1%	0.1%	0.2%	0.0%	0.4%	100.0%	

AM PEAK HOUR	Watt Avenue Southbound					PFE Road Westbound					Watt Avenue Northbound					PFE Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:00 to 08:00																					
Peak Hour For Entire Intersection Begins at 07:00																					
07:00	2	85	0	0	87	33	0	4	0	37	1	48	41	0	90	0	0	0	0	0	214
07:15	0	99	0	0	99	65	1	5	0	71	0	40	59	0	99	0	1	0	0	1	270
07:30	3	92	0	0	95	64	0	6	0	70	0	57	124	0	181	0	0	0	0	0	346
07:45	4	59	0	0	63	79	0	2	0	81	0	47	66	0	113	0	0	0	0	0	257
Total Volume	9	335	0	0	344	241	1	17	0	259	1	192	290	0	483	0	1	0	0	1	1087
% App Total	2.6%	97.4%	0.0%	0.0%		93.1%	0.4%	6.6%	0.0%		0.2%	39.8%	60.0%	0.0%		0.0%	100.0%	0.0%	0.0%		
PHF	.563	.846	.000	.000	.869	.763	.250	.708	.708	.799	.250	.842	.585	.585	.667	.000	.250	.000	.000	.250	.785

PM PEAK HOUR	Watt Avenue Southbound					PFE Road Westbound					Watt Avenue Northbound					PFE Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	4	47	0	0	51	38	1	4	0	43	0	72	43	0	115	0	0	0	0	0	209
17:15	4	70	0	0	74	34	1	0	0	35	1	77	37	1	116	0	0	2	0	2	227
17:30	2	65	0	0	67	28	0	3	0	31	2	72	42	0	116	0	0	0	0	0	214
17:45	4	48	0	0	52	31	0	1	0	32	0	58	43	0	101	2	0	1	0	3	188
Total Volume	14	230	0	0	244	131	2	8	0	141	3	279	165	1	448	2	0	3	0	5	838
% App Total	5.7%	94.3%	0.0%	0.0%		92.9%	1.4%	5.7%	0.0%		0.7%	62.3%	36.8%	0.2%		40.0%	0.0%	60.0%	0.0%		
PHF	.875	.821	.000	.000	.824	.862	.500	.500	.500	.820	.375	.906	.959	.959	.966	.250	.000	.375	.375	.417	.923

ALL TRAFFIC DATA

Placer County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 13-7262-002 Walerga Road-PFE Road.ppd
Date : 5/1/2013

Unshifted Count = All Vehicles

	Walerga Road Southbound					PFE Road Westbound					Walerga Road Northbound					PFE Road Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	3	176	13	0	192	21	23	4	0	48	12	126	25	0	163	6	20	9	0	35	438	0
07:15	6	182	22	0	210	22	24	7	0	53	25	135	46	0	206	7	21	10	0	38	507	0
07:30	13	194	23	0	230	23	20	4	0	47	41	175	60	0	276	16	29	54	0	99	652	0
07:45	7	142	12	0	161	38	21	10	0	69	29	164	32	0	225	15	26	48	0	89	544	0
Total	29	694	70	0	793	104	88	25	0	217	107	600	163	0	870	44	96	121	0	261	2141	0
08:00	3	152	2	0	157	13	14	8	0	35	8	112	19	0	139	5	14	6	0	25	356	0
08:15	7	144	9	0	160	15	11	7	0	33	7	129	19	0	155	4	13	11	0	28	376	0
08:30	10	148	5	0	163	24	12	13	0	49	6	133	29	0	168	2	12	3	0	17	397	0
08:45	10	136	5	0	151	34	9	18	0	61	7	116	28	0	151	5	11	7	0	23	386	0
Total	30	580	21	0	631	86	46	46	0	178	28	490	95	0	613	16	50	27	0	93	1515	0
16:00	4	133	7	0	144	20	19	8	0	47	9	152	16	0	177	12	15	12	0	39	407	0
16:15	7	181	5	0	193	33	17	8	0	58	7	158	22	0	187	18	11	10	0	39	477	0
16:30	8	143	9	0	160	22	20	11	0	53	6	160	22	1	189	20	31	5	0	56	458	1
16:45	5	152	3	0	160	22	25	4	0	51	3	149	15	1	168	11	10	9	0	30	409	1
Total	24	609	24	0	657	97	81	31	0	209	25	619	75	2	721	61	67	36	0	164	1751	2
17:00	6	168	11	0	185	33	26	7	0	66	5	189	21	0	215	15	26	5	0	46	512	0
17:15	6	197	7	0	210	43	24	6	0	73	4	168	21	0	193	25	17	7	0	49	525	0
17:30	4	159	10	0	173	44	22	8	0	74	3	183	25	0	211	25	16	4	0	45	503	0
17:45	4	155	6	0	165	34	16	5	0	55	5	183	30	0	218	13	26	7	0	46	484	0
Total	20	679	34	0	733	154	88	26	0	268	17	723	97	0	837	78	85	23	0	186	2024	0
Grand Total	103	2562	149	0	2814	441	303	128	0	872	177	2432	430	2	3041	199	298	207	0	704	7431	2
Apprch %	3.7%	91.0%	5.3%	0.0%		50.6%	34.7%	14.7%	0.0%		5.8%	80.0%	14.1%	0.1%		28.3%	42.3%	29.4%	0.0%			
Total %	1.4%	34.5%	2.0%	0.0%	37.9%	5.9%	4.1%	1.7%	0.0%	11.7%	2.4%	32.7%	5.8%	0.0%	40.9%	2.7%	4.0%	2.8%	0.0%	9.5%	100.0%	

AM PEAK HOUR	Walerga Road Southbound					PFE Road Westbound					Walerga Road Northbound					PFE Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:00 to 08:00																					
Peak Hour For Entire Intersection Begins at 07:00																					
07:00	3	176	13	0	192	21	23	4	0	48	12	126	25	0	163	6	20	9	0	35	438
07:15	6	182	22	0	210	22	24	7	0	53	25	135	46	0	206	7	21	10	0	38	507
07:30	13	194	23	0	230	23	20	4	0	47	41	175	60	0	276	16	29	54	0	99	652
07:45	7	142	12	0	161	38	21	10	0	69	29	164	32	0	225	15	26	48	0	89	544
Total Volume	29	694	70	0	793	104	88	25	0	217	107	600	163	0	870	44	96	121	0	261	2141
% App Total	3.7%	87.5%	8.8%	0.0%		47.9%	40.6%	11.5%	0.0%		12.3%	69.0%	18.7%	0.0%		16.9%	36.8%	46.4%	0.0%		
PHF	.558	.894	.761	.761	.862	.684	.917	.625	.625	.786	.652	.857	.679	.679	.788	.688	.828	.560	.560	.659	.821

PM PEAK HOUR	Walerga Road Southbound					PFE Road Westbound					Walerga Road Northbound					PFE Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	6	168	11	0	185	33	26	7	0	66	5	189	21	0	215	15	26	5	0	46	512
17:15	6	197	7	0	210	43	24	6	0	73	4	168	21	0	193	25	17	7	0	49	525
17:30	4	159	10	0	173	44	22	8	0	74	3	183	25	0	211	25	16	4	0	45	503
17:45	4	155	6	0	165	34	16	5	0	55	5	183	30	0	218	13	26	7	0	46	484
Total Volume	20	679	34	0	733	154	88	26	0	268	17	723	97	0	837	78	85	23	0	186	2024
% App Total	2.7%	92.6%	4.6%	0.0%		57.5%	32.8%	9.7%	0.0%		2.0%	86.4%	11.6%	0.0%		41.9%	45.7%	12.4%	0.0%		
PHF	.833	.862	.773	.773	.873	.875	.846	.813	.813	.905	.850	.956	.808	.808	.960	.780	.817	.821	.821	.949	.964

ALL TRAFFIC DATA

Placer County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-003 Fiddymment Road-Athens Avenue.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

	Fiddymment Road Southbound					Athens Avenue Westbound					Fiddymment Road Northbound					Athens Avenue Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	3	32	0	0	35	44	0	2	0	46	0	27	28	0	55	0	0	0	0	0	136	0
07:15	3	24	0	0	27	37	0	4	0	41	0	12	48	0	60	0	0	0	0	0	128	0
07:30	5	26	0	0	31	34	0	4	0	38	0	19	51	0	70	0	0	0	0	0	139	0
07:45	5	15	0	0	20	37	0	1	0	38	0	13	50	0	63	0	0	0	0	0	121	0
Total	16	97	0	0	113	152	0	11	0	163	0	71	177	0	248	0	0	0	0	0	524	0
08:00	2	23	0	0	25	50	0	5	0	55	0	11	37	1	49	0	0	1	0	1	130	1
08:15	7	16	0	0	23	37	0	3	0	40	0	10	34	0	44	0	0	1	0	1	108	0
08:30	5	7	0	0	12	36	0	4	0	40	0	13	52	0	65	0	0	0	0	0	117	0
08:45	7	8	0	0	15	35	0	6	0	41	0	7	45	0	52	0	0	0	0	0	108	0
Total	21	54	0	0	75	158	0	18	0	176	0	41	168	1	210	0	0	2	0	2	463	1
16:00	6	25	0	0	31	71	0	7	0	78	0	26	44	0	70	0	0	0	0	0	179	0
16:15	5	15	0	0	20	54	0	8	0	62	0	21	61	0	82	0	0	0	0	0	164	0
16:30	10	19	0	0	29	56	0	6	0	62	0	29	74	0	103	0	0	0	0	0	194	0
16:45	5	22	0	0	27	46	0	10	0	56	0	15	61	0	76	0	0	0	0	0	159	0
Total	26	81	0	0	107	227	0	31	0	258	0	91	240	0	331	0	0	0	0	0	696	0
17:00	4	12	0	0	16	59	0	13	0	72	0	22	53	0	75	0	0	0	0	0	163	0
17:15	3	15	0	0	18	61	1	6	0	68	0	26	63	0	89	0	0	0	0	0	175	0
17:30	4	9	0	0	13	54	0	4	0	58	0	40	63	0	103	0	0	0	0	0	174	0
17:45	4	9	0	0	13	45	0	2	0	47	0	39	52	0	91	0	0	0	0	0	151	0
Total	15	45	0	0	60	219	1	25	0	245	0	127	231	0	358	0	0	0	0	0	663	0
Grand Total	78	277	0	0	355	756	1	85	0	842	0	330	816	1	1147	0	0	2	0	2	2346	1
Apprch %	22.0%	78.0%	0.0%	0.0%		89.8%	0.1%	10.1%	0.0%		0.0%	28.8%	71.1%	0.1%		0.0%	0.0%	100.0%	0.0%			
Total %	3.3%	11.8%	0.0%	0.0%	15.1%	32.2%	0.0%	3.6%	0.0%	35.9%	0.0%	14.1%	34.8%	0.0%	48.9%	0.0%	0.0%	0.1%	0.0%	0.1%	100.0%	

AM PEAK HOUR	Fiddymment Road Southbound					Athens Avenue Westbound					Fiddymment Road Northbound					Athens Avenue Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:00 to 08:00																					
Peak Hour For Entire Intersection Begins at 07:00																					
07:00	3	32	0	0	35	44	0	2	0	46	0	27	28	0	55	0	0	0	0	0	136
07:15	3	24	0	0	27	37	0	4	0	41	0	12	48	0	60	0	0	0	0	0	128
07:30	5	26	0	0	31	34	0	4	0	38	0	19	51	0	70	0	0	0	0	0	139
07:45	5	15	0	0	20	37	0	1	0	38	0	13	50	0	63	0	0	0	0	0	121
Total Volume	16	97	0	0	113	152	0	11	0	163	0	71	177	0	248	0	0	0	0	0	524
% App Total	14.2%	85.8%	0.0%	0.0%		93.3%	0.0%	6.7%	0.0%		0.0%	28.6%	71.4%	0.0%		0.0%	0.0%	0.0%	0.0%		
PHF	.800	.758	.000	.000	.807	.864	.000	.688	.688	.886	.000	.657	.868	.868	.886	.000	.000	.000	.000	.000	.942

PM PEAK HOUR	Fiddymment Road Southbound					Athens Avenue Westbound					Fiddymment Road Northbound					Athens Avenue Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	4	12	0	0	16	59	0	13	0	72	0	22	53	0	75	0	0	0	0	0	163
17:15	3	15	0	0	18	61	1	6	0	68	0	26	63	0	89	0	0	0	0	0	175
17:30	4	9	0	0	13	54	0	4	0	58	0	40	63	0	103	0	0	0	0	0	174
17:45	4	9	0	0	13	45	0	2	0	47	0	39	52	0	91	0	0	0	0	0	151
Total Volume	15	45	0	0	60	219	1	25	0	245	0	127	231	0	358	0	0	0	0	0	663
% App Total	25.0%	75.0%	0.0%	0.0%		89.4%	0.4%	10.2%	0.0%		0.0%	35.5%	64.5%	0.0%		0.0%	0.0%	0.0%	0.0%		
PHF	.938	.750	.000	.000	.833	.898	.250	.481	.481	.851	.000	.794	.917	.917	.869	.000	.000	.000	.000	.000	.947

ALL TRAFFIC DATA

Placer County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-004 Industrial Avenue-Athens Avenue.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

	Industrial Avenue Southbound					Athens Avenue Westbound					Industrial Avenue Northbound					Athens Avenue Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	0	26	47	0	73	0	0	0	0	0	28	7	0	0	35	16	0	34	0	50	158	0
07:15	0	36	40	0	76	0	0	0	0	0	29	5	0	0	34	21	0	22	0	43	153	0
07:30	0	42	59	0	101	0	0	0	0	0	39	8	0	0	47	30	0	24	0	54	202	0
07:45	0	54	49	0	103	0	0	0	0	0	44	8	0	0	52	29	0	20	0	49	204	0
Total	0	158	195	0	353	0	0	0	0	0	140	28	0	0	168	96	0	100	0	196	717	0
08:00	0	36	49	0	85	0	0	0	0	0	34	4	0	0	38	30	0	30	0	60	183	0
08:15	0	41	53	0	94	0	0	0	0	0	46	6	0	0	52	34	0	29	0	63	209	0
08:30	0	25	73	0	98	0	0	0	0	0	44	11	0	0	55	25	0	29	0	54	207	0
08:45	0	28	51	0	79	0	0	0	0	0	66	10	0	0	76	37	0	28	0	65	220	0
Total	0	130	226	0	356	0	0	0	0	0	190	31	0	0	221	126	0	116	0	242	819	0
16:00	0	13	60	0	73	0	0	0	0	0	63	22	0	0	85	70	0	75	0	145	303	0
16:15	0	29	63	0	92	0	0	0	0	0	69	28	0	0	97	60	0	61	0	121	310	0
16:30	0	21	62	0	83	0	0	0	0	0	66	34	0	0	100	66	0	64	0	130	313	0
16:45	0	34	63	0	97	0	0	0	0	0	69	22	0	0	91	55	0	45	0	100	288	0
Total	0	97	248	0	345	0	0	0	0	0	267	106	0	0	373	251	0	245	0	496	1214	0
17:00	0	35	77	0	112	0	0	0	0	0	65	35	0	0	100	50	0	67	0	117	329	0
17:15	0	25	50	0	75	0	0	0	0	0	49	29	0	0	78	65	0	86	0	151	304	0
17:30	0	24	62	0	86	0	0	0	0	0	82	23	0	0	105	66	0	83	0	149	340	0
17:45	0	25	37	0	62	0	0	0	0	0	50	14	0	0	64	69	0	82	0	151	277	0
Total	0	109	226	0	335	0	0	0	0	0	246	101	0	0	347	250	0	318	0	568	1250	0
Grand Total	0	494	895	0	1389	0	0	0	0	0	843	266	0	0	1109	723	0	779	0	1502	4000	0
Apprch %	0.0%	35.6%	64.4%	0.0%		0.0%	0.0%	0.0%	0.0%		76.0%	24.0%	0.0%	0.0%		48.1%	0.0%	51.9%	0.0%			
Total %	0.0%	12.4%	22.4%	0.0%	34.7%	0.0%	0.0%	0.0%	0.0%	0.0%	21.1%	6.7%	0.0%	0.0%	27.7%	18.1%	0.0%	19.5%	0.0%	37.6%	100.0%	

AM PEAK HOUR	Industrial Avenue Southbound					Athens Avenue Westbound					Industrial Avenue Northbound					Athens Avenue Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 08:00 to 09:00																					
Peak Hour For Entire Intersection Begins at 08:00																					
08:00	0	36	49	0	85	0	0	0	0	0	34	4	0	0	38	30	0	30	0	60	183
08:15	0	41	53	0	94	0	0	0	0	0	46	6	0	0	52	34	0	29	0	63	209
08:30	0	25	73	0	98	0	0	0	0	0	44	11	0	0	55	25	0	29	0	54	207
08:45	0	28	51	0	79	0	0	0	0	0	66	10	0	0	76	37	0	28	0	65	220
Total Volume	0	130	226	0	356	0	0	0	0	0	190	31	0	0	221	126	0	116	0	242	819
% App Total	0.0%	36.5%	63.5%	0.0%		0.0%	0.0%	0.0%	0.0%		86.0%	14.0%	0.0%	0.0%		52.1%	0.0%	47.9%	0.0%		
PHF	.000	.793	.774	.774	.908	.000	.000	.000	.000	.000	.720	.705	.000	.000	.727	.851	.000	.967	.967	.931	.931

PM PEAK HOUR	Industrial Avenue Southbound					Athens Avenue Westbound					Industrial Avenue Northbound					Athens Avenue Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	0	35	77	0	112	0	0	0	0	0	65	35	0	0	100	50	0	67	0	117	329
17:15	0	25	50	0	75	0	0	0	0	0	49	29	0	0	78	65	0	86	0	151	304
17:30	0	24	62	0	86	0	0	0	0	0	82	23	0	0	105	66	0	83	0	149	340
17:45	0	25	37	0	62	0	0	0	0	0	50	14	0	0	64	69	0	82	0	151	277
Total Volume	0	109	226	0	335	0	0	0	0	0	246	101	0	0	347	250	0	318	0	568	1250
% App Total	0.0%	32.5%	67.5%	0.0%		0.0%	0.0%	0.0%	0.0%		70.9%	29.1%	0.0%	0.0%		44.0%	0.0%	56.0%	0.0%		
PHF	.000	.779	.734	.734	.748	.000	.000	.000	.000	.000	.750	.721	.000	.000	.826	.906	.000	.924	.924	.940	.919

ALL TRAFFIC DATA

Sutter County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-005 Pleasant Grove Road N-Riego Road.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

	Pleasant Grove Road N Southbound					Riego Road Westbound					Pleasant Grove Road N Northbound					Riego Road Eastbound					Total	Utturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	12	0	2	0	14	0	155	6	0	161	0	0	0	0	0	1	28	0	0	29	204	0
07:15	8	0	3	0	11	0	196	10	0	206	0	0	0	0	0	3	35	0	0	38	255	0
07:30	12	0	4	0	16	0	197	22	0	219	0	0	0	0	0	2	37	0	0	39	274	0
07:45	11	0	3	0	14	0	172	17	0	189	0	0	0	0	0	3	38	0	0	41	244	0
Total	43	0	12	0	55	0	720	55	0	775	0	0	0	0	0	9	138	0	0	147	977	0
08:00	8	0	1	0	9	0	170	11	0	181	0	0	0	0	0	1	35	0	0	36	226	0
08:15	12	0	0	0	12	0	136	10	0	146	0	0	0	0	0	2	22	0	0	24	182	0
08:30	6	0	2	0	8	0	133	7	0	140	0	0	0	0	0	0	31	0	0	31	179	0
08:45	6	0	6	0	12	0	87	10	0	97	0	0	0	0	0	0	28	0	0	28	137	0
Total	32	0	9	0	41	0	526	38	0	564	0	0	0	0	0	3	116	0	0	119	724	0
16:00	7	0	6	0	13	0	42	13	0	55	0	0	0	0	0	4	140	0	0	144	212	0
16:15	13	0	3	0	16	0	49	9	0	58	0	0	0	0	0	2	148	0	0	150	224	0
16:30	11	0	1	0	12	0	56	8	0	64	0	0	0	0	0	5	160	0	0	165	241	0
16:45	6	0	0	0	6	0	53	9	0	62	0	0	0	0	0	3	141	0	0	144	212	0
Total	37	0	10	0	47	0	200	39	0	239	0	0	0	0	0	14	589	0	0	603	889	0
17:00	14	0	2	0	16	0	43	19	0	62	0	0	0	0	0	1	162	0	0	163	241	0
17:15	14	0	3	0	17	0	56	12	0	68	0	0	0	0	0	2	184	0	0	186	271	0
17:30	15	0	1	0	16	0	45	13	0	58	0	0	0	0	0	3	176	0	0	179	253	0
17:45	7	0	2	0	9	0	50	7	0	57	0	0	0	0	0	2	176	0	0	178	244	0
Total	50	0	8	0	58	0	194	51	0	245	0	0	0	0	0	8	698	0	0	706	1009	0
Grand Total	162	0	39	0	201	0	1640	183	0	1823	0	0	0	0	0	34	1541	0	0	1575	3599	0
Apprch %	80.6%	0.0%	19.4%	0.0%		0.0%	90.0%	10.0%	0.0%		0.0%	0.0%	0.0%	0.0%		2.2%	97.8%	0.0%	0.0%			
Total %	4.5%	0.0%	1.1%	0.0%	5.6%	0.0%	45.6%	5.1%	0.0%	50.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	42.8%	0.0%	0.0%	43.8%	100.0%	

AM PEAK HOUR	Pleasant Grove Road N Southbound					Riego Road Westbound					Pleasant Grove Road N Northbound					Riego Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:15 to 08:15																					
Peak Hour For Entire Intersection Begins at 07:15																					
07:15	8	0	3	0	11	0	196	10	0	206	0	0	0	0	0	3	35	0	0	38	255
07:30	12	0	4	0	16	0	197	22	0	219	0	0	0	0	0	2	37	0	0	39	274
07:45	11	0	3	0	14	0	172	17	0	189	0	0	0	0	0	3	38	0	0	41	244
08:00	8	0	1	0	9	0	170	11	0	181	0	0	0	0	0	1	35	0	0	36	226
Total Volume	39	0	11	0	50	0	735	60	0	795	0	0	0	0	0	9	145	0	0	154	999
% App Total	78.0%	0.0%	22.0%	0.0%		0.0%	92.5%	7.5%	0.0%		0.0%	0.0%	0.0%	0.0%		5.8%	94.2%	0.0%	0.0%		
PHF	.813	.000	.688	.688	.781	.000	.933	.682	.682	.908	.000	.000	.000	.000	.000	.750	.954	.000	.000	.939	.911

PM PEAK HOUR	Pleasant Grove Road N Southbound					Riego Road Westbound					Pleasant Grove Road N Northbound					Riego Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	14	0	2	0	16	0	43	19	0	62	0	0	0	0	0	1	162	0	0	163	241
17:15	14	0	3	0	17	0	56	12	0	68	0	0	0	0	0	2	184	0	0	186	271
17:30	15	0	1	0	16	0	45	13	0	58	0	0	0	0	0	3	176	0	0	179	253
17:45	7	0	2	0	9	0	50	7	0	57	0	0	0	0	0	2	176	0	0	178	244
Total Volume	50	0	8	0	58	0	194	51	0	245	0	0	0	0	0	8	698	0	0	706	1009
% App Total	86.2%	0.0%	13.8%	0.0%		0.0%	79.2%	20.8%	0.0%		0.0%	0.0%	0.0%	0.0%		1.1%	98.9%	0.0%	0.0%		
PHF	.833	.000	.667	.667	.853	.000	.866	.671	.671	.901	.000	.000	.000	.000	.000	.667	.948	.000	.000	.949	.931

ALL TRAFFIC DATA

Sutter County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-006 Pleasant Grove Road S-Riego Road.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

	Pleasant Grove Road S Southbound					Riego Road Westbound					Pleasant Grove Road S Northbound					Riego Road Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	0	0	0	0	0	10	165	0	0	175	8	0	4	0	12	0	31	10	0	41	228	0
07:15	0	0	0	0	0	12	188	0	0	200	15	0	12	0	27	0	33	7	0	40	267	0
07:30	0	0	0	0	0	15	197	0	0	212	23	0	6	0	29	0	44	5	0	49	290	0
07:45	0	0	0	0	0	12	173	0	0	185	17	0	3	0	20	0	39	10	0	49	254	0
Total	0	0	0	0	0	49	723	0	0	772	63	0	25	0	88	0	147	32	0	179	1039	0
08:00	0	0	0	0	0	4	171	0	0	175	10	0	6	0	16	0	28	14	0	42	233	0
08:15	0	0	0	0	0	3	140	0	0	143	10	0	3	0	13	0	23	11	0	34	190	0
08:30	0	0	0	0	0	12	134	0	0	146	5	0	2	0	7	0	32	6	0	38	191	0
08:45	0	0	0	0	0	2	81	0	0	83	8	0	1	0	9	0	23	5	0	28	120	0
Total	0	0	0	0	0	21	526	0	0	547	33	0	12	0	45	0	106	36	0	142	734	0
16:00	0	0	0	0	0	11	41	0	0	52	15	0	10	0	25	0	130	15	0	145	222	0
16:15	0	0	0	0	0	3	46	0	0	49	10	0	15	0	25	0	134	15	0	149	223	0
16:30	0	0	0	0	0	5	55	0	0	60	10	0	13	0	23	0	161	13	0	174	257	0
16:45	0	0	0	0	0	8	58	0	0	66	10	0	7	0	17	0	133	12	0	145	228	0
Total	0	0	0	0	0	27	200	0	0	227	45	0	45	0	90	0	558	55	0	613	930	0
17:00	0	0	0	0	0	7	45	0	0	52	15	0	20	0	35	0	168	15	0	183	270	0
17:15	0	0	0	0	0	7	56	0	0	63	10	0	16	0	26	0	178	14	0	192	281	0
17:30	0	0	0	0	0	5	50	0	0	55	9	0	15	0	24	0	179	15	0	194	273	0
17:45	0	0	0	0	0	9	51	0	0	60	8	0	15	0	23	0	166	6	0	172	255	0
Total	0	0	0	0	0	28	202	0	0	230	42	0	66	0	108	0	691	50	0	741	1079	0
Grand Total	0	0	0	0	0	125	1651	0	0	1776	183	0	148	0	331	0	1502	173	0	1675	3782	0
Apprch %	0.0%	0.0%	0.0%	0.0%		7.0%	93.0%	0.0%	0.0%		55.3%	0.0%	44.7%	0.0%		0.0%	89.7%	10.3%	0.0%			
Total %	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	43.7%	0.0%	0.0%	47.0%	4.8%	0.0%	3.9%	0.0%	8.8%	0.0%	39.7%	4.6%	0.0%	44.3%	100.0%	

AM PEAK HOUR	Pleasant Grove Road S Southbound					Riego Road Westbound					Pleasant Grove Road S Northbound					Riego Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:15 to 08:15																					
Peak Hour For Entire Intersection Begins at 07:15																					
07:15	0	0	0	0	0	12	188	0	0	200	15	0	12	0	27	0	33	7	0	40	267
07:30	0	0	0	0	0	15	197	0	0	212	23	0	6	0	29	0	44	5	0	49	290
07:45	0	0	0	0	0	12	173	0	0	185	17	0	3	0	20	0	39	10	0	49	254
08:00	0	0	0	0	0	4	171	0	0	175	10	0	6	0	16	0	28	14	0	42	233
Total Volume	0	0	0	0	0	43	729	0	0	772	65	0	27	0	92	0	144	36	0	180	1044
% App Total	0.0%	0.0%	0.0%	0.0%		5.6%	94.4%	0.0%	0.0%		70.7%	0.0%	29.3%	0.0%		0.0%	80.0%	20.0%	0.0%		
PHF	.000	.000	.000	.000	.000	.717	.925	.000	.000	.910	.707	.000	.563	.563	.793	.000	.818	.643	.643	.918	.900

PM PEAK HOUR	Pleasant Grove Road S Southbound					Riego Road Westbound					Pleasant Grove Road S Northbound					Riego Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	0	0	0	0	0	7	45	0	0	52	15	0	20	0	35	0	168	15	0	183	270
17:15	0	0	0	0	0	7	56	0	0	63	10	0	16	0	26	0	178	14	0	192	281
17:30	0	0	0	0	0	5	50	0	0	55	9	0	15	0	24	0	179	15	0	194	273
17:45	0	0	0	0	0	9	51	0	0	60	8	0	15	0	23	0	166	6	0	172	255
Total Volume	0	0	0	0	0	28	202	0	0	230	42	0	66	0	108	0	691	50	0	741	1079
% App Total	0.0%	0.0%	0.0%	0.0%		12.2%	87.8%	0.0%	0.0%		38.9%	0.0%	61.1%	0.0%		0.0%	93.3%	6.7%	0.0%		
PHF	.000	.000	.000	.000	.000	.778	.902	.000	.000	.913	.700	.000	.825	.825	.771	.000	.965	.833	.833	.955	.960

ALL TRAFFIC DATA

Sutter County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-007 SR 99-Riego Road.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

START TIME	SR 99 Southbound					Riego Road Westbound					SR 99 Northbound					Riego Road Eastbound					Total	Uturn Total
	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	9	395	4	0	408	150	1	5	0	156	4	158	27	0	189	1	1	2	0	4	757	0
07:15	13	438	9	0	460	162	5	8	0	175	2	197	41	1	241	0	1	2	0	3	879	1
07:30	10	458	3	0	471	177	8	3	0	188	3	191	35	0	229	2	1	2	0	5	893	0
07:45	11	318	5	0	334	187	5	4	0	196	6	165	40	1	212	4	7	2	0	13	755	1
Total	43	1609	21	0	1673	676	19	20	0	715	15	711	143	2	871	7	10	8	0	25	3284	2
08:00	6	304	4	0	314	164	6	4	0	174	0	134	23	1	158	0	5	3	0	8	654	1
08:15	6	357	2	0	365	110	3	6	0	119	1	162	21	0	184	2	3	2	0	7	675	0
08:30	5	315	2	0	322	125	5	9	0	139	3	153	23	1	180	1	6	3	0	10	651	1
08:45	6	294	0	0	300	91	6	5	0	102	2	136	30	0	168	2	4	0	0	6	576	0
Total	23	1270	8	0	1301	490	20	24	0	534	6	585	97	2	690	5	18	8	0	31	2556	2
16:00	7	253	2	0	262	57	6	12	0	75	4	384	136	0	524	7	5	1	0	13	874	0
16:15	7	203	3	0	213	37	0	13	0	50	6	388	151	0	545	3	9	4	0	16	824	0
16:30	7	238	1	0	246	54	5	11	0	70	7	432	132	1	572	1	5	4	0	10	898	1
16:45	9	207	1	0	217	46	3	8	0	57	7	387	153	0	547	3	9	6	0	18	839	0
Total	30	901	7	0	938	194	14	44	0	252	24	1591	572	1	2188	14	28	15	0	57	3435	1
17:00	9	207	1	0	217	45	1	17	0	63	9	388	156	1	554	8	2	9	0	19	853	1
17:15	13	244	2	0	259	57	1	14	0	72	5	397	167	0	569	1	6	2	0	9	909	0
17:30	11	244	2	0	257	53	0	10	0	63	12	390	179	0	581	1	8	5	0	14	915	0
17:45	11	188	0	0	199	47	2	12	0	61	1	380	130	0	511	4	7	3	0	14	785	0
Total	44	883	5	0	932	202	4	53	0	259	27	1555	632	1	2215	14	23	19	0	56	3462	1
Grand Total	140	4663	41	0	4844	1562	57	141	0	1760	72	4442	1444	6	5964	40	79	50	0	169	12737	6
Apprch %	2.9%	96.3%	0.8%	0.0%		88.8%	3.2%	8.0%	0.0%		1.2%	74.5%	24.2%	0.1%		23.7%	46.7%	29.6%	0.0%			
Total %	1.1%	36.6%	0.3%	0.0%	38.0%	12.3%	0.4%	1.1%	0.0%	13.8%	0.6%	34.9%	11.3%	0.0%	46.8%	0.3%	0.6%	0.4%	0.0%	1.3%	100.0%	

AM PEAK HOUR	SR 99 Southbound					Riego Road Westbound					SR 99 Northbound					Riego Road Eastbound					
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	Total
Peak Hour Analysis From 07:00 to 08:00																					
Peak Hour For Entire Intersection Begins at 07:00																					
07:00	9	395	4	0	408	150	1	5	0	156	4	158	27	0	189	1	1	2	0	4	757
07:15	13	438	9	0	460	162	5	8	0	175	2	197	41	1	241	0	1	2	0	3	879
07:30	10	458	3	0	471	177	8	3	0	188	3	191	35	0	229	2	1	2	0	5	893
07:45	11	318	5	0	334	187	5	4	0	196	6	165	40	1	212	4	7	2	0	13	755
Total Volume	43	1609	21	0	1673	676	19	20	0	715	15	711	143	2	871	7	10	8	0	25	3284
% App Total	2.6%	96.2%	1.3%	0.0%		94.5%	2.7%	2.8%	0.0%		1.7%	81.6%	16.4%	0.2%		28.0%	40.0%	32.0%	0.0%		
PHF	.827	.878	.583	.583	.888	.904	.594	.625	.625	.912	.625	.902	.872	.872	.904	.438	.357	1.000	1.000	.481	.919

PM PEAK HOUR	SR 99 Southbound					Riego Road Westbound					SR 99 Northbound					Riego Road Eastbound					Total
	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 16:45 to 17:45																					
Peak Hour For Entire Intersection Begins at 16:45																					
16:45	9	207	1	0	217	46	3	8	0	57	7	387	153	0	547	3	9	6	0	18	839
17:00	9	207	1	0	217	45	1	17	0	63	9	388	156	1	554	8	2	9	0	19	853
17:15	13	244	2	0	259	57	1	14	0	72	5	397	167	0	569	1	6	2	0	9	909
17:30	11	244	2	0	257	53	0	10	0	63	12	390	179	0	581	1	8	5	0	14	915
Total Volume	42	902	6	0	950	201	5	49	0	255	33	1562	655	1	2251	13	25	22	0	60	3516
% App Total	4.4%	94.9%	0.6%	0.0%		78.8%	2.0%	19.2%	0.0%		1.5%	69.4%	29.1%	0.0%		21.7%	41.7%	36.7%	0.0%		
PHF	.808	.924	.750	.750	.917	.882	.417	.721	.721	.885	.688	.984	.915	.915	.969	.406	.694	.611	.611	.789	.961

ALL TRAFFIC DATA

Sacramento County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-008 Watt Avenue-Antelope Road.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

	Watt Avenue Southbound					Antelope Road Westbound					Watt Avenue Northbound					Antelope Road Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	36	215	11	1	263	84	46	35	3	168	5	55	23	4	87	10	28	9	1	48	566	9
07:15	44	283	18	0	345	93	59	49	2	203	6	83	23	6	118	8	56	20	0	84	750	8
07:30	54	284	20	2	360	102	61	49	2	214	9	73	17	5	104	8	46	12	0	66	744	9
07:45	33	226	13	1	273	108	73	33	2	216	5	85	33	4	127	2	30	8	0	40	656	7
Total	167	1008	62	4	1241	387	239	166	9	801	25	296	96	19	436	28	160	49	1	238	2716	33
08:00	57	207	12	0	276	104	58	33	1	196	6	74	32	2	114	7	51	8	0	66	652	3
08:15	39	175	17	0	231	89	60	44	1	194	10	82	28	8	128	7	36	21	2	66	619	11
08:30	43	173	20	1	237	79	54	37	1	171	4	72	46	4	126	11	48	10	0	69	603	6
08:45	29	162	12	0	203	67	56	32	2	157	7	71	46	1	125	9	31	12	0	52	537	3
Total	168	717	61	1	947	339	228	146	5	718	27	299	152	15	493	34	166	51	2	253	2411	23
16:00	41	130	14	0	185	51	41	50	2	144	24	211	82	6	323	30	75	10	0	115	767	8
16:15	38	149	4	0	191	74	70	63	1	208	21	196	86	8	311	37	65	13	0	115	825	9
16:30	50	127	13	0	190	54	52	60	3	169	14	207	92	12	325	34	91	17	0	142	826	15
16:45	34	131	8	2	175	66	51	53	1	171	12	199	90	6	307	30	67	20	0	117	770	9
Total	163	537	39	2	741	245	214	226	7	692	71	813	350	32	1266	131	298	60	0	489	3188	41
17:00	43	120	14	1	178	68	73	44	2	187	9	195	92	6	302	35	89	12	1	137	804	10
17:15	50	131	19	1	201	44	50	41	2	137	16	282	103	7	408	28	60	6	0	94	840	10
17:30	42	142	5	1	190	72	53	67	4	196	20	206	103	6	335	26	87	14	0	127	848	11
17:45	55	149	11	0	215	53	40	48	2	143	13	217	88	3	321	23	66	9	0	98	777	5
Total	190	542	49	3	784	237	216	200	10	663	58	900	386	22	1366	112	302	41	1	456	3269	36
Grand Total	688	2804	211	10	3713	1208	897	738	31	2874	181	2308	984	88	3561	305	926	201	4	1436	11584	133
Apprch %	18.5%	75.5%	5.7%	0.3%		42.0%	31.2%	25.7%	1.1%		5.1%	64.8%	27.6%	2.5%		21.2%	64.5%	14.0%	0.3%			
Total %	5.9%	24.2%	1.8%	0.1%	32.1%	10.4%	7.7%	6.4%	0.3%	24.8%	1.6%	19.9%	8.5%	0.8%	30.7%	2.6%	8.0%	1.7%	0.0%	12.4%	100.0%	

AM PEAK HOUR	Watt Avenue Southbound					Antelope Road Westbound					Watt Avenue Northbound					Antelope Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:15 to 08:15																					
Peak Hour For Entire Intersection Begins at 07:15																					
07:15	44	283	18	0	345	93	59	49	2	203	6	83	23	6	118	8	56	20	0	84	750
07:30	54	284	20	2	360	102	61	49	2	214	9	73	17	5	104	8	46	12	0	66	744
07:45	33	226	13	1	273	108	73	33	2	216	5	85	33	4	127	2	30	8	0	40	656
08:00	57	207	12	0	276	104	58	33	1	196	6	74	32	2	114	7	51	8	0	66	652
Total Volume	188	1000	63	3	1254	407	251	164	7	829	26	315	105	17	463	25	183	48	0	256	2802
% App Total	15.0%	79.7%	5.0%	0.2%		49.1%	30.3%	19.8%	0.8%		5.6%	68.0%	22.7%	3.7%		9.8%	71.5%	18.8%	0.0%		
PHF	.825	.880	.788	.788	.871	.942	.860	.837	.837	.959	.722	.926	.795	.795	.911	.781	.817	.600	.600	.762	.934

PM PEAK HOUR	Watt Avenue Southbound					Antelope Road Westbound					Watt Avenue Northbound					Antelope Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 16:45 to 17:45																					
Peak Hour For Entire Intersection Begins at 16:45																					
16:45	34	131	8	2	175	66	51	53	1	171	12	199	90	6	307	30	67	20	0	117	770
17:00	43	120	14	1	178	68	73	44	2	187	9	195	92	6	302	35	89	12	1	137	804
17:15	50	131	19	1	201	44	50	41	2	137	16	282	103	7	408	28	60	6	0	94	840
17:30	42	142	5	1	190	72	53	67	4	196	20	206	103	6	335	26	87	14	0	127	848
Total Volume	169	524	46	5	744	250	227	205	9	691	57	882	388	25	1352	119	303	52	1	475	3262
% App Total	22.7%	70.4%	6.2%	0.7%		36.2%	32.9%	29.7%	1.3%		4.2%	65.2%	28.7%	1.8%		25.1%	63.8%	10.9%	0.2%		
PHF	.845	.923	.605	.605	.925	.868	.777	.765	.765	.881	.713	.782	.942	.942	.828	.850	.851	.650	.650	.867	.962

ALL TRAFFIC DATA

Sacramento County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 13-7262-009 Walerga Road-Antelope Road.ppd
Date : 5/1/2013

Unshifted Count = All Vehicles

	Walerga Road Southbound					Antelope Road Westbound					Walerga Road Northbound					Antelope Road Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	66	289	48	0	403	30	62	31	0	123	17	102	20	0	139	11	80	36	2	129	794	2
07:15	57	275	56	0	388	35	88	40	0	163	23	120	23	0	166	41	97	57	1	196	913	1
07:30	97	301	71	1	470	24	71	33	0	128	35	153	22	0	210	49	105	38	2	194	1002	3
07:45	74	302	104	0	480	46	100	52	0	198	33	115	24	0	172	28	73	42	2	145	995	2
Total	294	1167	279	1	1741	135	321	156	0	612	108	490	89	0	687	129	355	173	7	664	3704	8
08:00	53	250	58	1	362	31	93	40	0	164	32	100	25	0	157	22	86	51	1	160	843	2
08:15	74	266	72	1	413	41	85	39	0	165	32	153	31	0	216	27	88	49	3	167	961	4
08:30	57	219	51	0	327	20	87	27	0	134	35	123	23	0	181	40	82	48	3	173	815	3
08:45	49	186	53	1	289	25	78	52	0	155	30	138	14	0	182	46	84	41	2	173	799	3
Total	233	921	234	3	1391	117	343	158	0	618	129	514	93	0	736	135	340	189	9	673	3418	12
16:00	75	196	46	1	318	40	95	72	0	207	54	224	32	2	312	67	119	35	5	226	1063	8
16:15	49	204	64	1	318	44	145	47	0	236	70	245	26	0	341	74	94	33	2	203	1098	3
16:30	54	185	48	5	292	35	128	68	2	233	57	257	34	0	348	67	127	44	1	239	1112	8
16:45	68	202	43	2	315	28	98	77	1	204	71	306	27	0	404	80	82	35	1	198	1121	4
Total	246	787	201	9	1243	147	466	264	3	880	252	1032	119	2	1405	288	422	147	9	866	4394	23
17:00	69	199	63	2	333	45	104	68	0	217	56	276	34	0	366	96	120	41	2	259	1175	4
17:15	79	209	53	4	345	36	102	67	0	205	53	326	36	1	416	70	93	51	3	217	1183	8
17:30	78	181	61	3	323	39	124	66	1	230	66	269	36	0	371	86	136	56	6	284	1208	10
17:45	70	223	62	4	359	34	109	63	0	206	52	281	18	0	351	75	102	28	1	206	1122	5
Total	296	812	239	13	1360	154	439	264	1	858	227	1152	124	1	1504	327	451	176	12	966	4688	27
Grand Total	1069	3687	953	26	5735	553	1569	842	4	2968	716	3188	425	3	4332	879	1568	685	37	3169	16204	70
Apprch %	18.6%	64.3%	16.6%	0.5%		18.6%	52.9%	28.4%	0.1%		16.5%	73.6%	9.8%	0.1%		27.7%	49.5%	21.6%	1.2%			
Total %	6.6%	22.8%	5.9%	0.2%	35.4%	3.4%	9.7%	5.2%	0.0%	18.3%	4.4%	19.7%	2.6%	0.0%	26.7%	5.4%	9.7%	4.2%	0.2%	19.6%	100.0%	

AM PEAK HOUR	Walerga Road Southbound					Antelope Road Westbound					Walerga Road Northbound					Antelope Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:30 to 08:30																					
Peak Hour For Entire Intersection Begins at 07:30																					
07:30	97	301	71	1	470	24	71	33	0	128	35	153	22	0	210	49	105	38	2	194	1002
07:45	74	302	104	0	480	46	100	52	0	198	33	115	24	0	172	28	73	42	2	145	995
08:00	53	250	58	1	362	31	93	40	0	164	32	100	25	0	157	22	86	51	1	160	843
08:15	74	266	72	1	413	41	85	39	0	165	32	153	31	0	216	27	88	49	3	167	961
Total Volume	298	1119	305	3	1725	142	349	164	0	655	132	521	102	0	755	126	352	180	8	666	3801
% App Total	17.3%	64.9%	17.7%	0.2%		21.7%	53.3%	25.0%	0.0%		17.5%	69.0%	13.5%	0.0%		18.9%	52.9%	27.0%	1.2%		
PHF	.768	.926	.733	.733	.898	.772	.873	.788	.788	.827	.943	.851	.823	.823	.874	.643	.838	.882	.882	.858	.948

PM PEAK HOUR	Walerga Road Southbound					Antelope Road Westbound					Walerga Road Northbound					Antelope Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	69	199	63	2	333	45	104	68	0	217	56	276	34	0	366	96	120	41	2	259	1175
17:15	79	209	53	4	345	36	102	67	0	205	53	326	36	1	416	70	93	51	3	217	1183
17:30	78	181	61	3	323	39	124	66	1	230	66	269	36	0	371	86	136	56	6	284	1208
17:45	70	223	62	4	359	34	109	63	0	206	52	281	18	0	351	75	102	28	1	206	1122
Total Volume	296	812	239	13	1360	154	439	264	1	858	227	1152	124	1	1504	327	451	176	12	966	4688
% App Total	21.8%	59.7%	17.6%	1.0%		17.9%	51.2%	30.8%	0.1%		15.1%	76.6%	8.2%	0.1%		33.9%	46.7%	18.2%	1.2%		
PHF	.937	.910	.948	.948	.947	.856	.885	.971	.971	.933	.860	.883	.861	.861	.904	.852	.829	.786	.786	.850	.970

ALL TRAFFIC DATA

Sacramento County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-010 Watt Avenue-Elkhorn Boulevard.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

	Watt Avenue Southbound					Elkhorn Boulevard Westbound					Watt Avenue Northbound					Elkhorn Boulevard Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	9	255	54	1	319	48	106	10	0	164	22	66	9	1	98	18	76	35	1	130	711	3
07:15	8	353	49	1	411	66	122	16	0	204	16	80	10	2	108	25	72	38	4	139	862	7
07:30	11	360	69	1	441	75	163	9	0	247	16	70	12	5	103	23	67	32	1	123	914	7
07:45	9	290	55	0	354	76	144	15	0	235	41	110	24	2	177	29	67	52	2	150	916	4
Total	37	1258	227	3	1525	265	535	50	0	850	95	326	55	10	486	95	282	157	8	542	3403	21
08:00	12	245	59	2	318	66	173	14	0	253	34	92	24	3	153	28	101	26	5	160	884	10
08:15	18	275	50	0	343	50	150	12	0	212	30	98	17	6	151	28	99	50	3	180	886	9
08:30	16	199	44	4	263	51	128	19	1	199	48	92	27	2	169	43	94	31	11	179	810	18
08:45	18	190	28	2	238	66	97	17	0	180	50	104	22	7	183	30	89	40	6	165	766	15
Total	64	909	181	8	1162	233	548	62	1	844	162	386	90	18	656	129	383	147	25	684	3346	52
16:00	21	168	33	4	226	76	129	26	2	233	36	261	52	9	358	74	132	49	6	261	1078	21
16:15	29	155	47	7	238	51	129	26	0	206	52	261	41	4	358	88	135	54	9	286	1088	20
16:30	27	166	42	6	241	50	124	32	3	209	43	267	58	5	373	92	162	53	12	319	1142	26
16:45	24	155	39	4	222	37	108	25	0	170	54	253	44	7	358	62	139	38	7	246	996	18
Total	101	644	161	21	927	214	490	109	5	818	185	1042	195	25	1447	316	568	194	34	1112	4304	85
17:00	22	132	27	4	185	75	89	27	2	193	37	284	44	2	367	115	154	50	10	329	1074	18
17:15	39	133	28	7	207	54	106	28	2	190	61	279	44	0	384	94	166	49	17	326	1107	26
17:30	27	185	38	3	253	46	91	19	0	156	33	299	51	5	388	78	134	51	13	276	1073	21
17:45	30	141	42	3	216	57	105	25	0	187	45	250	44	0	339	70	175	45	19	309	1051	22
Total	118	591	135	17	861	232	391	99	4	726	176	1112	183	7	1478	357	629	195	59	1240	4305	87
Grand Total	320	3402	704	49	4475	944	1964	320	10	3238	618	2866	523	60	4067	897	1862	693	126	3578	15358	245
Apprch %	7.2%	76.0%	15.7%	1.1%		29.2%	60.7%	9.9%	0.3%		15.2%	70.5%	12.9%	1.5%		25.1%	52.0%	19.4%	3.5%			
Total %	2.1%	22.2%	4.6%	0.3%	29.1%	6.1%	12.8%	2.1%	0.1%	21.1%	4.0%	18.7%	3.4%	0.4%	26.5%	5.8%	12.1%	4.5%	0.8%	23.3%	100.0%	

AM PEAK HOUR	Watt Avenue Southbound					Elkhorn Boulevard Westbound					Watt Avenue Northbound					Elkhorn Boulevard Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:30 to 08:30																					
Peak Hour For Entire Intersection Begins at 07:30																					
07:30	11	360	69	1	441	75	163	9	0	247	16	70	12	5	103	23	67	32	1	123	914
07:45	9	290	55	0	354	76	144	15	0	235	41	110	24	2	177	29	67	52	2	150	916
08:00	12	245	59	2	318	66	173	14	0	253	34	92	24	3	153	28	101	26	5	160	884
08:15	18	275	50	0	343	50	150	12	0	212	30	98	17	6	151	28	99	50	3	180	886
Total Volume	50	1170	233	3	1456	267	630	50	0	947	121	370	77	16	584	108	334	160	11	613	3600
% App Total	3.4%	80.4%	16.0%	0.2%		28.2%	66.5%	5.3%	0.0%		20.7%	63.4%	13.2%	2.7%		17.6%	54.5%	26.1%	1.8%		
PHF	.694	.813	.844	.844	.825	.878	.910	.833	.833	.936	.738	.841	.802	.802	.825	.931	.827	.769	.769	.851	.983

PM PEAK HOUR	Watt Avenue Southbound					Elkhorn Boulevard Westbound					Watt Avenue Northbound					Elkhorn Boulevard Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	22	132	27	4	185	75	89	27	2	193	37	284	44	2	367	115	154	50	10	329	1074
17:15	39	133	28	7	207	54	106	28	2	190	61	279	44	0	384	94	166	49	17	326	1107
17:30	27	185	38	3	253	46	91	19	0	156	33	299	51	5	388	78	134	51	13	276	1073
17:45	30	141	42	3	216	57	105	25	0	187	45	250	44	0	339	70	175	45	19	309	1051
Total Volume	118	591	135	17	861	232	391	99	4	726	176	1112	183	7	1478	357	629	195	59	1240	4305
% App Total	13.7%	68.6%	15.7%	2.0%		32.0%	53.9%	13.6%	0.6%		11.9%	75.2%	12.4%	0.5%		28.8%	50.7%	15.7%	4.8%		
PHF	.756	.799	.804	.804	.851	.773	.922	.884	.884	.940	.721	.930	.897	.897	.952	.776	.899	.956	.956	.942	.972

ALL TRAFFIC DATA

Sacramento County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 13-7262-011 Walerga Road-Elkhorn Boulevard.ppd

Date : 5/1/2013

Unshifted Count = All Vehicles

	Walerga Road Southbound					Elkhorn Boulevard Westbound					Walerga Road Northbound					Elkhorn Boulevard Eastbound					Total	Utorn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	144	187	30	0	361	7	84	43	4	138	19	47	5	1	72	13	95	20	0	128	699	5
07:15	108	210	49	0	367	12	116	60	2	190	30	74	12	1	117	24	117	37	2	180	854	5
07:30	134	203	57	0	394	21	127	77	3	228	34	71	9	2	116	19	75	22	2	118	856	7
07:45	116	206	55	0	377	12	139	72	4	227	13	82	16	2	113	16	94	20	0	130	847	6
Total	502	806	191	0	1499	52	466	252	13	783	96	274	42	6	418	72	381	99	4	556	3256	23
08:00	131	198	45	1	375	12	143	64	2	221	30	84	15	1	130	14	105	21	1	141	867	5
08:15	125	190	43	2	360	13	149	63	7	232	14	71	13	2	100	29	131	18	2	180	872	13
08:30	121	173	36	0	330	17	114	66	2	199	17	62	8	2	89	23	130	18	2	173	791	6
08:45	95	126	36	0	257	12	124	69	5	210	19	91	9	4	123	24	131	14	1	170	760	10
Total	472	687	160	3	1322	54	530	262	16	862	80	308	45	9	442	90	497	71	6	664	3290	34
16:00	69	97	30	1	197	20	180	137	9	346	23	126	10	2	161	60	134	27	1	222	926	13
16:15	90	119	38	5	252	31	145	131	8	315	46	170	15	3	234	40	156	23	1	220	1021	17
16:30	97	92	30	1	220	22	175	141	21	359	32	151	15	1	199	54	172	21	1	248	1026	24
16:45	98	110	40	1	249	20	127	147	10	304	33	166	22	2	223	52	131	24	4	211	987	17
Total	354	418	138	8	918	93	627	556	48	1324	134	613	62	8	817	206	593	95	7	901	3960	71
17:00	87	103	21	4	215	24	176	157	9	366	26	138	24	2	190	43	143	24	1	211	982	16
17:15	91	126	38	1	256	23	140	134	11	308	22	184	22	1	229	61	168	27	2	258	1051	15
17:30	98	117	38	3	256	32	142	132	20	326	28	176	27	0	231	33	165	20	2	220	1033	25
17:45	93	109	31	3	236	28	149	113	7	297	18	184	15	1	218	55	151	21	2	229	980	13
Total	369	455	128	11	963	107	607	536	47	1297	94	682	88	4	868	192	627	92	7	918	4046	69
Grand Total	1697	2366	617	22	4702	306	2230	1606	124	4266	404	1877	237	27	2545	560	2098	357	24	3039	14552	197
Apprch %	36.1%	50.3%	13.1%	0.5%		7.2%	52.3%	37.6%	2.9%		15.9%	73.8%	9.3%	1.1%		18.4%	69.0%	11.7%	0.8%			
Total %	11.7%	16.3%	4.2%	0.2%	32.3%	2.1%	15.3%	11.0%	0.9%	29.3%	2.8%	12.9%	1.6%	0.2%	17.5%	3.8%	14.4%	2.5%	0.2%	20.9%	100.0%	

AM PEAK HOUR	Walerga Road Southbound					Elkhorn Boulevard Westbound					Walerga Road Northbound					Elkhorn Boulevard Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:30 to 08:30																					
Peak Hour For Entire Intersection Begins at 07:30																					
07:30	134	203	57	0	394	21	127	77	3	228	34	71	9	2	116	19	75	22	2	118	856
07:45	116	206	55	0	377	12	139	72	4	227	13	82	16	2	113	16	94	20	0	130	847
08:00	131	198	45	1	375	12	143	64	2	221	30	84	15	1	130	14	105	21	1	141	867
08:15	125	190	43	2	360	13	149	63	7	232	14	71	13	2	100	29	131	18	2	180	872
Total Volume	506	797	200	3	1506	58	558	276	16	908	91	308	53	7	459	78	405	81	5	569	3442
% App Total	33.6%	52.9%	13.3%	0.2%		6.4%	61.5%	30.4%	1.8%		19.8%	67.1%	11.5%	1.5%		13.7%	71.2%	14.2%	0.9%		
PHF	.944	.967	.877	.877	.956	.690	.936	.896	.896	.978	.669	.917	.828	.828	.883	.672	.773	.920	.920	.790	.987

PM PEAK HOUR	Walerga Road Southbound					Elkhorn Boulevard Westbound					Walerga Road Northbound					Elkhorn Boulevard Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	87	103	21	4	215	24	176	157	9	366	26	138	24	2	190	43	143	24	1	211	982
17:15	91	126	38	1	256	23	140	134	11	308	22	184	22	1	229	61	168	27	2	258	1051
17:30	98	117	38	3	256	32	142	132	20	326	28	176	27	0	231	33	165	20	2	220	1033
17:45	93	109	31	3	236	28	149	113	7	297	18	184	15	1	218	55	151	21	2	229	980
Total Volume	369	455	128	11	963	107	607	536	47	1297	94	682	88	4	868	192	627	92	7	918	4046
% App Total	38.3%	47.2%	13.3%	1.1%		8.2%	46.8%	41.3%	3.6%		10.8%	78.6%	10.1%	0.5%		20.9%	68.3%	10.0%	0.8%		
PHF	.941	.903	.842	.842	.940	.836	.862	.854	.854	.886	.839	.927	.815	.815	.939	.787	.933	.852	.852	.890	.962

ALL TRAFFIC DATA

Sacramento County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 13-7262-012 Watt Avenue-Elverta Road.ppd
Date : 5/1/2013

Unshifted Count = All Vehicles

	Watt Avenue Southbound					Elverta Road Westbound					Watt Avenue Northbound					Elverta Road Eastbound					Total	Uturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	13	148	40	14	215	82	92	33	0	207	21	82	13	15	131	27	17	34	0	78	631	29
07:15	13	189	57	0	259	99	97	72	0	268	18	126	25	5	174	73	39	41	2	155	856	7
07:30	47	263	64	4	378	110	97	75	0	282	36	144	17	11	208	48	37	26	0	111	979	15
07:45	18	143	53	2	216	81	80	31	1	193	23	74	27	10	134	30	29	36	1	96	639	14
Total	91	743	214	20	1068	372	366	211	1	950	98	426	82	41	647	178	122	137	3	440	3105	65
08:00	16	128	36	11	191	103	66	24	1	194	20	46	30	9	105	25	45	36	3	109	599	24
08:15	17	118	34	3	172	92	56	19	0	167	23	51	38	11	123	26	36	31	2	95	557	16
08:30	19	84	36	1	140	78	58	19	0	155	25	48	51	15	139	19	40	37	0	96	530	16
08:45	22	89	23	4	138	85	67	23	0	175	22	33	47	19	121	20	41	30	2	93	527	25
Total	74	419	129	19	641	358	247	85	1	691	90	178	166	54	488	90	162	134	7	393	2213	81
16:00	29	74	35	7	145	35	45	29	0	109	38	139	82	37	296	40	74	34	3	151	701	47
16:15	31	84	31	7	153	60	49	32	0	141	36	109	84	34	263	49	101	43	3	196	753	44
16:30	36	91	26	3	156	58	63	28	0	149	55	118	91	43	307	34	100	35	4	173	785	50
16:45	38	72	31	3	144	53	55	20	0	128	44	91	84	28	247	46	124	27	1	198	717	32
Total	134	321	123	20	598	206	212	109	0	527	173	457	341	142	1113	169	399	139	11	718	2956	173
17:00	34	92	41	3	170	52	49	36	0	137	36	91	86	38	251	68	106	36	1	211	769	42
17:15	35	88	37	7	167	75	62	40	1	178	61	122	102	39	324	51	94	43	1	189	858	48
17:30	29	91	28	5	153	56	47	27	1	131	51	135	80	34	300	90	118	40	2	250	834	42
17:45	29	79	29	6	143	62	47	43	1	153	34	136	77	22	269	53	100	48	3	204	769	32
Total	127	350	135	21	633	245	205	146	3	599	182	484	345	133	1144	262	418	167	7	854	3230	164
Grand Total	426	1833	601	80	2940	1181	1030	551	5	2767	543	1545	934	370	3392	699	1101	577	28	2405	11504	483
Apprch %	14.5%	62.3%	20.4%	2.7%		42.7%	37.2%	19.9%	0.2%		16.0%	45.5%	27.5%	10.9%		29.1%	45.8%	24.0%	1.2%			
Total %	3.7%	15.9%	5.2%	0.7%	25.6%	10.3%	9.0%	4.8%	0.0%	24.1%	4.7%	13.4%	8.1%	3.2%	29.5%	6.1%	9.6%	5.0%	0.2%	20.9%	100.0%	

AM PEAK HOUR	Watt Avenue Southbound					Elverta Road Westbound					Watt Avenue Northbound					Elverta Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:00 to 08:00																					
Peak Hour For Entire Intersection Begins at 07:00																					
07:00	13	148	40	14	215	82	92	33	0	207	21	82	13	15	131	27	17	34	0	78	631
07:15	13	189	57	0	259	99	97	72	0	268	18	126	25	5	174	73	39	41	2	155	856
07:30	47	263	64	4	378	110	97	75	0	282	36	144	17	11	208	48	37	26	0	111	979
07:45	18	143	53	2	216	81	80	31	1	193	23	74	27	10	134	30	29	36	1	96	639
Total Volume	91	743	214	20	1068	372	366	211	1	950	98	426	82	41	647	178	122	137	3	440	3105
% App Total	8.5%	69.6%	20.0%	1.9%		39.2%	38.5%	22.2%	0.1%		15.1%	65.8%	12.7%	6.3%		40.5%	27.7%	31.1%	0.7%		
PHF	.484	.706	.836	.836	.706	.845	.943	.703	.703	.842	.681	.740	.759	.759	.778	.610	.782	.835	.835	.710	.793

PM PEAK HOUR	Watt Avenue Southbound					Elverta Road Westbound					Watt Avenue Northbound					Elverta Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	34	92	41	3	170	52	49	36	0	137	36	91	86	38	251	68	106	36	1	211	769
17:15	35	88	37	7	167	75	62	40	1	178	61	122	102	39	324	51	94	43	1	189	858
17:30	29	91	28	5	153	56	47	27	1	131	51	135	80	34	300	90	118	40	2	250	834
17:45	29	79	29	6	143	62	47	43	1	153	34	136	77	22	269	53	100	48	3	204	769
Total Volume	127	350	135	21	633	245	205	146	3	599	182	484	345	133	1144	262	418	167	7	854	3230
% App Total	20.1%	55.3%	21.3%	3.3%		40.9%	34.2%	24.4%	0.5%		15.9%	42.3%	30.2%	11.6%		30.7%	48.9%	19.6%	0.8%		
PHF	.907	.951	.823	.823	.931	.817	.827	.849	.849	.841	.746	.890	.846	.846	.883	.728	.886	.870	.870	.854	.941

ALL TRAFFIC DATA

Sacramento County
All Vehicles on Unshifted
Nothing on Bank 1
Nothing on Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 13-7262-013 Walerga Road-Elverta Road.ppd
Date : 5/1/2013

Unshifted Count = All Vehicles

	Walerga Road Southbound					Elverta Road Westbound					Walerga Road Northbound					Elverta Road Eastbound					Total	Utturn Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL		
07:00	16	233	21	5	275	19	15	9	2	45	44	69	9	2	124	26	34	120	13	193	637	22
07:15	40	268	24	3	335	56	22	21	1	100	59	111	13	0	183	19	43	108	9	179	797	13
07:30	62	293	26	5	386	58	37	57	3	155	49	151	41	0	241	32	51	113	8	204	986	16
07:45	22	310	22	12	366	43	27	9	1	80	48	84	5	0	137	23	22	106	14	165	748	27
Total	140	1104	93	25	1362	176	101	96	7	380	200	415	68	2	685	100	150	447	44	741	3168	78
08:00	15	202	15	11	243	26	15	5	1	47	48	76	18	1	143	27	40	102	16	185	618	29
08:15	22	231	14	8	275	38	16	13	3	70	74	93	14	0	181	24	22	100	16	162	688	27
08:30	17	211	10	6	244	42	27	16	3	88	68	90	24	0	182	23	37	100	20	180	694	29
08:45	19	200	10	2	231	25	24	15	5	69	68	107	14	5	194	27	30	98	20	175	669	32
Total	73	844	49	27	993	131	82	49	12	274	258	366	70	6	700	101	129	400	72	702	2669	117
16:00	23	184	17	13	237	41	40	29	3	113	121	175	33	2	331	51	52	73	28	204	885	46
16:15	31	135	18	27	211	53	80	19	5	157	110	122	47	6	285	30	110	35	21	196	849	59
16:30	34	181	20	11	246	26	40	26	5	97	124	199	30	2	355	48	48	81	28	205	903	46
16:45	24	184	18	6	232	23	38	18	3	82	127	209	31	4	371	47	48	78	41	214	899	54
Total	112	684	73	57	926	143	198	92	16	449	482	705	141	14	1342	176	258	267	118	819	3536	205
17:00	28	214	19	4	265	31	32	9	6	78	149	215	39	2	405	68	48	60	38	214	962	50
17:15	31	192	18	19	260	28	47	18	3	96	136	209	38	1	384	49	55	77	37	218	958	60
17:30	40	186	16	15	257	37	52	15	7	111	121	166	45	4	336	67	71	76	40	254	958	66
17:45	38	199	11	13	261	28	59	27	7	121	80	187	53	3	323	71	54	78	40	243	948	63
Total	137	791	64	51	1043	124	190	69	23	406	486	777	175	10	1448	255	228	291	155	929	3826	239
Grand Total	462	3423	279	160	4324	574	571	306	58	1509	1426	2263	454	32	4175	632	765	1405	389	3191	13199	639
Apprch %	10.7%	79.2%	6.5%	3.7%		38.0%	37.8%	20.3%	3.8%		34.2%	54.2%	10.9%	0.8%		19.8%	24.0%	44.0%	12.2%			
Total %	3.5%	25.9%	2.1%	1.2%	32.8%	4.3%	4.3%	2.3%	0.4%	11.4%	10.8%	17.1%	3.4%	0.2%	31.6%	4.8%	5.8%	10.6%	2.9%	24.2%	100.0%	

AM PEAK HOUR	Walerga Road Southbound					Elverta Road Westbound					Walerga Road Northbound					Elverta Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 07:00 to 08:00																					
Peak Hour For Entire Intersection Begins at 07:00																					
07:00	16	233	21	5	275	19	15	9	2	45	44	69	9	2	124	26	34	120	13	193	637
07:15	40	268	24	3	335	56	22	21	1	100	59	111	13	0	183	19	43	108	9	179	797
07:30	62	293	26	5	386	58	37	57	3	155	49	151	41	0	241	32	51	113	8	204	986
07:45	22	310	22	12	366	43	27	9	1	80	48	84	5	0	137	23	22	106	14	165	748
Total Volume	140	1104	93	25	1362	176	101	96	7	380	200	415	68	2	685	100	150	447	44	741	3168
% App Total	10.3%	81.1%	6.8%	1.8%		46.3%	26.6%	25.3%	1.8%		29.2%	60.6%	9.9%	0.3%		13.5%	20.2%	60.3%	5.9%		
PHF	.565	.890	.894	.894	.882	.759	.682	.421	.421	.613	.847	.687	.415	.415	.711	.781	.735	.931	.931	.908	.803

PM PEAK HOUR	Walerga Road Southbound					Elverta Road Westbound					Walerga Road Northbound					Elverta Road Eastbound					Total
START TIME	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	LEFT	THRU	RIGHT	UTURNS	APP.TOTAL	
Peak Hour Analysis From 17:00 to 18:00																					
Peak Hour For Entire Intersection Begins at 17:00																					
17:00	28	214	19	4	265	31	32	9	6	78	149	215	39	2	405	68	48	60	38	214	962
17:15	31	192	18	19	260	28	47	18	3	96	136	209	38	1	384	49	55	77	37	218	958
17:30	40	186	16	15	257	37	52	15	7	111	121	166	45	4	336	67	71	76	40	254	958
17:45	38	199	11	13	261	28	59	27	7	121	80	187	53	3	323	71	54	78	40	243	948
Total Volume	137	791	64	51	1043	124	190	69	23	406	486	777	175	10	1448	255	228	291	155	929	3826
% App Total	13.1%	75.8%	6.1%	4.9%		30.5%	46.8%	17.0%	5.7%		33.6%	53.7%	12.1%	0.7%		27.4%	24.5%	31.3%	16.7%		
PHF	.856	.924	.842	.842	.984	.838	.805	.639	.639	.839	.815	.903	.825	.825	.894	.898	.803	.933	.933	.914	.994

INTERSECTION ANALYSIS
EXISTING CONDITIONS

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing: AM Peak Hour (Roseville City Intersections)

Scenario Report
 Existing AM

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing: AM Peak Hour (Roseville City Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 1 Atlantic St & Tiger Way/Center	A xxxxx	0.380	A xxxxx	0.380	+ 0.000 V/C
# 2 Atlantic St & Wills Rd	A xxxxx	0.459	A xxxxx	0.459	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	A xxxxx	0.452	A xxxxx	0.452	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	C xxxxx	0.738	C xxxxx	0.738	+ 0.000 V/C
# 5 Blue Oaks Blvd & Crocker Ranch	A xxxxx	0.246	A xxxxx	0.246	+ 0.000 V/C
# 6 Blue Oaks Blvd & Del Webb Blvd	A xxxxx	0.174	A xxxxx	0.174	+ 0.000 V/C
# 7 Blue Oaks Blvd & Fiddymment Rd	A xxxxx	0.283	A xxxxx	0.283	+ 0.000 V/C
# 8 Blue Oaks Blvd & New Meadow Dr	B xxxxx	0.631	B xxxxx	0.631	+ 0.000 V/C
# 9 Blue Oaks Blvd & Orchard View	A xxxxx	0.132	A xxxxx	0.132	+ 0.000 V/C
# 10 Blue Oaks Blvd & Diamond Creek	A xxxxx	0.393	A xxxxx	0.393	+ 0.000 V/C
# 11 Blue Oaks Blvd & Foothills Blv	C xxxxx	0.724	C xxxxx	0.724	+ 0.000 V/C
# 12 Blue Oaks Blvd & Woodcreek Oak	B xxxxx	0.632	B xxxxx	0.632	+ 0.000 V/C
# 13 Cirby Way & Sunrise Ave	C xxxxx	0.766	C xxxxx	0.766	+ 0.000 V/C
# 14 Cirby Way & Foothills Blvd	B xxxxx	0.657	B xxxxx	0.657	+ 0.000 V/C
# 15 Cirby Way & Melody Ln	A xxxxx	0.525	A xxxxx	0.525	+ 0.000 V/C
# 16 Cirby Way & Northridge Dr	A xxxxx	0.592	A xxxxx	0.592	+ 0.000 V/C
# 17 Cirby Way & Oak Ridge Dr	A xxxxx	0.438	A xxxxx	0.438	+ 0.000 V/C
# 18 Cirby Way & Orlando Ave	A xxxxx	0.486	A xxxxx	0.486	+ 0.000 V/C
# 19 Cirby Way & Parkview Dr	A xxxxx	0.449	A xxxxx	0.449	+ 0.000 V/C
# 20 Cirby Way & Riverside Ave	C xxxxx	0.725	C xxxxx	0.725	+ 0.000 V/C
# 21 Cirby Way & Rocky Ridge Dr	A xxxxx	0.576	A xxxxx	0.576	+ 0.000 V/C
# 22 Cirby Way & San Simeon Dr	A xxxxx	0.412	A xxxxx	0.412	+ 0.000 V/C
# 23 Cirby Way & Vernon St	B xxxxx	0.672	B xxxxx	0.672	+ 0.000 V/C

City of Roseville Fiddymment Ranch SPA 3 Update Existing: AM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 24 Douglas Blvd & Eureka Rd	A	xxxxx 0.530	A	xxxxx 0.530	+ 0.000 V/C
# 25 Douglas Blvd & Rocky Ridge Dr	A	xxxxx 0.520	A	xxxxx 0.520	+ 0.000 V/C
# 26 Douglas Blvd & Santa Clara Dr	A	xxxxx 0.443	A	xxxxx 0.443	+ 0.000 V/C
# 27 Douglas Blvd & Sierra Gardens	A	xxxxx 0.433	A	xxxxx 0.433	+ 0.000 V/C
# 28 Douglas Blvd & Sunrise Ave	A	xxxxx 0.557	A	xxxxx 0.557	+ 0.000 V/C
# 29 Douglas Blvd & Target Dwy	A	xxxxx 0.363	A	xxxxx 0.363	+ 0.000 V/C
# 30 Douglas Blvd & E Roseville Pkw	B	xxxxx 0.688	B	xxxxx 0.688	+ 0.000 V/C
# 31 Douglas Blvd & Folsom Rd	A	xxxxx 0.367	A	xxxxx 0.367	+ 0.000 V/C
# 32 Douglas Blvd & Harding Blvd	A	xxxxx 0.517	A	xxxxx 0.517	+ 0.000 V/C
# 33 Douglas Blvd & Judah St	A	xxxxx 0.316	A	xxxxx 0.316	+ 0.000 V/C
# 34 Douglas Blvd & Keehner Ave	A	xxxxx 0.310	A	xxxxx 0.310	+ 0.000 V/C
# 35 Douglas Blvd & Park Dr	A	xxxxx 0.231	A	xxxxx 0.231	+ 0.000 V/C
# 36 Douglas Blvd & Sierra College	C	xxxxx 0.713	C	xxxxx 0.713	+ 0.000 V/C
# 37 Eureka Rd & Lead Hill Blvd	A	xxxxx 0.333	A	xxxxx 0.333	+ 0.000 V/C
# 38 Eureka Rd & N. Sunrise Ave	A	xxxxx 0.476	A	xxxxx 0.476	+ 0.000 V/C
# 39 Eureka Rd & Rocky Ridge Dr	A	xxxxx 0.446	A	xxxxx 0.446	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A	xxxxx 0.221	A	xxxxx 0.221	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts D	A	xxxxx 0.310	A	xxxxx 0.310	+ 0.000 V/C
# 42 Fairway Dr & Central Park Dr/L	A	xxxxx 0.155	A	xxxxx 0.155	+ 0.000 V/C
# 43 Fairway Dr & Cortina Cir	A	xxxxx 0.166	A	xxxxx 0.166	+ 0.000 V/C
# 44 Fairway Dr & Five Star Blvd	A	xxxxx 0.135	A	xxxxx 0.135	+ 0.000 V/C
# 45 Fairway Dr & Home Depot Dwy	A	xxxxx 0.146	A	xxxxx 0.146	+ 0.000 V/C
# 46 Fairway Dr & Target Dwy/Roseha	A	xxxxx 0.210	A	xxxxx 0.210	+ 0.000 V/C
# 47 Del Webb Blvd/Village Green Dr	A	xxxxx 0.323	A	xxxxx 0.323	+ 0.000 V/C
# 48 Hayden Pkwy North & Fiddymment	A	xxxxx 0.103	A	xxxxx 0.103	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing: AM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 49 Hayden Pkwy South & Fiddymment	A	xxxxx 0.293	A	xxxxx 0.293	+ 0.000 V/C
# 50 Baseline Rd/Main St & Foothill	B	xxxxx 0.663	B	xxxxx 0.663	+ 0.000 V/C
# 51 Misty Wood Dr/NEC Dwy & Foothi	A	xxxxx 0.280	A	xxxxx 0.280	+ 0.000 V/C
# 52 Albertsons Dr & Foothills Blvd	A	xxxxx 0.273	A	xxxxx 0.273	+ 0.000 V/C
# 54 Roseville Pkwy/HP Central Dwy	A	xxxxx 0.213	A	xxxxx 0.213	+ 0.000 V/C
# 55 HP South Dwy & Foothills Blvd	A	xxxxx 0.187	A	xxxxx 0.187	+ 0.000 V/C
# 56 Junction Blvd & Foothills Blvd	A	xxxxx 0.471	A	xxxxx 0.471	+ 0.000 V/C
# 57 McAnally Dr & Foothills Blvd	A	xxxxx 0.390	A	xxxxx 0.390	+ 0.000 V/C
# 58 Pleasant Grove Blvd & Foothill	A	xxxxx 0.549	A	xxxxx 0.549	+ 0.000 V/C
# 59 Rand Way/Pilgrims Dr & Foothil	A	xxxxx 0.342	A	xxxxx 0.342	+ 0.000 V/C
# 60 Vineyard Rd & Foothills Blvd	A	xxxxx 0.534	A	xxxxx 0.534	+ 0.000 V/C
# 61 Antelope Creek Dr & Galleria B	A	xxxxx 0.314	A	xxxxx 0.314	+ 0.000 V/C
# 62 Berry St & Galleria Blvd	A	xxxxx 0.496	A	xxxxx 0.496	+ 0.000 V/C
# 63 Roseville Pkwy & Galleria Blvd	A	xxxxx 0.543	A	xxxxx 0.543	+ 0.000 V/C
# 64 Wills Rd & Harding Blvd	A	xxxxx 0.496	A	xxxxx 0.496	+ 0.000 V/C
# 65 Estates Dr & Harding Blvd	A	xxxxx 0.346	A	xxxxx 0.346	+ 0.000 V/C
# 66 Lead Hill Blvd & Harding Blvd	A	xxxxx 0.370	A	xxxxx 0.370	+ 0.000 V/C
# 67 Roseville Square Dwy & Harding	A	xxxxx 0.268	A	xxxxx 0.268	+ 0.000 V/C
# 68 Junction Blvd & Stonecrest Dr/	A	xxxxx 0.240	A	xxxxx 0.240	+ 0.000 V/C
# 69 Junction Blvd & Americana Dr	A	xxxxx 0.348	A	xxxxx 0.348	+ 0.000 V/C
# 70 Baseline Rd & Junction Blvd	A	xxxxx 0.289	A	xxxxx 0.289	+ 0.000 V/C
# 71 Junction Blvd & Country Club D	A	xxxxx 0.406	A	xxxxx 0.406	+ 0.000 V/C
# 72 Junction Blvd & Park Regency D	A	xxxxx 0.301	A	xxxxx 0.301	+ 0.000 V/C
# 73 Junction Blvd & Porter Dr	A	xxxxx 0.304	A	xxxxx 0.304	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing: AM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 74 Junction Blvd & Revere Dr	A xxxxx	0.244	A xxxxx	0.244	+ 0.000 V/C
# 75 Junction Blvd & Washington Blv	A xxxxx	0.323	A xxxxx	0.323	+ 0.000 V/C
# 76 Junction Blvd & Woodcreek Oaks	A xxxxx	0.294	A xxxxx	0.294	+ 0.000 V/C
# 77 Lead Hill Blvd & N. Sunrise Av	A xxxxx	0.386	A xxxxx	0.386	+ 0.000 V/C
# 78 Lead Hill Blvd & Rocky Ridge D	A xxxxx	0.362	A xxxxx	0.362	+ 0.000 V/C
# 79 Lead Hill Blvd & Wal-Mart Dwy	A xxxxx	0.187	A xxxxx	0.187	+ 0.000 V/C
# 80 N. Sunrise Ave & Automall Dr	A xxxxx	0.286	A xxxxx	0.286	+ 0.000 V/C
# 81 Stone Point Dr & N. Sunrise Av	A xxxxx	0.117	A xxxxx	0.117	+ 0.000 V/C
# 82 Sierra Gardens Dr & N. Sunrise	A xxxxx	0.289	A xxxxx	0.289	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A xxxxx	0.175	A xxxxx	0.175	+ 0.000 V/C
# 84 PFE Rd & Hilltop Cir	A xxxxx	0.414	A xxxxx	0.414	+ 0.000 V/C
# 85 Fairway Dr & Pleasant Grove Bl	A xxxxx	0.448	A xxxxx	0.448	+ 0.000 V/C
# 86 Pleasant Grove Blvd & Fiddymen	A xxxxx	0.428	A xxxxx	0.428	+ 0.000 V/C
# 87 Pleasant Grove Blvd & Gold Coa	A xxxxx	0.488	A xxxxx	0.488	+ 0.000 V/C
# 88 Highland Park Dr & Pleasant Gr	A xxxxx	0.417	A xxxxx	0.417	+ 0.000 V/C
# 89 Market St & Pleasant Grove Blv	A xxxxx	0.187	A xxxxx	0.187	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A xxxxx	0.345	A xxxxx	0.345	+ 0.000 V/C
# 91 Pleasant Grove Blvd & Monument	A xxxxx	0.262	A xxxxx	0.262	+ 0.000 V/C
# 92 Pleasant Grove Blvd & Rose Cre	A xxxxx	0.302	A xxxxx	0.302	+ 0.000 V/C
# 93 Pleasant Grove Blvd & Rosevill	B xxxxx	0.699	B xxxxx	0.699	+ 0.000 V/C
# 94 Pleasant Grove Blvd & Sun City	A xxxxx	0.282	A xxxxx	0.282	+ 0.000 V/C
# 95 Highland Pointe Dr & Pleasant	A xxxxx	0.427	A xxxxx	0.427	+ 0.000 V/C
# 96 Pleasant Grove Blvd & Washingt	A xxxxx	0.534	A xxxxx	0.534	+ 0.000 V/C
# 97 Pleasant Grove Blvd & Country	A xxxxx	0.556	A xxxxx	0.556	+ 0.000 V/C
# 98 Pleasant Grove Blvd & Woodcree	A xxxxx	0.491	A xxxxx	0.491	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing: AM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 99 Maidu Dr & Rocky Ridge Dr	A xxxxx	0.358	A xxxxx	0.358	+ 0.000 V/C
#100 McLaren Dr & Rocky Ridge Dr	A xxxxx	0.341	A xxxxx	0.341	+ 0.000 V/C
#101 Professional Dr & Rocky Ridge	A xxxxx	0.425	A xxxxx	0.425	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A xxxxx	0.116	A xxxxx	0.116	+ 0.000 V/C
#103 Roseville Pkwy & Chase Dr	A xxxxx	0.429	A xxxxx	0.429	+ 0.000 V/C
#104 Roseville Pkwy & Creekside Rid	A xxxxx	0.407	A xxxxx	0.407	+ 0.000 V/C
#105 Roseville Pkwy & Gibson Dr Eas	A xxxxx	0.467	A xxxxx	0.467	+ 0.000 V/C
#106 Roseville Pkwy & N. Sunrise Av	B xxxxx	0.622	B xxxxx	0.622	+ 0.000 V/C
#107 Roseville Pkwy & Reserve Dr	A xxxxx	0.504	A xxxxx	0.504	+ 0.000 V/C
#108 Roseville Pkwy & Secret Ravine	A xxxxx	0.422	A xxxxx	0.422	+ 0.000 V/C
#109 Roseville Pkwy & Taylor Rd	B xxxxx	0.691	B xxxxx	0.691	+ 0.000 V/C
#110 West Mall Dwy & Roseville Pkwy	A xxxxx	0.474	A xxxxx	0.474	+ 0.000 V/C
#111 Alexandra Dr & Roseville Pkwy	A xxxxx	0.407	A xxxxx	0.407	+ 0.000 V/C
#112 Eureka Rd & Roseville Pkwy	A xxxxx	0.420	A xxxxx	0.420	+ 0.000 V/C
#113 Lead Hill Blvd/Orvieto Dr & R	A xxxxx	0.412	A xxxxx	0.412	+ 0.000 V/C
#114 Roseville Pkwy & N. Cirby Way	A xxxxx	0.348	A xxxxx	0.348	+ 0.000 V/C
#115 Olympus Dr & Roseville Pkwy	A xxxxx	0.420	A xxxxx	0.420	+ 0.000 V/C
#116 Rocky Ridge Dr & Roseville Pkw	A xxxxx	0.413	A xxxxx	0.413	+ 0.000 V/C
#117 Roseville Pkwy & Sierra Colleg	A xxxxx	0.575	A xxxxx	0.575	+ 0.000 V/C
#118 Trestle Rd & Roseville Pkwy	A xxxxx	0.233	A xxxxx	0.233	+ 0.000 V/C
#119 Village Dr & Roseville Pkwy	A xxxxx	0.292	A xxxxx	0.292	+ 0.000 V/C
#120 Roseville Pkwy & Washington Bl	A xxxxx	0.481	A xxxxx	0.481	+ 0.000 V/C
#121 S Cirby Way & Champion Oaks Dr	A xxxxx	0.422	A xxxxx	0.422	+ 0.000 V/C
#122 S Cirby Way & Old Auburn Rd	B xxxxx	0.666	B xxxxx	0.666	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#123 Secret Ravine Pkwy & Scarborou	A xxxxx	0.304	A xxxxx	0.304	+ 0.000 V/C
#124 Miners Ravine & Sierra College	A xxxxx	0.349	A xxxxx	0.349	+ 0.000 V/C
#125 Secret Ravine Pkwy & Sierra Co	A xxxxx	0.423	A xxxxx	0.423	+ 0.000 V/C
#126 Eureka Rd & Sierra College Blv	A xxxxx	0.592	A xxxxx	0.592	+ 0.000 V/C
#127 Indigo Creek Apts & Sierra Col	A xxxxx	0.383	A xxxxx	0.383	+ 0.000 V/C
#128 Old Auburn Rd & Sierra College	C xxxxx	0.746	C xxxxx	0.746	+ 0.000 V/C
#129 Olympus Dr & Sierra College Bl	A xxxxx	0.457	A xxxxx	0.457	+ 0.000 V/C
#130 Fairway Dr & Stanford Ranch Rd	A xxxxx	0.348	A xxxxx	0.348	+ 0.000 V/C
#131 Five Star Blvd & Stanford Ranc	A xxxxx	0.433	A xxxxx	0.433	+ 0.000 V/C
#132 Highland Park Dr & Stanford Ra	A xxxxx	0.326	A xxxxx	0.326	+ 0.000 V/C
#133 Coloma Way & Sunrise Ave	A xxxxx	0.595	A xxxxx	0.595	+ 0.000 V/C
#134 Sandringham Way/Kensington Dr	A xxxxx	0.487	A xxxxx	0.487	+ 0.000 V/C
#135 Sun Tree Dr/Kensington Dr & Su	A xxxxx	0.594	A xxxxx	0.594	+ 0.000 V/C
#136 Frances Dr & Sunrise Ave	A xxxxx	0.498	A xxxxx	0.498	+ 0.000 V/C
#137 Oak Ridge Dr & Sunrise Ave	A xxxxx	0.222	A xxxxx	0.222	+ 0.000 V/C
#138 Diamond Oaks Rd & Washington B	A xxxxx	0.574	A xxxxx	0.574	+ 0.000 V/C
#139 Sawtell Rd/Derek Pl & Washingt	A xxxxx	0.295	A xxxxx	0.295	+ 0.000 V/C
#140 Hallissy Dr & Washington Blvd	A xxxxx	0.307	A xxxxx	0.307	+ 0.000 V/C
#141 Baseline Rd & Woodcreek Oaks B	B xxxxx	0.629	B xxxxx	0.629	+ 0.000 V/C
#142 Canevari Dr/Arsenault Dr & Woo	A xxxxx	0.521	A xxxxx	0.521	+ 0.000 V/C
#143 Horncastle Ave & Woodcreek Oak	A xxxxx	0.281	A xxxxx	0.281	+ 0.000 V/C
#144 McAnally Dr & Woodcreek Oaks B	A xxxxx	0.382	A xxxxx	0.382	+ 0.000 V/C
#145 Trailee Ln & Woodcreek Oaks Bl	A xxxxx	0.319	A xxxxx	0.319	+ 0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	A xxxxx	0.503	A xxxxx	0.503	+ 0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	A xxxxx	0.377	A xxxxx	0.377	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#148 Douglas Blvd & I-80 WB Off-Ram	A xxxxx	0.570	A xxxxx	0.570	+ 0.000 V/C
#149 Atlantic St & I-80 WB On-Ramp	A xxxxx	0.293	A xxxxx	0.293	+ 0.000 V/C
#150 Pleasant Grove Blvd & SR 65 NB	A xxxxx	0.360	A xxxxx	0.360	+ 0.000 V/C
#151 Pleasant Grove Blvd & SR 65 SB	A xxxxx	0.383	A xxxxx	0.383	+ 0.000 V/C
#152 I-80 WB Off-Ramp & Riverside A	A xxxxx	0.495	A xxxxx	0.495	+ 0.000 V/C
#153 SR 65 NB On-Ramp & Stanford Ra	A xxxxx	0.593	A xxxxx	0.593	+ 0.000 V/C
#154 SR 65 SB On-Ramp & Galleria Bl	A xxxxx	0.377	A xxxxx	0.377	+ 0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	D xxxxx	0.882	D xxxxx	0.882	+ 0.000 V/C
#156 Fairway Dr & Highland Park Dr	A xxxxx	0.122	A xxxxx	0.122	+ 0.000 V/C
#157 I-80 EB Off-Ramp/Orlando Ave &	A xxxxx	0.490	A xxxxx	0.490	+ 0.000 V/C
#180 Baseline Rd & Santucci Blvd	A xxxxx	0.557	A xxxxx	0.557	+ 0.000 V/C
#1001 Darling Way & Riverside Ave	A xxxxx	0.412	A xxxxx	0.412	+ 0.000 V/C
#1002 Vernon St & Douglas Blvd/River	A xxxxx	0.338	A xxxxx	0.338	+ 0.000 V/C
#1003 Vernon St & Grant St	A xxxxx	0.247	A xxxxx	0.247	+ 0.000 V/C
#1004 Vernon St & Judah St	A xxxxx	0.207	A xxxxx	0.207	+ 0.000 V/C
#1005 Vernon St & Lincoln St	A xxxxx	0.493	A xxxxx	0.493	+ 0.000 V/C
#1006 Main St & Washington Blvd	A xxxxx	0.490	A xxxxx	0.490	+ 0.000 V/C
#1007 Oak St & Washington Blvd	A xxxxx	0.338	A xxxxx	0.338	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1 Atlantic St & Tiger Way/Center St

Cycle (sec):	120	Critical Vol./Cap.(X):	0.380
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	37	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	11	2	20	150	7	53	37	720	9	8	495	166
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	2	20	150	7	53	37	720	9	8	495	166
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:	11	2	20	150	7	53	37	720	9	8	495	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	2	20	150	7	53	37	720	9	8	495	166
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:	11	2	20	150	7	53	37	720	9	8	495	166

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.09	0.91	0.96	0.04	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	132	1318	1385	65	1450	1450	2864	36	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.02	0.11	0.11	0.04	0.03	0.25	0.25	0.01	0.17	0.11
Crit Volume:	22			157			365			8		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #2 Atlantic St & Wills Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.459
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	156	0	125	0	0	0	0	712	200	177	523	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	156	0	125	0	0	0	0	712	200	177	523	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	156	0	125	0	0	0	0	712	200	177	523	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	0	125	0	0	0	0	712	200	177	523	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	156	0	125	0	0	0	0	712	200	177	523	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.08	0.00	0.00	0.00	0.00	0.24	0.13	0.12	0.17	0.00
Crit Volume:	156			0				356		177		
Crit Moves:	****							****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #3 Atlantic St & Yosemite St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.452
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0	1 0 0 0	1 0 2 0	0 0 2 0

Volume Module:

Base Vol:	0	0	0	327	0	159	164	449	0	0	375	154
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	327	0	159	164	449	0	0	375	154
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	327	0	159	164	449	0	0	375	154
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	327	0	159	164	449	0	0	375	154
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	327	0	159	164	449	0	0	375	154

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.22	0.00	0.11	0.11	0.15	0.00	0.00	0.13	0.10
Crit Volume:	0			327			164				188	
Crit Moves:				****			****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.738
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 87 Level Of Service: C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0	1 0 1 0	1 0 1 1	1 0 2 0

Volume Module:

Base Vol:	24	544	140	144	627	630	221	184	4	206	397	104
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	544	140	144	627	630	221	184	4	206	397	104
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	544	140	144	627	630	221	184	4	206	397	104
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	544	140	144	627	630	221	184	4	206	397	104
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:	24	544	140	144	627	630	221	184	4	206	397	104

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.96	0.04	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	1450	1450	1450	2838	62	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.10	0.10	0.43	0.43	0.15	0.06	0.06	0.14	0.14	0.07
Crit Volume:	24				627		221			199		
Crit Moves:	****				****		****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #5 Blue Oaks Blvd & Crocker Ranch Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.246
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	3	0	0	1

Volume Module:

Base Vol:	0	0	0	176	0	25	15	580	0	0	450	84
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	176	0	25	15	580	0	0	450	84
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	176	0	25	15	580	0	0	450	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	176	0	25	15	580	0	0	450	84
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	176	0	25	15	580	0	0	450	84

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	0.00	1.00	0.00	1.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.12	0.00	0.02	0.01	0.13	0.00	0.00	0.10	0.06
Crit Volume:	0			176			193		0			
Crit Moves:				****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #6 Blue Oaks Blvd & Del Webb Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.174
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	3	0	1	1

Volume Module:

Base Vol:	5	0	78	0	0	0	0	548	6	62	433	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	0	78	0	0	0	0	548	6	62	433	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	5	0	78	0	0	0	0	548	6	62	433	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	0	78	0	0	0	0	548	6	62	433	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	5	0	78	0	0	0	0	548	6	62	433	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.12	0.00	0.04	0.10	0.00
Crit Volume:	78			0			183		0			
Crit Moves:	****						****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #7 Blue Oaks Blvd & Fiddymment Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.283
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	1 185 365	52 219 4	7 59 1	329 60 71
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	1 185 365	52 219 4	7 59 1	329 60 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:	1 185 365	52 219 4	7 59 1	329 60 71
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	1 185 365	52 219 4	7 59 1	329 60 71
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	1 185 365	52 219 4	7 59 1	329 60 71

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 2.00 1.00	2.00 2.00 1.00	2.00 3.00 1.00	2.00 3.00 1.00
Final Sat.:	2900 2900 1450	2900 2900 1450	2900 4350 1450	2900 4350 1450

Capacity Analysis Module:

Vol/Sat:	0.00 0.06 0.25	0.02 0.08 0.00	0.00 0.01 0.00	0.11 0.01 0.05
Crit Volume:	365 26	20	0	
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #8 Blue Oaks Blvd & New Meadow Dr

Cycle (sec):	100	Critical Vol./Cap.(X):	0.631
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	62	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	2 0 0 0 1	1 0 2 0 0	1 0 2 0 1

Volume Module:

Base Vol:	0 0 0	215 0 28	12 1669 0	4 711 57
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 0 0	215 0 28	12 1669 0	4 711 57
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	215 0 28	12 1669 0	4 711 57
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 0 0	215 0 28	12 1669 0	4 711 57
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	215 0 28	12 1669 0	4 711 57

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 0.00	2.00 0.00 1.00	1.00 2.00 0.00	1.00 2.00 1.00
Final Sat.:	0 0 0	3000 0 1500	1500 3000 0	1500 3000 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.00 0.00	0.07 0.00 0.02	0.01 0.56 0.00	0.00 0.24 0.04
Crit Volume:	0	108	835	4
Crit Moves:		****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #9 Blue Oaks Blvd & Orchard View

Cycle (sec): 100 Critical Vol./Cap.(X): 0.132
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 1 0 3 0 0 0 0 3 0 1

Volume Module:
Base Vol: 0 0 0 38 0 13 1 479 0 0 396 23
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 38 0 13 1 479 0 0 396 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: 0 0 0 38 0 13 1 479 0 0 396 23
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 38 0 13 1 479 0 0 396 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: 0 0 0 38 0 13 1 479 0 0 396 23

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 0.00 1.00 0.00 1.00 1.00 3.00 0.00 0.00 3.00 1.00
Final Sat.: 0 0 0 1500 0 1500 1500 4500 0 0 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.03 0.00 0.01 0.00 0.11 0.00 0.00 0.09 0.02
Crit Volume: 0 38 160 0
Crit Moves: **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #10 Blue Oaks Blvd & Diamond Creek Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.393
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Split Phase Split Phase Protected Protected
Rights: Ovl Include Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 1 0 1 1 0 1! 0 0 1 0 2 0 1 1

Volume Module:
Base Vol: 19 1 43 261 32 17 22 720 8 36 413 114
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 19 1 43 261 32 17 22 720 8 36 413 114
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: 19 1 43 261 32 17 22 720 8 36 413 114
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 19 1 43 261 32 17 22 720 8 36 413 114
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 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 19 1 43 261 32 17 22 720 8 36 413 114

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 1.00 1.00 1.68 0.21 0.11 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1450 1450 1450 2442 299 159 1450 2900 1450 1450 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.01 0.00 0.03 0.11 0.11 0.11 0.02 0.25 0.01 0.02 0.14 0.08
Crit Volume: 19 155 360 36
Crit Moves: **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #11 Blue Oaks Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.724
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 83 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	131	83	229	107	42	15	36	1487	245	422	753	245
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	131	83	229	107	42	15	36	1487	245	422	753	245
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:	131	83	0	107	42	15	36	1487	245	422	753	245
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	131	83	0	107	42	15	36	1487	245	422	753	245
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	131	83	0	107	42	15	36	1487	245	422	753	245

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.03	0.00	0.04	0.01	0.01	0.02	0.51	0.17	0.15	0.26	0.17
Crit Volume:	42			53			744			211		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #12 Blue Oaks Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.632
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 62 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	61	100	269	366	96	41	29	928	86	167	450	120
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	61	100	269	366	96	41	29	928	86	167	450	120
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:	61	100	269	366	96	41	29	928	86	167	450	120
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	61	100	269	366	96	41	29	928	86	167	450	120
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:	61	100	269	366	96	41	29	928	86	167	450	120

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.03	0.19	0.13	0.03	0.03	0.02	0.32	0.06	0.06	0.16	0.08
Crit Volume:	269	183		464			0			0		
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #13 Cirby Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.766
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 97 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	2	0	2	0

Volume Module:

Base Vol:	267	969	60	174	756	144	236	685	206	132	841	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	267	969	60	174	756	144	236	685	206	132	841	72
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	267	969	60	174	756	144	236	685	0	132	841	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	267	969	60	174	756	144	236	685	0	132	841	72
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	267	969	60	174	756	144	236	685	0	132	841	72

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.33	0.04	0.06	0.26	0.10	0.08	0.24	0.00	0.05	0.29	0.05
Crit Volume:	485			87			118			420		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #14 Cirby Way & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.657
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Include			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	0	0	0	0	0	0	1

Volume Module:

Base Vol:	0	253	245	1434	576	0	0	0	0	283	0	922
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	253	245	1434	576	0	0	0	0	283	0	922
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.15
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	253	0	1434	576	0	0	0	0	283	0	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	253	0	1434	576	0	0	0	0	283	0	138
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	0	253	0	1434	576	0	0	0	0	283	0	138

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	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.08	0.00	0.48	0.38	0.00	0.00	0.00	0.00	0.09	0.00	0.09
Crit Volume:	127			717			0			142		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #15 Cirby Way & Melody Ln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.525
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 1	0 0 0 0 0	0 0 2 1 0	2 0 2 0 0

Volume Module:

Base Vol:	0	0	249	0	0	0	0	1727	8	169	1180	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	249	0	0	0	0	1727	8	169	1180	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	249	0	0	0	0	1727	8	169	1180	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	249	0	0	0	0	1727	8	169	1180	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	249	0	0	0	0	1727	8	169	1180	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	0.00	1.00	0.00	0.00	0.00	0.00	2.99	0.01	2.00	2.00	0.00
Final Sat.:	0	0	1575	0	0	0	0	4703	22	3150	3150	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.37	0.37	0.05	0.37	0.00
Crit Volume:	249			0				578	0			
Crit Moves:	****							****	****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #16 Cirby Way & Northridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.592
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 56 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 0 0	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	2	1	25	45	1	13	4	1643	0	6	1170	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	1	25	45	1	13	4	1643	0	6	1170	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	1	25	45	1	13	4	1643	0	6	1170	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1	25	45	1	13	4	1643	0	6	1170	6
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:	2	1	25	45	1	13	4	1643	0	6	1170	6

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.07	0.04	0.89	0.98	0.02	1.00	1.00	2.00	0.00	1.00	1.99	0.01
Final Sat.:	109	54	1359	1489	33	1523	1523	3045	0	1523	3029	16

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.03	0.03	0.01	0.00	0.54	0.00	0.00	0.39	0.39
Crit Volume:	28			46				822			6	
Crit Moves:	****			****				****			****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #17 Cirby Way & Oak Ridge Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.438
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	41	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Permitted	Permitted	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 0 1! 0 0	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	25	11	57	16	8	25	23	1022	9	20	1100	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	11	57	16	8	25	23	1022	9	20	1100	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	11	57	16	8	25	23	1022	9	20	1100	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	11	57	16	8	25	23	1022	9	20	1100	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	11	57	16	8	25	23	1022	9	20	1100	16

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Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.27	0.12	0.61	0.33	0.16	0.51	1.00	1.98	0.02	1.00	1.97	0.03
Final Sat.:	423	186	965	514	257	804	1575	3123	27	1575	3105	45

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Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.06	0.03	0.03	0.03	0.01	0.33	0.33	0.01	0.35	0.35
Crit Volume:	93			16			23					558
Crit Moves:	****			****			****					****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #18 Cirby Way & Orlando Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.486
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 1	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	9	0	247	9	2	7	5	839	44	104	1158	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	0	247	9	2	7	5	839	44	104	1158	4
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:	9	0	247	9	2	7	5	839	44	104	1158	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	0	247	9	2	7	5	839	44	104	1158	4
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:	9	0	247	9	2	7	5	839	44	104	1158	4

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.82	0.18	1.00	1.00	1.90	0.10	1.00	1.99	0.01
Final Sat.:	1523	0	1523	1246	277	1523	1523	2893	152	1523	3035	10

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Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.16	0.01	0.01	0.00	0.00	0.29	0.29	0.07	0.38	0.38
Crit Volume:			247		11		5				581	
Crit Moves:	****		****		****		****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #19 Cirby Way & Parkview Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.449
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	82	2	33	55	0	72	27	985	0	19	899	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	82	2	33	55	0	72	27	985	0	19	899	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	82	2	33	55	0	72	27	985	0	19	899	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	2	33	55	0	72	27	985	0	19	899	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	82	2	33	55	0	72	27	985	0	19	899	13

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.70	0.02	0.28	1.00	0.00	1.00	1.00	2.00	0.00	1.00	1.97	0.03
Final Sat.:	1067	26	429	1523	0	1523	1523	3045	0	1523	3002	43

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Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.04	0.00	0.05	0.02	0.32	0.00	0.01	0.30	0.30
Crit Volume:	117			55				493		19		
Crit Moves:	****			****				****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #20 Cirby Way & Riverside Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.725
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	83	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 3 0 1	2 0 2 0 2	2 0 1 1 0

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Volume Module:

Base Vol:	672	334	120	141	371	63	210	744	1274	440	647	68
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	672	334	120	141	371	63	210	744	1274	440	647	68
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	672	334	120	141	371	63	210	744	0	440	647	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	672	334	120	141	371	63	210	744	0	440	647	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	672	334	120	141	371	63	210	744	0	440	647	68

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	2.00	2.00	2.00	1.81	0.19
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	2900	2900	2900	2624	276

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Capacity Analysis Module:

Vol/Sat:	0.23	0.12	0.08	0.05	0.09	0.04	0.07	0.26	0.00	0.15	0.25	0.25
Crit Volume:	336			124			372			220		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #21 Cirby Way & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.576
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Permitted	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	1 1 0 0 1	1 1 0 1 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	113	0	361	473	411	0	0	765	240
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	113	0	361	473	411	0	0	765	240
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	113	0	361	473	411	0	0	765	240
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	113	0	361	473	411	0	0	765	240
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	113	0	361	473	411	0	0	765	240

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	1.00	0.00	2.00	0.00	1.00	1.61	1.39	0.00	0.00	1.52	0.48
Final Sat.:	0	1500	0	3000	0	1500	2408	2092	0	0	2284	716

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.24	0.20	0.20	0.00	0.00	0.33	0.34
Crit Volume:	0			361		0					503	
Crit Moves:				****		****					****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #22 Cirby Way & San Simeon Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.412
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	37	0	49	0	0	0	0	1101	11	17	1224	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	37	0	49	0	0	0	0	1101	11	17	1224	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:	37	0	49	0	0	0	0	1101	11	17	1224	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	0	49	0	0	0	0	1101	11	17	1224	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:	37	0	49	0	0	0	0	1101	11	17	1224	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.98	0.02	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3119	31	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.35	0.35	0.01	0.39	0.00
Crit Volume:	37			0		0		0		612		
Crit Moves:	****					****		****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #23 Cirby Way & Vernon St

Cycle (sec):	120	Critical Vol./Cap.(X):	0.672
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	69	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 0 1	1 0 1 0 1	2 0 1 1 0	2 0 2 0 1

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Volume Module:

Base Vol:	66 99 129	48 114 197	175 1432 30	126 961 86
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	66 99 129	48 114 197	175 1432 30	126 961 86
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:	66 99 129	48 114 197	175 1432 30	126 961 86
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	66 99 129	48 114 197	175 1432 30	126 961 86
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:	66 99 129	48 114 197	175 1432 30	126 961 86

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 1.00 1.00	1.00 1.00 1.00	2.00 1.96 0.04	2.00 2.00 1.00
Final Sat.:	1450 1450 1450	1450 1450 1450	2900 2840 60	2900 2900 1450

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Capacity Analysis Module:

Vol/Sat:	0.05 0.07 0.09	0.03 0.08 0.14	0.06 0.50 0.50	0.04 0.33 0.06
Crit Volume:	66	114	731	63
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #24 Douglas Blvd & Eureka Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.530
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	48	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

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Volume Module:

Base Vol:	306 361 19	342 345 87	208 1073 452	46 937 314
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	306 361 19	342 345 87	208 1073 452	46 937 314
User Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Volume:	306 361 19	342 345 0	208 1073 452	46 937 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	306 361 19	342 345 0	208 1073 452	46 937 0
PCE Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00
FinalVolume:	306 361 19	342 345 0	208 1073 452	46 937 0

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 2.00 1.00	2.00 2.00 1.00	2.00 3.00 1.00	2.00 3.00 1.00
Final Sat.:	2900 2900 1450	2900 2900 1450	2900 4350 1450	2900 4350 1450

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Capacity Analysis Module:

Vol/Sat:	0.11 0.12 0.01	0.12 0.12 0.00	0.07 0.25 0.31	0.02 0.22 0.00
Crit Volume:	181	171	104	312
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #25 Douglas Blvd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.520
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	2	0	3	0	1

Volume Module:

Base Vol:	177	499	250	80	284	37	171	1252	65	93	1019	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	177	499	250	80	284	37	171	1252	65	93	1019	78
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	177	499	250	80	284	37	171	1252	0	93	1019	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	177	499	250	80	284	37	171	1252	0	93	1019	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	177	499	250	80	284	37	171	1252	0	93	1019	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.17	0.17	0.03	0.10	0.03	0.06	0.29	0.00	0.03	0.23	0.00
Crit Volume:	250			40			417			47		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #26 Douglas Blvd & Santa Clara Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.443
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	1	1	0	2	1	0	2

Volume Module:

Base Vol:	25	12	44	42	12	34	75	1625	27	26	1113	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	12	44	42	12	34	75	1625	27	26	1113	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	12	44	42	12	34	75	1625	27	26	1113	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	12	44	42	12	34	75	1625	27	26	1113	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	12	44	42	12	34	75	1625	27	26	1113	25

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.21	0.79	1.00	1.00	1.00	1.00	2.95	0.05	1.00	2.93	0.07
Final Sat.:	1523	326	1196	1523	1523	1523	1523	4493	75	1523	4467	100

Capacity Analysis Module:

Vol/Sat:	0.02	0.04	0.04	0.03	0.01	0.02	0.05	0.36	0.36	0.02	0.25	0.25
Crit Volume:	56			42			551			26		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #27 Douglas Blvd & Sierra Gardens Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.433
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1! 0 0	1 0 1! 0 0	1 0 2 1 0	1 0 2 1 0

Volume Module:

Base Vol:	96	27	24	36	6	9	12	1593	33	19	1123	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	96	27	24	36	6	9	12	1593	33	19	1123	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	96	27	24	36	6	9	12	1593	33	19	1123	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	27	24	36	6	9	12	1593	33	19	1123	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	96	27	24	36	6	9	12	1593	33	19	1123	25

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.30	0.37	0.33	1.41	0.24	0.35	1.00	2.94	0.06	1.00	2.93	0.07
Final Sat.:	1989	559	497	2149	358	537	1523	4475	93	1523	4468	99

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.02	0.02	0.02	0.01	0.36	0.36	0.01	0.25	0.25
Crit Volume:	74			26			542			19		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #28 Douglas Blvd & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.557
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 1 1 0	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	182	311	88	39	239	121	377	1610	200	105	1066	40
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	182	311	88	39	239	121	377	1610	200	105	1066	40
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	182	311	88	39	239	121	377	1610	200	105	1066	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	182	311	88	39	239	121	377	1610	200	105	1066	40
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:	182	311	88	39	239	121	377	1610	200	105	1066	40

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.56	0.44	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2260	640	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.14	0.14	0.01	0.08	0.08	0.13	0.37	0.14	0.04	0.25	0.03
Crit Volume:	200			20			537			53		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #29 Douglas Blvd & Target Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.363
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	2	1	0	2

Volume Module:

Base Vol:	6	4	10	15	2	22	43	1507	30	12	1140	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	4	10	15	2	22	43	1507	30	12	1140	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	4	10	15	2	22	43	1507	30	12	1140	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	4	10	15	2	22	43	1507	30	12	1140	8
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:	6	4	10	15	2	22	43	1507	30	12	1140	8

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.29	0.71	1.00	0.08	0.92	1.00	2.94	0.06	1.00	2.98	0.02
Final Sat.:	1523	435	1088	1523	127	1396	1523	4478	89	1523	4536	32

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.34	0.34	0.01	0.25	0.25
Crit Volume:	14	15					512	12				
Crit Moves:	****	****					****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #30 Douglas Blvd & E Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.688
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 73 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	2	0	2	0	1	2	0

Volume Module:

Base Vol:	133	494	48	602	589	150	83	952	70	37	1226	564
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	133	494	48	602	589	150	83	952	70	37	1226	564
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	133	494	48	602	589	0	83	952	70	37	1226	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	494	48	602	589	0	83	952	70	37	1226	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	133	494	48	602	589	0	83	952	70	37	1226	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1450	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.17	0.03	0.21	0.20	0.00	0.03	0.22	0.05	0.01	0.28	0.00
Crit Volume:	247	301		42			409					
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #31 Douglas Blvd & Folsom Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.367
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	1	1	0 0 1	1	0	1 1 0	1	0	1 1 0

Volume Module:

Base Vol:	3	2	8	269	4	35	30	716	4	19	699	59
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	2	8	269	4	35	30	716	4	19	699	59
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	2	8	269	4	35	30	716	4	19	699	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	2	8	269	4	35	30	716	4	19	699	59
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:	3	2	8	269	4	35	30	716	4	19	699	59

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.23	0.15	0.62	1.97	0.03	1.00	1.00	1.99	0.01	1.00	1.84	0.16
Final Sat.:	351	234	937	3000	45	1523	1523	3028	17	1523	2808	237

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.09	0.09	0.02	0.02	0.24	0.24	0.01	0.25	0.25
Crit Volume:	13			136			30			379		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #32 Douglas Blvd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.517
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ignore			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1 0 1	1	1	0 0 1	1	0	1 1 0	1	0	2 0 1

Volume Module:

Base Vol:	15	12	42	438	8	135	135	902	10	56	725	275
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	15	12	42	438	8	135	135	902	10	56	725	275
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:	15	12	0	438	8	135	135	902	10	56	725	275
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	12	0	438	8	135	135	902	10	56	725	275
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	15	12	0	438	8	135	135	902	10	56	725	275

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.96	0.04	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2848	52	1450	1450	2868	32	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.00	0.15	0.15	0.09	0.09	0.31	0.31	0.04	0.25	0.19
Crit Volume:	15			223			456			56		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #33 Douglas Blvd & Judah St

Cycle (sec):	120	Critical Vol./Cap.(X):	0.316
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Split Phase	Split Phase	Permitted	Permitted
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	0 0 1 1 0	0 0 1 0 1

Volume Module:

Base Vol:	0 0 0	202 0 4	0 255 0	0 296 129
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 0 0	202 0 4	0 255 0	0 296 129
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 0 0	202 0 4	0 255 0	0 296 129
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 0 0	202 0 4	0 255 0	0 296 129
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 0 0	202 0 4	0 255 0	0 296 129

Saturation Flow Module:

Sat/Lane:	1500 1500 1500	1500 1500 1500	1500 1500 1500	1500 1500 1500
Adjustment:	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05
Lanes:	0.00 1.00 0.00	1.00 0.00 1.00	0.00 2.00 0.00	0.00 1.00 1.00
Final Sat.:	0 1575 0	1575 0 1575	0 3150 0	0 1575 1575

Capacity Analysis Module:

Vol/Sat:	0.00 0.00 0.00	0.13 0.00 0.00	0.00 0.08 0.00	0.00 0.19 0.08
Crit Volume:	0	202	0	296
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #34 Douglas Blvd & Keehner Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.310
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	38 0 186	0 0 0	0 590 15	91 149 0
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	38 0 186	0 0 0	0 590 15	91 149 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:	38 0 186	0 0 0	0 590 15	91 149 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	38 0 186	0 0 0	0 590 15	91 149 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:	38 0 186	0 0 0	0 590 15	91 149 0

Saturation Flow Module:

Sat/Lane:	1500 1500 1500	1500 1500 1500	1500 1500 1500	1500 1500 1500
Adjustment:	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05
Lanes:	1.00 0.00 1.00	0.00 0.00 0.00	0.00 1.95 0.05	1.00 2.00 0.00
Final Sat.:	1575 0 1575	0 0 0	0 3072 78	1575 3150 0

Capacity Analysis Module:

Vol/Sat:	0.02 0.00 0.12	0.00 0.00 0.00	0.00 0.19 0.19	0.06 0.05 0.00
Crit Volume:	186	0	303	0
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #35 Douglas Blvd & Park Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.231
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	30	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	1 0 0 1 0	0 0 2 0 1	1 0 2 0 0

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Volume Module:

Base Vol:	12	0	12	92	4	13	0	463	9	4	425	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	12	0	12	92	4	13	0	463	9	4	425	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	12	0	12	92	4	13	0	463	0	4	425	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	0	12	92	4	13	0	463	0	4	425	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	12	0	12	92	4	13	0	463	0	4	425	0

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.50	0.00	0.50	1.00	0.24	0.76	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	761	0	761	1523	358	1164	0	3045	1523	1523	3045	0

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Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.06	0.01	0.01	0.00	0.15	0.00	0.00	0.14	0.00
Crit Volume:	24	92						232			4	
Crit Moves:	****	****					****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #36 Douglas Blvd & Sierra College Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.713
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	80	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Include	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 2 1 0	2 0 3 0 1	2 0 3 0 1

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Volume Module:

Base Vol:	323	769	145	209	779	60	184	970	163	266	1503	165
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	323	769	145	209	779	60	184	970	163	266	1503	165
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	323	769	0	209	779	60	184	970	163	266	1503	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	323	769	0	209	779	60	184	970	163	266	1503	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	323	769	0	209	779	60	184	970	163	266	1503	0

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	2.79	0.21	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4039	311	2900	4350	1450	2900	4350	1450

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Capacity Analysis Module:

Vol/Sat:	0.11	0.18	0.00	0.07	0.19	0.19	0.06	0.22	0.11	0.09	0.35	0.00
Crit Volume:	162					280	92				501	
Crit Moves:	****					****	****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #37 Eureka Rd & Lead Hill Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.333
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	91	499	41	107	864	23	34	95	104	81	94	51
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	91	499	41	107	864	23	34	95	104	81	94	51
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	91	499	0	107	864	0	34	95	0	81	94	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	91	499	0	107	864	0	34	95	0	81	94	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	91	499	0	107	864	0	34	95	0	81	94	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.06	0.11	0.00	0.07	0.19	0.00	0.02	0.03	0.00	0.05	0.03	0.00
Crit Volume:	91			288			48			81		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #38 Eureka Rd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.476
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	137	205	63	112	296	85	173	1478	534	60	642	40
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	137	205	63	112	296	85	173	1478	534	60	642	40
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	137	205	0	112	296	0	173	1478	0	60	642	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	137	205	0	112	296	0	173	1478	0	60	642	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	137	205	0	112	296	0	173	1478	0	60	642	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.00	0.04	0.07	0.00	0.06	0.34	0.00	0.02	0.15	0.00
Crit Volume:	69			99			493			30		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #39 Eureka Rd & Rocky Ridge Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.446
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	41	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	28 536 19	74 1153 189	128 156 5	35 212 60
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	28 536 19	74 1153 189	128 156 5	35 212 60
User Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Volume:	28 536 0	74 1153 0	128 156 0	35 212 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	28 536 0	74 1153 0	128 156 0	35 212 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
FinalVolume:	28 536 0	74 1153 0	128 156 0	35 212 0

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 3.00 1.00	1.00 3.00 1.00	1.00 2.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 4350 1450	1450 4350 1450	1450 2900 1450	1450 2900 1450

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Capacity Analysis Module:

Vol/Sat:	0.02 0.12 0.00	0.05 0.27 0.00	0.09 0.05 0.00	0.02 0.07 0.00
Crit Volume:	28	384	128	106
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #40 Eureka Rd & Ashland Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.221
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

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Volume Module:

Base Vol:	42 3 14	21 17 15	60 271 32	31 326 65
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	42 3 14	21 17 15	60 271 32	31 326 65
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:	42 3 14	21 17 15	60 271 32	31 326 65
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	42 3 14	21 17 15	60 271 32	31 326 65
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:	42 3 14	21 17 15	60 271 32	31 326 65

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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:	0.71 0.05 0.24	0.55 0.45 1.00	1.00 1.79 0.21	1.00 2.00 1.00
Final Sat.:	1032 74 344	801 649 1450	1450 2594 306	1450 2900 1450

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Capacity Analysis Module:

Vol/Sat:	0.04 0.04 0.04	0.03 0.03 0.01	0.04 0.10 0.10	0.02 0.11 0.04
Crit Volume:	59	38	60	163
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #41 Eureka Rd & Deer Valley Apts Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.310
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	8	694	13	25	457	6	26	2	6	28	7	70
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	694	13	25	457	6	26	2	6	28	7	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	694	13	25	457	6	26	2	6	28	7	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	694	13	25	457	6	26	2	6	28	7	70
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:	8	694	13	25	457	6	26	2	6	28	7	70

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.97	0.03	1.00	0.25	0.75	0.80	0.20	1.00
Final Sat.:	1450	2847	53	1450	2862	38	1450	363	1088	1160	290	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.24	0.24	0.02	0.16	0.16	0.02	0.01	0.01	0.02	0.02	0.05
Crit Volume:	354			0			26			70		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #42 Fairway Dr & Central Park Dr/Lowes Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.155
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	33	9	20	32	30	65	35	287	63	40	209	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	33	9	20	32	30	65	35	287	63	40	209	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	33	9	20	32	30	65	35	287	63	40	209	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	33	9	20	32	30	65	35	287	63	40	209	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	33	9	20	32	30	65	35	287	63	40	209	16

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.57	0.43	1.00	1.03	0.97	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2393	653	1523	1572	1473	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.02	0.02	0.04	0.02	0.09	0.04	0.03	0.07	0.01
Crit Volume:	21			31			144			40		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #43 Fairway Dr & Cortina Cir

Cycle (sec): 100 Critical Vol./Cap.(X): 0.166
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	11	229	13	27	327	4	41	0	19	42	0	46
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	229	13	27	327	4	41	0	19	42	0	46
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:	11	229	13	27	327	4	41	0	19	42	0	46
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	229	13	27	327	4	41	0	19	42	0	46
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	11	229	13	27	327	4	41	0	19	42	0	46

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.08	0.01	0.02	0.11	0.00	0.01	0.00	0.01	0.03	0.00	0.03
Crit Volume:	11			164			20					46
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #44 Fairway Dr & Five Star Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.135
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	0	1	0	2	0	1	1

Volume Module:

Base Vol:	70	12	9	15	59	18	35	170	121	6	106	59
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	70	12	9	15	59	18	35	170	121	6	106	59
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	70	12	9	15	59	18	35	170	121	6	106	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	12	9	15	59	18	35	170	121	6	106	59
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:	70	12	9	15	59	18	35	170	121	6	106	59

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.71	0.29	1.00	0.20	0.80	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2599	446	1523	309	1214	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.01	0.05	0.05	0.01	0.02	0.06	0.08	0.00	0.03	0.04
Crit Volume:	41			74			85			6		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #45 Fairway Dr & Home Depot Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.146
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1! 0 0	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	49	12	4	0	9	9	20	297	43	33	164	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	12	4	0	9	9	20	297	43	33	164	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	49	12	4	0	9	9	20	297	43	33	164	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	12	4	0	9	9	20	297	43	33	164	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	49	12	4	0	9	9	20	297	43	33	164	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.51	0.37	0.12	0.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2295	562	187	0	1523	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.00	0.01	0.01	0.01	0.10	0.03	0.02	0.05	0.00
Crit Volume:	32				9			149		33		
Crit Moves:	****				****			****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #46 Fairway Dr & Target Dwy/Rosehall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.210
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	0 0 1! 0 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	32	6	26	8	57	4	2	336	11	49	191	15
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	32	6	26	8	57	4	2	336	11	49	191	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	6	26	8	57	4	2	336	11	49	191	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	6	26	8	57	4	2	336	11	49	191	15
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:	32	6	26	8	57	4	2	336	11	49	191	15

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.68	0.32	1.00	0.11	0.83	0.06	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2442	458	1450	168	1198	84	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.02	0.05	0.05	0.05	0.00	0.12	0.01	0.03	0.07	0.01
Crit Volume:	19					69		168		49		
Crit Moves:	****					****		****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #47 Del Webb Blvd/Village Green Dr & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.323
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	74	207	26	4	558	54	67	11	113	49	0	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	74	207	26	4	558	54	67	11	113	49	0	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	74	207	26	4	558	54	67	11	113	49	0	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	207	26	4	558	54	67	11	113	49	0	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	74	207	26	4	558	54	67	11	113	49	0	14

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.07	0.02	0.00	0.19	0.04	0.05	0.01	0.08	0.03	0.00	0.01
Crit Volume:	74			279			67			49		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #48 Hayden Pkwy North & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.103
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	18	231	0	0	244	0	2	0	33	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	231	0	0	244	0	2	0	33	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:	18	231	0	0	244	0	2	0	33	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	231	0	0	244	0	2	0	33	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	18	231	0	0	244	0	2	0	33	0	0	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:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	1500	1500	1500	0	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.01	0.08	0.00	0.00	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Crit Volume:	0			122			33			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #49 Hayden Pkwy South & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.293
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	2	0	0	2

Volume Module:

Base Vol:	62	457	0	0	526	37	115	0	118	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	62	457	0	0	526	37	115	0	118	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:	62	457	0	0	526	37	115	0	118	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	457	0	0	526	37	115	0	118	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	62	457	0	0	526	37	115	0	118	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	1500	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.04	0.15	0.00	0.00	0.18	0.02	0.08	0.00	0.08	0.00	0.00	0.00
Crit Volume:	62			263			115			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #50 Baseline Rd/Main St & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.663
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 68 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	1	0	3	0	1	1

Volume Module:

Base Vol:	235	724	54	54	1077	92	114	146	544	58	96	55
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	235	724	54	54	1077	92	114	146	544	58	96	55
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	235	724	54	54	1077	0	114	146	544	58	96	55
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	235	724	54	54	1077	0	114	146	544	58	96	55
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	235	724	54	54	1077	0	114	146	544	58	96	55

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.25	0.04	0.04	0.25	0.00	0.08	0.05	0.38	0.04	0.03	0.04
Crit Volume:	0			359			544		58			
Crit Moves:	****			****			****		****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #51 Misty Wood Dr/NEC Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.280
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	9	669	48	20	406	3	23	0	58	4	0	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	669	48	20	406	3	23	0	58	4	0	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	9	669	48	20	406	3	23	0	58	4	0	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	669	48	20	406	3	23	0	58	4	0	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	9	669	48	20	406	3	23	0	58	4	0	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	0.00	1.00	2.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	1450	0	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.23	0.03	0.01	0.09	0.00	0.02	0.00	0.04	0.00	0.00	0.00
Crit Volume:	335			20			58		2			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #52 Albertsons Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.273
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	51	470	14	12	588	89	2	1	4	49	0	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	51	470	14	12	588	89	2	1	4	49	0	6
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	51	470	0	12	588	89	2	1	0	49	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	470	0	12	588	89	2	1	0	49	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	51	470	0	12	588	89	2	1	0	49	0	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.00	1.00	1.33	0.67	1.00	1.00	0.00	1.00
Final Sat.:	1450	4350	1450	1450	2900	1450	1933	967	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.11	0.00	0.01	0.20	0.06	0.00	0.00	0.00	0.03	0.00	0.00
Crit Volume:	51			294			2			49		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #54 Roseville Pkwy/HP Central Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.213
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ignore	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 0	0 0 2 0 1	2 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	50 581 0	0 533 101	6 0 5	0 0 0
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	50 581 0	0 533 101	6 0 5	0 0 0
User Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
PHF Volume:	50 581 0	0 533 0	6 0 0	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	50 581 0	0 533 0	6 0 0	0 0 0
PCE Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
FinalVolume:	50 581 0	0 533 0	6 0 0	0 0 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:	1.00 2.00 0.00	0.00 2.00 1.00	2.00 0.00 1.00	0.00 0.00 0.00
Final Sat.:	1500 3000 0	0 3000 1500	3000 0 1500	0 0 0

Capacity Analysis Module:

Vol/Sat:	0.03 0.19 0.00	0.00 0.18 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Crit Volume:	50	267	3	0
Crit Moves:	****	****	****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #55 HP South Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.187
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 0	0 0 2 0 1	1 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	79 521 0	0 398 136	3 0 5	0 0 0
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	79 521 0	0 398 136	3 0 5	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:	79 521 0	0 398 136	3 0 5	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	79 521 0	0 398 136	3 0 5	0 0 0
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	79 521 0	0 398 136	3 0 5	0 0 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:	1.00 2.00 0.00	0.00 2.00 1.00	1.00 0.00 1.00	0.00 0.00 0.00
Final Sat.:	1500 3000 0	0 3000 1500	1500 0 1500	0 0 0

Capacity Analysis Module:

Vol/Sat:	0.05 0.17 0.00	0.00 0.13 0.09	0.00 0.00 0.00	0.00 0.00 0.00
Crit Volume:	79	199	3	0
Crit Moves:	****	****	****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #56 Junction Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.471
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	54	754	105	112	802	90	169	298	127	171	120	114
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	54	754	105	112	802	90	169	298	127	171	120	114
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	54	754	0	112	802	0	169	298	127	171	120	114
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	754	0	112	802	0	169	298	127	171	120	114
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	54	754	0	112	802	0	169	298	127	171	120	114

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.17	0.00	0.08	0.18	0.00	0.12	0.10	0.09	0.12	0.04	0.08
Crit Volume:	251			112			149			171		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #57 McAnally Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.390
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	78	888	18	11	882	22	106	8	103	92	8	57
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	78	888	18	11	882	22	106	8	103	92	8	57
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:	78	888	18	11	882	22	106	8	103	92	8	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	888	18	11	882	22	106	8	103	92	8	57
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	78	888	18	11	882	22	106	8	103	92	8	57

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.94	0.06	1.00	2.93	0.07	0.93	0.07	1.00	0.92	0.08	1.00
Final Sat.:	1523	4477	91	1523	4456	111	1416	107	1523	1401	122	1523

Capacity Analysis Module:

Vol/Sat:	0.05	0.20	0.20	0.01	0.20	0.20	0.07	0.07	0.07	0.07	0.07	0.04
Crit Volume:	78			301			114			100		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #58 Pleasant Grove Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.549
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	137	421	548	123	320	65	157	1163	156	408	592	165
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	137	421	548	123	320	65	157	1163	156	408	592	165
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	137	421	0	123	320	0	157	1163	0	408	592	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	137	421	0	123	320	0	157	1163	0	408	592	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	137	421	0	123	320	0	157	1163	0	408	592	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	3.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	4350	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.00	0.04	0.07	0.00	0.05	0.27	0.00	0.09	0.20	0.00
Crit Volume:	211			62			388			136		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #59 Rand Way/Pilgrims Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.342
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	2	1	0	2	0	0	1

Volume Module:

Base Vol:	14	898	0	4	1116	9	39	2	40	30	2	18
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	898	0	4	1116	9	39	2	40	30	2	18
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:	14	898	0	4	1116	9	39	2	40	30	2	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	898	0	4	1116	9	39	2	40	30	2	18
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:	14	898	0	4	1116	9	39	2	40	30	2	18

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	0.00	1.00	2.98	0.02	0.48	0.02	0.50	0.60	0.04	0.36
Final Sat.:	1523	4568	0	1523	4531	37	733	38	752	914	61	548

Capacity Analysis Module:

Vol/Sat:	0.01	0.20	0.00	0.00	0.25	0.25	0.05	0.05	0.05	0.03	0.03	0.03
Crit Volume:	14			375			81			50		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #60 Vineyard Rd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.534
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	78	889	44	91	1547	24	77	83	130	110	95	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	78	889	44	91	1547	24	77	83	130	110	95	37
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	78	889	0	91	1547	24	77	83	130	110	95	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	889	0	91	1547	24	77	83	130	110	95	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	78	889	0	91	1547	24	77	83	130	110	95	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.95	0.05	1.00	2.00	1.00	2.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4284	66	1450	2900	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.20	0.00	0.06	0.36	0.36	0.05	0.03	0.09	0.04	0.07	0.00
Crit Volume:	78			524			77			95		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #61 Antelope Creek Dr & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.314
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	0	2	1	1	0	1	0

Volume Module:

Base Vol:	12	866	42	147	1294	34	23	5	7	32	7	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	12	866	42	147	1294	34	23	5	7	32	7	78
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	12	866	0	147	1294	34	23	5	0	32	7	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	866	0	147	1294	34	23	5	0	32	7	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	12	866	0	147	1294	34	23	5	0	32	7	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	3.00	1.00	1.00	3.00	1.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	4350	1450	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.20	0.00	0.05	0.30	0.02	0.01	0.00	0.00	0.01	0.00	0.00
Crit Volume:	6			431			8			11		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #62 Berry St & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.496
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	105	523	2	18	1045	118	83	0	162	7	2	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	105	523	2	18	1045	118	83	0	162	7	2	3
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:	105	523	2	18	1045	118	83	0	162	7	2	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	105	523	2	18	1045	118	83	0	162	7	2	3
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:	105	523	2	18	1045	118	83	0	162	7	2	3

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.99	0.01	1.00	2.00	1.00	1.00	0.00	1.00	0.78	0.22	1.00
Final Sat.:	1450	2889	11	1450	2900	1450	1450	0	1450	1128	322	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.18	0.18	0.01	0.36	0.08	0.06	0.00	0.11	0.01	0.01	0.00
Crit Volume:	105			522			83			9		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #63 Roseville Pkwy & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.543
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1		3	0	2	0	1	

Volume Module:

Base Vol:	164	294	43	623	571	132	141	1136	576	81	678	522
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	164	294	43	623	571	132	141	1136	576	81	678	522
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	164	294	0	623	571	0	141	1136	0	81	678	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	164	294	0	623	571	0	141	1136	0	81	678	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	164	294	0	623	571	0	141	1136	0	81	678	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	3.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	4350	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.07	0.00	0.14	0.20	0.00	0.05	0.26	0.00	0.03	0.16	0.00
Crit Volume:	82			286			379			41		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #64 Wills Rd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.496
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	1	0	2	1	1	0	0	1	0

Volume Module:

Base Vol:	160	489	1	1	973	252	145	4	227	1	4	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	160	489	1	1	973	252	145	4	227	1	4	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	160	489	1	1	973	252	145	4	227	1	4	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	160	489	1	1	973	252	145	4	227	1	4	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	160	489	1	1	973	252	145	4	227	1	4	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.99	0.01	1.00	2.00	1.00	1.95	0.05	1.00	0.20	0.80	1.00
Final Sat.:	2900	2894	6	1450	2900	1450	2822	78	1450	290	1160	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.17	0.17	0.00	0.34	0.17	0.05	0.05	0.16	0.00	0.00	0.00
Crit Volume:	0			487					227	5		
Crit Moves:	****			****			****		****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #65 Estates Dr & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.346
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	0	1	0

Volume Module:

Base Vol:	24	363	0	40	487	72	265	6	28	34	14	33
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	363	0	40	487	72	265	6	28	34	14	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	363	0	40	487	72	265	6	28	34	14	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	363	0	40	487	72	265	6	28	34	14	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	24	363	0	40	487	72	265	6	28	34	14	33

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.00	1.00	1.74	0.26	1.77	0.04	0.19	0.71	0.29	1.00
Final Sat.:	1450	2900	0	1450	2526	374	2570	58	272	1027	423	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.13	0.00	0.03	0.19	0.19	0.10	0.10	0.10	0.03	0.03	0.02
Crit Volume:	24			280		150				48		
Crit Moves:	****			****		****	****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #66 Lead Hill Blvd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.370
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	1	2	0	2	0	0	1

Volume Module:

Base Vol:	0	356	238	586	492	0	0	0	0	168	0	308
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	356	238	586	492	0	0	0	0	168	0	308
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	356	238	586	492	0	0	0	0	168	0	308
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	356	238	586	492	0	0	0	0	168	0	308
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	356	238	586	492	0	0	0	0	168	0	308

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	2.00	1.00	2.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	3000	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.12	0.16	0.20	0.16	0.00	0.00	0.00	0.00	0.06	0.00	0.21
Crit Volume:	178			293			0			84		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #67 Roseville Square Dwy & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.268
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	28	389	8	15	501	27	47	6	22	41	3	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	389	8	15	501	27	47	6	22	41	3	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	28	389	8	15	501	27	47	6	22	41	3	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	389	8	15	501	27	47	6	22	41	3	8
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:	28	389	8	15	501	27	47	6	22	41	3	8

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.90	0.10	0.89	0.11	1.00	0.93	0.07	1.00
Final Sat.:	1450	2842	58	1450	2752	148	1286	164	1450	1351	99	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.14	0.14	0.01	0.18	0.18	0.04	0.04	0.02	0.03	0.03	0.01
Crit Volume:	28			264			53			44		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #68 Junction Blvd & Stonecrest Dr/Magenta Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.240
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	9	40	10	125	11	84	50	113	4	4	226	99
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	40	10	125	11	84	50	113	4	4	226	99
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:	9	40	10	125	11	84	50	113	4	4	226	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	40	10	125	11	84	50	113	4	4	226	99
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:	9	40	10	125	11	84	50	113	4	4	226	99

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.18	0.82	1.00	0.92	0.08	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	266	1184	1450	1333	117	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.01	0.09	0.09	0.06	0.03	0.04	0.00	0.00	0.08	0.07
Crit Volume:	49			136			50				113	
Crit Moves:	****			****			****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #69 Junction Blvd & Americana Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.348
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 1	0 0 1 0 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	117	0	74	0	2	0	0	600	56	57	210	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	117	0	74	0	2	0	0	600	56	57	210	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:	117	0	74	0	2	0	0	600	56	57	210	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	117	0	74	0	2	0	0	600	56	57	210	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:	117	0	74	0	2	0	0	600	56	57	210	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	0.00	1.00	0.00	0.00	1.83	0.17	1.00	2.00	0.00
Final Sat.:	1450	0	1450	0	1450	0	0	2652	248	1450	2900	0

Capacity Analysis Module:

Vol/Sat:	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.23	0.23	0.04	0.07	0.00
Crit Volume:	117			2				328		57		
Crit Moves:	****			****				****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #70 Baseline Rd & Junction Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.289
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	2	1	0	1	0	0	1

Volume Module:

Base Vol:	0	0	0	124	0	290	85	310	0	0	437	73
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	124	0	290	85	310	0	0	437	73
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	0	0	124	0	290	85	310	0	0	437	73
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	124	0	290	85	310	0	0	437	73
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	0	0	0	124	0	290	85	310	0	0	437	73

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	0.00	1.00	0.00	2.00	1.00	1.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	3000	1500	1500	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.08	0.00	0.10	0.06	0.21	0.00	0.00	0.15	0.05
Crit Volume:	0			124			310		0			
Crit Moves:				****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #71 Junction Blvd & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.406
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	22	139	30	172	133	100	131	342	18	17	205	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	139	30	172	133	100	131	342	18	17	205	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	139	30	172	133	100	131	342	18	17	205	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	139	30	172	133	100	131	342	18	17	205	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	139	30	172	133	100	131	342	18	17	205	27

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.82	0.18	1.00	0.57	0.43	1.00	1.90	0.10	1.00	1.77	0.23
Final Sat.:	1450	1193	257	1450	828	622	1450	2755	145	1450	2563	338

Capacity Analysis Module:

Vol/Sat:	0.02	0.12	0.12	0.12	0.16	0.16	0.09	0.12	0.12	0.01	0.08	0.08
Crit Volume:	169			172			131			116		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #72 Junction Blvd & Park Regency Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.301
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 0 1	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	12 92 91	119 49 19	41 302 12	74 341 58
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	12 92 91	119 49 19	41 302 12	74 341 58
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	12 92 91	119 49 19	41 302 12	74 341 58
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	12 92 91	119 49 19	41 302 12	74 341 58
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	12 92 91	119 49 19	41 302 12	74 341 58

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 1.00 1.00	1.00 1.00 1.00	1.00 2.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 1450 1450	1450 1450 1450	1450 2900 1450	1450 2900 1450

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Capacity Analysis Module:

Vol/Sat:	0.01 0.06 0.06	0.08 0.03 0.01	0.03 0.10 0.01	0.05 0.12 0.04
Crit Volume:	92	119	151	74
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #73 Junction Blvd & Porter Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.304
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 1	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	21 10 107	34 19 23	7 544 18	46 281 4
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	21 10 107	34 19 23	7 544 18	46 281 4
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	21 10 107	34 19 23	7 544 18	46 281 4
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	21 10 107	34 19 23	7 544 18	46 281 4
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	21 10 107	34 19 23	7 544 18	46 281 4

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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:	0.68 0.32 1.00	0.64 0.36 1.00	1.00 1.94 0.06	1.00 1.97 0.03
Final Sat.:	982 468 1450	930 520 1450	1450 2807 93	1450 2859 41

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Capacity Analysis Module:

Vol/Sat:	0.02 0.02 0.07	0.04 0.04 0.02	0.00 0.19 0.19	0.03 0.10 0.10
Crit Volume:	107	53	281	0
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #74 Junction Blvd & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.244
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	85	0	85	6	563	0	0	250	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	85	0	85	6	563	0	0	250	17
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	85	0	85	6	563	0	0	250	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	85	0	85	6	563	0	0	250	17
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	85	0	85	6	563	0	0	250	17

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.87	0.13
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2809	191

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.06	0.00	0.19	0.00	0.00	0.09	0.09
Crit Volume:	0	85	282	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #75 Junction Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.323
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 1 1 0	1 0 2 0 1	1 1 0 0 1	1 0 0 1 0

Volume Module:

Base Vol:	155	375	0	3	555	141	222	0	491	0	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	155	375	0	3	555	141	222	0	491	0	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	155	375	0	3	555	141	222	0	491	0	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	375	0	3	555	141	222	0	491	0	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	155	375	0	3	555	141	222	0	491	0	1	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	2.00	1.00	2.00	0.00	1.00	1.00	0.50	0.50
Final Sat.:	2900	2900	0	1450	2900	1450	2900	0	1450	1450	725	725

Capacity Analysis Module:

Vol/Sat:	0.05	0.13	0.00	0.00	0.19	0.10	0.08	0.00	0.00	0.00	0.00	0.00
Crit Volume:	78	278	111	2	2	2	2	2	2	2	2	2
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #76 Junction Blvd & Woodcreek Oaks Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.294
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1

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Volume Module:

Base Vol:	39	182	102	313	249	54	27	234	60	125	249	197
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	182	102	313	249	54	27	234	60	125	249	197
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	39	182	0	313	249	0	27	234	0	125	249	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	182	0	313	249	0	27	234	0	125	249	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	39	182	0	313	249	0	27	234	0	125	249	0

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.01	0.06	0.00	0.11	0.09	0.00	0.01	0.08	0.00	0.04	0.09	0.00
Crit Volume:	91	157		117	63							
Crit Moves:	****	****		****	****							

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #77 Lead Hill Blvd & N. Sunrise Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.386
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	37	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 1 0	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	171	339	50	73	241	55	83	461	251	38	209	63
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	171	339	50	73	241	55	83	461	251	38	209	63
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	171	339	50	73	241	55	83	461	251	38	209	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	171	339	50	73	241	55	83	461	251	38	209	63
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	171	339	50	73	241	55	83	461	251	38	209	63

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.74	0.26	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2527	373	1450	2900	1450	1450	2900	1450	1450	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.12	0.13	0.13	0.05	0.08	0.04	0.06	0.16	0.17	0.03	0.07	0.04
Crit Volume:	171	121	231							38		
Crit Moves:	****	****	****							****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #78 Lead Hill Blvd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.362
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	251	306	53	6	325	52	41	177	222	23	129	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	251	306	53	6	325	52	41	177	222	23	129	3
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	251	306	0	6	325	0	41	177	0	23	129	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	251	306	0	6	325	0	41	177	0	23	129	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	251	306	0	6	325	0	41	177	0	23	129	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.11	0.00	0.00	0.11	0.00	0.03	0.06	0.00	0.02	0.04	0.00
Crit Volume:	251			163			89			23		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #79 Lead Hill Blvd & Wal-Mart Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.187
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	1	1	0	0	2	0	1	1

Volume Module:

Base Vol:	28	0	12	0	0	0	0	429	51	38	394	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	0	12	0	0	0	0	429	51	38	394	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:	28	0	12	0	0	0	0	429	51	38	394	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	0	12	0	0	0	0	429	51	38	394	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:	28	0	12	0	0	0	0	429	51	38	394	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.14	0.03	0.03	0.13	0.00
Crit Volume:	28			0			214			38		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #80 N. Sunrise Ave & Automall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.286
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	3	1	1	0	0	1	0

Volume Module:

Base Vol:	27	100	13	294	292	75	92	3	16	32	4	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	27	100	13	294	292	75	92	3	16	32	4	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	27	100	13	294	292	75	92	3	16	32	4	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	100	13	294	292	75	92	3	16	32	4	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	27	100	13	294	292	75	92	3	16	32	4	16

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.65	0.35	1.00	3.00	1.00	1.94	0.06	1.00	0.89	0.11	1.00
Final Sat.:	1450	3850	500	1450	4350	1450	2808	92	1450	1289	161	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.03	0.03	0.20	0.07	0.05	0.03	0.03	0.01	0.02	0.02	0.01
Crit Volume:	38	294		48	36							
Crit Moves:	****	****		****	****							

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #81 Stone Point Dr & N. Sunrise Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.117
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	0	0	0	0	0	0	1

Volume Module:

Base Vol:	0	378	14	48	493	0	0	0	0	4	0	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	378	14	48	493	0	0	0	0	4	0	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	378	14	48	493	0	0	0	0	4	0	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	378	14	48	493	0	0	0	0	4	0	6
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	378	14	48	493	0	0	0	0	4	0	6

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	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.08	0.01	0.03	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	126	48		0	2							
Crit Moves:	****	****			****							

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #82 Sierra Gardens Dr & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.289
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	25	547	39	103	345	13	4	0	2	18	1	76
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	547	39	103	345	13	4	0	2	18	1	76
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	547	39	103	345	13	4	0	2	18	1	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	547	39	103	345	13	4	0	2	18	1	76
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	547	39	103	345	13	4	0	2	18	1	76

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.87	0.13	1.00	2.00	1.00	1.00	0.00	1.00	0.95	0.05	1.00
Final Sat.:	1450	2707	193	1450	2900	1450	1450	0	1450	1374	76	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.20	0.20	0.07	0.12	0.01	0.00	0.00	0.00	0.01	0.01	0.05
Crit Volume:	293	103					4			19		
Crit Moves:	****	****		****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #83 Olympus Dr & Europa St

Cycle (sec): 100 Critical Vol./Cap.(X): 0.175
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	36	3	36	10	0	8	4	204	16	51	213	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	3	36	10	0	8	4	204	16	51	213	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	3	36	10	0	8	4	204	16	51	213	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	3	36	10	0	8	4	204	16	51	213	6
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:	36	3	36	10	0	8	4	204	16	51	213	6

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.48	0.04	0.48	0.56	0.00	0.44	1.00	1.85	0.15	1.00	1.95	0.05
Final Sat.:	696	58	696	806	0	644	1450	2689	211	1450	2821	79

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.01	0.00	0.01	0.00	0.08	0.08	0.04	0.08	0.08
Crit Volume:	75			18			110			51		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #84 PFE Rd & Hilltop Cir

Cycle (sec): 100 Critical Vol./Cap.(X): 0.414
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	0	1	0	0

Volume Module:

Base Vol:	18	0	39	37	0	7	28	472	10	43	232	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	0	39	37	0	7	28	472	10	43	232	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	18	0	39	37	0	7	28	472	10	43	232	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	0	39	37	0	7	28	472	10	43	232	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	18	0	39	37	0	7	28	472	10	43	232	12

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.00	1.00	1.00	0.98	0.02	1.00	0.95	0.05
Final Sat.:	1450	0	1450	1450	0	1450	1450	1420	30	1450	1379	71

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.03	0.03	0.00	0.00	0.02	0.33	0.33	0.03	0.17	0.17
Crit Volume:	39	37		37			482		43			
Crit Moves:	****	****		****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #85 Fairway Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.448
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1		2	0	3	0	1	

Volume Module:

Base Vol:	207	517	229	69	810	55	69	137	272	216	90	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	207	517	229	69	810	55	69	137	272	216	90	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:	207	517	229	69	810	55	69	137	272	216	90	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	207	517	229	69	810	55	69	137	272	216	90	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:	207	517	229	69	810	55	69	137	272	216	90	23

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.12	0.16	0.02	0.19	0.04	0.02	0.05	0.19	0.07	0.03	0.02
Crit Volume:	0			270			272		108			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #86 Pleasant Grove Blvd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.428
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	122	442	351	113	668	9	17	240	266	435	89	68
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	122	442	351	113	668	9	17	240	266	435	89	68
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	122	442	0	113	668	0	17	240	0	435	89	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	122	442	0	113	668	0	17	240	0	435	89	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	122	442	0	113	668	0	17	240	0	435	89	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.10	0.00	0.04	0.15	0.00	0.01	0.08	0.00	0.15	0.03	0.00
Crit Volume:	61			223			120			217		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #87 Pleasant Grove Blvd & Gold Coast Dr/Hallissy Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.488
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	3	0	1	1

Volume Module:

Base Vol:	61	51	44	97	6	37	20	1569	10	36	1017	61
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	61	51	44	97	6	37	20	1569	10	36	1017	61
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	61	51	0	97	6	0	20	1569	0	36	1017	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	61	51	0	97	6	0	20	1569	0	36	1017	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	61	51	0	97	6	0	20	1569	0	36	1017	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.00	0.07	0.00	0.00	0.01	0.36	0.00	0.02	0.23	0.00
Crit Volume:	51			97			523			36		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #88 Highland Park Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.417
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	0	1	0	1

Volume Module:

Base Vol:	22	374	140	64	837	2	9	24	58	82	16	38
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	374	140	64	837	2	9	24	58	82	16	38
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:	22	374	140	64	837	2	9	24	58	82	16	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	374	140	64	837	2	9	24	58	82	16	38
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	374	140	64	837	2	9	24	58	82	16	38

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.00	1.00	1.00	0.29	0.71	1.00	0.30	0.70
Final Sat.:	1450	4350	1450	1450	2900	1450	1450	424	1026	1450	430	1020

Capacity Analysis Module:

Vol/Sat:	0.02	0.09	0.10	0.04	0.29	0.00	0.01	0.06	0.06	0.06	0.04	0.04
Crit Volume:	22			418			82		82			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #89 Market St & Pleasant Grove Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.187
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	1	0	2	0	1	1

Volume Module:

Base Vol:	12	0	96	27	71	54	1	39	0	40	66	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	12	0	96	27	71	54	1	39	0	40	66	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	12	0	96	27	71	54	1	39	0	40	66	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	0	96	27	71	54	1	39	0	40	66	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	12	0	96	27	71	54	1	39	0	40	66	58

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	0.18	0.47	0.35	1.00	2.00	1.00	1.00	1.06	0.94
Final Sat.:	1450	0	1450	258	677	515	1450	2900	1450	1450	1544	1356

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.07	0.10	0.10	0.10	0.00	0.01	0.00	0.03	0.04	0.04
Crit Volume:	96			152			1			62		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.345
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0	1 0 0 0	1 0 2 0	0 0 1 1

Volume Module:

Base Vol:	0	0	0	112	0	50	9	812	0	0	539	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	112	0	50	9	812	0	0	539	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	112	0	50	9	812	0	0	539	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	112	0	50	9	812	0	0	539	24
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	112	0	50	9	812	0	0	539	24

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.91	0.09
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2872	128

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.07	0.00	0.03	0.01	0.27	0.00	0.00	0.19	0.19
Crit Volume:	0	112	406	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #91 Pleasant Grove Blvd & Monument Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.262
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 0	0 1 0 0	1 0 1 1	1 0 2 0

Volume Module:

Base Vol:	20	9	38	48	3	1	0	323	7	97	171	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	9	38	48	3	1	0	323	7	97	171	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	9	38	48	3	1	0	323	7	97	171	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	9	38	48	3	1	0	323	7	97	171	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	20	9	38	48	3	1	0	323	7	97	171	39

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.30	0.13	0.57	0.94	0.06	1.00	1.00	1.96	0.04	1.00	2.00	1.00
Final Sat.:	433	195	822	1365	85	1450	1450	2838	62	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.04	0.04	0.00	0.00	0.11	0.11	0.07	0.06	0.03
Crit Volume:	67	51	165	97	165	97	165	97	165	97	165	97
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #92 Pleasant Grove Blvd & Rose Creek Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.302
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0	0 0 1 0	1 0 2 0	0 0 1 1

Volume Module:

Base Vol:	0	0	0	57	0	12	4	768	0	0	583	18
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	57	0	12	4	768	0	0	583	18
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	57	0	12	4	768	0	0	583	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	57	0	12	4	768	0	0	583	18
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	57	0	12	4	768	0	0	583	18

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	0.00	0.83	0.00	0.17	1.00	2.00	0.00	0.00	1.94	0.06
Final Sat.:	0	0	0	1239	0	261	1500	3000	0	0	2910	90

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.26	0.00	0.00	0.20	0.20
Crit Volume:	0			69			384		0			
Crit Moves:				****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #93 Pleasant Grove Blvd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.699
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	3 0 2 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	512	246	323	129	379	23	25	939	702	807	742	82
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	512	246	323	129	379	23	25	939	702	807	742	82
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	512	246	0	129	379	0	25	939	0	807	742	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	512	246	0	129	379	0	25	939	0	807	742	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	512	246	0	129	379	0	25	939	0	807	742	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	3.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.08	0.00	0.04	0.09	0.00	0.01	0.22	0.00	0.28	0.17	0.00
Crit Volume:	171			126			313		404			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #94 Pleasant Grove Blvd & Sun City Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.282
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ovl Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 1 0 2 0 0 1

Volume Module:
Base Vol: 0 0 0 69 0 19 13 708 0 0 530 46
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 69 0 19 13 708 0 0 530 46
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 69 0 19 13 708 0 0 530 46
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 69 0 19 13 708 0 0 530 46
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 0 0 0 69 0 19 13 708 0 0 530 46

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 0.00 1.00 0.00 1.00 1.00 2.00 0.00 0.00 2.00 1.00
Final Sat.: 0 0 0 1500 0 1500 1500 3000 0 0 3000 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.05 0.00 0.01 0.01 0.24 0.00 0.00 0.18 0.03
Crit Volume: 0 69 354 0
Crit Moves: **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #95 Highland Pointe Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.427
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 3 1 0 2 0 3 0 1 2 0 1 0 1

Volume Module:
Base Vol: 142 1186 10 171 1330 99 166 1 126 46 22 38
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 142 1186 10 171 1330 99 166 1 126 46 22 38
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: 142 1186 10 171 1330 99 166 1 126 46 22 38
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 142 1186 10 171 1330 99 166 1 126 46 22 38
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: 142 1186 10 171 1330 99 166 1 126 46 22 38

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 3.97 0.03 2.00 3.00 1.00 2.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 2900 5752 48 2900 4350 1450 2900 1450 1450 1450 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.05 0.21 0.21 0.06 0.31 0.07 0.06 0.00 0.09 0.03 0.02 0.03
Crit Volume: 71 443 83 22
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #96 Pleasant Grove Blvd & Washington Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.534
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ovl	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

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Volume Module:

Base Vol:	151 333 253	51 320 164	167 1308 193	207 892 60
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	151 333 253	51 320 164	167 1308 193	207 892 60
User Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Volume:	151 333 0	51 320 164	167 1308 193	207 892 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	151 333 0	51 320 164	167 1308 193	207 892 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
FinalVolume:	151 333 0	51 320 164	167 1308 193	207 892 0

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 2.00 1.00	2.00 2.00 1.00	2.00 3.00 1.00	2.00 3.00 1.00
Final Sat.:	2900 2900 1450	2900 2900 1450	2900 4350 1450	2900 4350 1450

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Capacity Analysis Module:

Vol/Sat:	0.05 0.11 0.00	0.02 0.11 0.11	0.06 0.30 0.13	0.07 0.21 0.00
Crit Volume:	76	160	436	104
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #97 Pleasant Grove Blvd & Country Club Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.556
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 1 1 0	1 0 2 0 0

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Volume Module:

Base Vol:	57 0 240	0 0 0	0 1242 30	115 716 0
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	57 0 240	0 0 0	0 1242 30	115 716 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 0 240	0 0 0	0 1242 30	115 716 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	57 0 240	0 0 0	0 1242 30	115 716 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:	57 0 240	0 0 0	0 1242 30	115 716 0

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Saturation Flow Module:

Sat/Lane:	1500 1500 1500	1500 1500 1500	1500 1500 1500	1500 1500 1500
Adjustment:	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05
Lanes:	1.00 0.00 1.00	0.00 0.00 0.00	0.00 1.95 0.05	1.00 2.00 0.00
Final Sat.:	1575 0 1575	0 0 0	0 3076 74	1575 3150 0

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Capacity Analysis Module:

Vol/Sat:	0.04 0.00 0.15	0.00 0.00 0.00	0.00 0.40 0.40	0.07 0.23 0.00
Crit Volume:	240	0	636	0
Crit Moves:	****		****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #98 Pleasant Grove Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.491
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	2	0	2	0	1	1

Volume Module:

Base Vol:	102	235	251	279	326	197	29	740	168	171	486	166
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	102	235	251	279	326	197	29	740	168	171	486	166
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	102	235	0	279	326	0	29	740	0	171	486	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	102	235	0	279	326	0	29	740	0	171	486	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	102	235	0	279	326	0	29	740	0	171	486	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.08	0.00	0.10	0.11	0.00	0.01	0.26	0.00	0.06	0.17	0.00
Crit Volume:	118			140			370			86		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #99 Maidu Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.358
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	1	0	0	0	1	0	0	1

Volume Module:

Base Vol:	4	951	30	15	397	6	13	4	6	8	0	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	951	30	15	397	6	13	4	6	8	0	10
User Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
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:	4	999	32	16	417	6	14	4	6	8	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	999	32	16	417	6	14	4	6	8	0	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	4	999	32	16	417	6	14	4	6	8	0	11

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.94	0.06	1.00	1.97	0.03	0.57	0.17	0.26	1.00	0.00	1.00
Final Sat.:	1575	3054	96	1575	3103	47	890	274	411	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.33	0.33	0.01	0.13	0.13	0.02	0.02	0.02	0.01	0.00	0.01
Crit Volume:	515			16			24			8		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #100 McLaren Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.341
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	1	0	2	0	0	0	0	1	0

Volume Module:

Base Vol:	0	906	19	29	397	0	0	0	0	45	0	76
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	906	19	29	397	0	0	0	0	45	0	76
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	906	19	29	397	0	0	0	0	45	0	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	906	19	29	397	0	0	0	0	45	0	76
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	906	19	29	397	0	0	0	0	45	0	76

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	1.96	0.04	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3085	65	1575	3150	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.29	0.29	0.02	0.13	0.00	0.00	0.00	0.00	0.03	0.00	0.05
Crit Volume:	463	29					0	45				
Crit Moves:	****	****					****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #101 Professional Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.425
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	17	960	25	70	360	2	8	34	44	35	7	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	960	25	70	360	2	8	34	44	35	7	19
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	17	960	25	70	360	0	8	34	44	35	7	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	960	25	70	360	0	8	34	44	35	7	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	17	960	25	70	360	0	8	34	44	35	7	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.95	0.05	1.00	2.00	1.00	0.19	0.81	1.00	0.83	0.17	1.00
Final Sat.:	1523	2968	77	1523	3045	1523	290	1233	1523	1269	254	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.32	0.32	0.05	0.12	0.00	0.03	0.03	0.03	0.03	0.03	0.00
Crit Volume:	493	70					42			42		
Crit Moves:	****	****					****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #102 Rocky Ridge Dr & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.116
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	1 0 2 0 1

Volume Module:

Base Vol:	0	0	0	5	0	4	20	172	0	0	297	22
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	5	0	4	20	172	0	0	297	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	5	0	4	20	172	0	0	297	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	5	0	4	20	172	0	0	297	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	5	0	4	20	172	0	0	297	22

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.10	0.01
Crit Volume:	0	5	20	149								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #103 Roseville Pkwy & Chase Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.429
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Include	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	38	0	136	0	0	0	0	1701	63	70	713	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	38	0	136	0	0	0	0	1701	63	70	713	0
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:	38	0	0	0	0	0	0	1701	63	70	713	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	38	0	0	0	0	0	0	1701	63	70	713	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	38	0	0	0	0	0	0	1701	63	70	713	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	4725	1575	1575	4725	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.04	0.04	0.15	0.00
Crit Volume:	38	0	567	70								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #104 Roseville Pkwy & Creekside Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.407
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0 0 1	1	1	0 0 1	1	0	3 0 1	1	0	3 0 1

Volume Module:

Base Vol:	5	1	3	64	0	32	66	1710	2	14	1272	282
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	1	3	64	0	32	66	1710	2	14	1272	282
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:	5	1	3	64	0	32	66	1710	2	14	1272	282
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	1	3	64	0	32	66	1710	2	14	1272	282
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:	5	1	3	64	0	32	66	1710	2	14	1272	282

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.67	0.33	1.00	2.00	0.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	2538	508	1523	3045	0	1523	1523	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.02	0.04	0.37	0.00	0.01	0.28	0.19
Crit Volume:	3			32			570			14		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #105 Roseville Pkwy & Gibson Dr East

Cycle (sec): 120 Critical Vol./Cap.(X): 0.467
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0 1 0	2	1	0 0 1	1	0	3 0 1	1	0	3 0 1

Volume Module:

Base Vol:	3	0	22	207	2	21	10	1819	0	13	766	165
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	0	22	207	2	21	10	1819	0	13	766	165
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	3	0	22	207	2	0	10	1819	0	13	766	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	0	22	207	2	0	10	1819	0	13	766	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	3	0	22	207	2	0	10	1819	0	13	766	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	2.97	0.03	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1523	0	1523	4524	44	1523	1523	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.05	0.05	0.00	0.01	0.40	0.00	0.01	0.17	0.00
Crit Volume:	22			70			606			13		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #106 Roseville Pkwy & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.622
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 60 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	3	0	1	0	1	0	2	0	3	0	1	2

Volume Module:

Base Vol:	146	196	96	24	59	130	314	1771	266	184	1298	53
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	146	196	96	24	59	130	314	1771	266	184	1298	53
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	146	196	0	24	59	130	314	1771	0	184	1298	53
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	146	196	0	24	59	130	314	1771	0	184	1298	53
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	146	196	0	24	59	130	314	1771	0	184	1298	53

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	4350	1450	1450	1450	1450	2900	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.14	0.00	0.02	0.04	0.04	0.11	0.41	0.00	0.06	0.30	0.04
Crit Volume:	196			24			590			92		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #107 Roseville Pkwy & Reserve Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.504
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	1	2	0	3	0	1	2

Volume Module:

Base Vol:	146	13	109	13	3	4	10	1748	297	122	824	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	146	13	109	13	3	4	10	1748	297	122	824	27
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	146	13	109	13	3	0	10	1748	297	122	824	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	146	13	109	13	3	0	10	1748	297	122	824	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	146	13	109	13	3	0	10	1748	297	122	824	27

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.84	0.16	1.00	1.62	0.38	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2663	237	1450	2356	544	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.08	0.01	0.01	0.00	0.00	0.40	0.20	0.04	0.19	0.02
Crit Volume:	80			8			583			61		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #108 Roseville Pkwy & Secret Ravine Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.422
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	1	2	0	2	1	0	3

Volume Module:

Base Vol:	2	0	0	111	0	553	326	1534	4	15	1078	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	0	0	111	0	553	326	1534	4	15	1078	101
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:	2	0	0	111	0	553	326	1534	4	15	1078	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	0	111	0	553	326	1534	4	15	1078	101
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:	2	0	0	111	0	553	326	1534	4	15	1078	101

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.00	1.00	2.00	0.00	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1523	1523	1523	3045	0	3045	3045	4556	12	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.18	0.11	0.34	0.34	0.01	0.24	0.07
Crit Volume:	2			277			513	15				
Crit Moves:	****			****			****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #109 Roseville Pkwy & Taylor Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.691
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 74 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	1	2

Volume Module:

Base Vol:	325	112	202	524	118	69	78	1601	98	300	1160	169
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	325	112	202	524	118	69	78	1601	98	300	1160	169
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:	325	112	202	524	118	69	78	1601	98	300	1160	169
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	325	112	202	524	118	69	78	1601	98	300	1160	169
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:	325	112	202	524	118	69	78	1601	98	300	1160	169

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.04	0.14	0.18	0.04	0.05	0.03	0.37	0.07	0.10	0.27	0.12
Crit Volume:	56			262			534	150				
Crit Moves:	****			****			****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #110 West Mall Dwy & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.474
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	2	0	3	0	1	0

Volume Module:

Base Vol:	40	1	40	11	0	11	45	1997	6	9	917	41
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	1	40	11	0	11	45	1997	6	9	917	41
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	1	40	11	0	0	45	1997	6	9	917	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	1	40	11	0	0	45	1997	6	9	917	41
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	40	1	40	11	0	0	45	1997	6	9	917	41

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.98	0.02	1.00	2.00	0.00	1.00	2.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1485	37	1523	3045	0	1523	3045	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.00	0.00	0.00	0.01	0.44	0.00	0.01	0.20	0.03
Crit Volume:	41			6			666			9		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #111 Alexandra Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.407
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	1	0	3	0	0	0	1

Volume Module:

Base Vol:	0	1026	64	61	1563	0	0	0	0	120	0	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1026	64	61	1563	0	0	0	0	120	0	100
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	1026	64	61	1563	0	0	0	0	120	0	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1026	64	61	1563	0	0	0	0	120	0	100
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	1026	64	61	1563	0	0	0	0	120	0	100

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	4725	1575	1575	4725	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.22	0.04	0.04	0.33	0.00	0.00	0.00	0.00	0.08	0.00	0.06
Crit Volume:	0			521			0			120		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #112 Eureka Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.420
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	0	2	0	1	1	0

Volume Module:

Base Vol:	430	497	37	109	496	25	27	209	270	41	245	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	430	497	37	109	496	25	27	209	270	41	245	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:	430	497	37	109	496	25	27	209	270	41	245	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	430	497	37	109	496	25	27	209	270	41	245	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
Final Volume:	430	497	37	109	496	25	27	209	270	41	245	78

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.15	0.17	0.03	0.08	0.17	0.02	0.02	0.07	0.19	0.03	0.08	0.05
Crit Volume:	215			248			104			41		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #113 Lead Hill Blvd/Orvieto Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.412
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	0	3	0	1	0	1

Volume Module:

Base Vol:	131	1056	3	6	1364	99	16	8	120	2	26	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	131	1056	3	6	1364	99	16	8	120	2	26	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:	131	1056	3	6	1364	99	16	8	120	2	26	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	131	1056	3	6	1364	99	16	8	120	2	26	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:	131	1056	3	6	1364	99	16	8	120	2	26	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	1523	1523	1523	1523	0

Capacity Analysis Module:

Vol/Sat:	0.09	0.23	0.00	0.00	0.30	0.07	0.01	0.01	0.08	0.00	0.02	0.00
Crit Volume:	131			455			16			26		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #114 Roseville Pkwy & N. Cirby Way

Cycle (sec): 120 Critical Vol./Cap.(X): 0.348
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	87	0	98	0	0	0	0	776	34	30	833	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	87	0	98	0	0	0	0	776	34	30	833	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:	87	0	98	0	0	0	0	776	34	30	833	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	0	98	0	0	0	0	776	34	30	833	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:	87	0	98	0	0	0	0	776	34	30	833	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.92	0.08	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2874	126	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.07	0.00	0.00	0.00	0.00	0.27	0.27	0.02	0.28	0.00
Crit Volume:	87			0				405		30		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #115 Olympus Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.420
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	0	2	1	0	1

Volume Module:

Base Vol:	24	964	112	95	1363	47	9	5	11	129	241	216
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	964	112	95	1363	47	9	5	11	129	241	216
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	24	964	0	95	1363	47	9	5	11	129	241	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	964	0	95	1363	47	9	5	11	129	241	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	24	964	0	95	1363	47	9	5	11	129	241	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	2.90	0.10	1.00	0.31	0.69	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4415	152	1523	476	1047	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.21	0.00	0.06	0.31	0.31	0.01	0.01	0.01	0.08	0.08	0.00
Crit Volume:	24			470			16			129		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #116 Rocky Ridge Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.413
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 0	0 0 3 0 1	2 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	110	972	0	0	1441	241	119	0	45	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	110	972	0	0	1441	241	119	0	45	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:	110	972	0	0	1441	241	119	0	45	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	110	972	0	0	1441	241	119	0	45	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	110	972	0	0	1441	241	119	0	45	0	0	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	0.00	0.00	3.00	1.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1575	4725	0	0	4725	1575	3150	0	1575	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.21	0.00	0.00	0.30	0.15	0.04	0.00	0.03	0.00	0.00	0.00
Crit Volume:	110				480		60				0	
Crit Moves:	****				****		****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #117 Roseville Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.575
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	546	909	28	87	710	22	55	170	582	51	302	120
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	546	909	28	87	710	22	55	170	582	51	302	120
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	546	909	0	87	710	0	55	170	0	51	302	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	546	909	0	87	710	0	55	170	0	51	302	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	546	909	0	87	710	0	55	170	0	51	302	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.31	0.00	0.06	0.24	0.00	0.04	0.06	0.00	0.04	0.10	0.00
Crit Volume:	273				355		55				151	
Crit Moves:	****				****		****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #118 Trestle Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.233
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	0	1

Volume Module:

Base Vol:	60	183	6	2	295	18	29	9	156	29	2	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	183	6	2	295	18	29	9	156	29	2	3
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	183	6	2	295	18	29	9	156	29	2	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	183	6	2	295	18	29	9	156	29	2	3
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	60	183	6	2	295	18	29	9	156	29	2	3

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.76	0.24	1.00	0.85	0.06	0.09
Final Sat.:	1450	2900	1450	1450	2900	1450	1107	343	1450	1237	85	128

Capacity Analysis Module:

Vol/Sat:	0.04	0.06	0.00	0.00	0.10	0.01	0.03	0.03	0.11	0.02	0.02	0.02
Crit Volume:	0			148					156	34		
Crit Moves:	****			****			****		****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #119 Village Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.292
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	32	547	12	11	570	9	32	0	31	26	0	81
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	32	547	12	11	570	9	32	0	31	26	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:	32	547	12	11	570	9	32	0	31	26	0	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	547	12	11	570	9	32	0	31	26	0	81
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:	32	547	12	11	570	9	32	0	31	26	0	81

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.97	0.03	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2838	62	1450	2855	45	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.19	0.01	0.20	0.20	0.02	0.00	0.02	0.02	0.00	0.06
Crit Volume:	32			290			32			81		
Crit Moves:	****			****			****		****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #120 Roseville Pkwy & Washington Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.481
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Ignore	Ovl	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	1 0 1 0 1	0 1 0 0 1	2 0 0 0 1

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Volume Module:

Base Vol:	6 301 21	210 659 7	5 0 4	54 0 164
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	6 301 21	210 659 7	5 0 4	54 0 164
User Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Volume:	6 301 0	210 659 7	5 0 4	54 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	6 301 0	210 659 7	5 0 4	54 0 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
FinalVolume:	6 301 0	210 659 7	5 0 4	54 0 0

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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	1.00 0.00 1.00	2.00 0.00 1.00
Final Sat.:	1450 2900 1450	1450 1450 1450	1450 0 1450	2900 0 1450

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Capacity Analysis Module:

Vol/Sat:	0.00 0.10 0.00	0.14 0.45 0.00	0.00 0.00 0.00	0.02 0.00 0.00
Crit Volume:	6	659	5	27
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #121 S Cirby Way & Champion Oaks Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.422
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 0 0	0 1 0 0 1	1 0 1 0 1	1 0 1 1 0

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Volume Module:

Base Vol:	87 16 16	16 11 0	38 403 30	22 840 15
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	87 16 16	16 11 0	38 403 30	22 840 15
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	87 16 16	16 11 0	38 403 30	22 840 15
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	87 16 16	16 11 0	38 403 30	22 840 15
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:	87 16 16	16 11 0	38 403 30	22 840 15

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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:	0.74 0.13 0.13	0.59 0.41 1.00	1.00 1.00 1.00	1.00 1.96 0.04
Final Sat.:	1060 195 195	859 591 1450	1450 1450 1450	1450 2849 51

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Capacity Analysis Module:

Vol/Sat:	0.08 0.08 0.08	0.02 0.02 0.00	0.03 0.28 0.02	0.02 0.29 0.29
Crit Volume:	119	27	38	428
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #122 S Cirby Way & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.666
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 56 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	0	0	0	1	0	0

Volume Module:

Base Vol:	0	480	387	288	190	0	0	0	0	231	0	371
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	480	387	288	190	0	0	0	0	231	0	371
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	480	387	288	190	0	0	0	0	231	0	371
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	480	387	288	190	0	0	0	0	231	0	371
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	480	387	288	190	0	0	0	0	231	0	371

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	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1500	1500	1500	1500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.32	0.26	0.19	0.13	0.00	0.00	0.00	0.00	0.15	0.00	0.25
Crit Volume:	480			288			0			231		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #123 Secret Ravine Pkwy & Scarborough Dr/ Poppy Field Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.304
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	9	1	22	43	0	234	83	188	5	39	351	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	1	22	43	0	234	83	188	5	39	351	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:	9	1	22	43	0	234	83	188	5	39	351	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	1	22	43	0	234	83	188	5	39	351	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	9	1	22	43	0	234	83	188	5	39	351	37

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.28	0.03	0.69	1.00	0.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	408	45	997	1450	0	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.03	0.00	0.16	0.06	0.06	0.00	0.03	0.12	0.03
Crit Volume:	32			234			0			176		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #124 Miners Ravine & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.349
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	3	818	2	7	999	1	1	0	1	2	0	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	818	2	7	999	1	1	0	1	2	0	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	818	2	7	999	1	1	0	1	2	0	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	818	2	7	999	1	1	0	1	2	0	6
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:	3	818	2	7	999	1	1	0	1	2	0	6

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.28	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	3			500			1			2		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #125 Secret Ravine Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.423
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	142	679	1	1	791	131	123	0	215	1	2	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	142	679	1	1	791	131	123	0	215	1	2	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	142	679	1	1	791	131	123	0	215	1	2	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	142	679	1	1	791	131	123	0	215	1	2	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	142	679	1	1	791	131	123	0	215	1	2	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	0.33	0.67	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	483	967	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.23	0.00	0.00	0.27	0.09	0.04	0.00	0.15	0.00	0.00	0.00
Crit Volume:	0			396			215			3		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #126 Eureka Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.592
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 56 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	2	1

Volume Module:

Base Vol:	67	962	25	198	783	141	121	202	65	30	202	260
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	67	962	25	198	783	141	121	202	65	30	202	260
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	67	962	0	198	783	0	121	202	0	30	202	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	962	0	198	783	0	121	202	0	30	202	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	67	962	0	198	783	0	121	202	0	30	202	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.04	0.32	0.00	0.13	0.26	0.00	0.08	0.13	0.00	0.02	0.07	0.00
Crit Volume:	481			198			121			101		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #127 Indigo Creek Apts & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.383
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	70	1172	67	79	971	25	120	3	144	37	2	15
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	70	1172	67	79	971	25	120	3	144	37	2	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	70	1172	67	79	971	25	120	3	144	37	2	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	1172	67	79	971	25	120	3	144	37	2	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	70	1172	67	79	971	25	120	3	144	37	2	15

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.95	0.05	1.00	0.95	0.05	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	2971	74	1523	1444	78	1523

Capacity Analysis Module:

Vol/Sat:	0.05	0.26	0.04	0.05	0.21	0.02	0.04	0.04	0.09	0.03	0.03	0.01
Crit Volume:	391			79			144			39		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #128 Old Auburn Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.746
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 90 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	128	1170	37	13	1149	157	259	123	313	66	146	188
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	128	1170	37	13	1149	157	259	123	313	66	146	188
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:	128	1170	37	13	1149	157	259	123	313	66	146	188
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	128	1170	37	13	1149	157	259	123	313	66	146	188
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:	128	1170	37	13	1149	157	259	123	313	66	146	188

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	1523	1523

Capacity Analysis Module:

Vol/Sat:	0.08	0.38	0.02	0.01	0.38	0.10	0.17	0.08	0.21	0.04	0.10	0.12
Crit Volume:	128			575			259					188
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #129 Olympus Dr & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.457
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	3	0	1	1

Volume Module:

Base Vol:	297	760	32	4	886	107	65	1	328	23	15	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	297	760	32	4	886	107	65	1	328	23	15	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	297	760	32	4	886	107	65	1	328	23	15	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	297	760	32	4	886	107	65	1	328	23	15	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	297	760	32	4	886	107	65	1	328	23	15	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.97	0.03	1.00	0.61	0.39	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	2856	44	1450	878	572	1450

Capacity Analysis Module:

Vol/Sat:	0.20	0.26	0.02	0.00	0.20	0.07	0.02	0.02	0.23	0.03	0.03	0.00
Crit Volume:	297			295			33			38		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #130 Fairway Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.348
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	3	0	1	0	2	0	1	0

Volume Module:

Base Vol:	53	555	58	30	1006	43	37	91	85	168	78	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	53	555	58	30	1006	43	37	91	85	168	78	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	53	555	58	30	1006	43	37	91	85	168	78	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	555	58	30	1006	43	37	91	85	168	78	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	53	555	58	30	1006	43	37	91	85	168	78	11

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	0.88	0.12
Final Sat.:	2900	2900	1450	2900	4350	1450	1450	2900	1450	2900	1271	179

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.04	0.01	0.23	0.03	0.03	0.03	0.06	0.06	0.06	0.06
Crit Volume:	0			335					85	84		
Crit Moves:	****			****			****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #131 Five Star Blvd & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.433
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1		2	0	3	0	1	

Volume Module:

Base Vol:	143	678	146	45	1211	35	20	22	145	159	30	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	143	678	146	45	1211	35	20	22	145	159	30	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	143	678	146	45	1211	35	20	22	145	159	30	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	143	678	146	45	1211	35	20	22	145	159	30	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	143	678	146	45	1211	35	20	22	145	159	30	13

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	1.00	1.00	1.00	2.00	0.70	0.30
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	1450	1450	2900	1012	438

Capacity Analysis Module:

Vol/Sat:	0.05	0.16	0.10	0.02	0.28	0.02	0.01	0.02	0.10	0.05	0.03	0.03
Crit Volume:	0			404					145	80		
Crit Moves:	****			****			****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #132 Highland Park Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.326
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	0	1	0	1

Volume Module:

Base Vol:	10	466	34	62	971	56	65	44	113	12	6	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	10	466	34	62	971	56	65	44	113	12	6	3
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:	10	466	34	62	971	56	65	44	113	12	6	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	466	34	62	971	56	65	44	113	12	6	3
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:	10	466	34	62	971	56	65	44	113	12	6	3

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	0.28	0.72	2.00	0.67	0.33
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	427	1096	3045	1015	508

Capacity Analysis Module:

Vol/Sat:	0.01	0.10	0.02	0.04	0.21	0.04	0.04	0.10	0.10	0.00	0.01	0.01
Crit Volume:	10			324					157	6		
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #133 Coloma Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.595
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	17	1317	36	47	1076	16	37	20	31	51	10	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	1317	36	47	1076	16	37	20	31	51	10	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:	17	1317	36	47	1076	16	37	20	31	51	10	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	1317	36	47	1076	16	37	20	31	51	10	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
Final Volume:	17	1317	36	47	1076	16	37	20	31	51	10	78

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.95	0.05	1.00	1.97	0.03	1.00	0.39	0.61	1.00	0.11	0.89
Final Sat.:	1450	2823	77	1450	2858	42	1450	569	881	1450	165	1285

Capacity Analysis Module:

Vol/Sat:	0.01	0.47	0.47	0.03	0.38	0.38	0.03	0.04	0.04	0.04	0.06	0.06
Crit Volume:		677	47		47			51				88
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #134 Sandringham Way/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.487
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	6	1311	13	9	1020	4	22	0	18	48	0	36
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	1311	13	9	1020	4	22	0	18	48	0	36
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	1311	13	9	1020	4	22	0	18	48	0	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	1311	13	9	1020	4	22	0	18	48	0	36
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	6	1311	13	9	1020	4	22	0	18	48	0	36

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.98	0.02	1.00	1.99	0.01	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1523	3015	30	1523	3033	12	1523	0	1523	1523	0	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.43	0.43	0.01	0.34	0.34	0.01	0.00	0.01	0.03	0.00	0.02
Crit Volume:	662			9			22			48		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #135 Sun Tree Dr/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.594
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	0	1

Volume Module:

Base Vol:	5	1318	13	18	1000	44	49	25	4	66	19	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	1318	13	18	1000	44	49	25	4	66	19	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	1318	13	18	1000	44	49	25	4	66	19	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	1318	13	18	1000	44	49	25	4	66	19	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	1318	13	18	1000	44	49	25	4	66	19	58

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.98	0.02	1.00	2.00	1.00	0.63	0.32	0.05	0.46	0.13	0.41
Final Sat.:	1523	3015	30	1523	3045	1523	956	488	78	703	202	618

Capacity Analysis Module:

Vol/Sat:	0.00	0.44	0.44	0.01	0.33	0.03	0.05	0.05	0.05	0.09	0.09	0.09
Crit Volume:	666			18			78			143		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #136 Frances Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.498
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	1	0

Volume Module:

Base Vol:	2	1321	27	22	1185	2	1	0	1	20	2	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	1321	27	22	1185	2	1	0	1	20	2	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	1321	27	22	1185	2	1	0	1	20	2	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1321	27	22	1185	2	1	0	1	20	2	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	2	1321	27	22	1185	2	1	0	1	20	2	27

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.99	0.01	0.50	0.00	0.50	0.82	0.18	1.00
Final Sat.:	1450	2842	58	1450	2895	5	725	0	725	1184	266	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.46	0.46	0.02	0.41	0.41	0.00	0.00	0.00	0.02	0.01	0.02
Crit Volume:	674	22					2	24				
Crit Moves:	****	****					****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #137 Oak Ridge Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.222
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	1	0	2	0	0	0	0	0	1

Volume Module:

Base Vol:	0	521	10	58	341	0	0	0	0	10	0	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	521	10	58	341	0	0	0	0	10	0	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	521	10	58	341	0	0	0	0	10	0	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	521	10	58	341	0	0	0	0	10	0	24
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	521	10	58	341	0	0	0	0	10	0	24

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	1.96	0.04	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2944	56	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.18	0.18	0.04	0.11	0.00	0.00	0.00	0.00	0.01	0.00	0.02
Crit Volume:	266			58			0			10		
Crit Moves:	****	****								****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #138 Diamond Oaks Rd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.574
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	4	576	36	157	551	32	8	6	16	70	0	156
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	576	36	157	551	32	8	6	16	70	0	156
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:	4	576	36	157	551	32	8	6	16	70	0	156
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	576	36	157	551	32	8	6	16	70	0	156
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:	4	576	36	157	551	32	8	6	16	70	0	156

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.27	0.20	0.53	1.00	0.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	387	290	773	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.40	0.02	0.11	0.38	0.02	0.02	0.02	0.02	0.05	0.00	0.11
Crit Volume:	576			157			30		70			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #139 Sawtell Rd/Derek Pl & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.295
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	27	526	45	22	613	22	90	1	54	14	0	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	27	526	45	22	613	22	90	1	54	14	0	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	27	526	45	22	613	22	90	1	54	14	0	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	526	45	22	613	22	90	1	54	14	0	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	27	526	45	22	613	22	90	1	54	14	0	10

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	1.93	0.07	0.99	0.01	1.00	1.00	0.00	1.00
Final Sat.:	1523	3045	1523	1523	2940	105	1506	17	1523	1523	0	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.17	0.03	0.01	0.21	0.21	0.06	0.06	0.04	0.01	0.00	0.01
Crit Volume:	27			318			91		14			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #140 Hallissy Dr & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.307
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	0	0	0	0	1	0	0

Volume Module:

Base Vol:	0	288	147	22	364	0	0	0	0	97	0	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	288	147	22	364	0	0	0	0	97	0	30
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	288	147	22	364	0	0	0	0	97	0	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	288	147	22	364	0	0	0	0	97	0	30
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	288	147	22	364	0	0	0	0	97	0	30

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	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3000	1500	1500	1500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.10	0.10	0.01	0.24	0.00	0.00	0.00	0.00	0.06	0.00	0.02
Crit Volume:	0			364			0			97		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #141 Baseline Rd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.629
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	1	0	1	0	0	1	0	2

Volume Module:

Base Vol:	101	0	108	260	0	68	49	438	28	85	385	122
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	101	0	108	260	0	68	49	438	28	85	385	122
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	101	0	108	260	0	68	49	438	28	85	385	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	101	0	108	260	0	68	49	438	28	85	385	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	101	0	108	260	0	68	49	438	28	85	385	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.00	1.00	1.00	0.94	0.06	1.00	2.00	1.00
Final Sat.:	1450	0	1450	1450	0	1450	1450	1363	87	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.00	0.07	0.18	0.00	0.05	0.03	0.32	0.32	0.06	0.13	0.00
Crit Volume:	101			260			466		85			
Crit Moves:	****			****			****		****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #142 Canevari Dr/Arsenault Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.521
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 48 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	77	346	14	7	559	23	31	7	138	19	17	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	77	346	14	7	559	23	31	7	138	19	17	19
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:	77	346	14	7	559	23	31	7	138	19	17	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	346	14	7	559	23	31	7	138	19	17	19
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:	77	346	14	7	559	23	31	7	138	19	17	19

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.96	0.04	1.00	0.96	0.04	0.82	0.18	1.00	0.53	0.47	1.00
Final Sat.:	1450	1394	56	1450	1393	57	1183	267	1450	765	685	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.25	0.25	0.00	0.40	0.40	0.03	0.03	0.10	0.02	0.02	0.01
Crit Volume:	0			582					138			36
Crit Moves:	****			****			****		****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #143 Horncastle Ave & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.281
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	34	286	10	7	283	75	62	2	52	20	7	29
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	286	10	7	283	75	62	2	52	20	7	29
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:	34	286	10	7	283	75	62	2	52	20	7	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	286	10	7	283	75	62	2	52	20	7	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	34	286	10	7	283	75	62	2	52	20	7	29

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.97	0.03	1.00	0.74	0.26	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1405	45	1450	1074	376	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.20	0.01	0.00	0.20	0.05	0.04	0.04	0.04	0.02	0.02	0.02
Crit Volume:	34			283			64			27		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #144 McAnally Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.382
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	1	0	1

Volume Module:

Base Vol:	66	452	16	103	473	61	81	33	37	103	94	89
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	452	16	103	473	61	81	33	37	103	94	89
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:	66	452	16	103	473	61	81	33	37	103	94	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	452	16	103	473	61	81	33	37	103	94	89
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:	66	452	16	103	473	61	81	33	37	103	94	89

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.77	0.23	0.71	0.29	1.00	1.00	1.00	1.00
Final Sat.:	1450	2801	99	1450	2569	331	1030	420	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.16	0.16	0.07	0.18	0.18	0.08	0.08	0.03	0.07	0.06	0.06
Crit Volume:	234			103			114			103		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #145 Trailee Ln & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.319
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	1	1	0	0

Volume Module:

Base Vol:	132	490	32	47	395	43	91	0	145	42	0	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	132	490	32	47	395	43	91	0	145	42	0	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	132	490	32	47	395	43	91	0	145	42	0	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	132	490	32	47	395	43	91	0	145	42	0	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	132	490	32	47	395	43	91	0	145	42	0	60

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.88	0.12	1.00	2.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2722	178	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.18	0.18	0.03	0.14	0.03	0.06	0.00	0.10	0.03	0.00	0.04
Crit Volume:	132			198			91			42		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.503
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	2	0	0	0	4	0	2	0

Volume Module:

Base Vol:	148	0	276	63	213	228	0	1557	229	171	450	349
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	148	0	276	63	213	228	0	1557	229	171	450	349
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	148	0	276	63	213	0	0	1557	229	171	450	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	0	276	63	213	0	0	1557	229	171	450	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	148	0	276	63	213	0	0	1557	229	171	450	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	2.00	1.00	0.00	4.00	1.00	2.00	2.00	1.00
Final Sat.:	1450	0	2900	1450	2900	1450	0	5800	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.10	0.04	0.07	0.00	0.00	0.27	0.16	0.06	0.16	0.00
Crit Volume:	148			107			389			86		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.377
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	3	0	0	1

Volume Module:

Base Vol:	0	0	1446	0	0	317	142	883	0	0	1220	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	1446	0	0	317	142	883	0	0	1220	133
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	0	0	0	0	0	317	142	883	0	0	1220	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	317	142	883	0	0	1220	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	0	0	0	0	0	317	142	883	0	0	1220	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	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	1500	0	0	3000	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.11	0.09	0.20	0.00	0.00	0.27	0.00
Crit Volume:	0			159			0			407		
Crit Moves:				****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #148 Douglas Blvd & I-80 WB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.570
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	2	0	0	0	0	2	0	0	2

Volume Module:

Base Vol:	0	0	0	778	0	178	0	827	136	0	933	329
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	778	0	178	0	827	136	0	933	329
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	778	0	178	0	827	0	0	933	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	778	0	178	0	827	0	0	933	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	778	0	178	0	827	0	0	933	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	0.00	2.00	0.00	1.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	0	3000	1500	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.26	0.00	0.12	0.00	0.28	0.00	0.00	0.31	0.00
Crit Volume:	0			389			0			467		
Crit Moves:				****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #149 Atlantic St & I-80 WB On-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.293
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 20 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	0	0	3	0	0	0

Volume Module:

Base Vol:	0	0	0	0	0	0	0	427	252	479	371	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	427	252	479	371	0
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	0	427	252	479	371	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	427	252	479	371	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	0	0	427	252	479	371	0

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	0.00	1.00	0.00	0.00	1.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	1680	0	0	1680	0	5040	1680	3360	3360	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.15	0.14	0.11	0.00
Crit Volume:	0			0					252	240		
Crit Moves:									****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #150 Pleasant Grove Blvd & SR 65 NB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.360
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	3	0	0	0	0	0	0	0	3	1	0	3

Volume Module:

Base Vol:	330	0	300	0	0	0	0	711	169	76	1288	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	330	0	300	0	0	0	0	711	169	76	1288	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	330	0	300	0	0	0	0	711	0	76	1288	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	330	0	300	0	0	0	0	711	0	76	1288	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	330	0	300	0	0	0	0	711	0	76	1288	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:	3.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	4500	0	3000	0	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.00	0.10	0.00	0.00	0.00	0.00	0.16	0.00	0.05	0.29	0.00
Crit Volume:	110			0			0			429		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #151 Pleasant Grove Blvd & SR 65 SB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.383
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	1	0	0	2

Volume Module:

Base Vol:	0	0	0	81	0	368	0	950	529	0	1172	371
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	81	0	368	0	950	529	0	1172	371
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	81	0	368	0	950	0	0	1172	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	81	0	368	0	950	0	0	1172	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	81	0	368	0	950	0	0	1172	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	0.00	1.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	3000	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.12	0.00	0.21	0.00	0.00	0.26	0.00
Crit Volume:	0			184		0	0			391		
Crit Moves:				****		****				****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #152 I-80 WB Off-Ramp & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.495
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	0	2	0	0	0	2	0	0

Volume Module:

Base Vol:	0	978	211	0	789	1067	0	0	0	270	0	253
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	978	211	0	789	1067	0	0	0	270	0	253
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	978	0	0	789	0	0	0	0	270	0	253
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	978	0	0	789	0	0	0	0	270	0	253
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	978	0	0	789	0	0	0	0	270	0	253

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	2.00	1.00	0.00	2.00	1.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	0	3000	1500	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.33	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.09	0.00	0.17
Crit Volume:	489			0			0			253		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #153 SR 65 NB On-Ramp & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.593
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	1	0	0	0	0	0

Volume Module:

Base Vol:	434	512	0	0	1496	50	0	0	144	0	0	456
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	434	512	0	0	1496	50	0	0	144	0	0	456
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	434	512	0	0	1496	50	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	434	512	0	0	1496	50	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	434	512	0	0	1496	50	0	0	0	0	0	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	2.00	0.00	0.00	2.90	0.10	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	1600	3200	0	0	4645	155	0	0	1600	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.27	0.16	0.00	0.00	0.32	0.32	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	434			515			0			0		
Crit Moves:	****			****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #154 SR 65 SB On-Ramp & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.377
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	2	0	0	3	0	0	1

Volume Module:

Base Vol:	0	861	118	632	1008	0	0	0	562	0	0	85
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	861	118	632	1008	0	0	0	562	0	0	85
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	861	118	632	1008	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	861	118	632	1008	0	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	861	118	632	1008	0	0	0	0	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	2.00	0.00	0.00	1.00
Final Sat.:	0	4800	1600	3200	4800	0	0	0	3200	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.18	0.07	0.20	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	287			316			0			0		
Crit Moves:	****			****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.882
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	2	0	0	1	1	0	2

Volume Module:

Base Vol:	102	465	625	198	0	390	160	1430	226	0	810	56
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	102	465	625	198	0	390	160	1430	226	0	810	56
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	102	465	0	198	0	390	160	1430	0	0	810	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	102	465	0	198	0	390	160	1430	0	0	810	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	102	465	0	198	0	390	160	1430	0	0	810	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	2.00	0.00	1.00	1.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	1450	1450	2900	1450	0	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.32	0.00	0.07	0.00	0.27	0.11	0.49	0.00	0.00	0.19	0.00
Crit Volume:	465			99			715			0		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #156 Fairway Dr & Highland Park Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.122
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	0	0	7	25	1	32	10	277	4	4	226	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	7	25	1	32	10	277	4	4	226	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	7	25	1	32	10	277	4	4	226	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	7	25	1	32	10	277	4	4	226	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	7	25	1	32	10	277	4	4	226	11

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.03	0.97	1.00	1.97	0.03	1.00	1.91	0.09
Final Sat.:	1450	0	1450	1450	44	1406	1450	2859	41	1450	2765	135

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.02	0.02	0.01	0.10	0.10	0.00	0.08	0.08
Crit Volume:	7	25					141			4		
Crit Moves:	****	****					****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #157 I-80 EB Off-Ramp/Orlando Ave & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	1	1	0	2	0	0	1

Volume Module:

Base Vol:	0	1041	73	34	746	0	0	203	121	69	0	115
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1041	73	34	746	0	0	203	121	69	0	115
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1041	73	34	746	0	0	203	121	69	0	115
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1041	73	34	746	0	0	203	121	69	0	115
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1041	73	34	746	0	0	203	121	69	0	115

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00	2.00	0.00	1.00
Final Sat.:	0	2900	1450	1450	2900	0	0	2900	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.36	0.05	0.02	0.26	0.00	0.00	0.07	0.08	0.02	0.00	0.08
Crit Volume:	521			34					121	35		
Crit Moves:	****	****							****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #180 Baseline Rd & Santucci Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.557
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	29	0	161	0	0	0	0	208	26	301	807	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	0	161	0	0	0	0	208	26	301	807	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:	29	0	161	0	0	0	0	208	26	301	807	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	0	161	0	0	0	0	208	26	301	807	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:	29	0	161	0	0	0	0	208	26	301	807	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	1500	1500	1500	1500	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.11	0.00	0.00	0.00	0.00	0.14	0.02	0.20	0.54	0.00
Crit Volume:	29			0			0			807		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1001 Darling Way & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.412
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	1	0	1	0	0	1	0

Volume Module:

Base Vol:	24	266	170	25	292	0	35	46	41	203	23	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	266	170	25	292	0	35	46	41	203	23	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	266	170	25	292	0	35	46	41	203	23	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	266	170	25	292	0	35	46	41	203	23	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	24	266	170	25	292	0	35	46	41	203	23	25

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	2.00	0.00	0.43	0.57	1.00	0.90	0.10	1.00
Final Sat.:	1450	1450	1450	1450	2900	0	627	823	1450	1302	148	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.18	0.12	0.02	0.10	0.00	0.06	0.06	0.03	0.16	0.16	0.02
Crit Volume:	266			25			81			226		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1002 Vernon St & Douglas Blvd/Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.338
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	0	163	135	0	124	143	155	108	0	152	185	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	163	135	0	124	143	155	108	0	152	185	4
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	163	135	0	124	0	155	108	0	152	185	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	163	135	0	124	0	155	108	0	152	185	4
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	163	135	0	124	0	155	108	0	152	185	4

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	1.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.98	0.02
Final Sat.:	0	1500	1500	0	1500	1500	0	1500	1500	0	1500	1468

Capacity Analysis Module:

Vol/Sat:	0.00	0.11	0.09	0.00	0.08	0.00	0.10	0.07	0.00	0.10	0.13	0.13
Crit Volume:	163			0			155			189		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1003 Vernon St & Grant St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.247
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 19 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	89	30	33	3	13	7	4	240	1	21	229	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	89	30	33	3	13	7	4	240	1	21	229	19
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:	89	30	33	3	13	7	4	240	1	21	229	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	30	33	3	13	7	4	240	1	21	229	19
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:	89	30	33	3	13	7	4	240	1	21	229	19

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:	0.75	0.25	1.00	0.13	0.57	0.30	0.02	0.98	1.00	0.08	0.85	0.07
Final Sat.:	1197	403	1600	209	904	487	26	1574	1600	125	1362	113

Capacity Analysis Module:

Vol/Sat:	0.07	0.07	0.02	0.01	0.01	0.01	0.15	0.15	0.00	0.17	0.17	0.17
Crit Volume:	119			3			4			269		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1004 Vernon St & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.207
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 18 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	0	1	0	0	1

Volume Module:

Base Vol:	24	9	21	2	3	0	4	286	8	9	255	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	9	21	2	3	0	4	286	8	9	255	5
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	9	21	2	3	0	4	286	8	9	255	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	9	21	2	3	0	4	286	8	9	255	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	24	9	21	2	3	0	4	286	8	9	255	5

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:	0.73	0.27	1.00	0.40	0.60	0.00	0.01	0.96	0.03	0.03	0.95	0.02
Final Sat.:	1164	436	1600	640	960	0	21	1536	43	54	1517	30

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.01	0.00	0.00	0.00	0.19	0.19	0.19	0.17	0.17	0.17
Crit Volume:	24			0			298		9			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1005 Vernon St & Lincoln St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.493
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	45	15	291	4	14	1	22	215	19	150	229	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	15	291	4	14	1	22	215	19	150	229	3
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:	45	15	291	4	14	1	22	215	19	150	229	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	15	291	4	14	1	22	215	19	150	229	3
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:	45	15	291	4	14	1	22	215	19	150	229	3

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:	0.13	0.04	0.83	0.21	0.74	0.05	1.00	0.92	0.08	1.00	0.99	0.01
Final Sat.:	192	64	1244	316	1105	79	1500	1378	122	1500	1481	19

Capacity Analysis Module:

Vol/Sat:	0.23	0.23	0.23	0.01	0.01	0.01	0.01	0.16	0.16	0.10	0.15	0.15
Crit Volume:	351			4			234		150			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1006 Main St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	179	361	7	12	713	0	77	87	140	40	60	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	179	361	7	12	713	0	77	87	140	40	60	12
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	179	361	7	12	713	0	77	87	140	40	60	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	179	361	7	12	713	0	77	87	140	40	60	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	179	361	7	12	713	0	77	87	140	40	60	12

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	0.47	0.53	1.00	0.40	0.60	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	681	769	1450	580	870	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.12	0.00	0.01	0.25	0.00	0.11	0.11	0.10	0.07	0.07	0.01
Crit Volume:	89			357			164			100		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Roseville City Intersections)

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

Intersection #1007 Oak St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.338
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	1	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	0	11	9	845	10	377	48	7	0	0	15	412
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	11	9	845	10	377	48	7	0	0	15	412
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	11	9	845	10	377	48	7	0	0	15	412
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	11	9	845	10	377	48	7	0	0	15	412
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	11	9	845	10	377	48	7	0	0	15	412

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.55	0.45	1.98	0.02	1.00	1.75	0.25	0.00	0.00	1.00	2.00
Final Sat.:	0	798	653	2866	34	1450	2531	369	0	0	1450	2900

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.01	0.29	0.29	0.26	0.02	0.02	0.00	0.00	0.01	0.14
Crit Volume:	20			428			28			15		
Crit Moves:	****			****			****			****		

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing: PM Peak Hour (Roseville City Intersections)

Scenario Report

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing: PM Peak Hour (Roseville City Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 1 Atlantic St & Tiger Way/Center	A xxxxx	0.401	A xxxxx	0.401	+ 0.000 V/C
# 2 Atlantic St & Wills Rd	A xxxxx	0.517	A xxxxx	0.517	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	A xxxxx	0.385	A xxxxx	0.385	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	E xxxxx	0.949	E xxxxx	0.949	+ 0.000 V/C
# 5 Blue Oaks Blvd & Crocker Ranch	A xxxxx	0.256	A xxxxx	0.256	+ 0.000 V/C
# 6 Blue Oaks Blvd & Del Webb Blvd	A xxxxx	0.216	A xxxxx	0.216	+ 0.000 V/C
# 7 Blue Oaks Blvd & Fiddymment Rd	A xxxxx	0.264	A xxxxx	0.264	+ 0.000 V/C
# 8 Blue Oaks Blvd & New Meadow Dr	B xxxxx	0.627	B xxxxx	0.627	+ 0.000 V/C
# 9 Blue Oaks Blvd & Orchard View	A xxxxx	0.132	A xxxxx	0.132	+ 0.000 V/C
# 10 Blue Oaks Blvd & Diamond Creek	A xxxxx	0.390	A xxxxx	0.390	+ 0.000 V/C
# 11 Blue Oaks Blvd & Foothills Blv	C xxxxx	0.707	C xxxxx	0.707	+ 0.000 V/C
# 12 Blue Oaks Blvd & Woodcreek Oak	A xxxxx	0.507	A xxxxx	0.507	+ 0.000 V/C
# 13 Cirby Way & Sunrise Ave	D xxxxx	0.820	D xxxxx	0.820	+ 0.000 V/C
# 14 Cirby Way & Foothills Blvd	B xxxxx	0.647	B xxxxx	0.647	+ 0.000 V/C
# 15 Cirby Way & Melody Ln	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
# 16 Cirby Way & Northridge Dr	B xxxxx	0.630	B xxxxx	0.630	+ 0.000 V/C
# 17 Cirby Way & Oak Ridge Dr	A xxxxx	0.411	A xxxxx	0.411	+ 0.000 V/C
# 18 Cirby Way & Orlando Ave	B xxxxx	0.653	B xxxxx	0.653	+ 0.000 V/C
# 19 Cirby Way & Parkview Dr	A xxxxx	0.375	A xxxxx	0.375	+ 0.000 V/C
# 20 Cirby Way & Riverside Ave	D xxxxx	0.832	D xxxxx	0.832	+ 0.000 V/C
# 21 Cirby Way & Rocky Ridge Dr	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
# 22 Cirby Way & San Simeon Dr	A xxxxx	0.490	A xxxxx	0.490	+ 0.000 V/C
# 23 Cirby Way & Vernon St	C xxxxx	0.793	C xxxxx	0.793	+ 0.000 V/C

City of Roseville Fiddymment Ranch SPA 3 Update Existing: PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 24 Douglas Blvd & Eureka Rd	B	xxxxx 0.657	B	xxxxx 0.657	+ 0.000 V/C
# 25 Douglas Blvd & Rocky Ridge Dr	C	xxxxx 0.744	C	xxxxx 0.744	+ 0.000 V/C
# 26 Douglas Blvd & Santa Clara Dr	B	xxxxx 0.680	B	xxxxx 0.680	+ 0.000 V/C
# 27 Douglas Blvd & Sierra Gardens	B	xxxxx 0.615	B	xxxxx 0.615	+ 0.000 V/C
# 28 Douglas Blvd & Sunrise Ave	D	xxxxx 0.865	D	xxxxx 0.865	+ 0.000 V/C
# 29 Douglas Blvd & Target Dwy	B	xxxxx 0.637	B	xxxxx 0.637	+ 0.000 V/C
# 30 Douglas Blvd & E Roseville Pkw	D	xxxxx 0.813	D	xxxxx 0.813	+ 0.000 V/C
# 31 Douglas Blvd & Folsom Rd	A	xxxxx 0.557	A	xxxxx 0.557	+ 0.000 V/C
# 32 Douglas Blvd & Harding Blvd	D	xxxxx 0.821	D	xxxxx 0.821	+ 0.000 V/C
# 33 Douglas Blvd & Judah St	A	xxxxx 0.470	A	xxxxx 0.470	+ 0.000 V/C
# 34 Douglas Blvd & Keehner Ave	A	xxxxx 0.315	A	xxxxx 0.315	+ 0.000 V/C
# 35 Douglas Blvd & Park Dr	A	xxxxx 0.304	A	xxxxx 0.304	+ 0.000 V/C
# 36 Douglas Blvd & Sierra College	C	xxxxx 0.798	C	xxxxx 0.798	+ 0.000 V/C
# 37 Eureka Rd & Lead Hill Blvd	A	xxxxx 0.401	A	xxxxx 0.401	+ 0.000 V/C
# 38 Eureka Rd & N. Sunrise Ave	B	xxxxx 0.661	B	xxxxx 0.661	+ 0.000 V/C
# 39 Eureka Rd & Rocky Ridge Dr	B	xxxxx 0.655	B	xxxxx 0.655	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A	xxxxx 0.213	A	xxxxx 0.213	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts D	A	xxxxx 0.335	A	xxxxx 0.335	+ 0.000 V/C
# 42 Fairway Dr & Central Park Dr/L	A	xxxxx 0.397	A	xxxxx 0.397	+ 0.000 V/C
# 43 Fairway Dr & Cortina Cir	A	xxxxx 0.284	A	xxxxx 0.284	+ 0.000 V/C
# 44 Fairway Dr & Five Star Blvd	A	xxxxx 0.350	A	xxxxx 0.350	+ 0.000 V/C
# 45 Fairway Dr & Home Depot Dwy	A	xxxxx 0.388	A	xxxxx 0.388	+ 0.000 V/C
# 46 Fairway Dr & Target Dwy/Roseha	A	xxxxx 0.362	A	xxxxx 0.362	+ 0.000 V/C
# 47 Del Webb Blvd/Village Green Dr	A	xxxxx 0.313	A	xxxxx 0.313	+ 0.000 V/C
# 48 Hayden Pkwy North & Fiddymment	A	xxxxx 0.110	A	xxxxx 0.110	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing: PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 49 Hayden Pkwy South & Fiddymment	A	xxxxx 0.293	A	xxxxx 0.293	+ 0.000 V/C
# 50 Baseline Rd/Main St & Foothill	B	xxxxx 0.665	B	xxxxx 0.665	+ 0.000 V/C
# 51 Misty Wood Dr/NEC Dwy & Foothi	A	xxxxx 0.238	A	xxxxx 0.238	+ 0.000 V/C
# 52 Albertsons Dr & Foothills Blvd	A	xxxxx 0.246	A	xxxxx 0.246	+ 0.000 V/C
# 54 Roseville Pkwy/HP Central Dwy	A	xxxxx 0.265	A	xxxxx 0.265	+ 0.000 V/C
# 55 HP South Dwy & Foothills Blvd	A	xxxxx 0.324	A	xxxxx 0.324	+ 0.000 V/C
# 56 Junction Blvd & Foothills Blvd	B	xxxxx 0.611	B	xxxxx 0.611	+ 0.000 V/C
# 57 McAnally Dr & Foothills Blvd	A	xxxxx 0.487	A	xxxxx 0.487	+ 0.000 V/C
# 58 Pleasant Grove Blvd & Foothill	C	xxxxx 0.733	C	xxxxx 0.733	+ 0.000 V/C
# 59 Rand Way/Pilgrims Dr & Foothil	A	xxxxx 0.393	A	xxxxx 0.393	+ 0.000 V/C
# 60 Vineyard Rd & Foothills Blvd	A	xxxxx 0.513	A	xxxxx 0.513	+ 0.000 V/C
# 61 Antelope Creek Dr & Galleria B	B	xxxxx 0.608	B	xxxxx 0.608	+ 0.000 V/C
# 62 Berry St & Galleria Blvd	A	xxxxx 0.574	A	xxxxx 0.574	+ 0.000 V/C
# 63 Roseville Pkwy & Galleria Blvd	D	xxxxx 0.847	D	xxxxx 0.847	+ 0.000 V/C
# 64 Wills Rd & Harding Blvd	A	xxxxx 0.539	A	xxxxx 0.539	+ 0.000 V/C
# 65 Estates Dr & Harding Blvd	A	xxxxx 0.533	A	xxxxx 0.533	+ 0.000 V/C
# 66 Lead Hill Blvd & Harding Blvd	C	xxxxx 0.726	C	xxxxx 0.726	+ 0.000 V/C
# 67 Roseville Square Dwy & Harding	A	xxxxx 0.567	A	xxxxx 0.567	+ 0.000 V/C
# 68 Junction Blvd & Stonecrest Dr/	A	xxxxx 0.148	A	xxxxx 0.148	+ 0.000 V/C
# 69 Junction Blvd & Americana Dr	xxxxx	0.000	xxxxx	0.000	+ 0.000 V/C
# 70 Baseline Rd & Junction Blvd	A	xxxxx 0.377	A	xxxxx 0.377	+ 0.000 V/C
# 71 Junction Blvd & Country Club D	A	xxxxx 0.310	A	xxxxx 0.310	+ 0.000 V/C
# 72 Junction Blvd & Park Regency D	A	xxxxx 0.301	A	xxxxx 0.301	+ 0.000 V/C
# 73 Junction Blvd & Porter Dr	A	xxxxx 0.310	A	xxxxx 0.310	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing: PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 74 Junction Blvd & Revere Dr	A	xxxxx 0.252	A	xxxxx 0.252	+ 0.000 V/C
# 75 Junction Blvd & Washington Blv	A	xxxxx 0.451	A	xxxxx 0.451	+ 0.000 V/C
# 76 Junction Blvd & Woodcreek Oaks	A	xxxxx 0.291	A	xxxxx 0.291	+ 0.000 V/C
# 77 Lead Hill Blvd & N. Sunrise Av	C	xxxxx 0.767	C	xxxxx 0.767	+ 0.000 V/C
# 78 Lead Hill Blvd & Rocky Ridge D	A	xxxxx 0.572	A	xxxxx 0.572	+ 0.000 V/C
# 79 Lead Hill Blvd & Wal-Mart Dwy	A	xxxxx 0.341	A	xxxxx 0.341	+ 0.000 V/C
# 80 N. Sunrise Ave & Automall Dr	A	xxxxx 0.382	A	xxxxx 0.382	+ 0.000 V/C
# 81 Stone Point Dr & N. Sunrise Av	A	xxxxx 0.208	A	xxxxx 0.208	+ 0.000 V/C
# 82 Sierra Gardens Dr & N. Sunrise	A	xxxxx 0.547	A	xxxxx 0.547	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A	xxxxx 0.120	A	xxxxx 0.120	+ 0.000 V/C
# 84 PFE Rd & Hilltop Cir	A	xxxxx 0.323	A	xxxxx 0.323	+ 0.000 V/C
# 85 Fairway Dr & Pleasant Grove Bl	B	xxxxx 0.647	B	xxxxx 0.647	+ 0.000 V/C
# 86 Pleasant Grove Blvd & Fiddymen	A	xxxxx 0.414	A	xxxxx 0.414	+ 0.000 V/C
# 87 Pleasant Grove Blvd & Gold Coa	A	xxxxx 0.543	A	xxxxx 0.543	+ 0.000 V/C
# 88 Highland Park Dr & Pleasant Gr	A	xxxxx 0.403	A	xxxxx 0.403	+ 0.000 V/C
# 89 Market St & Pleasant Grove Blv	A	xxxxx 0.200	A	xxxxx 0.200	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A	xxxxx 0.395	A	xxxxx 0.395	+ 0.000 V/C
# 91 Pleasant Grove Blvd & Monument	A	xxxxx 0.220	A	xxxxx 0.220	+ 0.000 V/C
# 92 Pleasant Grove Blvd & Rose Cre	A	xxxxx 0.377	A	xxxxx 0.377	+ 0.000 V/C
# 93 Pleasant Grove Blvd & Rosevill	D	xxxxx 0.807	D	xxxxx 0.807	+ 0.000 V/C
# 94 Pleasant Grove Blvd & Sun City	A	xxxxx 0.327	A	xxxxx 0.327	+ 0.000 V/C
# 95 Highland Pointe Dr & Pleasant	C	xxxxx 0.725	C	xxxxx 0.725	+ 0.000 V/C
# 96 Pleasant Grove Blvd & Washingt	B	xxxxx 0.652	B	xxxxx 0.652	+ 0.000 V/C
# 97 Pleasant Grove Blvd & Country	A	xxxxx 0.501	A	xxxxx 0.501	+ 0.000 V/C
# 98 Pleasant Grove Blvd & Woodcree	A	xxxxx 0.532	A	xxxxx 0.532	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing: PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 99 Maidu Dr & Rocky Ridge Dr	A	xxxxx 0.412	A	xxxxx 0.412	+ 0.000 V/C
#100 McLaren Dr & Rocky Ridge Dr	A	xxxxx 0.367	A	xxxxx 0.367	+ 0.000 V/C
#101 Professional Dr & Rocky Ridge	A	xxxxx 0.536	A	xxxxx 0.536	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A	xxxxx 0.146	A	xxxxx 0.146	+ 0.000 V/C
#103 Roseville Pkwy & Chase Dr	A	xxxxx 0.440	A	xxxxx 0.440	+ 0.000 V/C
#104 Roseville Pkwy & Creekside Rid	B	xxxxx 0.693	B	xxxxx 0.693	+ 0.000 V/C
#105 Roseville Pkwy & Gibson Dr Eas	A	xxxxx 0.518	A	xxxxx 0.518	+ 0.000 V/C
#106 Roseville Pkwy & N. Sunrise Av	C	xxxxx 0.750	C	xxxxx 0.750	+ 0.000 V/C
#107 Roseville Pkwy & Reserve Dr	B	xxxxx 0.620	B	xxxxx 0.620	+ 0.000 V/C
#108 Roseville Pkwy & Secret Ravine	A	xxxxx 0.592	A	xxxxx 0.592	+ 0.000 V/C
#109 Roseville Pkwy & Taylor Rd	C	xxxxx 0.771	C	xxxxx 0.771	+ 0.000 V/C
#110 West Mall Dwy & Roseville Pkwy	A	xxxxx 0.563	A	xxxxx 0.563	+ 0.000 V/C
#111 Alexandra Dr & Roseville Pkwy	A	xxxxx 0.484	A	xxxxx 0.484	+ 0.000 V/C
#112 Eureka Rd & Roseville Pkwy	B	xxxxx 0.641	B	xxxxx 0.641	+ 0.000 V/C
#113 Lead Hill Blvd/Orvieto Dr & R	A	xxxxx 0.452	A	xxxxx 0.452	+ 0.000 V/C
#114 Roseville Pkwy & N. Cirby Way	A	xxxxx 0.474	A	xxxxx 0.474	+ 0.000 V/C
#115 Olympus Dr & Roseville Pkwy	A	xxxxx 0.546	A	xxxxx 0.546	+ 0.000 V/C
#116 Rocky Ridge Dr & Roseville Pkw	A	xxxxx 0.441	A	xxxxx 0.441	+ 0.000 V/C
#117 Roseville Pkwy & Sierra Colleg	B	xxxxx 0.637	B	xxxxx 0.637	+ 0.000 V/C
#118 Trestle Rd & Roseville Pkwy	A	xxxxx 0.235	A	xxxxx 0.235	+ 0.000 V/C
#119 Village Dr & Roseville Pkwy	A	xxxxx 0.349	A	xxxxx 0.349	+ 0.000 V/C
#120 Roseville Pkwy & Washington Bl	B	xxxxx 0.652	B	xxxxx 0.652	+ 0.000 V/C
#121 S Cirby Way & Champion Oaks Dr	A	xxxxx 0.491	A	xxxxx 0.491	+ 0.000 V/C
#122 S Cirby Way & Old Auburn Rd	B	xxxxx 0.637	B	xxxxx 0.637	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#123 Secret Ravine Pkwy & Scarborou	A	xxxxx 0.273	A	xxxxx 0.273	+ 0.000 V/C
#124 Miners Ravine & Sierra College	A	xxxxx 0.401	A	xxxxx 0.401	+ 0.000 V/C
#125 Secret Ravine Pkwy & Sierra Co	A	xxxxx 0.463	A	xxxxx 0.463	+ 0.000 V/C
#126 Eureka Rd & Sierra College Blv	B	xxxxx 0.690	B	xxxxx 0.690	+ 0.000 V/C
#127 Indigo Creek Apts & Sierra Col	A	xxxxx 0.479	A	xxxxx 0.479	+ 0.000 V/C
#128 Old Auburn Rd & Sierra College	D	xxxxx 0.810	D	xxxxx 0.810	+ 0.000 V/C
#129 Olympus Dr & Sierra College Bl	A	xxxxx 0.414	A	xxxxx 0.414	+ 0.000 V/C
#130 Fairway Dr & Stanford Ranch Rd	A	xxxxx 0.531	A	xxxxx 0.531	+ 0.000 V/C
#131 Five Star Blvd & Stanford Ranc	B	xxxxx 0.639	B	xxxxx 0.639	+ 0.000 V/C
#132 Highland Park Dr & Stanford Ra	A	xxxxx 0.296	A	xxxxx 0.296	+ 0.000 V/C
#133 Coloma Way & Sunrise Ave	B	xxxxx 0.640	B	xxxxx 0.640	+ 0.000 V/C
#134 Sandringham Way/Kensington Dr	A	xxxxx 0.513	A	xxxxx 0.513	+ 0.000 V/C
#135 Sun Tree Dr/Kensington Dr & Su	B	xxxxx 0.616	B	xxxxx 0.616	+ 0.000 V/C
#136 Frances Dr & Sunrise Ave	A	xxxxx 0.574	A	xxxxx 0.574	+ 0.000 V/C
#137 Oak Ridge Dr & Sunrise Ave	A	xxxxx 0.304	A	xxxxx 0.304	+ 0.000 V/C
#138 Diamond Oaks Rd & Washington B	B	xxxxx 0.690	B	xxxxx 0.690	+ 0.000 V/C
#139 Sawtell Rd/Derek Pl & Washingt	A	xxxxx 0.365	A	xxxxx 0.365	+ 0.000 V/C
#140 Hallissy Dr & Washington Blvd	A	xxxxx 0.369	A	xxxxx 0.369	+ 0.000 V/C
#141 Baseline Rd & Woodcreek Oaks B	A	xxxxx 0.543	A	xxxxx 0.543	+ 0.000 V/C
#142 Canevari Dr/Arsenault Dr & Woo	A	xxxxx 0.474	A	xxxxx 0.474	+ 0.000 V/C
#143 Horncastle Ave & Woodcreek Oak	A	xxxxx 0.374	A	xxxxx 0.374	+ 0.000 V/C
#144 McAnally Dr & Woodcreek Oaks B	A	xxxxx 0.335	A	xxxxx 0.335	+ 0.000 V/C
#145 Trailee Ln & Woodcreek Oaks Bl	A	xxxxx 0.288	A	xxxxx 0.288	+ 0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	B	xxxxx 0.647	B	xxxxx 0.647	+ 0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	C	xxxxx 0.708	C	xxxxx 0.708	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#148 Douglas Blvd & I-80 WB Off-Ram	D	xxxxx 0.801	D	xxxxx 0.801	+ 0.000 V/C
#149 Atlantic St & I-80 WB On-Ramp	A	xxxxx 0.476	A	xxxxx 0.476	+ 0.000 V/C
#150 Pleasant Grove Blvd & SR 65 NB	A	xxxxx 0.574	A	xxxxx 0.574	+ 0.000 V/C
#151 Pleasant Grove Blvd & SR 65 SB	A	xxxxx 0.569	A	xxxxx 0.569	+ 0.000 V/C
#152 I-80 WB Off-Ramp & Riverside A	B	xxxxx 0.654	B	xxxxx 0.654	+ 0.000 V/C
#153 SR 65 NB On-Ramp & Stanford Ra	D	xxxxx 0.841	D	xxxxx 0.841	+ 0.000 V/C
#154 SR 65 SB On-Ramp & Galleria Bl	B	xxxxx 0.639	B	xxxxx 0.639	+ 0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	F	xxxxx 1.090	F	xxxxx 1.090	+ 0.000 V/C
#156 Fairway Dr & Highland Park Dr	A	xxxxx 0.266	A	xxxxx 0.266	+ 0.000 V/C
#157 I-80 EB Off-Ramp/Orlando Ave &	B	xxxxx 0.602	B	xxxxx 0.602	+ 0.000 V/C
#180 Baseline Rd & Santucci Blvd	C	xxxxx 0.715	C	xxxxx 0.715	+ 0.000 V/C
#1001 Darling Way & Riverside Ave	A	xxxxx 0.472	A	xxxxx 0.472	+ 0.000 V/C
#1002 Vernon St & Douglas Blvd/River	A	xxxxx 0.421	A	xxxxx 0.421	+ 0.000 V/C
#1003 Vernon St & Grant St	A	xxxxx 0.339	A	xxxxx 0.339	+ 0.000 V/C
#1004 Vernon St & Judah St	A	xxxxx 0.278	A	xxxxx 0.278	+ 0.000 V/C
#1005 Vernon St & Lincoln St	A	xxxxx 0.598	A	xxxxx 0.598	+ 0.000 V/C
#1006 Main St & Washington Blvd	A	xxxxx 0.568	A	xxxxx 0.568	+ 0.000 V/C
#1007 Oak St & Washington Blvd	A	xxxxx 0.341	A	xxxxx 0.341	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1 Atlantic St & Tiger Way/Center St

Cycle (sec):	120	Critical Vol./Cap.(X):	0.401
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	38	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	11	2	18	72	4	42	45	734	9	7	880	214
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	2	18	72	4	42	45	734	9	7	880	214
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	11	2	18	72	4	42	45	734	9	7	880	214
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	2	18	72	4	42	45	734	9	7	880	214
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	11	2	18	72	4	42	45	734	9	7	880	214

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	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	0.10	0.90	0.95	0.05	1.00	1.00	1.98	0.02	1.00	2.00
Final Sat.:	1450	145	1305	1374	76	1450	1450	2865	35	1450	2900

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.05	0.05	0.03	0.03	0.26	0.26	0.00	0.30	0.15
Crit Volume:	20			76			45			440		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #2 Atlantic St & Wills Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.517
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	38	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	275	0	223	0	0	0	0	588	275	206	862	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	275	0	223	0	0	0	0	588	275	206	862	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	275	0	223	0	0	0	0	588	275	206	862	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	275	0	223	0	0	0	0	588	275	206	862	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	275	0	223	0	0	0	0	588	275	206	862	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000

Capacity Analysis Module:

Vol/Sat:	0.18	0.00	0.15	0.00	0.00	0.00	0.00	0.20	0.18	0.14	0.29	0.00
Crit Volume:	275			0				294		206		
Crit Moves:	****							****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #3 Atlantic St & Yosemite St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.385
 Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	221	0	70	98	539	0	0	518	381
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	221	0	70	98	539	0	0	518	381
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	221	0	70	98	539	0	0	518	381
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	221	0	70	98	539	0	0	518	381
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	221	0	70	98	539	0	0	518	381

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.15	0.00	0.05	0.07	0.18	0.00	0.00	0.17	0.25
Crit Volume:	0			221			98			259		
Crit Moves:				****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.949
 Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	0	1	1	0	2

Volume Module:

Base Vol:	21	519	196	120	601	249	573	467	5	189	361	172
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	519	196	120	601	249	573	467	5	189	361	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:	21	519	196	120	601	249	573	467	5	189	361	172
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	21	519	196	120	601	249	573	467	5	189	361	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
FinalVolume:	21	519	196	120	601	249	573	467	5	189	361	172

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	1450	1450	1450	2869	31	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.18	0.14	0.08	0.41	0.17	0.40	0.16	0.16	0.13	0.12	0.12
Crit Volume:	21			601			573			181		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #5 Blue Oaks Blvd & Crocker Ranch Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.256
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	1	1	0	3	0	0	1

Volume Module:

Base Vol:	0	0	0	121	0	20	30	531	0	0	697	187
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	121	0	20	30	531	0	0	697	187
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	121	0	20	30	531	0	0	697	187
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	121	0	20	30	531	0	0	697	187
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	121	0	20	30	531	0	0	697	187

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	0.00	1.00	0.00	1.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.08	0.00	0.01	0.02	0.12	0.00	0.00	0.15	0.12
Crit Volume:	0			121			30			232		
Crit Moves:				****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #6 Blue Oaks Blvd & Del Webb Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.216
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	3	0	1	1

Volume Module:

Base Vol:	9	0	107	0	0	0	0	476	10	156	540	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	0	107	0	0	0	0	476	10	156	540	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	9	0	107	0	0	0	0	476	10	156	540	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	0	107	0	0	0	0	476	10	156	540	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	9	0	107	0	0	0	0	476	10	156	540	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.11	0.01	0.10	0.12	0.00
Crit Volume:	9			0			159			156		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #7 Blue Oaks Blvd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.264
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	2	0

Volume Module:

Base Vol:	2	242	344	54	236	10	5	36	2	367	86	76
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	242	344	54	236	10	5	36	2	367	86	76
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:	2	242	344	54	236	10	5	36	2	367	86	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	242	344	54	236	10	5	36	2	367	86	76
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:	2	242	344	54	236	10	5	36	2	367	86	76

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.08	0.24	0.02	0.08	0.01	0.00	0.01	0.00	0.13	0.02	0.05
Crit Volume:	344			27			12			0		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #8 Blue Oaks Blvd & New Meadow Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.627
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 61 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	2	0	0	1	0	2

Volume Module:

Base Vol:	0	0	0	107	0	24	29	1143	0	10	1716	192
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	107	0	24	29	1143	0	10	1716	192
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	107	0	24	29	1143	0	10	1716	192
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	107	0	24	29	1143	0	10	1716	192
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	107	0	24	29	1143	0	10	1716	192

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	0.00	2.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	1500	3000	0	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.02	0.02	0.38	0.00	0.01	0.57	0.13
Crit Volume:	0			53			29			858		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #9 Blue Oaks Blvd & Orchard View

Cycle (sec): 100 Critical Vol./Cap.(X): 0.132
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 1 0 3 0 0 0 0 3 0 1

Volume Module:
Base Vol: 0 0 0 23 0 6 8 427 0 0 499 51
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 23 0 6 8 427 0 0 499 51
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 23 0 6 8 427 0 0 499 51
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 23 0 6 8 427 0 0 499 51
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 23 0 6 8 427 0 0 499 51

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 0.00 1.00 0.00 1.00 1.00 3.00 0.00 0.00 3.00 1.00
Final Sat.: 0 0 0 1500 0 1500 1500 4500 0 0 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.02 0.00 0.00 0.01 0.09 0.00 0.00 0.11 0.03
Crit Volume: 0 23 8 166
Crit Moves: ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #10 Blue Oaks Blvd & Diamond Creek Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.390
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Split Phase Split Phase Protected Protected
Rights: Ovl Include Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 1 0 1 1 0 1! 0 0 1 0 2 0 1 1

Volume Module:
Base Vol: 19 15 50 204 26 15 32 592 25 70 783 278
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 19 15 50 204 26 15 32 592 25 70 783 278
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: 19 15 50 204 26 15 32 592 25 70 783 278
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 19 15 50 204 26 15 32 592 25 70 783 278
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 19 15 50 204 26 15 32 592 25 70 783 278

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 1.00 1.00 1.67 0.21 0.12 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1450 1450 1450 2415 308 178 1450 2900 1450 1450 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.01 0.01 0.03 0.08 0.08 0.08 0.02 0.20 0.02 0.05 0.27 0.19
Crit Volume: 19 123 32 392
Crit Moves: ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #11 Blue Oaks Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.707
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 78 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	259	33	463	365	164	69	26	1039	134	266	1574	38
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	259	33	463	365	164	69	26	1039	134	266	1574	38
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:	259	33	0	365	164	69	26	1039	134	266	1574	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	259	33	0	365	164	69	26	1039	134	266	1574	38
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	259	33	0	365	164	69	26	1039	134	266	1574	38

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.01	0.00	0.13	0.06	0.05	0.02	0.36	0.09	0.09	0.54	0.03
Crit Volume:	130			82			26			787		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #12 Blue Oaks Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.507
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	135	109	193	209	77	28	120	683	69	470	911	354
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	135	109	193	209	77	28	120	683	69	470	911	354
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	109	193	209	77	28	120	683	69	470	911	354
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	109	193	209	77	28	120	683	69	470	911	354
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	135	109	193	209	77	28	120	683	69	470	911	354

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.04	0.13	0.07	0.03	0.02	0.08	0.24	0.05	0.16	0.31	0.24
Crit Volume:	55			104			342			235		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #13 Cirby Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.820
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 127 Level Of Service: D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ignore	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	325	962	40	238	967	239	375	826	268	238	712	62
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	325	962	40	238	967	239	375	826	268	238	712	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	325	962	40	238	967	239	375	826	0	238	712	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	325	962	40	238	967	239	375	826	0	238	712	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	325	962	40	238	967	239	375	826	0	238	712	62

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.33	0.03	0.08	0.33	0.16	0.13	0.28	0.00	0.08	0.25	0.04
Crit Volume:	163	484			188					356		
Crit Moves:	****	****			****					****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #14 Cirby Way & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.647
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Ignore	Include	Ignore	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 2 0 1	2 0 1 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0	395	220	1204	323	0	0	0	0	343	0	1562
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	395	220	1204	323	0	0	0	0	343	0	1562
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.25
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	395	0	1204	323	0	0	0	0	343	0	391
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	395	0	1204	323	0	0	0	0	343	0	391
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	0	395	0	1204	323	0	0	0	0	343	0	391

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	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.13	0.00	0.40	0.22	0.00	0.00	0.00	0.00	0.11	0.00	0.26
Crit Volume:	197	602								172		
Crit Moves:	****	****								****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #15 Cirby Way & Melody Ln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.656
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 1	0 0 0 0 0	0 0 2 1 0	2 0 2 0 0

Volume Module:

Base Vol:	0	0	230	0	0	0	0	1488	8	220	1825	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	230	0	0	0	0	1488	8	220	1825	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	230	0	0	0	0	1488	8	220	1825	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	230	0	0	0	0	1488	8	220	1825	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	230	0	0	0	0	1488	8	220	1825	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	0.00	1.00	0.00	0.00	0.00	0.00	2.98	0.02	2.00	2.00	0.00
Final Sat.:	0	0	1575	0	0	0	0	4700	25	3150	3150	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.32	0.32	0.07	0.58	0.00
Crit Volume:	230	0	0	0	0	0	0	913	913	0	0	0
Crit Moves:	****			****				****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #16 Cirby Way & Northridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.630
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 62 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 0 0	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	2	1	18	34	0	11	11	1442	0	12	1776	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	1	18	34	0	11	11	1442	0	12	1776	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:	2	1	18	34	0	11	11	1442	0	12	1776	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1	18	34	0	11	11	1442	0	12	1776	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	1	18	34	0	11	11	1442	0	12	1776	9

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.09	0.05	0.86	1.00	0.00	1.00	1.00	2.00	0.00	1.00	1.99	0.01
Final Sat.:	145	73	1305	1523	0	1523	1523	3045	0	1523	3030	15

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.47	0.00	0.01	0.59	0.59
Crit Volume:	21	34	11	11	0	11	11	893	0	11	893	893
Crit Moves:	****	****	****	****		****		****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #17 Cirby Way & Oak Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.411
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	0	0	1! 0 0	1	0	1 1 0	1	0	1 1 0

Volume Module:

Base Vol:	16	6	36	22	12	35	42	1018	10	49	943	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	16	6	36	22	12	35	42	1018	10	49	943	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	16	6	36	22	12	35	42	1018	10	49	943	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	6	36	22	12	35	42	1018	10	49	943	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	16	6	36	22	12	35	42	1018	10	49	943	13

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.28	0.10	0.62	0.32	0.17	0.51	1.00	1.98	0.02	1.00	1.97	0.03
Final Sat.:	434	163	978	502	274	799	1575	3119	31	1575	3107	43

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.33	0.33	0.03	0.30	0.30
Crit Volume:	16			69			514		49			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #18 Cirby Way & Orlando Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.653
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 66 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0 0 1	0	1	0 0 1	1	0	1 1 0	1	0	1 1 0

Volume Module:

Base Vol:	32	3	448	8	2	16	13	1015	57	128	1182	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	32	3	448	8	2	16	13	1015	57	128	1182	5
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	3	448	8	2	16	13	1015	57	128	1182	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	3	448	8	2	16	13	1015	57	128	1182	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	32	3	448	8	2	16	13	1015	57	128	1182	5

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.91	0.09	1.00	0.80	0.20	1.00	1.00	1.89	0.11	1.00	1.99	0.01
Final Sat.:	1392	131	1523	1218	305	1523	1523	2883	162	1523	3032	13

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.29	0.01	0.01	0.01	0.01	0.35	0.35	0.08	0.39	0.39
Crit Volume:			448		10			536		0		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #19 Cirby Way & Parkview Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.375
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	30	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	17	0	7	19	0	12	29	932	0	11	986	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	0	7	19	0	12	29	932	0	11	986	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	17	0	7	19	0	12	29	932	0	11	986	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	0	7	19	0	12	29	932	0	11	986	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	17	0	7	19	0	12	29	932	0	11	986	13

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.71	0.00	0.29	1.00	0.00	1.00	1.00	2.00	0.00	1.00	1.97	0.03
Final Sat.:	1078	0	444	1523	0	1523	1523	3045	0	1523	3005	40

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Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.01	0.00	0.01	0.02	0.31	0.00	0.01	0.33	0.33
Crit Volume:	24	19	24	19	29	29	29	500		500	500	500
Crit Moves:	****	****	****	****	****	****	****	****		****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #20 Cirby Way & Riverside Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.832
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	136	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 3 0 1	2 0 2 0 2	2 0 1 1 0

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Volume Module:

Base Vol:	1062	539	174	152	435	108	158	635	1024	367	822	82
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1062	539	174	152	435	108	158	635	1024	367	822	82
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	1062	539	174	152	435	108	158	635	0	367	822	82
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1062	539	174	152	435	108	158	635	0	367	822	82
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	1062	539	174	152	435	108	158	635	0	367	822	82

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	2.00	2.00	2.00	1.82	0.18
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	2900	2900	2900	2637	263

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Capacity Analysis Module:

Vol/Sat:	0.37	0.19	0.12	0.05	0.10	0.07	0.05	0.22	0.00	0.13	0.31	0.31
Crit Volume:	531	145	79	145	79	79	79	452		452	452	452
Crit Moves:	****	****	****	****	****	****	****	****		****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #21 Cirby Way & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.656
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Permitted	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	1 1 0 0 1	1 1 0 1 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	479	0	632	462	501	0	0	530	174
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	479	0	632	462	501	0	0	530	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:	0	0	0	479	0	632	462	501	0	0	530	174
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	479	0	632	462	501	0	0	530	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
FinalVolume:	0	0	0	479	0	632	462	501	0	0	530	174

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	1.00	0.00	2.00	0.00	1.00	1.44	1.56	0.00	0.00	1.51	0.49
Final Sat.:	0	1500	0	3000	0	1500	2159	2341	0	0	2259	741

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.16	0.00	0.42	0.21	0.21	0.00	0.00	0.23	0.23
Crit Volume:	0			632	0						352	
Crit Moves:				****	****						****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #22 Cirby Way & San Simeon Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	30	0	35	0	0	0	0	1392	14	38	1272	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	30	0	35	0	0	0	0	1392	14	38	1272	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:	30	0	35	0	0	0	0	1392	14	38	1272	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	30	0	35	0	0	0	0	1392	14	38	1272	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:	30	0	35	0	0	0	0	1392	14	38	1272	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.98	0.02	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3119	31	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.45	0.45	0.02	0.40	0.00
Crit Volume:	30			0				703		38		
Crit Moves:	****							****	****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #23 Cirby Way & Vernon St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.793
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 110 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	2	0	1	2	0	1

Volume Module:

Base Vol:	75	69	130	92	103	305	150	1226	29	82	1540	49
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	69	130	92	103	305	150	1226	29	82	1540	49
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	75	69	130	92	103	305	150	1226	29	82	1540	49
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	69	130	92	103	305	150	1226	29	82	1540	49
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	75	69	130	92	103	305	150	1226	29	82	1540	49

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	2.00	1.95	0.05	2.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	2833	67	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.09	0.06	0.07	0.21	0.05	0.43	0.43	0.03	0.53	0.03
Crit Volume:	75			305			0			770		
Crit Moves:	****			****	****					****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #24 Douglas Blvd & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.657
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	1	2

Volume Module:

Base Vol:	398	432	28	428	451	107	153	1212	463	65	1356	377
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	398	432	28	428	451	107	153	1212	463	65	1356	377
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	398	432	28	428	451	0	153	1212	463	65	1356	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	398	432	28	428	451	0	153	1212	463	65	1356	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	398	432	28	428	451	0	153	1212	463	65	1356	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.14	0.15	0.02	0.15	0.16	0.00	0.05	0.28	0.32	0.02	0.31	0.00
Crit Volume:	199			226			77			452		
Crit Moves:	****			****	****		****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #25 Douglas Blvd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.744
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 89 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	2	0	2	0	1	2	0

Volume Module:

Base Vol:	321	423	161	215	575	132	175	1341	120	320	1628	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	321	423	161	215	575	132	175	1341	120	320	1628	119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	321	423	161	215	575	132	175	1341	0	320	1628	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	321	423	161	215	575	132	175	1341	0	320	1628	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	321	423	161	215	575	132	175	1341	0	320	1628	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.15	0.11	0.07	0.20	0.09	0.06	0.31	0.00	0.11	0.37	0.00
Crit Volume:	161			288			88			543		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #26 Douglas Blvd & Santa Clara Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.680
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	1	1	0	2	1	0	2

Volume Module:

Base Vol:	40	19	80	152	44	162	141	1669	30	53	1890	38
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	19	80	152	44	162	141	1669	30	53	1890	38
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	19	80	152	44	162	141	1669	30	53	1890	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	19	80	152	44	162	141	1669	30	53	1890	38
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	40	19	80	152	44	162	141	1669	30	53	1890	38

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.19	0.81	1.00	1.00	1.00	1.00	2.95	0.05	1.00	2.94	0.06
Final Sat.:	1523	292	1230	1523	1523	1523	1523	4487	81	1523	4477	90

Capacity Analysis Module:

Vol/Sat:	0.03	0.07	0.07	0.10	0.03	0.11	0.09	0.37	0.37	0.03	0.42	0.42
Crit Volume:	99	152		141			141			643		
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #27 Douglas Blvd & Sierra Gardens Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.615
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 59 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1! 0 0	1	0	1! 0 0	1	0	2 1 0	1	0	2 1 0

Volume Module:

Base Vol:	175	37	34	190	22	32	50	1674	40	40	1880	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	175	37	34	190	22	32	50	1674	40	40	1880	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	175	37	34	190	22	32	50	1674	40	40	1880	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	175	37	34	190	22	32	50	1674	40	40	1880	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	175	37	34	190	22	32	50	1674	40	40	1880	42

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.42	0.30	0.28	1.56	0.18	0.26	1.00	2.93	0.07	1.00	2.93	0.07
Final Sat.:	2166	458	421	2371	275	399	1523	4461	107	1523	4468	100

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.08	0.08	0.08	0.03	0.38	0.38	0.03	0.42	0.42
Crit Volume:	123			122		50				641		
Crit Moves:	****			****		****				****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #28 Douglas Blvd & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.865
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 169 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1 1 0	2	0	2 0 1	2	0	3 0 1	2	0	3 0 1

Volume Module:

Base Vol:	357	442	127	125	561	489	366	1563	133	257	1762	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	357	442	127	125	561	489	366	1563	133	257	1762	100
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:	357	442	127	125	561	489	366	1563	133	257	1762	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	357	442	127	125	561	489	366	1563	133	257	1762	100
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:	357	442	127	125	561	489	366	1563	133	257	1762	100

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.55	0.45	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2253	647	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.20	0.20	0.04	0.19	0.34	0.13	0.36	0.09	0.09	0.41	0.07
Crit Volume:	179			489		0				587		
Crit Moves:	****			****		****				****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #29 Douglas Blvd & Target Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.637
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	1 0 0 1 0	1 0 2 1 0	1 0 2 1 0

Volume Module:

Base Vol:	100	24	67	87	10	97	152	1548	37	71	1818	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	100	24	67	87	10	97	152	1548	37	71	1818	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	100	24	67	87	10	97	152	1548	37	71	1818	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	24	67	87	10	97	152	1548	37	71	1818	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	100	24	67	87	10	97	152	1548	37	71	1818	14

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.26	0.74	1.00	0.09	0.91	1.00	2.93	0.07	1.00	2.98	0.02
Final Sat.:	1523	402	1121	1523	142	1380	1523	4461	107	1523	4533	35

Capacity Analysis Module:

Vol/Sat:	0.07	0.06	0.06	0.06	0.07	0.07	0.10	0.35	0.35	0.05	0.40	0.40
Crit Volume:	100				107	152				611		
Crit Moves:	****				****	****				****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #30 Douglas Blvd & E Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.813
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 122 Level Of Service: D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	155	577	51	681	645	94	174	1494	171	104	1291	698
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	155	577	51	681	645	94	174	1494	171	104	1291	698
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	155	577	51	681	645	0	174	1494	171	104	1291	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	577	51	681	645	0	174	1494	171	104	1291	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	155	577	51	681	645	0	174	1494	171	104	1291	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1450	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.20	0.04	0.23	0.22	0.00	0.06	0.34	0.12	0.04	0.30	0.00
Crit Volume:	289			341			498			52		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #31 Douglas Blvd & Folsom Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.557
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	51	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	1 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	5	5	13	280	4	58	46	796	4	21	1171	103
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	5	13	280	4	58	46	796	4	21	1171	103
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:	5	5	13	280	4	58	46	796	4	21	1171	103
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	5	13	280	4	58	46	796	4	21	1171	103
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:	5	5	13	280	4	58	46	796	4	21	1171	103

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.22	0.22	0.56	1.97	0.03	1.00	1.00	1.99	0.01	1.00	1.84	0.16
Final Sat.:	331	331	861	3002	43	1523	1523	3030	15	1523	2799	246

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Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.09	0.09	0.04	0.03	0.26	0.26	0.01	0.42	0.42
Crit Volume:	23	142	46	637								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #32 Douglas Blvd & Harding Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.821
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	128	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ignore	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 0 1	1 1 0 0 1	1 0 1 1 0	1 0 2 0 1

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Volume Module:

Base Vol:	31	35	84	755	9	249	189	927	9	67	1170	465
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	31	35	84	755	9	249	189	927	9	67	1170	465
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:	31	35	0	755	9	249	189	927	9	67	1170	465
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	35	0	755	9	249	189	927	9	67	1170	465
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	31	35	0	755	9	249	189	927	9	67	1170	465

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.98	0.02	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2866	34	1450	1450	2872	28	1450	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.00	0.26	0.26	0.17	0.13	0.32	0.32	0.05	0.40	0.32
Crit Volume:	35	382	189	585								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #33 Douglas Blvd & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.470
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Permitted	Permitted
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 0	0 1 0 0 1	0 0 1 1 0	0 0 1 0 1

Volume Module:

Base Vol:	3	3	0	224	0	10	0	339	0	0	510	245
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	3	0	224	0	10	0	339	0	0	510	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:	3	3	0	224	0	10	0	339	0	0	510	245
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	3	0	224	0	10	0	339	0	0	510	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:	3	3	0	224	0	10	0	339	0	0	510	245

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.50	0.50	0.00	1.00	0.00	1.00	0.00	2.00	0.00	0.00	1.00	1.00
Final Sat.:	788	788	0	1575	0	1575	0	3150	0	0	1575	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.14	0.00	0.01	0.00	0.11	0.00	0.00	0.32	0.16
Crit Volume:	6	224	0	0	0	0	0	510	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #34 Douglas Blvd & Keehner Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.315
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	45	0	122	0	0	0	0	661	15	113	285	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	0	122	0	0	0	0	661	15	113	285	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:	45	0	122	0	0	0	0	661	15	113	285	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	0	122	0	0	0	0	661	15	113	285	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:	45	0	122	0	0	0	0	661	15	113	285	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.96	0.04	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3080	70	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.08	0.00	0.00	0.00	0.00	0.21	0.07	0.09	0.00	0.00
Crit Volume:	45	0	0	0	0	0	0	338	113	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #35 Douglas Blvd & Park Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.304
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	1	0	0 1 0	0	0	2 0 1	1	0	2 0 0

Volume Module:

Base Vol:	22	0	22	56	8	24	0	567	23	20	725	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	0	22	56	8	24	0	567	23	20	725	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	22	0	22	56	8	24	0	567	0	20	725	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	0	22	56	8	24	0	567	0	20	725	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	22	0	22	56	8	24	0	567	0	20	725	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.50	0.00	0.50	1.00	0.25	0.75	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	761	0	761	1523	381	1142	0	3045	1523	1523	3045	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.03	0.04	0.02	0.02	0.00	0.19	0.00	0.01	0.24	0.00
Crit Volume:	44	56					0			363		
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #36 Douglas Blvd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.798
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 113 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3 0 1	2	0	2 1 0	2	0	3 0 1	2	0	3 0 1

Volume Module:

Base Vol:	467	895	222	226	703	56	292	1544	264	313	1242	189
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	467	895	222	226	703	56	292	1544	264	313	1242	189
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	467	895	0	226	703	56	292	1544	264	313	1242	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	467	895	0	226	703	56	292	1544	264	313	1242	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	467	895	0	226	703	56	292	1544	264	313	1242	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	2.78	0.22	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4029	321	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.21	0.00	0.08	0.17	0.17	0.10	0.35	0.18	0.11	0.29	0.00
Crit Volume:	234			253			515			157		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #37 Eureka Rd & Lead Hill Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.401
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	207	944	81	95	687	35	95	153	151	49	160	120
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	207	944	81	95	687	35	95	153	151	49	160	120
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	207	944	0	95	687	0	95	153	0	49	160	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	207	944	0	95	687	0	95	153	0	49	160	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	207	944	0	95	687	0	95	153	0	49	160	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.14	0.21	0.00	0.06	0.15	0.00	0.06	0.05	0.00	0.03	0.05	0.00
Crit Volume:	207			229			95			80		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #38 Eureka Rd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.661
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	478	531	202	137	455	161	211	1186	415	136	1389	85
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	478	531	202	137	455	161	211	1186	415	136	1389	85
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	478	531	0	137	455	0	211	1186	0	136	1389	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	478	531	0	137	455	0	211	1186	0	136	1389	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	478	531	0	137	455	0	211	1186	0	136	1389	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.12	0.00	0.05	0.10	0.00	0.07	0.27	0.00	0.05	0.32	0.00
Crit Volume:	239			152			106			463		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #39 Eureka Rd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.655
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 66 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	64	1092	39	111	872	236	347	283	18	48	256	105
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	1092	39	111	872	236	347	283	18	48	256	105
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	64	1092	0	111	872	0	347	283	0	48	256	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	64	1092	0	111	872	0	347	283	0	48	256	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	64	1092	0	111	872	0	347	283	0	48	256	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.25	0.00	0.08	0.20	0.00	0.24	0.10	0.00	0.03	0.09	0.00
Crit Volume:	364			111			347			128		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #40 Eureka Rd & Ashland Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.213
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	28	3	10	7	5	3	47	388	47	39	385	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	3	10	7	5	3	47	388	47	39	385	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:	28	3	10	7	5	3	47	388	47	39	385	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	3	10	7	5	3	47	388	47	39	385	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	28	3	10	7	5	3	47	388	47	39	385	9

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.69	0.07	0.24	0.58	0.42	1.00	1.00	1.78	0.22	1.00	2.00	1.00
Final Sat.:	990	106	354	846	604	1450	1450	2587	313	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.01	0.01	0.00	0.03	0.15	0.15	0.03	0.13	0.01
Crit Volume:	41			12			218			39		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #41 Eureka Rd & Deer Valley Apts Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.335
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	7	538	9	57	875	12	19	2	5	12	4	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	7	538	9	57	875	12	19	2	5	12	4	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	7	538	9	57	875	12	19	2	5	12	4	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	538	9	57	875	12	19	2	5	12	4	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	7	538	9	57	875	12	19	2	5	12	4	42

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.97	0.03	1.00	1.97	0.03	1.00	0.29	0.71	0.75	0.25	1.00
Final Sat.:	1450	2852	48	1450	2861	39	1450	414	1036	1088	363	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.19	0.19	0.04	0.31	0.31	0.01	0.00	0.00	0.01	0.01	0.03
Crit Volume:	7			444	19					16		
Crit Moves:	****			****	****					****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #42 Fairway Dr & Central Park Dr/Lowes Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.397
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	128	42	92	25	27	59	66	707	153	139	795	28
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	128	42	92	25	27	59	66	707	153	139	795	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	128	42	92	25	27	59	66	707	153	139	795	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	128	42	92	25	27	59	66	707	153	139	795	28
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:	128	42	92	25	27	59	66	707	153	139	795	28

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.51	0.49	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2293	752	1523	1523	1523	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.06	0.02	0.02	0.04	0.04	0.23	0.10	0.09	0.26	0.02
Crit Volume:	85			27			354			139		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #43 Fairway Dr & Cortina Cir

Cycle (sec): 100 Critical Vol./Cap.(X): 0.284
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Split Phase Split Phase
Rights: Ovl Ovl Ovl Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 2 0 1 1 0 2 0 1 1 1 0 0 1 1 0 0 1 0

Volume Module:
Base Vol: 26 631 26 42 671 20 50 0 27 29 0 24
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 26 631 26 42 671 20 50 0 27 29 0 24
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 26 631 26 42 671 20 50 0 27 29 0 24
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 26 631 26 42 671 20 50 0 27 29 0 24
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 26 631 26 42 671 20 50 0 27 29 0 24

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 2.00 0.00 1.00 1.00 0.00 1.00
Final Sat.: 1450 2900 1450 1450 2900 1450 2900 0 1450 1450 0 1450

Capacity Analysis Module:
Vol/Sat: 0.02 0.22 0.02 0.03 0.23 0.01 0.02 0.00 0.02 0.02 0.00 0.02
Crit Volume: 316 42 25 29
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #44 Fairway Dr & Five Star Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.350
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Split Phase Split Phase Protected Protected
Rights: Ovl Ovl Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 1 0 0 1 0 1 0 0 1 1 0 2 0 1 1 0 2 0 1

Volume Module:
Base Vol: 371 61 31 11 48 31 34 445 380 36 297 34
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 371 61 31 11 48 31 34 445 380 36 297 34
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 371 61 31 11 48 31 34 445 380 36 297 34
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 371 61 31 11 48 31 34 445 380 36 297 34
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 371 61 31 11 48 31 34 445 380 36 297 34

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05
Lanes: 1.72 0.28 1.00 0.19 0.81 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 2615 430 1523 284 1239 1523 1523 3045 1523 1523 3045 1523

Capacity Analysis Module:
Vol/Sat: 0.14 0.14 0.02 0.04 0.04 0.02 0.02 0.15 0.25 0.02 0.10 0.02
Crit Volume: 216 59 222 36
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #45 Fairway Dr & Home Depot Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.388
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1! 0 0	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	154	36	10	2	18	19	28	807	70	67	698	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	154	36	10	2	18	19	28	807	70	67	698	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	154	36	10	2	18	19	28	807	70	67	698	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	154	36	10	2	18	19	28	807	70	67	698	6
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:	154	36	10	2	18	19	28	807	70	67	698	6

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.54	0.36	0.10	0.10	0.90	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2345	548	152	152	1370	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.07	0.07	0.07	0.01	0.01	0.01	0.02	0.27	0.05	0.04	0.23	0.00
Crit Volume:	100			20			404			67		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #46 Fairway Dr & Target Dwy/Rosehall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.362
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	0 0 1! 0 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	76	27	17	5	33	1	42	689	39	90	643	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	27	17	5	33	1	42	689	39	90	643	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	27	17	5	33	1	42	689	39	90	643	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	27	17	5	33	1	42	689	39	90	643	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	27	17	5	33	1	42	689	39	90	643	42

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.48	0.52	1.00	0.13	0.85	0.02	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2140	760	1450	186	1227	37	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.01	0.03	0.03	0.03	0.03	0.24	0.03	0.06	0.22	0.03
Crit Volume:	51			39			345			90		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #47 Del Webb Blvd/Village Green Dr & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.313
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	110	279	36	9	473	80	54	12	88	53	0	18
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	110	279	36	9	473	80	54	12	88	53	0	18
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	110	279	36	9	473	80	54	12	88	53	0	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	110	279	36	9	473	80	54	12	88	53	0	18
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:	110	279	36	9	473	80	54	12	88	53	0	18

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.10	0.02	0.01	0.16	0.06	0.04	0.01	0.06	0.04	0.00	0.01
Crit Volume:	110			237			54			53		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #48 Hayden Pkwy North & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.110
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	24	291	0	0	279	3	2	0	17	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	291	0	0	279	3	2	0	17	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:	24	291	0	0	279	3	2	0	17	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	291	0	0	279	3	2	0	17	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	24	291	0	0	279	3	2	0	17	0	0	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:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	1500	1500	1500	0	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.02	0.10	0.00	0.00	0.09	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Crit Volume:	24			140			2			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #49 Hayden Pkwy South & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.293
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	0	0	0	0

Volume Module:

Base Vol:	112	528	0	0	512	95	72	0	77	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	112	528	0	0	512	95	72	0	77	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:	112	528	0	0	512	95	72	0	77	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	528	0	0	512	95	72	0	77	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	112	528	0	0	512	95	72	0	77	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	1500	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.18	0.00	0.00	0.17	0.06	0.05	0.00	0.05	0.00	0.00	0.00
Crit Volume:	112			256			72			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #50 Baseline Rd/Main St & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.665
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 68 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	1	0	3	0	1	1

Volume Module:

Base Vol:	526	1107	86	139	1075	124	155	173	315	91	233	114
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	526	1107	86	139	1075	124	155	173	315	91	233	114
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	526	1107	86	139	1075	0	155	173	315	91	233	114
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	526	1107	86	139	1075	0	155	173	315	91	233	114
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	526	1107	86	139	1075	0	155	173	315	91	233	114

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.18	0.38	0.06	0.10	0.25	0.00	0.11	0.06	0.22	0.06	0.08	0.08
Crit Volume:	554			139			155			117		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #51 Misty Wood Dr/NEC Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.238
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	20	446	25	6	870	7	17	0	33	36	0	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	446	25	6	870	7	17	0	33	36	0	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	446	25	6	870	7	17	0	33	36	0	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	446	25	6	870	7	17	0	33	36	0	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	20	446	25	6	870	7	17	0	33	36	0	17

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	0.00	1.00	2.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	1450	0	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.15	0.02	0.00	0.20	0.00	0.01	0.00	0.02	0.01	0.00	0.01
Crit Volume:	20			290			17			18		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #52 Albertsons Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.246
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	8	673	20	6	516	4	23	15	37	71	0	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	673	20	6	516	4	23	15	37	71	0	8
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	8	673	0	6	516	4	23	15	0	71	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	673	0	6	516	4	23	15	0	71	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	8	673	0	6	516	4	23	15	0	71	0	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.00	1.00	1.21	0.79	1.00	1.00	0.00	1.00
Final Sat.:	1450	4350	1450	1450	2900	1450	1755	1145	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.15	0.00	0.00	0.18	0.00	0.01	0.01	0.00	0.05	0.00	0.00
Crit Volume:	8			258			19			71		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #54 Roseville Pkwy/HP Central Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.265
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	0	1	0	0

Volume Module:

Base Vol:	35	643	0	0	624	6	102	0	30	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	35	643	0	0	624	6	102	0	30	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	35	643	0	0	624	0	102	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	643	0	0	624	0	102	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	35	643	0	0	624	0	102	0	0	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	3000	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.21	0.00	0.00	0.21	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Crit Volume:	35			312			51			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #55 HP South Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.324
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	1	1	0	0

Volume Module:

Base Vol:	5	446	0	0	642	6	160	0	105	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	446	0	0	642	6	160	0	105	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:	5	446	0	0	642	6	160	0	105	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	446	0	0	642	6	160	0	105	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	446	0	0	642	6	160	0	105	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	1500	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.15	0.00	0.00	0.21	0.00	0.11	0.00	0.07	0.00	0.00	0.00
Crit Volume:	5			321			160			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #56 Junction Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.611
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 59 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	174	1020	160	218	1050	199	160	209	87	201	336	185
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	174	1020	160	218	1050	199	160	209	87	201	336	185
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	174	1020	0	218	1050	0	160	209	87	201	336	185
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	174	1020	0	218	1050	0	160	209	87	201	336	185
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	174	1020	0	218	1050	0	160	209	87	201	336	185

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.23	0.00	0.15	0.24	0.00	0.11	0.07	0.06	0.14	0.12	0.13
Crit Volume:	340			218			160			168		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #57 McAnally Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.487
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Include	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 1 0	1 0 2 1 0	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	92	1094	25	34	1361	37	110	9	107	59	6	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	92	1094	25	34	1361	37	110	9	107	59	6	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	92	1094	25	34	1361	37	110	9	107	59	6	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	92	1094	25	34	1361	37	110	9	107	59	6	24
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:	92	1094	25	34	1361	37	110	9	107	59	6	24

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.93	0.07	1.00	2.92	0.08	0.92	0.08	1.00	0.91	0.09	1.00
Final Sat.:	1523	4465	102	1523	4447	121	1407	115	1523	1382	141	1523

Capacity Analysis Module:

Vol/Sat:	0.06	0.24	0.24	0.02	0.31	0.31	0.08	0.08	0.07	0.04	0.04	0.02
Crit Volume:	92			466			119			65		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #58 Pleasant Grove Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.733
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 85 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	328	366	512	205	593	131	115	988	162	732	1286	109
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	328	366	512	205	593	131	115	988	162	732	1286	109
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	328	366	0	205	593	0	115	988	0	732	1286	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	328	366	0	205	593	0	115	988	0	732	1286	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	328	366	0	205	593	0	115	988	0	732	1286	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	3.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	4350	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.13	0.00	0.07	0.14	0.00	0.04	0.23	0.00	0.17	0.44	0.00
Crit Volume:	164			198			58			643		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #59 Rand Way/Pilgrims Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.393
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	2	1	0	1	0	0	1

Volume Module:

Base Vol:	54	1362	0	26	1309	10	33	0	34	24	0	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	54	1362	0	26	1309	10	33	0	34	24	0	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	54	1362	0	26	1309	10	33	0	34	24	0	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	1362	0	26	1309	10	33	0	34	24	0	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	54	1362	0	26	1309	10	33	0	34	24	0	14

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	0.00	1.00	2.98	0.02	0.49	0.00	0.51	0.63	0.00	0.37
Final Sat.:	1523	4568	0	1523	4533	35	750	0	773	962	0	561

Capacity Analysis Module:

Vol/Sat:	0.04	0.30	0.00	0.02	0.29	0.29	0.04	0.00	0.04	0.02	0.00	0.02
Crit Volume:	54			440			67			38		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #60 Vineyard Rd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.513
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Include	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 1	1 0 2 1 0	1 0 2 0 1	2 0 1 0 1

Volume Module:

Base Vol:	153 1555 69	71 1262 17	83 51 68	146 71 105
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	153 1555 69	71 1262 17	83 51 68	146 71 105
User Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
PHF Volume:	153 1555 0	71 1262 17	83 51 68	146 71 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	153 1555 0	71 1262 17	83 51 68	146 71 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00
FinalVolume:	153 1555 0	71 1262 17	83 51 68	146 71 0

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 3.00 1.00	1.00 2.96 0.04	1.00 2.00 1.00	2.00 1.00 1.00
Final Sat.:	1450 4350 1450	1450 4292 58	1450 2900 1450	2900 1450 1450

Capacity Analysis Module:

Vol/Sat:	0.11 0.36 0.00	0.05 0.29 0.29	0.06 0.02 0.05	0.05 0.05 0.00
Crit Volume:	518	71	83	71
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #61 Antelope Creek Dr & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.608
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 58 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Ignore	Ovl	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 1 1 0 1	2 1 1 0 1

Volume Module:

Base Vol:	132 1703 192	200 1078 134	382 66 134	249 96 346
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	132 1703 192	200 1078 134	382 66 134	249 96 346
User Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Volume:	132 1703 0	200 1078 134	382 66 0	249 96 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	132 1703 0	200 1078 134	382 66 0	249 96 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
FinalVolume:	132 1703 0	200 1078 134	382 66 0	249 96 0

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 3.00 1.00	2.00 3.00 1.00	3.00 1.00 1.00	2.89 1.11 1.00
Final Sat.:	2900 4350 1450	2900 4350 1450	4350 1450 1450	4186 1614 1450

Capacity Analysis Module:

Vol/Sat:	0.05 0.39 0.00	0.07 0.25 0.09	0.09 0.05 0.00	0.06 0.06 0.00
Crit Volume:	568	100	127	86
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #62 Berry St & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.574
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 1 0	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	126 1376	6 59 1105	94 77 0 158	5 1 3
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	126 1376	6 59 1105	94 77 0 158	5 1 3
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:	126 1376	6 59 1105	94 77 0 158	5 1 3
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	126 1376	6 59 1105	94 77 0 158	5 1 3
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:	126 1376	6 59 1105	94 77 0 158	5 1 3

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 1.99 0.01	1.00 2.00 1.00	1.00 0.00 1.00	0.83 0.17 1.00
Final Sat.:	1450 2887 13	1450 2900 1450	1450 0 1450	1208 242 1450

Capacity Analysis Module:

Vol/Sat:	0.09 0.48 0.48	0.04 0.38 0.06	0.05 0.00 0.11	0.00 0.00 0.00
Crit Volume:	691	59	77	6
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #63 Roseville Pkwy & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.847
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 149 Level Of Service: D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	3 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	489 803 67	595 617 357	433 1052 466	217 1375 851
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	489 803 67	595 617 357	433 1052 466	217 1375 851
User Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Volume:	489 803 0	595 617 0	433 1052 0	217 1375 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	489 803 0	595 617 0	433 1052 0	217 1375 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
FinalVolume:	489 803 0	595 617 0	433 1052 0	217 1375 0

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 3.00 1.00	3.00 2.00 1.00	2.00 3.00 1.00	2.00 3.00 1.00
Final Sat.:	2900 4350 1450	4350 2900 1450	2900 4350 1450	2900 4350 1450

Capacity Analysis Module:

Vol/Sat:	0.17 0.18 0.00	0.14 0.21 0.00	0.15 0.24 0.00	0.07 0.32 0.00
Crit Volume:	245	309	217	458
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #64 Wills Rd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.539
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	1	0	2	1	1	0	0	1	0

Volume Module:

Base Vol:	268	1218	5	7	877	395	285	6	195	8	10	15
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	268	1218	5	7	877	395	285	6	195	8	10	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	268	1218	5	7	877	395	285	6	195	8	10	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	268	1218	5	7	877	395	285	6	195	8	10	15
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:	268	1218	5	7	877	395	285	6	195	8	10	15

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.99	0.01	1.00	2.00	1.00	1.96	0.04	1.00	0.44	0.56	1.00
Final Sat.:	2900	2888	12	1450	2900	1450	2840	60	1450	644	806	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.42	0.42	0.00	0.30	0.27	0.10	0.10	0.13	0.01	0.01	0.01
Crit Volume:	612	7					146			18		
Crit Moves:	****	****					****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #65 Estates Dr & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.533
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	0	1	0

Volume Module:

Base Vol:	61	708	0	48	966	121	226	5	25	28	12	28
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	61	708	0	48	966	121	226	5	25	28	12	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	61	708	0	48	966	121	226	5	25	28	12	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	61	708	0	48	966	121	226	5	25	28	12	28
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:	61	708	0	48	966	121	226	5	25	28	12	28

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.00	1.00	1.78	0.22	1.77	0.04	0.19	0.70	0.30	1.00
Final Sat.:	1450	2900	0	1450	2577	323	2560	57	283	1015	435	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.24	0.00	0.03	0.37	0.37	0.09	0.09	0.09	0.03	0.03	0.02
Crit Volume:	61			544			128			40		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #66 Lead Hill Blvd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.726
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 68 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	1	2	0	2	0	0	1

Volume Module:

Base Vol:	0	624	273	515	659	0	0	0	0	422	0	777
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	624	273	515	659	0	0	0	0	422	0	777
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	624	273	515	659	0	0	0	0	422	0	777
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	624	273	515	659	0	0	0	0	422	0	777
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	624	273	515	659	0	0	0	0	422	0	777

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	2.00	1.00	2.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	3000	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.21	0.18	0.17	0.22	0.00	0.00	0.00	0.00	0.14	0.00	0.52
Crit Volume:	312			0			0			777		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #67 Roseville Square Dwy & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.567
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	112	584	10	31	803	39	151	19	102	111	8	44
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	112	584	10	31	803	39	151	19	102	111	8	44
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	112	584	10	31	803	39	151	19	102	111	8	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	584	10	31	803	39	151	19	102	111	8	44
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	112	584	10	31	803	39	151	19	102	111	8	44

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.97	0.03	1.00	1.91	0.09	0.89	0.11	1.00	0.93	0.07	1.00
Final Sat.:	1450	2851	49	1450	2766	134	1288	162	1450	1353	97	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.20	0.20	0.02	0.29	0.29	0.12	0.12	0.07	0.08	0.08	0.03
Crit Volume:	112			421			170			119		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #68 Junction Blvd & Stonecrest Dr/Magenta Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.148
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	1	0	2	1	0	2

Volume Module:

Base Vol:	1	7	12	83	7	35	38	199	12	10	158	103
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	7	12	83	7	35	38	199	12	10	158	103
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	7	12	83	7	35	38	199	12	10	158	103
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	7	12	83	7	35	38	199	12	10	158	103
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	7	12	83	7	35	38	199	12	10	158	103

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.12	0.88	1.00	0.92	0.08	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	181	1269	1450	1337	113	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.06	0.06	0.02	0.03	0.07	0.01	0.01	0.05	0.07
Crit Volume:	8			90			38			79		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #69 Junction Blvd & Americana Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.000
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	1	0	1	0	2

Volume Module:

Base Vol:	80	0	55	0	3	0	1	393	48	83	653	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	80	0	55	0	3	0	1	393	48	83	653	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:	80	0	55	0	3	0	1	393	48	83	653	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	0	55	0	3	0	1	393	48	83	653	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:	80	0	55	0	3	0	1	393	48	83	653	0

Saturation Flow Module:

Sat/Lane:	0	0	0	0	0	0	0	0	0	0	0	0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Final Sat.:	0	0	0	0	0	0	0	0	0	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	0			0			0			0		
Crit Moves:												

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #70 Baseline Rd & Junction Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.377
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	2	1	0	1	0	0	1

Volume Module:

Base Vol:	0	0	0	56	0	151	220	510	0	0	369	103
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	56	0	151	220	510	0	0	369	103
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	0	0	56	0	151	220	510	0	0	369	103
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	56	0	151	220	510	0	0	369	103
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	0	0	0	56	0	151	220	510	0	0	369	103

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	0.00	1.00	0.00	2.00	1.00	1.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	3000	1500	1500	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.05	0.15	0.34	0.00	0.00	0.12	0.07
Crit Volume:	0			56			510		0			
Crit Moves:				****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #71 Junction Blvd & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.310
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	13	112	24	57	59	44	33	302	18	30	403	45
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	112	24	57	59	44	33	302	18	30	403	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	112	24	57	59	44	33	302	18	30	403	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	112	24	57	59	44	33	302	18	30	403	45
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	13	112	24	57	59	44	33	302	18	30	403	45

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.82	0.18	1.00	0.57	0.43	1.00	1.89	0.11	1.00	1.80	0.20
Final Sat.:	1450	1194	256	1450	831	619	1450	2737	163	1450	2609	291

Capacity Analysis Module:

Vol/Sat:	0.01	0.09	0.09	0.04	0.07	0.07	0.02	0.11	0.11	0.02	0.15	0.15
Crit Volume:			136	57			33					224
Crit Moves:			****	****			****					****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #72 Junction Blvd & Park Regency Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.301
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 0 1	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	12 92 91	119 49 19	41 302 12	74 341 58
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	12 92 91	119 49 19	41 302 12	74 341 58
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	12 92 91	119 49 19	41 302 12	74 341 58
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	12 92 91	119 49 19	41 302 12	74 341 58
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	12 92 91	119 49 19	41 302 12	74 341 58

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 1.00 1.00	1.00 1.00 1.00	1.00 2.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 1450 1450	1450 1450 1450	1450 2900 1450	1450 2900 1450

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Capacity Analysis Module:

Vol/Sat:	0.01 0.06 0.06	0.08 0.03 0.01	0.03 0.10 0.01	0.05 0.12 0.04
Crit Volume:	92	119	151	74
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #73 Junction Blvd & Porter Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.310
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 1	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	33 14 108	26 15 26	27 461 14	95 660 8
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	33 14 108	26 15 26	27 461 14	95 660 8
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	33 14 108	26 15 26	27 461 14	95 660 8
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	33 14 108	26 15 26	27 461 14	95 660 8
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:	33 14 108	26 15 26	27 461 14	95 660 8

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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:	0.70 0.30 1.00	0.63 0.37 1.00	1.00 1.94 0.06	1.00 1.98 0.02
Final Sat.:	1018 432 1450	920 530 1450	1450 2815 85	1450 2865 35

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Capacity Analysis Module:

Vol/Sat:	0.03 0.03 0.07	0.03 0.03 0.02	0.02 0.16 0.16	0.07 0.23 0.23
Crit Volume:	47	41	27	334
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #74 Junction Blvd & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.252
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0	1 0 0 0	1 0 2 0	0 0 1 1

Volume Module:

Base Vol:	0	0	0	48	0	48	10	410	0	0	605	35
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	48	0	48	10	410	0	0	605	35
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	48	0	48	10	410	0	0	605	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	48	0	48	10	410	0	0	605	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	48	0	48	10	410	0	0	605	35

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.89	0.11
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2836	164

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.03	0.01	0.14	0.00	0.00	0.21	0.21
Crit Volume:	0			48			10				320	
Crit Moves:				****			****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #75 Junction Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.451
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 1 1	0 1 2 0	1 1 0 0	1 0 0 1

Volume Module:

Base Vol:	485	614	0	5	558	237	255	0	264	3	3	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	485	614	0	5	558	237	255	0	264	3	3	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	485	614	0	5	558	237	255	0	0	3	3	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	485	614	0	5	558	237	255	0	0	3	3	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	485	614	0	5	558	237	255	0	0	3	3	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	2.00	1.00	2.00	0.00	1.00	1.00	0.60	0.40
Final Sat.:	2900	2900	0	1450	2900	1450	2900	0	1450	1450	870	580

Capacity Analysis Module:

Vol/Sat:	0.17	0.21	0.00	0.00	0.19	0.16	0.09	0.00	0.00	0.00	0.00	0.00
Crit Volume:	242				279		128				5	
Crit Moves:	****				****		****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #76 Junction Blvd & Woodcreek Oaks Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.291
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1

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Volume Module:

Base Vol:	50	245	128	241	183	19	35	250	38	107	230	277
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	50	245	128	241	183	19	35	250	38	107	230	277
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	50	245	0	241	183	0	35	250	0	107	230	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	245	0	241	183	0	35	250	0	107	230	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	50	245	0	241	183	0	35	250	0	107	230	0

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.02	0.08	0.00	0.08	0.06	0.00	0.01	0.09	0.00	0.04	0.08	0.00
Crit Volume:	123			121			125			53		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #77 Lead Hill Blvd & N. Sunrise Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.767
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	98	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 1 0	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	437	594	65	147	578	164	104	351	275	210	522	137
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	437	594	65	147	578	164	104	351	275	210	522	137
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:	437	594	65	147	578	164	104	351	275	210	522	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	437	594	65	147	578	164	104	351	275	210	522	137
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:	437	594	65	147	578	164	104	351	275	210	522	137

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.80	0.20	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2614	286	1450	2900	1450	1450	2900	1450	1450	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.30	0.23	0.23	0.10	0.20	0.11	0.07	0.12	0.19	0.14	0.18	0.09
Crit Volume:	437			289			176			210		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #78 Lead Hill Blvd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.572
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	388	494	71	8	428	104	59	230	295	113	302	22
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	388	494	71	8	428	104	59	230	295	113	302	22
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	388	494	0	8	428	0	59	230	0	113	302	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	388	494	0	8	428	0	59	230	0	113	302	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	388	494	0	8	428	0	59	230	0	113	302	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.27	0.17	0.00	0.01	0.15	0.00	0.04	0.08	0.00	0.08	0.10	0.00
Crit Volume:	388			214			115			113		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #79 Lead Hill Blvd & Wal-Mart Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.341
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	1	1	0	0	2	0	1	1

Volume Module:

Base Vol:	139	0	54	0	0	0	0	507	141	119	676	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	139	0	54	0	0	0	0	507	141	119	676	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:	139	0	54	0	0	0	0	507	141	119	676	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	139	0	54	0	0	0	0	507	141	119	676	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:	139	0	54	0	0	0	0	507	141	119	676	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.17	0.09	0.08	0.23	0.00
Crit Volume:	139			0			254			119		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #80 N. Sunrise Ave & Automall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.382
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	3	0	1	0	0	1	0

Volume Module:

Base Vol:	75	346	35	151	521	147	207	8	77	150	18	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	346	35	151	521	147	207	8	77	150	18	72
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	75	346	35	151	521	147	207	8	77	150	18	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	346	35	151	521	147	207	8	77	150	18	72
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:	75	346	35	151	521	147	207	8	77	150	18	72

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.72	0.28	1.00	3.00	1.00	1.93	0.07	1.00	0.89	0.11	1.00
Final Sat.:	1450	3950	400	1450	4350	1450	2792	108	1450	1295	155	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.09	0.09	0.10	0.12	0.10	0.07	0.07	0.05	0.12	0.12	0.05
Crit Volume:	127			151			108			168		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #81 Stone Point Dr & N. Sunrise Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.208
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	0	0	0	0	0	0	1

Volume Module:

Base Vol:	0	734	8	27	661	0	0	0	0	23	0	68
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	734	8	27	661	0	0	0	0	23	0	68
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	734	8	27	661	0	0	0	0	23	0	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	734	8	27	661	0	0	0	0	23	0	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	0	734	8	27	661	0	0	0	0	23	0	68

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	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.01	0.02	0.15	0.00	0.00	0.00	0.00	0.01	0.00	0.05
Crit Volume:	245			0			0			68		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #82 Sierra Gardens Dr & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.547
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	53	680	37	208	812	54	56	9	64	148	13	355
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	53	680	37	208	812	54	56	9	64	148	13	355
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	53	680	37	208	812	54	56	9	64	148	13	355
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	680	37	208	812	54	56	9	64	148	13	355
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	53	680	37	208	812	54	56	9	64	148	13	355

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.90	0.10	1.00	2.00	1.00	0.86	0.14	1.00	0.92	0.08	1.00
Final Sat.:	1450	2750	150	1450	2900	1450	1249	201	1450	1333	117	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.25	0.25	0.14	0.28	0.04	0.04	0.04	0.04	0.11	0.11	0.24
Crit Volume:	359	208					65			161		
Crit Moves:	****	****					****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #83 Olympus Dr & Europa St

Cycle (sec): 100 Critical Vol./Cap.(X): 0.120
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	4	1	4	6	0	5	4	283	18	3	225	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	1	4	6	0	5	4	283	18	3	225	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	4	1	4	6	0	5	4	283	18	3	225	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	1	4	6	0	5	4	283	18	3	225	8
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:	4	1	4	6	0	5	4	283	18	3	225	8

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.45	0.11	0.44	0.55	0.00	0.45	1.00	1.88	0.12	1.00	1.93	0.07
Final Sat.:	644	161	644	791	0	659	1450	2727	173	1450	2800	100

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.10	0.10	0.00	0.08	0.08
Crit Volume:	9			11			151			3		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #84 PFE Rd & Hilltop Cir

Cycle (sec): 100 Critical Vol./Cap.(X): 0.323
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	2	0	4	34	0	8	25	274	5	2	385	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	0	4	34	0	8	25	274	5	2	385	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	0	4	34	0	8	25	274	5	2	385	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	4	34	0	8	25	274	5	2	385	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	0	4	34	0	8	25	274	5	2	385	20

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.00	1.00	1.00	0.98	0.02	1.00	0.95	0.05
Final Sat.:	1450	0	1450	1450	0	1450	1450	1424	26	1450	1378	72

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.01	0.02	0.19	0.19	0.00	0.28	0.28
Crit Volume:	4	34		25						405		
Crit Moves:	****	****		****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #85 Fairway Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.647
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	540	923	495	96	605	115	187	372	340	562	398	117
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	540	923	495	96	605	115	187	372	340	562	398	117
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:	540	923	495	96	605	115	187	372	340	562	398	117
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	540	923	495	96	605	115	187	372	340	562	398	117
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:	540	923	495	96	605	115	187	372	340	562	398	117

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.21	0.34	0.03	0.14	0.08	0.06	0.13	0.23	0.19	0.14	0.08
Crit Volume:	270			202			186			281		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #86 Pleasant Grove Blvd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.414
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	238	573	424	106	544	21	21	186	118	415	287	120
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	238	573	424	106	544	21	21	186	118	415	287	120
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	238	573	0	106	544	0	21	186	0	415	287	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	238	573	0	106	544	0	21	186	0	415	287	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	238	573	0	106	544	0	21	186	0	415	287	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.13	0.00	0.04	0.13	0.00	0.01	0.06	0.00	0.14	0.10	0.00
Crit Volume:	119			181			93			208		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #87 Pleasant Grove Blvd & Gold Coast Dr/Hallissy Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.543
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	3	0	1	1

Volume Module:

Base Vol:	43	46	31	69	13	18	16	1766	19	84	1942	106
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	43	46	31	69	13	18	16	1766	19	84	1942	106
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	43	46	0	69	13	0	16	1766	0	84	1942	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	46	0	69	13	0	16	1766	0	84	1942	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	43	46	0	69	13	0	16	1766	0	84	1942	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.00	0.05	0.01	0.00	0.01	0.41	0.00	0.06	0.45	0.00
Crit Volume:	46			69			589			84		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #88 Highland Park Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.403
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	0	1	0	1

Volume Module:

Base Vol:	78	917	88	80	625	1	10	14	35	149	34	83
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	78	917	88	80	625	1	10	14	35	149	34	83
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:	78	917	88	80	625	1	10	14	35	149	34	83
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	917	88	80	625	1	10	14	35	149	34	83
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	78	917	88	80	625	1	10	14	35	149	34	83

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.00	1.00	1.00	0.29	0.71	1.00	0.29	0.71
Final Sat.:	1450	4350	1450	1450	2900	1450	1450	414	1036	1450	421	1029

Capacity Analysis Module:

Vol/Sat:	0.05	0.21	0.06	0.06	0.22	0.00	0.01	0.03	0.03	0.10	0.08	0.08
Crit Volume:	306			80			49			149		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #89 Market St & Pleasant Grove Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.200
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	1	0	2	0	1	1

Volume Module:

Base Vol:	6	0	48	19	51	38	2	24	1	74	186	161
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	0	48	19	51	38	2	24	1	74	186	161
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:	6	0	48	19	51	38	2	24	1	74	186	161
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	48	19	51	38	2	24	1	74	186	161
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:	6	0	48	19	51	38	2	24	1	74	186	161

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	0.18	0.47	0.35	1.00	2.00	1.00	1.00	1.07	0.93
Final Sat.:	1450	0	1450	255	685	510	1450	2900	1450	1450	1554	1346

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.03	0.07	0.07	0.07	0.00	0.01	0.00	0.05	0.12	0.12
Crit Volume:	6			108			2			174		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.395
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0	1 0 0 0	1 0 2 0	0 0 1 1

Volume Module:

Base Vol:	0	0	0	51	0	17	35	815	0	0	961	51
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	51	0	17	35	815	0	0	961	51
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	51	0	17	35	815	0	0	961	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	51	0	17	35	815	0	0	961	51
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	51	0	17	35	815	0	0	961	51

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.90	0.10
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2849	151

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.01	0.02	0.27	0.00	0.00	0.34	0.34
Crit Volume:	0	51	35	506								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #91 Pleasant Grove Blvd & Monument Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.220
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 0 0	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	13	6	26	28	1	0	0	188	4	149	364	59
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	6	26	28	1	0	0	188	4	149	364	59
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	6	26	28	1	0	0	188	4	149	364	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	6	26	28	1	0	0	188	4	149	364	59
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	13	6	26	28	1	0	0	188	4	149	364	59

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.29	0.13	0.58	0.97	0.03	1.00	1.00	1.96	0.04	1.00	2.00	1.00
Final Sat.:	419	193	838	1400	50	1450	1450	2840	60	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.02	0.02	0.00	0.00	0.07	0.07	0.10	0.13	0.04
Crit Volume:	45	29	96	149								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #92 Pleasant Grove Blvd & Rose Creek Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.377
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0	0 0 1 0	1 0 2 0	0 0 1 1

Volume Module:

Base Vol:	0	0	0	58	0	8	14	800	0	0	935	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	58	0	8	14	800	0	0	935	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	0	0	58	0	8	14	800	0	0	935	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	58	0	8	14	800	0	0	935	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	58	0	8	14	800	0	0	935	37

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	0.00	0.88	0.00	0.12	1.00	2.00	0.00	0.00	1.92	0.08
Final Sat.:	0	0	0	1318	0	182	1500	3000	0	0	2886	114

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.04	0.01	0.27	0.00	0.00	0.32	0.32
Crit Volume:	0			66		14					486	
Crit Moves:				****		****					****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #93 Pleasant Grove Blvd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.807
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 118 Level Of Service: D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	3 0 2 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	1066	521	814	179	356	32	56	996	698	728	1245	144
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1066	521	814	179	356	32	56	996	698	728	1245	144
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	1066	521	0	179	356	0	56	996	0	728	1245	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1066	521	0	179	356	0	56	996	0	728	1245	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	1066	521	0	179	356	0	56	996	0	728	1245	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	3.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.25	0.18	0.00	0.06	0.08	0.00	0.02	0.23	0.00	0.25	0.29	0.00
Crit Volume:	355			119			332			364		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #94 Pleasant Grove Blvd & Sun City Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.327
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ovl Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 1 0 2 0 0 1

Volume Module:
Base Vol: 0 0 0 93 0 13 19 720 0 0 758 141
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 93 0 13 19 720 0 0 758 141
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 93 0 13 19 720 0 0 758 141
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 93 0 13 19 720 0 0 758 141
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 93 0 13 19 720 0 0 758 141

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 0.00 1.00 0.00 1.00 1.00 2.00 0.00 0.00 2.00 1.00
Final Sat.: 0 0 0 1500 0 1500 1500 3000 0 0 3000 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.06 0.00 0.01 0.01 0.24 0.00 0.00 0.25 0.09
Crit Volume: 0 93 19 379
Crit Moves: ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #95 Highland Pointe Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.725
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 83 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 3 1 0 2 0 3 0 1 2 0 1 0 1

Volume Module:
Base Vol: 334 1570 5 132 1574 195 463 4 334 142 31 194
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 334 1570 5 132 1574 195 463 4 334 142 31 194
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 334 1570 5 132 1574 195 463 4 334 142 31 194
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 334 1570 5 132 1574 195 463 4 334 142 31 194
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 334 1570 5 132 1574 195 463 4 334 142 31 194

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 3.99 0.01 2.00 3.00 1.00 2.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 2900 5782 18 2900 4350 1450 2900 1450 1450 1450 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.12 0.27 0.27 0.05 0.36 0.13 0.16 0.00 0.23 0.10 0.02 0.13
Crit Volume: 167 525 232 194
Crit Moves: ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #96 Pleasant Grove Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.652
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	2	0

Volume Module:

Base Vol:	212	347	321	153	439	208	150	1353	144	311	1634	51
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	212	347	321	153	439	208	150	1353	144	311	1634	51
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	212	347	0	153	439	208	150	1353	144	311	1634	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	212	347	0	153	439	208	150	1353	144	311	1634	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	212	347	0	153	439	208	150	1353	144	311	1634	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.12	0.00	0.05	0.15	0.14	0.05	0.31	0.10	0.11	0.38	0.00
Crit Volume:	106			220			75			545		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #97 Pleasant Grove Blvd & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.501
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	30	0	115	0	0	0	0	1074	27	142	1518	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	30	0	115	0	0	0	0	1074	27	142	1518	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:	30	0	115	0	0	0	0	1074	27	142	1518	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	30	0	115	0	0	0	0	1074	27	142	1518	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:	30	0	115	0	0	0	0	1074	27	142	1518	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.95	0.05	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3073	77	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.07	0.00	0.00	0.00	0.00	0.35	0.35	0.09	0.48	0.00
Crit Volume:	30			0			0			759		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #98 Pleasant Grove Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.532
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ignore Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 2 0 1 2 0 2 0 1 2 0 2 0 1

Volume Module:
Base Vol: 224 270 203 249 296 153 105 650 152 297 920 324
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 224 270 203 249 296 153 105 650 152 297 920 324
User Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 224 270 0 249 296 0 105 650 0 297 920 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 224 270 0 249 296 0 105 650 0 297 920 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 224 270 0 249 296 0 105 650 0 297 920 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 2.00 1.00 2.00 2.00 1.00 2.00 2.00 1.00 2.00 2.00 1.00
Final Sat.: 2900 2900 1450 2900 2900 1450 2900 2900 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.08 0.09 0.00 0.09 0.10 0.00 0.04 0.22 0.00 0.10 0.32 0.00
Crit Volume: 135 125 53 460
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #99 Maidu Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.412
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Permitted Permitted
Rights: Include Include Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 1 1 0 1 0 1 1 0 0 0 1 0 0 1

Volume Module:
Base Vol: 6 709 22 62 1139 13 10 3 5 49 5 54
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 6 709 22 62 1139 13 10 3 5 49 5 54
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: 6 709 22 62 1139 13 10 3 5 49 5 54
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 6 709 22 62 1139 13 10 3 5 49 5 54
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: 6 709 22 62 1139 13 10 3 5 49 5 54

Saturation Flow Module:
Sat/Lane: 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500
Adjustment: 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05
Lanes: 1.00 1.94 0.06 1.00 1.98 0.02 0.55 0.17 0.28 0.91 0.09 1.00
Final Sat.: 1575 3055 95 1575 3114 36 875 263 438 1429 146 1575

Capacity Analysis Module:
Vol/Sat: 0.00 0.23 0.23 0.04 0.37 0.37 0.01 0.01 0.01 0.03 0.03 0.03
Crit Volume: 6 576 18 49
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #100 McLaren Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.367
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1 1 0	1	0	2 0 0	0	0	0 0 0	1	0	0 0 1

Volume Module:

Base Vol:	0	683	16	91	1098	0	0	0	0	29	0	79
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	683	16	91	1098	0	0	0	0	29	0	79
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	683	16	91	1098	0	0	0	0	29	0	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	683	16	91	1098	0	0	0	0	29	0	79
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	683	16	91	1098	0	0	0	0	29	0	79

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	1.95	0.05	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3078	72	1575	3150	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.22	0.22	0.06	0.35	0.00	0.00	0.00	0.00	0.02	0.00	0.05
Crit Volume:	0			549			0			29		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #101 Professional Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.536
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1 1 0	1	0	2 0 1	0	1	0 0 1	0	1	0 0 1

Volume Module:

Base Vol:	34	678	21	40	983	24	6	22	146	148	30	154
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	678	21	40	983	24	6	22	146	148	30	154
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	34	678	21	40	983	0	6	22	146	148	30	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	678	21	40	983	0	6	22	146	148	30	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	34	678	21	40	983	0	6	22	146	148	30	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.94	0.06	1.00	2.00	1.00	0.21	0.79	1.00	0.83	0.17	1.00
Final Sat.:	1523	2954	91	1523	3045	1523	326	1196	1523	1266	257	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.23	0.23	0.03	0.32	0.00	0.02	0.02	0.10	0.12	0.12	0.00
Crit Volume:	0			492			146			178		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #102 Rocky Ridge Dr & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.146
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	1 0 2 0 1

Volume Module:

Base Vol:	0	0	0	32	0	30	19	356	0	0	336	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	32	0	30	19	356	0	0	336	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:	0	0	0	32	0	30	19	356	0	0	336	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	32	0	30	19	356	0	0	336	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	32	0	30	19	356	0	0	336	9

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.12	0.00	0.00	0.11	0.01
Crit Volume:	0			32			19				168	
Crit Moves:				****			****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #103 Roseville Pkwy & Chase Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.440
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Include	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	48	0	80	0	0	0	0	1511	74	142	1920	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	48	0	80	0	0	0	0	1511	74	142	1920	0
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:	48	0	0	0	0	0	0	1511	74	142	1920	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	48	0	0	0	0	0	0	1511	74	142	1920	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	48	0	0	0	0	0	0	1511	74	142	1920	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	4725	1575	1575	4725	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.05	0.09	0.41	0.00
Crit Volume:	48			0				504		142		
Crit Moves:	****							****		****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #104 Roseville Pkwy & Creekside Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.693
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 74 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	1 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	22	8	15	360	4	119	71	1568	8	46	2363	304
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	8	15	360	4	119	71	1568	8	46	2363	304
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	8	15	360	4	119	71	1568	8	46	2363	304
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	8	15	360	4	119	71	1568	8	46	2363	304
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	8	15	360	4	119	71	1568	8	46	2363	304

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.47	0.53	1.00	1.98	0.02	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	2233	812	1523	3012	33	1523	1523	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.12	0.12	0.08	0.05	0.34	0.01	0.03	0.52	0.20
Crit Volume:	15	182	71	788								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #105 Roseville Pkwy & Gibson Dr East

Cycle (sec): 120 Critical Vol./Cap.(X): 0.518
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	2 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	3	2	14	233	2	28	20	1570	0	19	2023	188
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	2	14	233	2	28	20	1570	0	19	2023	188
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	3	2	14	233	2	0	20	1570	0	19	2023	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	2	14	233	2	0	20	1570	0	19	2023	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	3	2	14	233	2	0	20	1570	0	19	2023	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.12	0.88	2.97	0.03	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1523	190	1332	4529	39	1523	1523	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.01	0.05	0.05	0.00	0.01	0.34	0.00	0.01	0.44	0.00
Crit Volume:	16	78	20	674								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #106 Roseville Pkwy & N. Sunrise Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.750
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	91	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ovl	Ignore	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	3 0 1 0 1	1 0 1 0 2	2 0 3 0 1	2 0 3 0 1

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Volume Module:

Base Vol:	554	77	229	48	175	316	99	1579	306	166	2034	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	554	77	229	48	175	316	99	1579	306	166	2034	26
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	554	77	0	48	175	316	99	1579	0	166	2034	26
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	554	77	0	48	175	316	99	1579	0	166	2034	26
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	554	77	0	48	175	316	99	1579	0	166	2034	26

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	4350	1450	1450	1450	1450	2900	2900	4350	1450	2900	4350	1450

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Capacity Analysis Module:

Vol/Sat:	0.13	0.05	0.00	0.03	0.12	0.11	0.03	0.36	0.00	0.06	0.47	0.02
Crit Volume:	185			175			50			678		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #107 Roseville Pkwy & Reserve Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.620
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	60	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	1 1 0 0 1	2 0 3 0 1	2 0 3 0 1

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Volume Module:

Base Vol:	299	27	288	164	21	76	39	1456	256	219	1824	185
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	299	27	288	164	21	76	39	1456	256	219	1824	185
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	299	27	288	164	21	0	39	1456	256	219	1824	185
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	299	27	288	164	21	0	39	1456	256	219	1824	185
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	299	27	288	164	21	0	39	1456	256	219	1824	185

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.83	0.17	1.00	1.77	0.23	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2660	240	1450	2571	329	1450	2900	4350	1450	2900	4350	1450

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Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.20	0.06	0.06	0.00	0.01	0.33	0.18	0.08	0.42	0.13
Crit Volume:			288	93			20			608		
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #108 Roseville Pkwy & Secret Ravine Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.592
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	2	0	2	1	0	3

Volume Module:

Base Vol:	1	1	0	121	0	482	480	1370	4	14	1800	111
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	1	0	121	0	482	480	1370	4	14	1800	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:	1	1	0	121	0	482	480	1370	4	14	1800	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	1	0	121	0	482	480	1370	4	14	1800	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:	1	1	0	121	0	482	480	1370	4	14	1800	111

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.00	1.00	2.00	0.00	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1523	1523	1523	3045	0	3045	3045	4554	13	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.16	0.16	0.30	0.30	0.01	0.39	0.07
Crit Volume:	1			61			240			600		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #109 Roseville Pkwy & Taylor Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.771
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 99 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	1	2

Volume Module:

Base Vol:	513	262	178	296	131	168	153	1522	272	252	2079	570
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	513	262	178	296	131	168	153	1522	272	252	2079	570
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:	513	262	178	296	131	168	153	1522	272	252	2079	570
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	513	262	178	296	131	168	153	1522	272	252	2079	570
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:	513	262	178	296	131	168	153	1522	272	252	2079	570

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.18	0.09	0.12	0.10	0.05	0.12	0.05	0.35	0.19	0.09	0.48	0.39
Crit Volume:	257			168			0			693		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #110 West Mall Dwy & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.563
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	2	0	3	0	1	0

Volume Module:

Base Vol:	24	0	19	138	2	225	194	1587	28	33	2000	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	0	19	138	2	225	194	1587	28	33	2000	119
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	0	19	138	2	0	194	1587	28	33	2000	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	0	19	138	2	0	194	1587	28	33	2000	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	24	0	19	138	2	0	194	1587	28	33	2000	119

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	1.97	0.03	1.00	2.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1523	0	1523	3002	44	1523	3045	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.01	0.05	0.05	0.00	0.06	0.35	0.02	0.02	0.44	0.08
Crit Volume:	24			70			97			667		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #111 Alexandra Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.484
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	0	1	0	3	0	0	1

Volume Module:

Base Vol:	0	1814	127	90	1369	0	0	0	0	67	0	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1814	127	90	1369	0	0	0	0	67	0	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1814	127	90	1369	0	0	0	0	67	0	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1814	127	90	1369	0	0	0	0	67	0	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1814	127	90	1369	0	0	0	0	67	0	60

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	4725	1575	1575	4725	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.38	0.08	0.06	0.29	0.00	0.00	0.00	0.00	0.04	0.00	0.04
Crit Volume:	605			90			0			67		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #112 Eureka Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.641
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	266	506	43	132	662	35	34	294	546	52	258	107
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	266	506	43	132	662	35	34	294	546	52	258	107
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:	266	506	43	132	662	35	34	294	546	52	258	107
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	266	506	43	132	662	35	34	294	546	52	258	107
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:	266	506	43	132	662	35	34	294	546	52	258	107

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.17	0.03	0.09	0.23	0.02	0.02	0.10	0.38	0.04	0.09	0.07
Crit Volume:	0			331					546	52		
Crit Moves:	****			****			****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #113 Lead Hill Blvd/Orvieto Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.452
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	123	1528	8	13	1244	63	130	24	172	5	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	123	1528	8	13	1244	63	130	24	172	5	21	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:	123	1528	8	13	1244	63	130	24	172	5	21	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	123	1528	8	13	1244	63	130	24	172	5	21	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:	123	1528	8	13	1244	63	130	24	172	5	21	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	1523	1523	1523	1523	0

Capacity Analysis Module:

Vol/Sat:	0.08	0.33	0.01	0.01	0.27	0.04	0.09	0.02	0.11	0.00	0.01	0.00
Crit Volume:	123			415			130			21		
Crit Moves:	****			****	****	****	****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #114 Roseville Pkwy & N. Cirby Way

Cycle (sec): 120 Critical Vol./Cap.(X): 0.474
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	56	0	85	0	0	0	0	1125	48	69	742	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	56	0	85	0	0	0	0	1125	48	69	742	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:	56	0	85	0	0	0	0	1125	48	69	742	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	56	0	85	0	0	0	0	1125	48	69	742	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:	56	0	85	0	0	0	0	1125	48	69	742	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.92	0.08	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2877	123	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.39	0.39	0.05	0.25	0.00
Crit Volume:	56			0			587		69			
Crit Moves:	****						****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #115 Olympus Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.546
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	0	2	1	0	1

Volume Module:

Base Vol:	9	1319	110	208	1364	41	85	45	100	39	60	207
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	1319	110	208	1364	41	85	45	100	39	60	207
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	9	1319	0	208	1364	41	85	45	100	39	60	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	1319	0	208	1364	41	85	45	100	39	60	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	9	1319	0	208	1364	41	85	45	100	39	60	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	2.91	0.09	1.00	0.31	0.69	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4434	133	1523	473	1050	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.29	0.00	0.14	0.31	0.31	0.06	0.10	0.10	0.03	0.02	0.00
Crit Volume:	440			208			145		39			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #116 Rocky Ridge Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.441
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	0	3	0	0	1	0	0	0

Volume Module:

Base Vol:	46	1625	0	0	1210	229	307	0	107	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	46	1625	0	0	1210	229	307	0	107	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:	46	1625	0	0	1210	229	307	0	107	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	1625	0	0	1210	229	307	0	107	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	46	1625	0	0	1210	229	307	0	107	0	0	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	0.00	0.00	3.00	1.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1575	4725	0	0	4725	1575	3150	0	1575	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.34	0.00	0.00	0.26	0.15	0.10	0.00	0.07	0.00	0.00	0.00
Crit Volume:	542			0			154			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #117 Roseville Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.637
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	0	2	0	1	0	2

Volume Module:

Base Vol:	531	939	40	117	893	47	116	319	717	53	192	76
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	531	939	40	117	893	47	116	319	717	53	192	76
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	531	939	0	117	893	0	116	319	0	53	192	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	531	939	0	117	893	0	116	319	0	53	192	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	531	939	0	117	893	0	116	319	0	53	192	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.18	0.32	0.00	0.08	0.31	0.00	0.08	0.11	0.00	0.04	0.07	0.00
Crit Volume:	265			447			116			96		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #118 Trestle Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.235
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	0	1

Volume Module:

Base Vol:	143	429	19	2	327	13	12	3	76	16	2	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	143	429	19	2	327	13	12	3	76	16	2	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	143	429	19	2	327	13	12	3	76	16	2	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	143	429	19	2	327	13	12	3	76	16	2	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	143	429	19	2	327	13	12	3	76	16	2	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.80	0.20	1.00	0.84	0.11	0.05
Final Sat.:	1450	2900	1450	1450	2900	1450	1160	290	1450	1221	153	76

Capacity Analysis Module:

Vol/Sat:	0.10	0.15	0.01	0.00	0.11	0.01	0.01	0.01	0.05	0.01	0.01	0.01
Crit Volume:	143			164			15			19		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #119 Village Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.349
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	98	806	19	25	573	9	26	0	13	35	0	67
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	98	806	19	25	573	9	26	0	13	35	0	67
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	98	806	19	25	573	9	26	0	13	35	0	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	806	19	25	573	9	26	0	13	35	0	67
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:	98	806	19	25	573	9	26	0	13	35	0	67

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.95	0.05	1.00	1.97	0.03	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2833	67	1450	2855	45	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.28	0.28	0.02	0.20	0.20	0.02	0.00	0.01	0.02	0.00	0.05
Crit Volume:	413			0			26			67		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #120 Roseville Pkwy & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.652
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 66 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	2	0	0

Volume Module:

Base Vol:	6	378	68	282	886	9	24	5	19	50	0	377
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	378	68	282	886	9	24	5	19	50	0	377
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	6	378	0	282	886	9	24	5	19	50	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	378	0	282	886	9	24	5	19	50	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	6	378	0	282	886	9	24	5	19	50	0	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.83	0.17	1.00	2.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	1450	1450	1200	250	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.13	0.00	0.19	0.61	0.01	0.02	0.02	0.01	0.02	0.00	0.00
Crit Volume:	6			886			29			25		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #121 S Cirby Way & Champion Oaks Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.491
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	47	9	9	15	9	0	51	593	45	30	538	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	47	9	9	15	9	0	51	593	45	30	538	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:	47	9	9	15	9	0	51	593	45	30	538	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	9	9	15	9	0	51	593	45	30	538	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	47	9	9	15	9	0	51	593	45	30	538	9

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.72	0.14	0.14	0.62	0.38	1.00	1.00	1.00	1.00	1.00	1.97	0.03
Final Sat.:	1048	201	201	906	544	1450	1450	1450	1450	1450	2852	48

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.02	0.02	0.00	0.04	0.41	0.03	0.02	0.19	0.19
Crit Volume:	65			24			593			30		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #122 S Cirby Way & Old Auburn Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.637
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	51	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 0 1	1 0 1 0 0	0 0 0 0 0	1 0 0 0 1

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Volume Module:

Base Vol:	0	306	251	366	434	0	0	0	0	283	0	375
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	306	251	366	434	0	0	0	0	283	0	375
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	306	251	366	434	0	0	0	0	283	0	375
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	306	251	366	434	0	0	0	0	283	0	375
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	306	251	366	434	0	0	0	0	283	0	375

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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	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1500	1500	1500	1500	0	0	0	0	1500	0	1500

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Capacity Analysis Module:

Vol/Sat:	0.00	0.20	0.17	0.24	0.29	0.00	0.00	0.00	0.00	0.19	0.00	0.25
Crit Volume:	306			366					0	283		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #123 Secret Ravine Pkwy & Scarborough Dr/ Poppy Field Dr

Cycle (sec):	100	Critical Vol./Cap.(X):	0.273
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	31	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 0 0	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	5	1	14	17	0	117	199	291	15	50	319	61
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	1	14	17	0	117	199	291	15	50	319	61
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:	5	1	14	17	0	117	199	291	15	50	319	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	1	14	17	0	117	199	291	15	50	319	61
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:	5	1	14	17	0	117	199	291	15	50	319	61

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.25	0.05	0.70	1.00	0.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	363	73	1015	1450	0	1450	1450	2900	1450	1450	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.00	0.08	0.14	0.10	0.01	0.03	0.11	0.04
Crit Volume:	20			17			199			160		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #124 Miners Ravine & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.401
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	3	1147	2	4	874	3	2	0	4	2	0	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	1147	2	4	874	3	2	0	4	2	0	4
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	1147	2	4	874	3	2	0	4	2	0	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	1147	2	4	874	3	2	0	4	2	0	4
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:	3	1147	2	4	874	3	2	0	4	2	0	4

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.40	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	574			4			2			2		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #125 Secret Ravine Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.463
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	224	925	2	1	729	122	161	0	159	1	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	224	925	2	1	729	122	161	0	159	1	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	224	925	2	1	729	122	161	0	159	1	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	224	925	2	1	729	122	161	0	159	1	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	224	925	2	1	729	122	161	0	159	1	1	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	0.50	0.50	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	725	725	1450

Capacity Analysis Module:

Vol/Sat:	0.15	0.32	0.00	0.00	0.25	0.08	0.06	0.00	0.11	0.00	0.00	0.00
Crit Volume:	224			365			81			2		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #126 Eureka Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.690
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 74 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	2	1

Volume Module:

Base Vol:	104	1027	29	219	947	158	109	279	54	39	180	202
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	104	1027	29	219	947	158	109	279	54	39	180	202
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	104	1027	0	219	947	0	109	279	0	39	180	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	104	1027	0	219	947	0	109	279	0	39	180	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	104	1027	0	219	947	0	109	279	0	39	180	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.07	0.34	0.00	0.14	0.31	0.00	0.07	0.18	0.00	0.03	0.06	0.00
Crit Volume:	514			219			279			39		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #127 Indigo Creek Apts & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.479
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	119	1236	31	95	1044	51	207	5	178	109	7	89
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	119	1236	31	95	1044	51	207	5	178	109	7	89
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:	119	1236	31	95	1044	51	207	5	178	109	7	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	1236	31	95	1044	51	207	5	178	109	7	89
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:	119	1236	31	95	1044	51	207	5	178	109	7	89

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.95	0.05	1.00	0.94	0.06	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	2973	72	1523	1431	92	1523

Capacity Analysis Module:

Vol/Sat:	0.08	0.27	0.02	0.06	0.23	0.03	0.07	0.07	0.12	0.08	0.08	0.06
Crit Volume:	412			95			106			116		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #128 Old Auburn Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.810
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 120 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	301	1291	63	23	1333	270	190	183	221	29	73	99
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	301	1291	63	23	1333	270	190	183	221	29	73	99
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:	301	1291	63	23	1333	270	190	183	221	29	73	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	301	1291	63	23	1333	270	190	183	221	29	73	99
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	301	1291	63	23	1333	270	190	183	221	29	73	99

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	1523	1523

Capacity Analysis Module:

Vol/Sat:	0.20	0.42	0.04	0.02	0.44	0.18	0.12	0.12	0.15	0.02	0.05	0.07
Crit Volume:	301			667			190					99
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #129 Olympus Dr & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.414
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	252	1050	12	3	844	38	110	3	229	6	5	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	252	1050	12	3	844	38	110	3	229	6	5	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	252	1050	12	3	844	38	110	3	229	6	5	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	252	1050	12	3	844	38	110	3	229	6	5	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	252	1050	12	3	844	38	110	3	229	6	5	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.95	0.05	1.00	0.55	0.45	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	2823	77	1450	791	659	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.36	0.01	0.00	0.19	0.03	0.04	0.04	0.16	0.01	0.01	0.00
Crit Volume:	252			281			57			11		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #130 Fairway Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.531
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	2	0	3	0	1	0

Volume Module:

Base Vol:	176	1032	196	58	731	64	80	269	209	174	128	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	176	1032	196	58	731	64	80	269	209	174	128	17
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:	176	1032	196	58	731	64	80	269	209	174	128	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	176	1032	196	58	731	64	80	269	209	174	128	17
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:	176	1032	196	58	731	64	80	269	209	174	128	17

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	0.88	0.12
Final Sat.:	2900	2900	1450	2900	4350	1450	1450	2900	1450	2900	1280	170

Capacity Analysis Module:

Vol/Sat:	0.06	0.36	0.14	0.02	0.17	0.04	0.06	0.09	0.14	0.06	0.10	0.10
Crit Volume:	516			29			80			145		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #131 Five Star Blvd & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.639
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	1	2	0	3	0	1	0

Volume Module:

Base Vol:	612	1313	306	70	1042	122	122	105	273	320	100	41
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	612	1313	306	70	1042	122	122	105	273	320	100	41
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	612	1313	306	70	1042	122	122	105	273	320	100	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	612	1313	306	70	1042	122	122	105	273	320	100	41
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:	612	1313	306	70	1042	122	122	105	273	320	100	41

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	1.07	0.93	1.00	2.00	0.71	0.29
Final Sat.:	2900	4350	1450	2900	4350	1450	1559	1341	1450	2900	1028	422

Capacity Analysis Module:

Vol/Sat:	0.21	0.30	0.21	0.02	0.24	0.08	0.08	0.08	0.19	0.11	0.10	0.10
Crit Volume:	306			347			114			160		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #132 Highland Park Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.296
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 1	1 0 3 0 1	1 0 0 1 0	2 0 0 1 0

Volume Module:

Base Vol:	45 1023 13	7 741 107	90 16 40	21 8 4
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	45 1023 13	7 741 107	90 16 40	21 8 4
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:	45 1023 13	7 741 107	90 16 40	21 8 4
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	45 1023 13	7 741 107	90 16 40	21 8 4
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:	45 1023 13	7 741 107	90 16 40	21 8 4

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
Adjustment:	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05
Lanes:	1.00 3.00 1.00	1.00 3.00 1.00	1.00 0.29 0.71	2.00 0.67 0.33
Final Sat.:	1523 4568 1523	1523 4568 1523	1523 435 1088	3045 1015 508

Capacity Analysis Module:

Vol/Sat:	0.03 0.22 0.01	0.00 0.16 0.07	0.06 0.04 0.04	0.01 0.01 0.01
Crit Volume:	341	7	90	12
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #133 Coloma Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.640
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 1 0	1 0 1 1 0	1 0 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	29 1405 40	89 1478 22	44 13 22	49 8 64
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	29 1405 40	89 1478 22	44 13 22	49 8 64
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:	29 1405 40	89 1478 22	44 13 22	49 8 64
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	29 1405 40	89 1478 22	44 13 22	49 8 64
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:	29 1405 40	89 1478 22	44 13 22	49 8 64

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 1.97 0.03	1.00 0.37 0.63	1.00 0.11 0.89
Final Sat.:	1450 2820 80	1450 2857 43	1450 539 911	1450 161 1289

Capacity Analysis Module:

Vol/Sat:	0.02 0.50 0.50	0.06 0.52 0.52	0.03 0.02 0.02	0.03 0.05 0.05
Crit Volume:	723	89	44	72
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #134 Sandringham Way/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.513
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	19	1363	14	20	1424	7	17	0	12	30	0	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	19	1363	14	20	1424	7	17	0	12	30	0	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	19	1363	14	20	1424	7	17	0	12	30	0	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	1363	14	20	1424	7	17	0	12	30	0	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	19	1363	14	20	1424	7	17	0	12	30	0	20

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.98	0.02	1.00	1.99	0.01	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1523	3014	31	1523	3030	15	1523	0	1523	1523	0	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.45	0.45	0.01	0.47	0.47	0.01	0.00	0.01	0.02	0.00	0.01
Crit Volume:	19			716			17			30		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #135 Sun Tree Dr/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.616
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 48 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	0	1

Volume Module:

Base Vol:	6	1305	13	33	1353	64	47	24	9	89	27	50
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	1305	13	33	1353	64	47	24	9	89	27	50
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:	6	1305	13	33	1353	64	47	24	9	89	27	50
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	1305	13	33	1353	64	47	24	9	89	27	50
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:	6	1305	13	33	1353	64	47	24	9	89	27	50

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.98	0.02	1.00	2.00	1.00	0.59	0.30	0.11	0.54	0.16	0.30
Final Sat.:	1523	3015	30	1523	3045	1523	894	457	171	816	248	459

Capacity Analysis Module:

Vol/Sat:	0.00	0.43	0.43	0.02	0.44	0.04	0.05	0.05	0.05	0.11	0.11	0.11
Crit Volume:		659	33		33		80			166		
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #136 Frances Dr & Sunrise Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.574
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Include	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 1 0	1 0 1 1 0	0 0 1! 0 0	0 1 0 1 0

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Volume Module:

Base Vol:	8 1460	28	28 1547	4	3 0	2	42 5	42
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
Initial Bse:	8 1460	28	28 1547	4	3 0	2	42 5	42
User Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
PHF Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
PHF Volume:	8 1460	28	28 1547	4	3 0	2	42 5	42
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	8 1460	28	28 1547	4	3 0	2	42 5	42
PCE Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
MLF Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
FinalVolume:	8 1460	28	28 1547	4	3 0	2	42 5	42

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Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
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 1.96	0.04	1.00 1.99	0.01	0.60 0.00	0.40	0.95 0.11	0.94
Final Sat.:	1450 2845	55	1450 2893	7	870 0	580	1369 163	1369

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Capacity Analysis Module:

Vol/Sat:	0.01 0.51	0.51	0.02 0.53	0.53	0.00 0.00	0.00	0.03 0.03	0.03
Crit Volume:	8		776		5		44	
Crit Moves:	****		****		****		****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #137 Oak Ridge Dr & Sunrise Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.304
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1 1 0	1 0 2 0 0	0 0 0 0 0	1 0 0 0 1

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Volume Module:

Base Vol:	0 755	14	34 714	0	0 0	0	38 0	57
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
Initial Bse:	0 755	14	34 714	0	0 0	0	38 0	57
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:	0 755	14	34 714	0	0 0	0	38 0	57
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	0 755	14	34 714	0	0 0	0	38 0	57
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:	0 755	14	34 714	0	0 0	0	38 0	57

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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 1.96	0.04	1.00 2.00	0.00	0.00 0.00	0.00	1.00 0.00	1.00
Final Sat.:	0 2945	55	1500 3000	0	0 0	0	1500 0	1500

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Capacity Analysis Module:

Vol/Sat:	0.00 0.26	0.26	0.02 0.24	0.00	0.00 0.00	0.00	0.03 0.00	0.04
Crit Volume:		385	34		0		38	
Crit Moves:	****	****					****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #138 Diamond Oaks Rd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.690
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 60 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	13	748	84	154	730	34	5	4	12	78	0	131
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	748	84	154	730	34	5	4	12	78	0	131
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	748	84	154	730	34	5	4	12	78	0	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	748	84	154	730	34	5	4	12	78	0	131
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	13	748	84	154	730	34	5	4	12	78	0	131

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.24	0.19	0.57	1.00	0.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	345	276	829	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.52	0.06	0.11	0.50	0.02	0.01	0.01	0.01	0.05	0.00	0.09
Crit Volume:	748			154			21		78			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #139 Sawtell Rd/Derek Pl & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.365
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	0	1	0	0	1	0

Volume Module:

Base Vol:	60	800	19	11	743	31	60	0	32	45	4	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	800	19	11	743	31	60	0	32	45	4	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	800	19	11	743	31	60	0	32	45	4	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	800	19	11	743	31	60	0	32	45	4	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	60	800	19	11	743	31	60	0	32	45	4	21

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	1.92	0.08	1.00	0.00	1.00	0.92	0.08	1.00
Final Sat.:	1523	3045	1523	1523	2923	122	1523	0	1523	1398	124	1523

Capacity Analysis Module:

Vol/Sat:	0.04	0.26	0.01	0.01	0.25	0.25	0.04	0.00	0.02	0.03	0.03	0.01
Crit Volume:	60			387		60	49					
Crit Moves:	****			****		****	****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #140 Hallissy Dr & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.369
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	0	0	0	0	1	0	0

Volume Module:

Base Vol:	0	393	119	35	481	0	0	0	0	72	0	35
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	393	119	35	481	0	0	0	0	72	0	35
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	393	119	35	481	0	0	0	0	72	0	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	393	119	35	481	0	0	0	0	72	0	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	393	119	35	481	0	0	0	0	72	0	35

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	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3000	1500	1500	1500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.13	0.08	0.02	0.32	0.00	0.00	0.00	0.00	0.05	0.00	0.02
Crit Volume:	0			481			0			72		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #141 Baseline Rd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.543
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	1	1	0	0	1	0	2

Volume Module:

Base Vol:	66	0	86	160	0	63	82	478	31	52	462	249
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	0	86	160	0	63	82	478	31	52	462	249
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	66	0	86	160	0	63	82	478	31	52	462	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	0	86	160	0	63	82	478	31	52	462	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	66	0	86	160	0	63	82	478	31	52	462	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.00	1.00	1.00	0.94	0.06	1.00	2.00	1.00
Final Sat.:	1450	0	1450	1450	0	1450	1450	1362	88	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.00	0.06	0.11	0.00	0.04	0.06	0.35	0.35	0.04	0.16	0.00
Crit Volume:	66			160			509		52			
Crit Moves:	****			****			****		****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #142 Canevari Dr/Arsenault Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.474
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	125	573	24	17	487	20	27	6	85	13	10	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	573	24	17	487	20	27	6	85	13	10	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	573	24	17	487	20	27	6	85	13	10	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	573	24	17	487	20	27	6	85	13	10	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	573	24	17	487	20	27	6	85	13	10	14

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.96	0.04	1.00	0.96	0.04	0.82	0.18	1.00	0.57	0.43	1.00
Final Sat.:	1450	1392	58	1450	1393	57	1186	264	1450	820	630	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.41	0.41	0.01	0.35	0.35	0.02	0.02	0.06	0.02	0.02	0.01
Crit Volume:	125			507			33			23		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #143 Horncastle Ave & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.374
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	50	326	10	30	406	76	68	2	37	13	4	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	50	326	10	30	406	76	68	2	37	13	4	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	50	326	10	30	406	76	68	2	37	13	4	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	326	10	30	406	76	68	2	37	13	4	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	50	326	10	30	406	76	68	2	37	13	4	16

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.97	0.03	1.00	0.76	0.24	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1409	41	1450	1109	341	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.22	0.01	0.02	0.28	0.05	0.05	0.05	0.03	0.01	0.01	0.01
Crit Volume:	50			406			70			17		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #144 McAnally Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.335
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	1	0	1

Volume Module:

Base Vol:	31	613	19	102	604	79	30	11	30	27	21	86
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	31	613	19	102	604	79	30	11	30	27	21	86
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	613	19	102	604	79	30	11	30	27	21	86
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	613	19	102	604	79	30	11	30	27	21	86
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	613	19	102	604	79	30	11	30	27	21	86

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.77	0.23	0.73	0.27	1.00	1.00	1.00	1.00
Final Sat.:	1450	2813	87	1450	2565	335	1061	389	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.22	0.22	0.07	0.24	0.24	0.03	0.03	0.02	0.02	0.01	0.06
Crit Volume:	316	102					41		27			
Crit Moves:	****	****					****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #145 Trailee Ln & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.288
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	1	1	0	0

Volume Module:

Base Vol:	34	549	36	36	551	3	76	0	47	13	0	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	549	36	36	551	3	76	0	47	13	0	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	549	36	36	551	3	76	0	47	13	0	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	549	36	36	551	3	76	0	47	13	0	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	34	549	36	36	551	3	76	0	47	13	0	25

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.88	0.12	1.00	2.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2722	178	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.20	0.20	0.02	0.19	0.00	0.05	0.00	0.03	0.01	0.00	0.02
Crit Volume:	293			36			76			13		
Crit Moves:	****	****		****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.647
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	2	0	1	0	0	2	0	1

Volume Module:

Base Vol:	342	0	367	130	219	251	0	1591	259	178	613	361
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	342	0	367	130	219	251	0	1591	259	178	613	361
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	342	0	367	130	219	0	0	1591	259	178	613	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	342	0	367	130	219	0	0	1591	259	178	613	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	342	0	367	130	219	0	0	1591	259	178	613	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	2.00	1.00	0.00	4.00	1.00	2.00	2.00	1.00
Final Sat.:	1450	0	2900	1450	2900	1450	0	5800	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.24	0.00	0.13	0.09	0.08	0.00	0.00	0.27	0.18	0.06	0.21	0.00
Crit Volume:	342			109			398			89		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.708
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 78 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	3	0	0	1

Volume Module:

Base Vol:	0	0	1014	0	0	319	185	1048	0	0	2629	254
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	1014	0	0	319	185	1048	0	0	2629	254
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	0	0	0	0	0	319	185	1048	0	0	2629	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	319	185	1048	0	0	2629	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	0	0	0	0	0	319	185	1048	0	0	2629	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	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	1500	0	0	3000	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.11	0.12	0.23	0.00	0.00	0.58	0.00
Crit Volume:	0			0		185	876			876		
Crit Moves:				****		****	****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #148 Douglas Blvd & I-80 WB Off-Ramp

Cycle (sec):	120	Critical Vol./Cap.(X):	0.801
Loss Time (sec):	6	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	72	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	2 0 0 0 1	0 0 2 0 1	0 0 2 0 1

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Volume Module:

Base Vol:	0 0 0	862 0 229	0 1030 158	0 1540 329
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 0 0	862 0 229	0 1030 158	0 1540 329
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Volume:	0 0 0	862 0 229	0 1030 0	0 1540 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 0 0	862 0 229	0 1030 0	0 1540 0
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
FinalVolume:	0 0 0	862 0 229	0 1030 0	0 1540 0

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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 0.00	2.00 0.00 1.00	0.00 2.00 1.00	0.00 2.00 1.00
Final Sat.:	0 0 0	3000 0 1500	0 3000 1500	0 3000 1500

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Capacity Analysis Module:

Vol/Sat:	0.00 0.00 0.00	0.29 0.00 0.15	0.00 0.34 0.00	0.00 0.51 0.00
Crit Volume:	0	431	0	770
Crit Moves:		****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #149 Atlantic St & I-80 WB On-Ramp

Cycle (sec):	120	Critical Vol./Cap.(X):	0.476
Loss Time (sec):	6	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 1	0 0 0 0 1	0 0 3 0 1	2 0 2 0 0

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Volume Module:

Base Vol:	0 0 0	0 0 0	0 464 316	967 371 0
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 0 0	0 0 0	0 464 316	967 371 0
User Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 0 0	0 0 0	0 464 316	967 371 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 0 0	0 0 0	0 464 316	967 371 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 0 0	0 0 0	0 464 316	967 371 0

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Saturation Flow Module:

Sat/Lane:	1600 1600 1600	1600 1600 1600	1600 1600 1600	1600 1600 1600
Adjustment:	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05	1.05 1.05 1.05
Lanes:	0.00 0.00 1.00	0.00 0.00 1.00	0.00 3.00 1.00	2.00 2.00 0.00
Final Sat.:	0 0 1680	0 0 1680	0 5040 1680	3360 3360 0

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Capacity Analysis Module:

Vol/Sat:	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.09 0.19	0.29 0.11 0.00
Crit Volume:	0	0	316 483	877
Crit Moves:			****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #150 Pleasant Grove Blvd & SR 65 NB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.574
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	3	0	0	0	0	0	0	0	3	1	0	0

Volume Module:

Base Vol:	478	0	504	0	0	0	0	1523	382	194	1471	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	478	0	504	0	0	0	0	1523	382	194	1471	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	478	0	504	0	0	0	0	1523	0	194	1471	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	478	0	504	0	0	0	0	1523	0	194	1471	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	478	0	504	0	0	0	0	1523	0	194	1471	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:	3.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	4500	0	3000	0	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.11	0.00	0.17	0.00	0.00	0.00	0.00	0.34	0.00	0.13	0.33	0.00
Crit Volume:	159			0			508			194		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #151 Pleasant Grove Blvd & SR 65 SB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.569
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	1	0	0	2

Volume Module:

Base Vol:	0	0	0	124	0	346	0	2040	515	0	1638	275
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	124	0	346	0	2040	515	0	1638	275
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	124	0	346	0	2040	0	0	1638	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	124	0	346	0	2040	0	0	1638	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	124	0	346	0	2040	0	0	1638	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	0.00	1.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	3000	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.08	0.00	0.12	0.00	0.45	0.00	0.00	0.36	0.00
Crit Volume:	0			173		680				0		
Crit Moves:				****		****	****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #152 I-80 WB Off-Ramp & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.654
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	0	2	0	0	0	2	0	0

Volume Module:

Base Vol:	0	1485	194	0	792	924	0	0	0	476	0	221
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1485	194	0	792	924	0	0	0	476	0	221
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1485	0	0	792	0	0	0	0	476	0	221
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1485	0	0	792	0	0	0	0	476	0	221
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1485	0	0	792	0	0	0	0	476	0	221

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	2.00	1.00	0.00	2.00	1.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	0	3000	1500	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.50	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.16	0.00	0.15
Crit Volume:	743			0			0			238		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #153 SR 65 NB On-Ramp & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.841
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 90 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	1	0	0	0	0	0

Volume Module:

Base Vol:	741	512	0	0	1747	65	0	0	144	0	0	456
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	741	512	0	0	1747	65	0	0	144	0	0	456
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	741	512	0	0	1747	65	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	741	512	0	0	1747	65	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	741	512	0	0	1747	65	0	0	0	0	0	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	2.00	0.00	0.00	2.89	0.11	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	1600	3200	0	0	4628	172	0	0	1600	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.46	0.16	0.00	0.00	0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	741					604	0			0		
Crit Moves:	****					****						

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #154 SR 65 SB On-Ramp & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.639
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 3 0 1	2 0 3 0 0	0 0 0 0 2	0 0 0 0 1

Volume Module:

Base Vol:	0	2130	514	624	1394	0	0	0	478	0	0	158
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	2130	514	624	1394	0	0	0	478	0	0	158
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	2130	514	624	1394	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	2130	514	624	1394	0	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	2130	514	624	1394	0	0	0	0	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	2.00	0.00	0.00	1.00
Final Sat.:	0	4800	1600	3200	4800	0	0	0	3200	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.44	0.32	0.20	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	710			312			0				0	
Crit Moves:	****			****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 1.090
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Include	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 0 1	2 0 0 0 1	1 0 2 0 1	0 0 3 0 1

Volume Module:

Base Vol:	158	434	489	335	0	544	297	1084	396	0	1745	230
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	158	434	489	335	0	544	297	1084	396	0	1745	230
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	158	434	0	335	0	544	297	1084	0	0	1745	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	158	434	0	335	0	544	297	1084	0	0	1745	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	158	434	0	335	0	544	297	1084	0	0	1745	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	2.00	0.00	1.00	1.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	1450	1450	2900	1450	0	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.30	0.00	0.12	0.00	0.38	0.20	0.37	0.00	0.00	0.40	0.00
Crit Volume:	158			544	297						582	
Crit Moves:	****			****	****						****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #156 Fairway Dr & Highland Park Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.266
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	18	1	10	21	0	30	54	555	4	4	514	52
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	1	10	21	0	30	54	555	4	4	514	52
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:	18	1	10	21	0	30	54	555	4	4	514	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	1	10	21	0	30	54	555	4	4	514	52
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:	18	1	10	21	0	30	54	555	4	4	514	52

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.09	0.91	1.00	0.00	1.00	1.00	1.99	0.01	1.00	1.82	0.18
Final Sat.:	1450	132	1318	1450	0	1450	1450	2879	21	1450	2634	266

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.00	0.02	0.04	0.19	0.19	0.00	0.20	0.20
Crit Volume:	18			30		54				283		
Crit Moves:	****			****		****				****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #157 I-80 EB Off-Ramp/Orlando Ave & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.602
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 57 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	1	1	0	2	0	0	1

Volume Module:

Base Vol:	0	1074	81	56	970	0	0	423	189	136	0	152
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1074	81	56	970	0	0	423	189	136	0	152
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	1074	81	56	970	0	0	423	189	136	0	152
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1074	81	56	970	0	0	423	189	136	0	152
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	1074	81	56	970	0	0	423	189	136	0	152

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00	2.00	0.00	1.00
Final Sat.:	0	2900	1450	1450	2900	0	0	2900	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.37	0.06	0.04	0.33	0.00	0.00	0.15	0.13	0.05	0.00	0.10
Crit Volume:	537			56			212			68		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #180 Baseline Rd & Santucci Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.715
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 80 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	45	0	257	0	0	0	0	815	50	177	249	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	0	257	0	0	0	0	815	50	177	249	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:	45	0	257	0	0	0	0	815	50	177	249	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	0	257	0	0	0	0	815	50	177	249	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:	45	0	257	0	0	0	0	815	50	177	249	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	1500	1500	1500	1500	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.17	0.00	0.00	0.00	0.00	0.54	0.03	0.12	0.17	0.00
Crit Volume:			257	0			815		0			
Crit Moves:	****						****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1001 Darling Way & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.472
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	1	0	1	0	0	1	0

Volume Module:

Base Vol:	44	478	167	15	413	1	31	43	52	106	11	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	44	478	167	15	413	1	31	43	52	106	11	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	44	478	167	15	413	1	31	43	52	106	11	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	478	167	15	413	1	31	43	52	106	11	21
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:	44	478	167	15	413	1	31	43	52	106	11	21

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.99	0.01	0.42	0.58	1.00	0.91	0.09	1.00
Final Sat.:	1450	1450	1450	1450	2893	7	607	843	1450	1314	136	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.33	0.12	0.01	0.14	0.14	0.05	0.05	0.04	0.08	0.08	0.01
Crit Volume:		478		15			74			117		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1002 Vernon St & Douglas Blvd/Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.421
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	0	223	269	0	166	152	137	92	0	254	267	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	223	269	0	166	152	137	92	0	254	267	5
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	223	269	0	166	0	137	92	0	254	267	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	223	269	0	166	0	137	92	0	254	267	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	223	269	0	166	0	137	92	0	254	267	5

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	1.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.98	0.02
Final Sat.:	0	1500	1500	0	1500	1500	0	1500	1500	0	1472	28

Capacity Analysis Module:

Vol/Sat:	0.00	0.15	0.18	0.00	0.11	0.00	0.09	0.06	0.00	0.17	0.18	0.18
Crit Volume:	223			0			137			272		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1003 Vernon St & Grant St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.339
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	118	59	63	4	22	10	6	334	2	22	228	18
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	118	59	63	4	22	10	6	334	2	22	228	18
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	118	59	63	4	22	10	6	334	2	22	228	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	118	59	63	4	22	10	6	334	2	22	228	18
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	118	59	63	4	22	10	6	334	2	22	228	18

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:	0.67	0.33	1.00	0.11	0.61	0.28	0.02	0.98	1.00	0.08	0.85	0.07
Final Sat.:	1067	533	1600	178	978	444	28	1572	1600	131	1361	107

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.04	0.02	0.02	0.02	0.21	0.21	0.00	0.17	0.17	0.17
Crit Volume:	177			4			340			22		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1004 Vernon St & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.278
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 20 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	35	12	34	7	9	6	4	364	11	9	301	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	35	12	34	7	9	6	4	364	11	9	301	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	35	12	34	7	9	6	4	364	11	9	301	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	12	34	7	9	6	4	364	11	9	301	6
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:	35	12	34	7	9	6	4	364	11	9	301	6

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:	0.74	0.26	1.00	0.32	0.41	0.27	0.01	0.96	0.03	0.03	0.95	0.02
Final Sat.:	1191	409	1600	509	655	436	17	1537	46	46	1524	30

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.02	0.01	0.01	0.01	0.24	0.24	0.24	0.20	0.20	0.20
Crit Volume:	35			22			379		9			
Crit Moves:	****			****			****		****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1005 Vernon St & Lincoln St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.598
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	36	12	234	22	68	10	42	316	27	250	240	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	12	234	22	68	10	42	316	27	250	240	4
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	12	234	22	68	10	42	316	27	250	240	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	12	234	22	68	10	42	316	27	250	240	4
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:	36	12	234	22	68	10	42	316	27	250	240	4

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:	0.13	0.04	0.83	0.22	0.68	0.10	1.00	0.92	0.08	1.00	0.98	0.02
Final Sat.:	191	64	1245	330	1020	150	1500	1382	118	1500	1475	25

Capacity Analysis Module:

Vol/Sat:	0.19	0.19	0.19	0.07	0.07	0.07	0.03	0.23	0.23	0.17	0.16	0.16
Crit Volume:			282	22			343		250			
Crit Moves:	****	****		****	****		****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1006 Main St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.568
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	0	2	0	1	0	1	0

Volume Module:

Base Vol:	337	831	21	30	623	0	76	85	118	71	112	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	337	831	21	30	623	0	76	85	118	71	112	30
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	337	831	21	30	623	0	76	85	118	71	112	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	337	831	21	30	623	0	76	85	118	71	112	30
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	337	831	21	30	623	0	76	85	118	71	112	30

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	0.47	0.53	1.00	0.39	0.61	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	684	766	1450	563	887	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.29	0.01	0.02	0.21	0.00	0.11	0.11	0.08	0.13	0.13	0.02
Crit Volume:	169			312			161			183		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Roseville City Intersections)

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

Intersection #1007 Oak St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.341
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	1	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	0	35	32	627	8	391	144	19	1	0	28	879
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	35	32	627	8	391	144	19	1	0	28	879
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	35	32	627	8	391	144	19	1	0	28	879
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	35	32	627	8	391	144	19	1	0	28	879
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	35	32	627	8	391	144	19	1	0	28	879

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.52	0.48	1.97	0.03	1.00	1.76	0.23	0.01	0.00	1.00	2.00
Final Sat.:	0	757	693	2863	37	1450	2546	336	18	0	1450	2900

Capacity Analysis Module:

Vol/Sat:	0.00	0.05	0.05	0.22	0.22	0.27	0.06	0.06	0.06	0.00	0.02	0.30
Crit Volume:			67	317			82			28		
Crit Moves:	****	****		****			****			****		

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

Scenario Report

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#303 Pleasant Grove N & Riego	E 47.5	1.028	E 47.5	1.028	+ 0.000 V/C
#304 Pleasant Grove S & Riego	E 45.8	1.024	E 45.8	1.024	+ 0.000 V/C
#305 Watt Ave & PFE Rd	C 16.0	0.707	C 16.0	0.707	+ 0.000 V/C
#306 Walerga Rd & PFE Rd	E xxxxx	0.913	E xxxxx	0.913	+ 0.000 V/C
#308 Fiddymment & Athens	A 8.8	0.302	A 8.8	0.302	+ 0.000 V/C
#315 SR 99 & Riego Rd	E xxxxx	0.934	E xxxxx	0.934	+ 0.000 V/C
#319 Industrial & Athens	A xxxxx	0.266	A xxxxx	0.266	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #303 Pleasant Grove N & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 1.028
Loss Time (sec): 0 Average Delay (sec/veh): 47.5
Optimal Cycle: 0 Level Of Service: E

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 0 1 0	0 1 0 0	0 0 1 0

Volume Module:

Base Vol:	0	0	0	39	0	11	9	145	0	0	735	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	39	0	11	9	145	0	0	735	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	0	0	41	0	12	9	153	0	0	774	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	41	0	12	9	153	0	0	774	63
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	41	0	12	9	153	0	0	774	63

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	0.78	0.00	0.22	0.06	0.94	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	463	0	131	42	675	0	0	752	882

Capacity Analysis Module:

Vol/Sat:	xxxx	xxxx	xxxx	0.09	xxxx	0.09	0.23	0.23	xxxx	xxxx	1.03	0.07
Crit Moves:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Delay/Veh:	0.0	0.0	0.0	9.5	0.0	9.5	9.4	9.4	0.0	0.0	61.3	7.1
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	9.5	0.0	9.5	9.4	9.4	0.0	0.0	61.3	7.1
LOS by Move:	*	*	*	A	*	A	A	A	*	*	F	A
ApproachDel:	xxxxxx			9.5			9.4				57.2	
Delay Adj:	xxxxxx			1.00			1.00				1.00	
ApprAdjDel:	xxxxxx			9.5			9.4				57.2	
LOS by Appr:	*			A			A				F	
AllWayAvgQ:	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.3	0.3	0.0	11.2	0.1

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #304 Pleasant Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 1.024
Loss Time (sec): 0 Average Delay (sec/veh): 45.8
Optimal Cycle: 0 Level Of Service: E

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	0 0 1 0	0 1 0 0

Volume Module:

Base Vol:	65	0	27	0	0	0	0	144	36	43	729	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	65	0	27	0	0	0	0	144	36	43	729	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	68	0	28	0	0	0	0	152	38	45	767	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	0	28	0	0	0	0	152	38	45	767	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:	68	0	28	0	0	0	0	152	38	45	767	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:	0.71	0.00	0.29	0.00	0.00	0.00	0.00	1.00	1.00	0.06	0.94	0.00
Final Sat.:	421	0	175	0	0	0	0	662	760	44	750	0

Capacity Analysis Module:

Vol/Sat:	0.16	xxxx	0.16	xxxx	xxxx	xxxx	0.23	0.23	0.05	1.02	1.02	xxxx
Crit Moves:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Delay/Veh:	10.1	0.0	10.1	0.0	0.0	0.0	0.0	9.7	7.6	58.5	58.5	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	0.0	10.1	0.0	0.0	0.0	0.0	9.7	7.6	58.5	58.5	0.0
LOS by Move:	B	*	B	*	*	*	*	A	A	F	F	*
ApproachDel:	10.1			xxxxxx				9.3			58.5	
Delay Adj:	1.00			xxxxxx				1.00			1.00	
ApprAdjDel:	10.1			xxxxxx				9.3			58.5	
LOS by Appr:	B			*				A			F	
AllWayAvgQ:	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.1	11.2	11.2	11.2

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.707
Loss Time (sec): 0 Average Delay (sec/veh): 16.0
Optimal Cycle: 0 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Stop Sign Stop Sign Stop Sign
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 1 0 0 0 0 1 0 0 0 0

Volume Module:
Base Vol: 1 192 290 9 335 0 0 1 0 241 1 17
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 1 192 290 9 335 0 0 1 0 241 1 17
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95
PHF Volume: 1 202 305 9 353 0 0 1 0 254 1 18
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 1 202 305 9 353 0 0 1 0 254 1 18
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: 1 202 305 9 353 0 0 1 0 254 1 18

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: 0.01 0.39 0.60 0.03 0.97 0.00 0.00 1.00 0.00 0.93 0.01 0.06
Final Sat.: 1 286 432 17 628 0 0 445 0 518 2 37

Capacity Analysis Module:
Vol/Sat: 0.71 0.71 0.71 0.56 0.56 xxxx xxxx 0.49 0.49 0.49
Crit Moves: ****
Delay/Veh: 18.1 18.1 18.1 14.6 14.6 0.0 0.0 9.6 0.0 14.1 14.1 14.1
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: 18.1 18.1 18.1 14.6 14.6 0.0 0.0 9.6 0.0 14.1 14.1 14.1
LOS by Move: C C C B B * * A * B B
ApproachDel: 18.1 14.6 9.6 14.1
Delay Adj: 1.00 1.00 1.00 1.00
ApprAdjDel: 18.1 14.6 9.6 14.1
LOS by Appr: C B A B
AllWayAvgQ: 2.0 2.0 2.0 1.1 1.1 1.1 0.0 0.0 0.0 0.8 0.8 0.8

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #306 Walerga Rd & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.913
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 1 0 1 0 0 1 0 1 0

Volume Module:
Base Vol: 107 600 163 29 694 70 44 96 121 104 88 25
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 107 600 163 29 694 70 44 96 121 104 88 25
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95
PHF Volume: 113 632 172 31 731 74 46 101 127 109 93 26
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 113 632 172 31 731 74 46 101 127 109 93 26
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 113 632 172 31 731 74 46 101 127 109 93 26

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 0.79 0.21 1.00 0.91 0.09 1.00 0.44 0.56 1.00 0.78 0.22
Final Sat.: 1375 1081 294 1375 1249 126 1375 608 767 1375 1071 304

Capacity Analysis Module:
Vol/Sat: 0.08 0.58 0.58 0.02 0.58 0.58 0.03 0.17 0.17 0.08 0.09 0.09
Crit Volume: 113 804 228 109
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.302
Loss Time (sec): 0 Average Delay (sec/veh): 8.8
Optimal Cycle: 0 Level Of Service: A

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

Volume Module:

Base Vol:	0	71	177	16	97	0	0	0	0	152	0	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	71	177	16	97	0	0	0	0	152	0	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	75	186	17	102	0	0	0	0	160	0	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	75	186	17	102	0	0	0	0	160	0	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	75	186	17	102	0	0	0	0	160	0	12

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.29	0.71	0.14	0.86	0.00	0.00	1.00	0.00	0.93	0.00	0.07
Final Sat.:	0	247	617	106	644	0	0	672	0	657	0	48

Capacity Analysis Module:

Vol/Sat:	xxxx	0.30	0.30	0.16	0.16	xxxx	xxxx	0.00	xxxx	0.24	xxxx	0.24
Crit Moves:	****			****		****			****			
Delay/Veh:	0.0	8.7	8.7	8.4	8.4	0.0	0.0	0.0	0.0	9.3	0.0	9.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	8.7	8.7	8.4	8.4	0.0	0.0	0.0	0.0	9.3	0.0	9.3
LOS by Move:	*	A	A	A	A	*	*	*	*	A	*	A
ApproachDel:	8.7			8.4		xxxxxx			9.3			
Delay Adj:	1.00			1.00		xxxxxx			1.00			
ApprAdjDel:	8.7			8.4		xxxxxx			9.3			
LOS by Appr:	A			A		*			A			
AllWayAvgQ:	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #315 SR 99 & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.934
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	1 0 2 0 1	0 1 0 0 1	1 1 0 0 1

Volume Module:

Base Vol:	17	711	143	43	1609	21	7	10	8	676	19	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	711	143	43	1609	21	7	10	8	676	19	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.00	0.95	0.95	0.95
PHF Volume:	18	748	151	45	1694	22	7	11	0	712	20	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	748	151	45	1694	22	7	11	0	712	20	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.10	1.00	1.00
FinalVolume:	18	748	151	45	1694	22	7	11	0	783	20	21

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	2.00	1.00	0.41	0.59	1.00	1.95	0.05	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	566	809	1375	2681	69	1375

Capacity Analysis Module:

Vol/Sat:	0.01	0.27	0.11	0.03	0.62	0.02	0.01	0.01	0.00	0.29	0.29	0.02
Crit Volume:	18			847		18			401			
Crit Moves:	****			****		****			****			

Existing AM Thu Jun 20, 2013 16:29:06 Page 9-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #319 Industrial & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.266
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	0	0	1	0	0	0	1	0	0

Volume Module:

Base Vol:	190	31	0	0	130	226	126	0	116	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	190	31	0	0	130	226	126	0	116	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	200	33	0	0	137	238	133	0	122	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	200	33	0	0	137	238	133	0	122	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	220	33	0	0	137	238	133	0	122	0	0	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:	2.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	2850	1425	0	0	1425	1425	1425	0	1425	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.08	0.02	0.00	0.00	0.10	0.17	0.09	0.00	0.09	0.00	0.00	0.00
Crit Volume:	110				137		133				0	
Crit Moves:	****				****		****					

Existing PM Thu Jun 20, 2013 16:29:09 Page 1-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

Scenario Report

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base Del/ V/ LOS Veh C	Future Del/ V/ LOS Veh C	Change in
#303 Pleasant Grove N & Riego	C 23.3 0.873	C 23.3 0.873	+ 0.000 V/C
#304 Pleasant Grove S & Riego	D 33.4 0.962	D 33.4 0.962	+ 0.000 V/C
#305 Watt Ave & PFE Rd	B 11.3 0.555	B 11.3 0.555	+ 0.000 V/C
#306 Walerga Rd & PFE Rd	D xxxxx 0.801	D xxxxx 0.801	+ 0.000 V/C
#308 Fiddymment & Athens	B 10.1 0.433	B 10.1 0.433	+ 0.000 V/C
#315 SR 99 & Riego Rd	C xxxxx 0.708	C xxxxx 0.708	+ 0.000 V/C
#319 Industrial & Athens	A xxxxx 0.395	A xxxxx 0.395	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report

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

Intersection #303 Pleasant Grove N & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.873
Loss Time (sec): 0 Average Delay (sec/veh): 23.3
Optimal Cycle: 0 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
-----|-----|-----|-----|
Control: Stop Sign Stop Sign Stop Sign Stop Sign
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 0 0 0 0 1 0 0 0 0 1
-----|-----|-----|-----|
Volume Module:
Base Vol: 0 0 0 50 0 8 8 698 0 0 194 51
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 50 0 8 8 698 0 0 194 51
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 50 0 8 8 698 0 0 194 51
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 50 0 8 8 698 0 0 194 51
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 50 0 8 8 698 0 0 194 51
-----|-----|-----|-----|
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 0.86 0.00 0.14 0.01 0.99 0.00 0.00 1.00 1.00
Final Sat.: 0 0 0 495 0 79 9 799 0 0 684 790
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat: xxxx xxxx xxxx 0.10 xxxx 0.10 0.87 0.87 xxxx xxxx 0.28 0.06
Crit Moves: **** *
Delay/Veh: 0.0 0.0 0.0 9.6 0.0 9.6 29.3 29.3 0.0 0.0 9.8 7.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 9.6 0.0 9.6 29.3 29.3 0.0 0.0 9.8 7.5
LOS by Move: * * * A * A D * * A A
ApproachDel: xxxxxx 9.6 29.3 9.3
Delay Adj: xxxxx 1.00 1.00 1.00
ApprAdjDel: xxxxxx 9.6 29.3 9.3
LOS by Appr: * A D A
AllWayAvgQ: 0.0 0.0 0.0 0.1 0.1 0.1 4.9 4.9 4.9 0.0 0.4 0.1

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #304 Pleasant Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.962
Loss Time (sec): 0 Average Delay (sec/veh): 33.4
Optimal Cycle: 0 Level Of Service: D

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 0 0 1 0 0 0

Volume Module:
Base Vol: 42 0 66 0 0 0 0 0 691 50 28 202 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 42 0 66 0 0 0 0 0 691 50 28 202 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 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 1.00
PHF Volume: 42 0 66 0 0 0 0 0 691 50 28 202 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 42 0 66 0 0 0 0 0 691 50 28 202 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 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 1.00
FinalVolume: 42 0 66 0 0 0 0 0 691 50 28 202 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 1.00
Lanes: 0.39 0.00 0.61 0.00 0.00 0.00 0.00 1.00 1.00 0.12 0.88 0.00
Final Sat.: 238 0 373 0 0 0 0 0 718 833 84 604 0

Capacity Analysis Module:
Vol/Sat: 0.18 xxxx 0.18 xxxx xxxx xxxx 0.96 0.06 0.33 0.33 xxxx
Crit Moves: ****
Delay/Veh: 9.9 0.0 9.9 0.0 0.0 0.0 0.0 46.6 7.3 10.7 10.7 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: 9.9 0.0 9.9 0.0 0.0 0.0 0.0 46.6 7.3 10.7 10.7 0.0
LOS by Move: A * A * * * E A B B *
ApproachDel: 9.9 xxxxxx 43.9 10.7
Delay Adj: 1.00 xxxxxx 1.00 1.00
ApprAdjDel: 9.9 xxxxxx 43.9 10.7
LOS by Appr: A * * E B
AllWayAvgQ: 0.2 0.2 0.2 0.0 0.0 0.0 0.0 7.8 0.1 0.5 0.5 0.5

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.555
Loss Time (sec): 0 Average Delay (sec/veh): 11.3
Optimal Cycle: 0 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Stop Sign Stop Sign Stop Sign
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 1! 0 0 0 1 0 0 0 0 0 1! 0 0

Volume Module:
Base Vol: 4 279 165 14 230 0 2 0 3 131 2 8
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 4 279 165 14 230 0 2 0 3 131 2 8
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 4 279 165 14 230 0 2 0 3 131 2 8
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 4 279 165 14 230 0 2 0 3 131 2 8
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: 4 279 165 14 230 0 2 0 3 131 2 8

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: 0.01 0.62 0.37 0.06 0.94 0.00 0.40 0.00 0.60 0.93 0.01 0.06
Final Sat.: 7 502 297 42 684 0 232 0 348 554 8 34

Capacity Analysis Module:
Vol/Sat: 0.56 0.56 0.56 0.34 0.34 xxxx 0.01 xxxx 0.01 0.24 0.24 0.24
Crit Moves: ****
Delay/Veh: 12.5 12.5 12.5 10.1 10.1 0.0 8.4 0.0 8.4 10.1 10.1 10.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 12.5 12.5 12.5 10.1 10.1 0.0 8.4 0.0 8.4 10.1 10.1 10.1
LOS by Move: B B B B * A * A B B B
ApproachDel: 12.5 10.1 8.4 10.1
Delay Adj: 1.00 1.00 1.00 1.00
ApprAdjDel: 12.5 10.1 8.4 10.1
LOS by Appr: B B A B
AllWayAvgQ: 1.1 1.1 1.1 0.5 0.5 0.5 0.0 0.0 0.0 0.3 0.3 0.3

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

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #306 Walerga Rd & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.801
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 115 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 1 0 1 0 0 1 0 1 0

Volume Module:
Base Vol: 17 723 97 20 679 34 78 85 23 154 88 26
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 17 723 97 20 679 34 78 85 23 154 88 26
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 17 723 97 20 679 34 78 85 23 154 88 26
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 17 723 97 20 679 34 78 85 23 154 88 26
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 17 723 97 20 679 34 78 85 23 154 88 26

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 0.88 0.12 1.00 0.95 0.05 1.00 0.79 0.21 1.00 0.77 0.23
Final Sat.: 1375 1212 163 1375 1309 66 1375 1082 293 1375 1061 314

Capacity Analysis Module:
Vol/Sat: 0.01 0.60 0.60 0.01 0.52 0.52 0.06 0.08 0.08 0.11 0.08 0.08
Crit Volume: 820 20 108 154
Crit Moves: **** **** **** ****

Existing PM Thu Jun 20, 2013 16:29:09 Page 7-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.433
Loss Time (sec): 0 Average Delay (sec/veh): 10.1
Optimal Cycle: 0 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Stop Sign Stop Sign Stop Sign
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 0

Volume Module:
Base Vol: 0 127 231 15 45 0 0 0 0 219 1 25
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 127 231 15 45 0 0 0 0 219 1 25
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 127 231 15 45 0 0 0 0 219 1 25
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 127 231 15 45 0 0 0 0 219 1 25
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 0 127 231 15 45 0 0 0 0 219 1 25

Saturation Flow Module:
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 0.00 0.35 0.65 0.25 0.75 0.00 0.00 1.00 0.00 0.89 0.01 0.10
Final Sat.: 0 293 534 172 515 0 0 638 0 621 3 71

Capacity Analysis Module:
Vol/Sat: xxxx 0.43 0.43 0.09 0.09 xxxx xxxx 0.00 xxxx 0.35 0.35 0.35
Crit Moves: **** **** **** ****
Delay/Veh: 0.0 10.2 10.2 8.4 8.4 0.0 0.0 0.0 0.0 10.4 10.4 10.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 10.2 10.2 8.4 8.4 0.0 0.0 0.0 0.0 10.4 10.4 10.4
LOS by Move: * B B A * * * B B B
ApproachDel: 10.2 8.4 xxxxxx 10.4
Delay Adj: 1.00 1.00 xxxxxx 1.00
ApprAdjDel: 10.2 8.4 xxxxxx 10.4
LOS by Appr: B A * B
AllWayAvgQ: 0.7 0.7 0.7 0.1 0.1 0.1 0.0 0.0 0.0 0.5 0.5 0.5

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

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #315 SR 99 & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.708
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 78 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Split Phase Split Phase
Rights: Include Include Ignore Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 2 0 1 1 0 2 0 1 0 1 0 0 1 1 1 0 0 1

Volume Module:
Base Vol: 34 1562 655 42 902 6 13 25 22 201 5 49
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 34 1562 655 42 902 6 13 25 22 201 5 49
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: 34 1562 655 42 902 6 13 25 0 201 5 49
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 34 1562 655 42 902 6 13 25 0 201 5 49
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 1.10 1.00 1.00
FinalVolume: 34 1562 655 42 902 6 13 25 0 221 5 49

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 2.00 1.00 0.34 0.66 1.00 1.96 0.04 1.00
Final Sat.: 1375 2750 1375 1375 2750 1375 470 905 1375 2689 61 1375

Capacity Analysis Module:
Vol/Sat: 0.02 0.57 0.48 0.03 0.33 0.00 0.03 0.03 0.00 0.08 0.08 0.04
Crit Volume: 781 42 38 113
Crit Moves: **** **** **** ****

Existing PM Thu Jun 20, 2013 16:29:09 Page 9-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Conditions: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #319 Industrial & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.395
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 1 0 0 0 0 1 0 1 1 0 0 0 0 0 0 0 0 0

Volume Module:
Base Vol: 246 101 0 0 109 226 250 0 318 0 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 246 101 0 0 109 226 250 0 318 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: 246 101 0 0 109 226 250 0 318 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 246 101 0 0 109 226 250 0 318 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.10 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 271 101 0 0 109 226 250 0 318 0 0 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: 2.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 1.00 0.00 0.00 0.00
Final Sat.: 2850 1425 0 0 1425 1425 1425 0 1425 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.09 0.07 0.00 0.00 0.08 0.16 0.18 0.00 0.22 0.00 0.00 0.00
Crit Volume: 135 109 318 0
Crit Moves: **** **** ****

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

Impact Analysis Report Level Of Service					
Intersection	Base		Future		Change in
	Del/	V/	Del/	V/	
	LOS Veh	C	LOS Veh	C	
#309 Watt Ave & Elverta Rd	A	xxxxx 0.415	A	xxxxx 0.415	+ 0.000 V/C
#310 Walerga Rd & Elverta Rd	C	xxxxx 0.765	C	xxxxx 0.765	+ 0.000 V/C
#311 Watt Ave & Antelope Rd	C	xxxxx 0.736	C	xxxxx 0.736	+ 0.000 V/C
#312 Walerga Rd & Antelope Rd	B	xxxxx 0.675	B	xxxxx 0.675	+ 0.000 V/C
#313 Watt Ave & Elkhorn	B	xxxxx 0.639	B	xxxxx 0.639	+ 0.000 V/C
#314 Walerga Rd & Elkhorn	A	xxxxx 0.568	A	xxxxx 0.568	+ 0.000 V/C

Existing AM Thu Jun 20, 2013 16:29:28 Page 3-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #309 Watt Ave & Elverta Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.415
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	139	426	82	111	743	214	181	122	137	373	366	211
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	139	426	82	111	743	214	181	122	137	373	366	211
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	146	448	86	117	782	225	191	128	144	393	385	222
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	146	448	86	117	782	225	191	128	144	393	385	222
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	146	448	86	117	782	225	191	128	144	393	385	222

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:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	3000	4500	1500	3000	4500	1500	3000	3000	1500	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.10	0.06	0.04	0.17	0.15	0.06	0.04	0.10	0.13	0.13	0.15
Crit Volume:	73			261			95			193		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #310 Walerga Rd & Elverta Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.765
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	97	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1	2 0 1 1 0

Volume Module:

Base Vol:	202	415	68	165	1104	93	144	150	447	183	101	96
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	202	415	68	165	1104	93	144	150	447	183	101	96
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	213	437	72	174	1162	98	152	158	471	193	106	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	213	437	72	174	1162	98	152	158	471	193	106	101
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:	213	437	72	174	1162	98	152	158	471	193	106	101

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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	1.03	0.97
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	3000	1500	3000	1538	1462

Capacity Analysis Module:

Vol/Sat:	0.07	0.15	0.05	0.06	0.39	0.07	0.05	0.05	0.31	0.06	0.07	0.07
Crit Volume:	0			581			471			96		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #311 Watt Ave & Antelope Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.736
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	86	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 1 0 1

Volume Module:

Base Vol:	43 315 105	191 1000 63	25 183 48	414 251 164
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	43 315 105	191 1000 63	25 183 48	414 251 164
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	0.95 0.95 0.95	0.95 0.95 0.95	0.95 0.95 0.95	0.95 0.95 0.95
PHF Volume:	45 332 111	201 1053 66	26 193 51	436 264 173
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	45 332 111	201 1053 66	26 193 51	436 264 173
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:	45 332 111	201 1053 66	26 193 51	436 264 173

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:	1.00 2.00 1.00	1.00 2.00 1.00	1.00 2.00 1.00	1.00 1.00 1.00
Final Sat.:	1500 3000 1500	1500 3000 1500	1500 3000 1500	1500 1500 1500

Capacity Analysis Module:

Vol/Sat:	0.03 0.11 0.07	0.13 0.35 0.04	0.02 0.06 0.03	0.29 0.18 0.12
Crit Volume:	45	526	96	436
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #312 Walerga Rd & Antelope Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.675
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	70	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 1 1 0	2 0 2 0 1

Volume Module:

Base Vol:	132 521 102	301 1119 305	134 352 180	142 349 164
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	132 521 102	301 1119 305	134 352 180	142 349 164
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	0.95 0.95 0.95	0.95 0.95 0.95	0.95 0.95 0.95	0.95 0.95 0.95
PHF Volume:	139 548 107	317 1178 321	141 371 189	149 367 173
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	139 548 107	317 1178 321	141 371 189	149 367 173
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:	139 548 107	317 1178 321	141 371 189	149 367 173

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:	2.00 2.00 1.00	2.00 2.00 1.00	2.00 1.32 0.68	2.00 2.00 1.00
Final Sat.:	3000 3000 1500	3000 3000 1500	3000 1985 1015	3000 3000 1500

Capacity Analysis Module:

Vol/Sat:	0.05 0.18 0.07	0.11 0.39 0.21	0.05 0.19 0.19	0.05 0.12 0.12
Crit Volume:	69	589	280	75
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #313 Watt Ave & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.639
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	2	1	0	2	0

Volume Module:

Base Vol:	137	370	77	53	1170	233	119	334	160	267	630	50
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	137	370	77	53	1170	233	119	334	160	267	630	50
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	144	389	81	56	1232	245	125	352	168	281	663	53
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	144	389	81	56	1232	245	125	352	168	281	663	53
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:	144	389	81	56	1232	245	125	352	168	281	663	53

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:	2.00	3.00	1.00	2.00	2.50	0.50	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	3000	4500	1500	3000	3753	747	3000	3000	1500	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.09	0.05	0.02	0.33	0.33	0.04	0.12	0.11	0.09	0.22	0.04
Crit Volume:	72			492	63					332		
Crit Moves:	****			****	****					****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.568
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	2	0	2	0	1	0	1

Volume Module:

Base Vol:	98	308	53	509	797	200	83	405	81	74	558	276
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	98	308	53	509	797	200	83	405	81	74	558	276
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	103	324	56	536	839	211	87	426	85	78	587	291
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	103	324	56	536	839	211	87	426	85	78	587	291
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:	103	324	56	536	839	211	87	426	85	78	587	291

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:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	1.67	0.33	1.00	2.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	1500	2500	500	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.03	0.11	0.04	0.18	0.28	0.14	0.06	0.17	0.17	0.05	0.20	0.19
Crit Volume:	52			419			87			294		
Crit Moves:	****			****	****		****			****		

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing: PM Peak Hour (Sacramento Co Intersections)

Scenario Report

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing: PM Peak Hour (Sacramento Co Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#309 Watt Ave & Elverta Rd	A xxxxx	0.419	A xxxxx	0.419	+ 0.000 V/C
#310 Walerga Rd & Elverta Rd	B xxxxx	0.652	B xxxxx	0.652	+ 0.000 V/C
#311 Watt Ave & Antelope Rd	B xxxxx	0.684	B xxxxx	0.684	+ 0.000 V/C
#312 Walerga Rd & Antelope Rd	C xxxxx	0.748	C xxxxx	0.748	+ 0.000 V/C
#313 Watt Ave & Elkhorn	A xxxxx	0.580	A xxxxx	0.580	+ 0.000 V/C
#314 Walerga Rd & Elkhorn	C xxxxx	0.717	C xxxxx	0.717	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #309 Watt Ave & Elverta Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.419
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	315	484	345	148	350	135	269	418	167	248	205	146
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	315	484	345	148	350	135	269	418	167	248	205	146
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:	315	484	345	148	350	135	269	418	167	248	205	146
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	315	484	345	148	350	135	269	418	167	248	205	146
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:	315	484	345	148	350	135	269	418	167	248	205	146

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:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	3000	4500	1500	3000	4500	1500	3000	3000	1500	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.23	0.05	0.08	0.09	0.09	0.14	0.11	0.08	0.07	0.10
Crit Volume:			345		74			209			0	
Crit Moves:	****	****		****		****			****			

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #310 Walerga Rd & Elverta Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.652
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	66	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1	2 0 1 1 0

Volume Module:

Base Vol:	496	777	175	188	791	64	410	228	291	147	190	69
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	496	777	175	188	791	64	410	228	291	147	190	69
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:	496	777	175	188	791	64	410	228	291	147	190	69
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	496	777	175	188	791	64	410	228	291	147	190	69
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:	496	777	175	188	791	64	410	228	291	147	190	69

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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	1.47	0.53
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	3000	1500	3000	2201	799

Capacity Analysis Module:

Vol/Sat:	0.17	0.26	0.12	0.06	0.26	0.04	0.14	0.08	0.19	0.05	0.09	0.09
Crit Volume:	248				396		205				130	
Crit Moves:	****				****		****				****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #311 Watt Ave & Antelope Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.684
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	72	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 1 0 1

Volume Module:

Base Vol:	82 882 388	174 524 46	120 303 52	259 227 205
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	82 882 388	174 524 46	120 303 52	259 227 205
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:	82 882 388	174 524 46	120 303 52	259 227 205
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	82 882 388	174 524 46	120 303 52	259 227 205
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:	82 882 388	174 524 46	120 303 52	259 227 205

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:	1.00 2.00 1.00	1.00 2.00 1.00	1.00 2.00 1.00	1.00 1.00 1.00
Final Sat.:	1500 3000 1500	1500 3000 1500	1500 3000 1500	1500 1500 1500

Capacity Analysis Module:

Vol/Sat:	0.05 0.29 0.26	0.12 0.17 0.03	0.08 0.10 0.03	0.17 0.15 0.14
Crit Volume:	441 174	152	259	
Crit Moves:	****	****	****	****

Existing PM Thu Jun 20, 2013 16:29:29 Page 6-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #312 Walerga Rd & Antelope Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.748
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	90	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 1 1 0	2 0 2 0 1

Volume Module:

Base Vol:	228 1152 124	309 812 239	339 451 176	155 439 264
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	228 1152 124	309 812 239	339 451 176	155 439 264
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:	228 1152 124	309 812 239	339 451 176	155 439 264
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	228 1152 124	309 812 239	339 451 176	155 439 264
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:	228 1152 124	309 812 239	339 451 176	155 439 264

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:	2.00 2.00 1.00	2.00 2.00 1.00	2.00 1.44 0.56	2.00 2.00 1.00
Final Sat.:	3000 3000 1500	3000 3000 1500	3000 2158 842	3000 3000 1500

Capacity Analysis Module:

Vol/Sat:	0.08 0.38 0.08	0.10 0.27 0.16	0.11 0.21 0.21	0.05 0.15 0.18
Crit Volume:	576 155	314 78		
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #313 Watt Ave & Elkhorn

Cycle (sec):	100	Critical Vol./Cap.(X):	0.580
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 2 1 0	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	183 1112 183	135 591 135	416 629 195	236 391 99
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	183 1112 183	135 591 135	416 629 195	236 391 99
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:	183 1112 183	135 591 135	416 629 195	236 391 99
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	183 1112 183	135 591 135	416 629 195	236 391 99
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:	183 1112 183	135 591 135	416 629 195	236 391 99

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:	2.00 3.00 1.00	2.00 2.44 0.56	2.00 2.00 1.00	2.00 2.00 1.00
Final Sat.:	3000 4500 1500	3000 3663 837	3000 3000 1500	3000 3000 1500

Capacity Analysis Module:

Vol/Sat:	0.06 0.25 0.12	0.05 0.16 0.16	0.14 0.21 0.13	0.08 0.13 0.07
Crit Volume:	371	68	315	118
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec):	100	Critical Vol./Cap.(X):	0.717
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	81	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	98 682 88	380 455 128	199 627 92	154 607 536
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	98 682 88	380 455 128	199 627 92	154 607 536
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	98 682 88	380 455 128	199 627 92	154 607 536
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	98 682 88	380 455 128	199 627 92	154 607 536
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	98 682 88	380 455 128	199 627 92	154 607 536

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:	2.00 2.00 1.00	2.00 2.00 1.00	1.00 1.74 0.26	1.00 2.00 1.00
Final Sat.:	3000 3000 1500	3000 3000 1500	1500 2616 384	1500 3000 1500

Capacity Analysis Module:

Vol/Sat:	0.03 0.23 0.06	0.13 0.15 0.09	0.13 0.24 0.24	0.10 0.20 0.36
Crit Volume:	341	0	199	536
Crit Moves:	****	****	****	****

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: AM Peak Hour (Roseville City Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 1 Atlantic St & Tiger Way/Center	A xxxxx	0.384	A xxxxx	0.384	+ 0.000 V/C
# 2 Atlantic St & Wills Rd	A xxxxx	0.463	A xxxxx	0.463	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	A xxxxx	0.465	A xxxxx	0.465	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	D xxxxx	0.818	D xxxxx	0.818	+ 0.000 V/C
# 5 Blue Oaks Blvd & Crocker Ranch	A xxxxx	0.348	A xxxxx	0.348	+ 0.000 V/C
# 6 Blue Oaks Blvd & Del Webb Blvd	A xxxxx	0.304	A xxxxx	0.304	+ 0.000 V/C
# 7 Blue Oaks Blvd & Fiddymment Rd	A xxxxx	0.466	A xxxxx	0.466	+ 0.000 V/C
# 8 Blue Oaks Blvd & New Meadow Dr	C xxxxx	0.751	C xxxxx	0.751	+ 0.000 V/C
# 9 Blue Oaks Blvd & Orchard View	A xxxxx	0.346	A xxxxx	0.346	+ 0.000 V/C
# 10 Blue Oaks Blvd & Diamond Creek	A xxxxx	0.566	A xxxxx	0.566	+ 0.000 V/C
# 11 Blue Oaks Blvd & Foothills Blv	D xxxxx	0.833	D xxxxx	0.833	+ 0.000 V/C
# 12 Blue Oaks Blvd & Woodcreek Oak	C xxxxx	0.708	C xxxxx	0.708	+ 0.000 V/C
# 13 Cirby Way & Sunrise Ave	C xxxxx	0.757	C xxxxx	0.757	+ 0.000 V/C
# 14 Cirby Way & Foothills Blvd	B xxxxx	0.679	B xxxxx	0.679	+ 0.000 V/C
# 15 Cirby Way & Melody Ln	A xxxxx	0.548	A xxxxx	0.548	+ 0.000 V/C
# 16 Cirby Way & Northridge Dr	B xxxxx	0.615	B xxxxx	0.615	+ 0.000 V/C
# 17 Cirby Way & Oak Ridge Dr	A xxxxx	0.438	A xxxxx	0.438	+ 0.000 V/C
# 18 Cirby Way & Orlando Ave	A xxxxx	0.459	A xxxxx	0.459	+ 0.000 V/C
# 19 Cirby Way & Parkview Dr	A xxxxx	0.447	A xxxxx	0.447	+ 0.000 V/C
# 20 Cirby Way & Riverside Ave	C xxxxx	0.716	C xxxxx	0.716	+ 0.000 V/C
# 21 Cirby Way & Rocky Ridge Dr	A xxxxx	0.591	A xxxxx	0.591	+ 0.000 V/C
# 22 Cirby Way & San Simeon Dr	A xxxxx	0.416	A xxxxx	0.416	+ 0.000 V/C
# 23 Cirby Way & Vernon St	B xxxxx	0.698	B xxxxx	0.698	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 24 Douglas Blvd & Eureka Rd	A	xxxxx 0.533	A	xxxxx 0.533	+ 0.000 V/C
# 25 Douglas Blvd & Rocky Ridge Dr	A	xxxxx 0.514	A	xxxxx 0.514	+ 0.000 V/C
# 26 Douglas Blvd & Santa Clara Dr	A	xxxxx 0.442	A	xxxxx 0.442	+ 0.000 V/C
# 27 Douglas Blvd & Sierra Gardens	A	xxxxx 0.431	A	xxxxx 0.431	+ 0.000 V/C
# 28 Douglas Blvd & Sunrise Ave	A	xxxxx 0.554	A	xxxxx 0.554	+ 0.000 V/C
# 29 Douglas Blvd & Target Dwy	A	xxxxx 0.366	A	xxxxx 0.366	+ 0.000 V/C
# 30 Douglas Blvd & E Roseville Pkw	B	xxxxx 0.698	B	xxxxx 0.698	+ 0.000 V/C
# 31 Douglas Blvd & Folsom Rd	A	xxxxx 0.393	A	xxxxx 0.393	+ 0.000 V/C
# 32 Douglas Blvd & Harding Blvd	A	xxxxx 0.537	A	xxxxx 0.537	+ 0.000 V/C
# 33 Douglas Blvd & Judah St	A	xxxxx 0.341	A	xxxxx 0.341	+ 0.000 V/C
# 34 Douglas Blvd & Keehner Ave	A	xxxxx 0.318	A	xxxxx 0.318	+ 0.000 V/C
# 35 Douglas Blvd & Park Dr	A	xxxxx 0.244	A	xxxxx 0.244	+ 0.000 V/C
# 36 Douglas Blvd & Sierra College	C	xxxxx 0.707	C	xxxxx 0.707	+ 0.000 V/C
# 37 Eureka Rd & Lead Hill Blvd	A	xxxxx 0.343	A	xxxxx 0.343	+ 0.000 V/C
# 38 Eureka Rd & N. Sunrise Ave	A	xxxxx 0.498	A	xxxxx 0.498	+ 0.000 V/C
# 39 Eureka Rd & Rocky Ridge Dr	A	xxxxx 0.472	A	xxxxx 0.472	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A	xxxxx 0.217	A	xxxxx 0.217	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts D	A	xxxxx 0.304	A	xxxxx 0.304	+ 0.000 V/C
# 42 Fairway Dr & Central Park Dr/L	A	xxxxx 0.166	A	xxxxx 0.166	+ 0.000 V/C
# 43 Fairway Dr & Cortina Cir	A	xxxxx 0.176	A	xxxxx 0.176	+ 0.000 V/C
# 44 Fairway Dr & Five Star Blvd	A	xxxxx 0.144	A	xxxxx 0.144	+ 0.000 V/C
# 45 Fairway Dr & Home Depot Dwy	A	xxxxx 0.156	A	xxxxx 0.156	+ 0.000 V/C
# 46 Fairway Dr & Target Dwy/Roseha	A	xxxxx 0.216	A	xxxxx 0.216	+ 0.000 V/C
# 47 Del Webb Blvd/Village Green Dr	A	xxxxx 0.457	A	xxxxx 0.457	+ 0.000 V/C
# 48 Hayden Pkwy North & Fiddymment	A	xxxxx 0.187	A	xxxxx 0.187	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 49 Hayden Pkwy South & Fiddymment	A	xxxxx 0.466	A	xxxxx 0.466	+ 0.000 V/C
# 50 Baseline Rd/Main St & Foothill	B	xxxxx 0.678	B	xxxxx 0.678	+ 0.000 V/C
# 51 Misty Wood Dr/NEC Dwy & Foothi	A	xxxxx 0.294	A	xxxxx 0.294	+ 0.000 V/C
# 52 Albertsons Dr & Foothills Blvd	A	xxxxx 0.296	A	xxxxx 0.296	+ 0.000 V/C
# 54 Roseville Pkwy/HP Central Dwy	A	xxxxx 0.227	A	xxxxx 0.227	+ 0.000 V/C
# 55 HP South Dwy & Foothills Blvd	A	xxxxx 0.197	A	xxxxx 0.197	+ 0.000 V/C
# 56 Junction Blvd & Foothills Blvd	A	xxxxx 0.475	A	xxxxx 0.475	+ 0.000 V/C
# 57 McAnally Dr & Foothills Blvd	A	xxxxx 0.435	A	xxxxx 0.435	+ 0.000 V/C
# 58 Pleasant Grove Blvd & Foothill	A	xxxxx 0.598	A	xxxxx 0.598	+ 0.000 V/C
# 59 Rand Way/Pilgrims Dr & Foothil	A	xxxxx 0.375	A	xxxxx 0.375	+ 0.000 V/C
# 60 Vineyard Rd & Foothills Blvd	A	xxxxx 0.559	A	xxxxx 0.559	+ 0.000 V/C
# 61 Antelope Creek Dr & Galleria B	A	xxxxx 0.328	A	xxxxx 0.328	+ 0.000 V/C
# 62 Berry St & Galleria Blvd	A	xxxxx 0.513	A	xxxxx 0.513	+ 0.000 V/C
# 63 Roseville Pkwy & Galleria Blvd	A	xxxxx 0.568	A	xxxxx 0.568	+ 0.000 V/C
# 64 Wills Rd & Harding Blvd	A	xxxxx 0.512	A	xxxxx 0.512	+ 0.000 V/C
# 65 Estates Dr & Harding Blvd	A	xxxxx 0.345	A	xxxxx 0.345	+ 0.000 V/C
# 66 Lead Hill Blvd & Harding Blvd	A	xxxxx 0.403	A	xxxxx 0.403	+ 0.000 V/C
# 67 Roseville Square Dwy & Harding	A	xxxxx 0.271	A	xxxxx 0.271	+ 0.000 V/C
# 68 Junction Blvd & Stonecrest Dr/	A	xxxxx 0.233	A	xxxxx 0.233	+ 0.000 V/C
# 69 Junction Blvd & Americana Dr	A	xxxxx 0.366	A	xxxxx 0.366	+ 0.000 V/C
# 70 Baseline Rd & Junction Blvd	A	xxxxx 0.323	A	xxxxx 0.323	+ 0.000 V/C
# 71 Junction Blvd & Country Club D	A	xxxxx 0.402	A	xxxxx 0.402	+ 0.000 V/C
# 72 Junction Blvd & Park Regency D	A	xxxxx 0.304	A	xxxxx 0.304	+ 0.000 V/C
# 73 Junction Blvd & Porter Dr	A	xxxxx 0.323	A	xxxxx 0.323	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing Plus Project: AM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 74 Junction Blvd & Revere Dr	A xxxxx	0.264	A xxxxx	0.264	+ 0.000 V/C
# 75 Junction Blvd & Washington Blv	A xxxxx	0.335	A xxxxx	0.335	+ 0.000 V/C
# 76 Junction Blvd & Woodcreek Oaks	A xxxxx	0.323	A xxxxx	0.323	+ 0.000 V/C
# 77 Lead Hill Blvd & N. Sunrise Av	A xxxxx	0.388	A xxxxx	0.388	+ 0.000 V/C
# 78 Lead Hill Blvd & Rocky Ridge D	A xxxxx	0.353	A xxxxx	0.353	+ 0.000 V/C
# 79 Lead Hill Blvd & Wal-Mart Dwy	A xxxxx	0.188	A xxxxx	0.188	+ 0.000 V/C
# 80 N. Sunrise Ave & Automall Dr	A xxxxx	0.287	A xxxxx	0.287	+ 0.000 V/C
# 81 Stone Point Dr & N. Sunrise Av	A xxxxx	0.125	A xxxxx	0.125	+ 0.000 V/C
# 82 Sierra Gardens Dr & N. Sunrise	A xxxxx	0.285	A xxxxx	0.285	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A xxxxx	0.178	A xxxxx	0.178	+ 0.000 V/C
# 84 PFE Rd & Hilltop Cir	A xxxxx	0.414	A xxxxx	0.414	+ 0.000 V/C
# 85 Fairway Dr & Pleasant Grove Bl	A xxxxx	0.452	A xxxxx	0.452	+ 0.000 V/C
# 86 Pleasant Grove Blvd & Fiddymen	A xxxxx	0.495	A xxxxx	0.495	+ 0.000 V/C
# 87 Pleasant Grove Blvd & Gold Coa	A xxxxx	0.500	A xxxxx	0.500	+ 0.000 V/C
# 88 Highland Park Dr & Pleasant Gr	A xxxxx	0.415	A xxxxx	0.415	+ 0.000 V/C
# 89 Market St & Pleasant Grove Blv	A xxxxx	0.191	A xxxxx	0.191	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A xxxxx	0.485	A xxxxx	0.485	+ 0.000 V/C
# 91 Pleasant Grove Blvd & Monument	A xxxxx	0.266	A xxxxx	0.266	+ 0.000 V/C
# 92 Pleasant Grove Blvd & Rose Cre	A xxxxx	0.392	A xxxxx	0.392	+ 0.000 V/C
# 93 Pleasant Grove Blvd & Rosevill	C xxxxx	0.714	C xxxxx	0.714	+ 0.000 V/C
# 94 Pleasant Grove Blvd & Sun City	A xxxxx	0.401	A xxxxx	0.401	+ 0.000 V/C
# 95 Highland Pointe Dr & Pleasant	A xxxxx	0.430	A xxxxx	0.430	+ 0.000 V/C
# 96 Pleasant Grove Blvd & Washingt	A xxxxx	0.544	A xxxxx	0.544	+ 0.000 V/C
# 97 Pleasant Grove Blvd & Country	B xxxxx	0.611	B xxxxx	0.611	+ 0.000 V/C
# 98 Pleasant Grove Blvd & Woodcree	A xxxxx	0.550	A xxxxx	0.550	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing Plus Project: AM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 99 Maidu Dr & Rocky Ridge Dr	A xxxxx	0.350	A xxxxx	0.350	+ 0.000 V/C
#100 McLaren Dr & Rocky Ridge Dr	A xxxxx	0.338	A xxxxx	0.338	+ 0.000 V/C
#101 Professional Dr & Rocky Ridge	A xxxxx	0.422	A xxxxx	0.422	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A xxxxx	0.116	A xxxxx	0.116	+ 0.000 V/C
#103 Roseville Pkwy & Chase Dr	A xxxxx	0.442	A xxxxx	0.442	+ 0.000 V/C
#104 Roseville Pkwy & Creekside Rid	A xxxxx	0.424	A xxxxx	0.424	+ 0.000 V/C
#105 Roseville Pkwy & Gibson Dr Eas	A xxxxx	0.481	A xxxxx	0.481	+ 0.000 V/C
#106 Roseville Pkwy & N. Sunrise Av	B xxxxx	0.630	B xxxxx	0.630	+ 0.000 V/C
#107 Roseville Pkwy & Reserve Dr	A xxxxx	0.518	A xxxxx	0.518	+ 0.000 V/C
#108 Roseville Pkwy & Secret Ravine	A xxxxx	0.431	A xxxxx	0.431	+ 0.000 V/C
#109 Roseville Pkwy & Taylor Rd	B xxxxx	0.699	B xxxxx	0.699	+ 0.000 V/C
#110 West Mall Dwy & Roseville Pkwy	A xxxxx	0.488	A xxxxx	0.488	+ 0.000 V/C
#111 Alexandra Dr & Roseville Pkwy	A xxxxx	0.416	A xxxxx	0.416	+ 0.000 V/C
#112 Eureka Rd & Roseville Pkwy	A xxxxx	0.417	A xxxxx	0.417	+ 0.000 V/C
#113 Lead Hill Blvd/Orvietto Dr & R	A xxxxx	0.421	A xxxxx	0.421	+ 0.000 V/C
#114 Roseville Pkwy & N. Cirby Way	A xxxxx	0.360	A xxxxx	0.360	+ 0.000 V/C
#115 Olympus Dr & Roseville Pkwy	A xxxxx	0.427	A xxxxx	0.427	+ 0.000 V/C
#116 Rocky Ridge Dr & Roseville Pkw	A xxxxx	0.420	A xxxxx	0.420	+ 0.000 V/C
#117 Roseville Pkwy & Sierra Colleg	A xxxxx	0.574	A xxxxx	0.574	+ 0.000 V/C
#118 Trestle Rd & Roseville Pkwy	A xxxxx	0.238	A xxxxx	0.238	+ 0.000 V/C
#119 Village Dr & Roseville Pkwy	A xxxxx	0.292	A xxxxx	0.292	+ 0.000 V/C
#120 Roseville Pkwy & Washington Bl	A xxxxx	0.497	A xxxxx	0.497	+ 0.000 V/C
#121 S Cirby Way & Champion Oaks Dr	A xxxxx	0.453	A xxxxx	0.453	+ 0.000 V/C
#122 S Cirby Way & Old Auburn Rd	B xxxxx	0.669	B xxxxx	0.669	+ 0.000 V/C

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City of Roseville Fiddymont Ranch SPA 3 Update Existing Plus Project: AM Peak Hour (Roseville City Intersections)						
Intersection	Base		Future		Change	
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	in	
#123 Secret Ravine Pkwy & Scarborou	A	xxxxx 0.303	A	xxxxx 0.303	+	0.000 V/C
#124 Miners Ravine & Sierra College	A	xxxxx 0.352	A	xxxxx 0.352	+	0.000 V/C
#125 Secret Ravine Pkwy & Sierra Co	A	xxxxx 0.427	A	xxxxx 0.427	+	0.000 V/C
#126 Eureka Rd & Sierra College Blv	A	xxxxx 0.598	A	xxxxx 0.598	+	0.000 V/C
#127 Indigo Creek Apts & Sierra Col	A	xxxxx 0.378	A	xxxxx 0.378	+	0.000 V/C
#128 Old Auburn Rd & Sierra College	C	xxxxx 0.753	C	xxxxx 0.753	+	0.000 V/C
#129 Olympus Dr & Sierra College Bl	A	xxxxx 0.457	A	xxxxx 0.457	+	0.000 V/C
#130 Fairway Dr & Stanford Ranch Rd	A	xxxxx 0.372	A	xxxxx 0.372	+	0.000 V/C
#131 Five Star Blvd & Stanford Ranc	A	xxxxx 0.438	A	xxxxx 0.438	+	0.000 V/C
#132 Highland Park Dr & Stanford Ra	A	xxxxx 0.333	A	xxxxx 0.333	+	0.000 V/C
#133 Coloma Way & Sunrise Ave	A	xxxxx 0.588	A	xxxxx 0.588	+	0.000 V/C
#134 Sandringham Way/Kensington Dr	A	xxxxx 0.482	A	xxxxx 0.482	+	0.000 V/C
#135 Sun Tree Dr/Kensington Dr & Su	A	xxxxx 0.589	A	xxxxx 0.589	+	0.000 V/C
#136 Frances Dr & Sunrise Ave	A	xxxxx 0.490	A	xxxxx 0.490	+	0.000 V/C
#137 Oak Ridge Dr & Sunrise Ave	A	xxxxx 0.216	A	xxxxx 0.216	+	0.000 V/C
#138 Diamond Oaks Rd & Washington B	A	xxxxx 0.561	A	xxxxx 0.561	+	0.000 V/C
#139 Sawtell Rd/Derek Pl & Washingt	A	xxxxx 0.304	A	xxxxx 0.304	+	0.000 V/C
#140 Hallissy Dr & Washington Blvd	A	xxxxx 0.324	A	xxxxx 0.324	+	0.000 V/C
#141 Baseline Rd & Woodcreek Oaks B	B	xxxxx 0.694	B	xxxxx 0.694	+	0.000 V/C
#142 Canevari Dr/Arsenault Dr & Woo	B	xxxxx 0.614	B	xxxxx 0.614	+	0.000 V/C
#143 Horncastle Ave & Woodcreek Oak	A	xxxxx 0.326	A	xxxxx 0.326	+	0.000 V/C
#144 McAnally Dr & Woodcreek Oaks B	A	xxxxx 0.565	A	xxxxx 0.565	+	0.000 V/C
#145 Trailee Ln & Woodcreek Oaks Bl	A	xxxxx 0.368	A	xxxxx 0.368	+	0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	A	xxxxx 0.539	A	xxxxx 0.539	+	0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	A	xxxxx 0.354	A	xxxxx 0.354	+	0.000 V/C

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City of Roseville Fiddymont Ranch SPA 3 Update Existing Plus Project: AM Peak Hour (Roseville City Intersections)						
Intersection	Base		Future		Change	
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	in	
#148 Douglas Blvd & I-80 WB Off-Ram	B	xxxxx 0.630	B	xxxxx 0.630	+	0.000 V/C
#149 Atlantic St & I-80 WB On-Ramp	A	xxxxx 0.292	A	xxxxx 0.292	+	0.000 V/C
#150 Pleasant Grove Blvd & SR 65 NB	A	xxxxx 0.361	A	xxxxx 0.361	+	0.000 V/C
#151 Pleasant Grove Blvd & SR 65 SB	A	xxxxx 0.389	A	xxxxx 0.389	+	0.000 V/C
#152 I-80 WB Off-Ramp & Riverside A	A	xxxxx 0.461	A	xxxxx 0.461	+	0.000 V/C
#153 SR 65 NB On-Ramp & Stanford Ra	B	xxxxx 0.611	B	xxxxx 0.611	+	0.000 V/C
#154 SR 65 SB On-Ramp & Galleria Bl	A	xxxxx 0.385	A	xxxxx 0.385	+	0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	D	xxxxx 0.896	D	xxxxx 0.896	+	0.000 V/C
#156 Fairway Dr & Highland Park Dr	A	xxxxx 0.141	A	xxxxx 0.141	+	0.000 V/C
#157 I-80 EB Off-Ramp/Orlando Ave &	A	xxxxx 0.499	A	xxxxx 0.499	+	0.000 V/C
#180 Baseline Rd & Santucci Blvd	B	xxxxx 0.603	B	xxxxx 0.603	+	0.000 V/C
#1001 Darling Way & Riverside Ave	A	xxxxx 0.354	A	xxxxx 0.354	+	0.000 V/C
#1002 Vernon St & Douglas Blvd/River	A	xxxxx 0.317	A	xxxxx 0.317	+	0.000 V/C
#1003 Vernon St & Grant St	A	xxxxx 0.261	A	xxxxx 0.261	+	0.000 V/C
#1004 Vernon St & Judah St	A	xxxxx 0.201	A	xxxxx 0.201	+	0.000 V/C
#1005 Vernon St & Lincoln St	A	xxxxx 0.491	A	xxxxx 0.491	+	0.000 V/C
#1006 Main St & Washington Blvd	A	xxxxx 0.508	A	xxxxx 0.508	+	0.000 V/C
#1007 Oak St & Washington Blvd	A	xxxxx 0.336	A	xxxxx 0.336	+	0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1 Atlantic St & Tiger Way/Center St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.384
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	11	2	19	150	7	53	37	733	9	8	491	166
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	2	19	150	7	53	37	733	9	8	491	166
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:	11	2	19	150	7	53	37	733	9	8	491	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	2	19	150	7	53	37	733	9	8	491	166
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:	11	2	19	150	7	53	37	733	9	8	491	166

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.10	0.90	0.96	0.04	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	138	1312	1385	65	1450	1450	2865	35	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.11	0.11	0.04	0.03	0.26	0.26	0.01	0.17	0.11
Crit Volume:	21		157						371	8		
Crit Moves:	****		****						****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #2 Atlantic St & Wills Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.463
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	1	0	0	0	0	0	2	0

Volume Module:

Base Vol:	163	0	120	0	0	0	0	720	205	172	512	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	163	0	120	0	0	0	0	720	205	172	512	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	163	0	120	0	0	0	0	720	205	172	512	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	163	0	120	0	0	0	0	720	205	172	512	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	163	0	120	0	0	0	0	720	205	172	512	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.11	0.00	0.08	0.00	0.00	0.00	0.00	0.24	0.14	0.11	0.17	0.00
Crit Volume:	163		0					360		172		
Crit Moves:	****							****		****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #3 Atlantic St & Yosemite St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.465
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	345	0	164	162	443	0	0	380	149
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	345	0	164	162	443	0	0	380	149
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	345	0	164	162	443	0	0	380	149
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	345	0	164	162	443	0	0	380	149
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	345	0	164	162	443	0	0	380	149

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.23	0.00	0.11	0.11	0.15	0.00	0.00	0.13	0.10
Crit Volume:	0			345		162				190		
Crit Moves:				****		****				****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.818
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 125 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	24	544	171	75	777	730	182	225	4	160	405	129
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	544	171	75	777	730	182	225	4	160	405	129
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	544	171	75	777	730	182	225	4	160	405	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	544	171	75	777	730	182	225	4	160	405	129
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:	24	544	171	75	777	730	182	225	4	160	405	129

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.97	0.03	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	1450	1450	1450	2849	51	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.12	0.05	0.54	0.50	0.13	0.08	0.08	0.11	0.14	0.09
Crit Volume:	24			777		182				203		
Crit Moves:	****			****		****				****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #5 Blue Oaks Blvd & Crocker Ranch Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.348
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	134	0	21	18	1163	0	0	564	94
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	134	0	21	18	1163	0	0	564	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:	0	0	0	134	0	21	18	1163	0	0	564	94
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	134	0	21	18	1163	0	0	564	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	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	134	0	21	18	1163	0	0	564	94

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	0.00	1.00	0.00	1.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.09	0.00	0.01	0.01	0.26	0.00	0.00	0.13	0.06
Crit Volume:	0			134				388		0		
Crit Moves:				****				****		****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #6 Blue Oaks Blvd & Del Webb Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.304
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	16	0	54	0	0	0	0	1160	30	54	551	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	16	0	54	0	0	0	0	1160	30	54	551	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	16	0	54	0	0	0	0	1160	30	54	551	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	0	54	0	0	0	0	1160	30	54	551	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	16	0	54	0	0	0	0	1160	30	54	551	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.26	0.02	0.04	0.12	0.00
Crit Volume:	16			0				387		54		
Crit Moves:	****							****		****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #7 Blue Oaks Blvd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.466
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	2	0	3	0	1

Volume Module:

Base Vol:	69	290	231	403	507	9	6	312	229	268	140	146
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	69	290	231	403	507	9	6	312	229	268	140	146
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:	69	290	231	403	507	9	6	312	229	268	140	146
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	290	231	403	507	9	6	312	229	268	140	146
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:	69	290	231	403	507	9	6	312	229	268	140	146

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.10	0.16	0.14	0.17	0.01	0.00	0.07	0.16	0.09	0.03	0.10
Crit Volume:	145			202					229	134		
Crit Moves:	****			****					****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #8 Blue Oaks Blvd & New Meadow Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.751
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 92 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	2	0	0	1	0	2

Volume Module:

Base Vol:	0	0	0	299	0	28	12	1946	0	4	820	57
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	299	0	28	12	1946	0	4	820	57
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	299	0	28	12	1946	0	4	820	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	299	0	28	12	1946	0	4	820	57
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	299	0	28	12	1946	0	4	820	57

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	0.00	2.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	1500	3000	0	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.10	0.00	0.02	0.01	0.65	0.00	0.00	0.27	0.04
Crit Volume:	0			150			973			4		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #9 Blue Oaks Blvd & Orchard View

Cycle (sec): 100 Critical Vol./Cap.(X): 0.346
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	3	0	0	3

Volume Module:

Base Vol:	0	0	0	203	0	13	1	949	0	0	490	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	203	0	13	1	949	0	0	490	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	203	0	13	1	949	0	0	490	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	203	0	13	1	949	0	0	490	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	203	0	13	1	949	0	0	490	58

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	0.00	1.00	0.00	1.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.14	0.00	0.01	0.00	0.21	0.00	0.00	0.11	0.04
Crit Volume:	0			203			316			0		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #10 Blue Oaks Blvd & Diamond Creek Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.566
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	2	0	1	1

Volume Module:

Base Vol:	29	1	33	265	29	6	30	1232	29	25	550	113
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	1	33	265	29	6	30	1232	29	25	550	113
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:	29	1	33	265	29	6	30	1232	29	25	550	113
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	1	33	265	29	6	30	1232	29	25	550	113
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:	29	1	33	265	29	6	30	1232	29	25	550	113

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.77	0.19	0.04	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2562	280	58	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.10	0.10	0.10	0.02	0.42	0.02	0.02	0.19	0.08
Crit Volume:	29			150			616			25		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #11 Blue Oaks Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.833
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 136 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	152	111	234	103	45	15	28	1782	318	419	841	228
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	152	111	234	103	45	15	28	1782	318	419	841	228
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:	152	111	0	103	45	15	28	1782	318	419	841	228
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	152	111	0	103	45	15	28	1782	318	419	841	228
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	152	111	0	103	45	15	28	1782	318	419	841	228

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.04	0.00	0.04	0.02	0.01	0.02	0.61	0.22	0.14	0.29	0.16
Crit Volume:	55			52			891		210			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #12 Blue Oaks Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.708
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 78 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	84	102	213	282	141	18	25	1344	115	162	572	112
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	84	102	213	282	141	18	25	1344	115	162	572	112
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:	84	102	213	282	141	18	25	1344	115	162	572	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	84	102	213	282	141	18	25	1344	115	162	572	112
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:	84	102	213	282	141	18	25	1344	115	162	572	112

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.04	0.15	0.10	0.05	0.01	0.02	0.46	0.08	0.06	0.20	0.08
Crit Volume:	213	141		672			672		0			
Crit Moves:	****	****		****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #13 Cirby Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.757
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 94 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	2	0	2	0

Volume Module:

Base Vol:	276	944	59	175	772	142	226	678	213	145	850	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	276	944	59	175	772	142	226	678	213	145	850	78
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	276	944	59	175	772	142	226	678	0	145	850	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	276	944	59	175	772	142	226	678	0	145	850	78
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	276	944	59	175	772	142	226	678	0	145	850	78

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.33	0.04	0.06	0.27	0.10	0.08	0.23	0.00	0.05	0.29	0.05
Crit Volume:	472			88			113			425		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #14 Cirby Way & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.679
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 58 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Include			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	0	0	0	0	0	0	1

Volume Module:

Base Vol:	0	248	234	1507	603	0	0	0	0	282	0	920
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	248	234	1507	603	0	0	0	0	282	0	920
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.15
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	248	0	1507	603	0	0	0	0	282	0	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	248	0	1507	603	0	0	0	0	282	0	138
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	0	248	0	1507	603	0	0	0	0	282	0	138

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	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.08	0.00	0.50	0.40	0.00	0.00	0.00	0.00	0.09	0.00	0.09
Crit Volume:	124			754			0			141		
Crit Moves:	****			****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #15 Cirby Way & Melody Ln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.548
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	0	0	0 0 0	0	0	2 1 0	2	0	2 0 0

Volume Module:

Base Vol:	12	0	250	0	0	0	0	1794	8	168	1180	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	12	0	250	0	0	0	0	1794	8	168	1180	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:	12	0	250	0	0	0	0	1794	8	168	1180	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	0	250	0	0	0	0	1794	8	168	1180	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:	12	0	250	0	0	0	0	1794	8	168	1180	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.05	0.00	0.95	0.00	0.00	0.00	0.00	2.99	0.01	2.00	2.00	0.00
Final Sat.:	72	0	1503	0	0	0	0	4704	21	3150	3150	0

Capacity Analysis Module:

Vol/Sat:	0.17	0.00	0.17	0.00	0.00	0.00	0.00	0.38	0.38	0.05	0.37	0.00
Crit Volume:	262			0					601	0		
Crit Moves:	****								****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #16 Cirby Way & Northridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.615
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 59 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	0	1	0 0 1	1	0	1 1 0	1	0	1 1 0

Volume Module:

Base Vol:	1	1	25	45	1	12	4	1709	6	6	1170	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	1	25	45	1	12	4	1709	6	6	1170	5
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	1	25	45	1	12	4	1709	6	6	1170	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	1	25	45	1	12	4	1709	6	6	1170	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	1	1	25	45	1	12	4	1709	6	6	1170	5

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.04	0.04	0.92	0.98	0.02	1.00	1.00	1.99	0.01	1.00	1.99	0.01
Final Sat.:	56	56	1410	1489	33	1523	1523	3034	11	1523	3032	13

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.03	0.03	0.01	0.00	0.56	0.56	0.00	0.39	0.39
Crit Volume:	27			46					858	6		
Crit Moves:	****			****					****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #17 Cirby Way & Oak Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.438
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	0	0	1! 0 0	1	0	1 1 0	1	0	1 1 0

Volume Module:

Base Vol:	25	10	57	17	8	39	21	10	17	9	20	11	14	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	10	57	17	8	39	21	10	17	9	20	11	14	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	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	1.00	1.00
PHF Volume:	25	10	57	17	8	39	21	10	17	9	20	11	14	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	10	57	17	8	39	21	10	17	9	20	11	14	7
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	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	1.00	1.00
Final Volume:	25	10	57	17	8	39	21	10	17	9	20	11	14	7

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.27	0.11	0.62	0.27	0.12	0.61	1.00	1.98	0.02	1.00	1.99	0.01		
Final Sat.:	428	171	976	418	197	960	1575	3122	28	1575	3130	20		

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.06	0.04	0.04	0.04	0.01	0.33	0.33	0.01	0.36	0.36		
Crit Volume:	92			17			21			561				
Crit Moves:	****			****			****			****				

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #18 Cirby Way & Orlando Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.459
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0 0 1	0	1	0 0 1	1	0	1 1 0	1	0	1 1 0

Volume Module:

Base Vol:	9	12	240	9	7	3	5	839	47	158	1119	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	12	240	9	7	3	5	839	47	158	1119	4
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:	9	12	240	9	7	3	5	839	47	158	1119	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	12	240	9	7	3	5	839	47	158	1119	4
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:	9	12	240	9	7	3	5	839	47	158	1119	4

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.43	0.57	1.00	0.56	0.44	1.00	1.00	1.89	0.11	1.00	1.99	0.01
Final Sat.:	653	870	1523	856	666	1523	1523	2883	162	1523	3034	11

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.16	0.01	0.01	0.00	0.00	0.29	0.29	0.10	0.37	0.37
Crit Volume:	240			16			443			0		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #19 Cirby Way & Parkview Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.447
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	82	2	33	55	0	72	27	980	0	19	912	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	82	2	33	55	0	72	27	980	0	19	912	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	82	2	33	55	0	72	27	980	0	19	912	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	2	33	55	0	72	27	980	0	19	912	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	82	2	33	55	0	72	27	980	0	19	912	13

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.70	0.02	0.28	1.00	0.00	1.00	1.00	2.00	0.00	1.00	1.97	0.03
Final Sat.:	1067	26	429	1523	0	1523	1523	3045	0	1523	3002	43

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Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.04	0.00	0.05	0.02	0.32	0.00	0.01	0.30	0.30
Crit Volume:	117			55				490		19		
Crit Moves:	****			****				****		****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #20 Cirby Way & Riverside Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.716
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	80	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 3 0 1	2 0 2 0 2	2 0 1 1 0

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Volume Module:

Base Vol:	672	238	119	147	402	64	208	743	1345	393	645	75
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	672	238	119	147	402	64	208	743	1345	393	645	75
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	672	238	119	147	402	64	208	743	0	393	645	75
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	672	238	119	147	402	64	208	743	0	393	645	75
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	672	238	119	147	402	64	208	743	0	393	645	75

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	2.00	2.00	2.00	1.79	0.21
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	2900	2900	2900	2598	302

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Capacity Analysis Module:

Vol/Sat:	0.23	0.08	0.08	0.05	0.09	0.04	0.07	0.26	0.00	0.14	0.25	0.25
Crit Volume:	336			134			372			197		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #21 Cirby Way & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.591
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	1	1	0 0 1	1	1	0 1 0	0	0	1 1 0

Volume Module:

Base Vol:	0	0	0	131	0	384	457	409	0	0	765	240
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	131	0	384	457	409	0	0	765	240
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	131	0	384	457	409	0	0	765	240
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	131	0	384	457	409	0	0	765	240
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	131	0	384	457	409	0	0	765	240

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	1.00	0.00	2.00	0.00	1.00	1.58	1.42	0.00	0.00	1.52	0.48
Final Sat.:	0	1500	0	3000	0	1500	2375	2125	0	0	2284	716

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.26	0.19	0.19	0.00	0.00	0.33	0.34
Crit Volume:	0			384			0			503		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #22 Cirby Way & San Simeon Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.416
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0 0 1	0	0	0 0 0	0	0	1 1 0	1	0	2 0 0

Volume Module:

Base Vol:	36	0	48	0	0	0	0	1094	11	17	1239	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	0	48	0	0	0	0	1094	11	17	1239	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:	36	0	48	0	0	0	0	1094	11	17	1239	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	0	48	0	0	0	0	1094	11	17	1239	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:	36	0	48	0	0	0	0	1094	11	17	1239	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.98	0.02	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3119	31	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.35	0.35	0.01	0.39	0.00
Crit Volume:	36			0			0			620		
Crit Moves:	****						****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #23 Cirby Way & Vernon St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.698
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 75 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	2	0	1	2	0	1

Volume Module:

Base Vol:	65	100	128	49	118	195	167	1498	34	126	961	86
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	65	100	128	49	118	195	167	1498	34	126	961	86
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	65	100	128	49	118	195	167	1498	34	126	961	86
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	65	100	128	49	118	195	167	1498	34	126	961	86
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:	65	100	128	49	118	195	167	1498	34	126	961	86

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	2.00	1.96	0.04	2.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	2836	64	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.07	0.09	0.03	0.08	0.13	0.06	0.53	0.53	0.04	0.33	0.06
Crit Volume:	65			118			766		63			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #24 Douglas Blvd & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.533
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	1	2

Volume Module:

Base Vol:	293	358	19	351	372	87	209	1070	455	47	940	313
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	293	358	19	351	372	87	209	1070	455	47	940	313
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	293	358	19	351	372	0	209	1070	455	47	940	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	293	358	19	351	372	0	209	1070	455	47	940	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	293	358	19	351	372	0	209	1070	455	47	940	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.12	0.01	0.12	0.13	0.00	0.07	0.25	0.31	0.02	0.22	0.00
Crit Volume:	179			176			104			313		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #25 Douglas Blvd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.514
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	2	0	3	0	1

Volume Module:

Base Vol:	176	484	254	80	315	37	171	1248	71	96	1006	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	176	484	254	80	315	37	171	1248	71	96	1006	78
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	176	484	254	80	315	37	171	1248	0	96	1006	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	176	484	254	80	315	37	171	1248	0	96	1006	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	176	484	254	80	315	37	171	1248	0	96	1006	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.17	0.18	0.03	0.11	0.03	0.06	0.29	0.00	0.03	0.23	0.00
Crit Volume:	242			40			416			48		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #26 Douglas Blvd & Santa Clara Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.442
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	1	1	0	2	1	0	2

Volume Module:

Base Vol:	24	12	44	42	12	34	74	1621	27	26	1087	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	12	44	42	12	34	74	1621	27	26	1087	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	12	44	42	12	34	74	1621	27	26	1087	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	12	44	42	12	34	74	1621	27	26	1087	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	24	12	44	42	12	34	74	1621	27	26	1087	25

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.21	0.79	1.00	1.00	1.00	1.00	2.95	0.05	1.00	2.93	0.07
Final Sat.:	1523	326	1196	1523	1523	1523	1523	4493	75	1523	4465	103

Capacity Analysis Module:

Vol/Sat:	0.02	0.04	0.04	0.03	0.01	0.02	0.05	0.36	0.36	0.02	0.24	0.24
Crit Volume:	56			42			549			26		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #27 Douglas Blvd & Sierra Gardens Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.431
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1! 0 0	1 0 1! 0 0	1 0 2 1 0	1 0 2 1 0

Volume Module:

Base Vol:	90	26	25	36	6	9	12	1590	33	19	1106	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	90	26	25	36	6	9	12	1590	33	19	1106	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	90	26	25	36	6	9	12	1590	33	19	1106	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	26	25	36	6	9	12	1590	33	19	1106	24
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:	90	26	25	36	6	9	12	1590	33	19	1106	24

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.28	0.37	0.35	1.41	0.24	0.35	1.00	2.94	0.06	1.00	2.94	0.06
Final Sat.:	1944	561	540	2149	358	537	1523	4475	93	1523	4470	97

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.02	0.02	0.02	0.01	0.36	0.36	0.01	0.25	0.25
Crit Volume:	71			26			541			19		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #28 Douglas Blvd & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.554
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 1 1 0	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	159	301	86	39	255	115	362	1610	201	106	1036	41
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	159	301	86	39	255	115	362	1610	201	106	1036	41
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	159	301	86	39	255	115	362	1610	201	106	1036	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	301	86	39	255	115	362	1610	201	106	1036	41
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:	159	301	86	39	255	115	362	1610	201	106	1036	41

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.56	0.44	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2256	644	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.13	0.13	0.01	0.09	0.08	0.12	0.37	0.14	0.04	0.24	0.03
Crit Volume:	194	20		537			53					
Crit Moves:	****	****		****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #29 Douglas Blvd & Target Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.366
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	2	1	0	2

Volume Module:

Base Vol:	2	4	14	15	2	22	42	1505	30	13	1126	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	4	14	15	2	22	42	1505	30	13	1126	7
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:	2	4	14	15	2	22	42	1505	30	13	1126	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	4	14	15	2	22	42	1505	30	13	1126	7
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:	2	4	14	15	2	22	42	1505	30	13	1126	7

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.22	0.78	1.00	0.08	0.92	1.00	2.94	0.06	1.00	2.98	0.02
Final Sat.:	1523	338	1184	1523	127	1396	1523	4478	89	1523	4539	28

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.34	0.34	0.01	0.25	0.25
Crit Volume:	18			15					512	13		
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #30 Douglas Blvd & E Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.698
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 75 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	2	0	2	0	1	2	0

Volume Module:

Base Vol:	132	490	48	633	587	150	85	953	69	37	1224	545
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	132	490	48	633	587	150	85	953	69	37	1224	545
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	132	490	48	633	587	0	85	953	69	37	1224	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	132	490	48	633	587	0	85	953	69	37	1224	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Volume:	132	490	48	633	587	0	85	953	69	37	1224	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1450	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.17	0.03	0.22	0.20	0.00	0.03	0.22	0.05	0.01	0.28	0.00
Crit Volume:	245			317			43			408		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #31 Douglas Blvd & Folsom Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.393
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	3	2	8	273	4	34	28	748	4	19	753	84
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	2	8	273	4	34	28	748	4	19	753	84
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	2	8	273	4	34	28	748	4	19	753	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	2	8	273	4	34	28	748	4	19	753	84
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:	3	2	8	273	4	34	28	748	4	19	753	84

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.23	0.15	0.62	1.97	0.03	1.00	1.00	1.99	0.01	1.00	1.80	0.20
Final Sat.:	351	234	937	3001	44	1523	1523	3029	16	1523	2739	306

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.09	0.09	0.02	0.02	0.25	0.25	0.01	0.27	0.27
Crit Volume:	13			139			28			419		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #32 Douglas Blvd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.537
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ignore			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	1	1	0	2

Volume Module:

Base Vol:	15	11	42	447	8	135	123	950	10	56	804	365
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	15	11	42	447	8	135	123	950	10	56	804	365
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:	15	11	0	447	8	135	123	950	10	56	804	365
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	11	0	447	8	135	123	950	10	56	804	365
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	15	11	0	447	8	135	123	950	10	56	804	365

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.96	0.04	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2849	51	1450	1450	2870	30	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.00	0.16	0.16	0.09	0.08	0.33	0.33	0.04	0.28	0.25
Crit Volume:	15			228			480			56		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #33 Douglas Blvd & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.341
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	0	1	0 0 1	0	0	1 1 0	0	0	1 0 1

Volume Module:

Base Vol:	0	0	0	238	0	4	0	254	0	0	299	129
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	238	0	4	0	254	0	0	299	129
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	238	0	4	0	254	0	0	299	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	238	0	4	0	254	0	0	299	129
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	238	0	4	0	254	0	0	299	129

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	1.00	0.00	1.00	0.00	1.00	0.00	2.00	0.00	0.00	1.00	1.00
Final Sat.:	0	1575	0	1575	0	1575	0	3150	0	0	1575	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.08	0.00	0.00	0.19	0.08
Crit Volume:	0			238			0			299		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #34 Douglas Blvd & Keehner Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.318
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0 0 1	0	0	0 0 0	0	0	1 1 0	1	0	2 0 0

Volume Module:

Base Vol:	38	0	180	0	0	0	0	625	16	90	149	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	38	0	180	0	0	0	0	625	16	90	149	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:	38	0	180	0	0	0	0	625	16	90	149	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	38	0	180	0	0	0	0	625	16	90	149	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:	38	0	180	0	0	0	0	625	16	90	149	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.95	0.05	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3071	79	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.11	0.00	0.00	0.00	0.00	0.20	0.20	0.06	0.05	0.00
Crit Volume:	180			0			321			0		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #35 Douglas Blvd & Park Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.244
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	1	0	0 1 0	0	0	2 0 1	1	0	2 0 0

Volume Module:

Base Vol:	12	0	12	93	4	15	0	500	9	4	424	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	12	0	12	93	4	15	0	500	9	4	424	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	12	0	12	93	4	15	0	500	0	4	424	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	0	12	93	4	15	0	500	0	4	424	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	12	0	12	93	4	15	0	500	0	4	424	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.50	0.00	0.50	1.00	0.21	0.79	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	761	0	761	1523	321	1202	0	3045	1523	1523	3045	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.06	0.01	0.01	0.00	0.16	0.00	0.00	0.14	0.00
Crit Volume:	24	93					250			4		
Crit Moves:	****	****					****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #36 Douglas Blvd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.707
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 78 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3 0 1	2	0	2 1 0	2	0	3 0 1	2	0	3 0 1

Volume Module:

Base Vol:	304	769	144	209	783	60	184	992	167	268	1500	165
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	304	769	144	209	783	60	184	992	167	268	1500	165
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	304	769	0	209	783	60	184	992	167	268	1500	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	304	769	0	209	783	60	184	992	167	268	1500	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	304	769	0	209	783	60	184	992	167	268	1500	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	2.79	0.21	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4040	310	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.18	0.00	0.07	0.19	0.19	0.06	0.23	0.12	0.09	0.34	0.00
Crit Volume:	152			281	92					500		
Crit Moves:	****			****	****					****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #37 Eureka Rd & Lead Hill Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.343
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	93	495	41	105	904	23	34	94	104	81	95	50
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	93	495	41	105	904	23	34	94	104	81	95	50
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	93	495	0	105	904	0	34	94	0	81	95	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	93	495	0	105	904	0	34	94	0	81	95	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	93	495	0	105	904	0	34	94	0	81	95	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.06	0.11	0.00	0.07	0.20	0.00	0.02	0.03	0.00	0.05	0.03	0.00
Crit Volume:	93			301			47			81		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #38 Eureka Rd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.498
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	138	208	62	101	294	85	173	1575	537	59	643	61
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	138	208	62	101	294	85	173	1575	537	59	643	61
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	138	208	0	101	294	0	173	1575	0	59	643	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	138	208	0	101	294	0	173	1575	0	59	643	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	138	208	0	101	294	0	173	1575	0	59	643	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.00	0.03	0.07	0.00	0.06	0.36	0.00	0.02	0.15	0.00
Crit Volume:	69			98			525			30		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #39 Eureka Rd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.472
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	28	532	19	74	1192	232	152	155	5	35	214	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	532	19	74	1192	232	152	155	5	35	214	60
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	28	532	0	74	1192	0	152	155	0	35	214	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	532	0	74	1192	0	152	155	0	35	214	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	28	532	0	74	1192	0	152	155	0	35	214	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.12	0.00	0.05	0.27	0.00	0.10	0.05	0.00	0.02	0.07	0.00
Crit Volume:	28			397			152			107		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #40 Eureka Rd & Ashland Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.217
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	41	3	14	21	17	15	60	270	32	31	318	65
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	41	3	14	21	17	15	60	270	32	31	318	65
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:	41	3	14	21	17	15	60	270	32	31	318	65
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	41	3	14	21	17	15	60	270	32	31	318	65
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:	41	3	14	21	17	15	60	270	32	31	318	65

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.71	0.05	0.24	0.55	0.45	1.00	1.00	1.79	0.21	1.00	2.00	1.00
Final Sat.:	1025	75	350	801	649	1450	1450	2593	307	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.03	0.03	0.01	0.04	0.10	0.10	0.02	0.11	0.04
Crit Volume:	58			38			60			159		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #41 Eureka Rd & Deer Valley Apts Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.304
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	0	1	0

Volume Module:

Base Vol:	8	677	13	24	485	6	26	2	6	29	7	70
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	677	13	24	485	6	26	2	6	29	7	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	677	13	24	485	6	26	2	6	29	7	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	677	13	24	485	6	26	2	6	29	7	70
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:	8	677	13	24	485	6	26	2	6	29	7	70

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.98	0.02	1.00	0.25	0.75	0.81	0.19	1.00
Final Sat.:	1450	2845	55	1450	2865	35	1450	363	1088	1168	282	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.24	0.24	0.02	0.17	0.17	0.02	0.01	0.01	0.02	0.02	0.05
Crit Volume:	345			0			26			70		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #42 Fairway Dr & Central Park Dr/Lowes Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.166
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	34	9	19	32	29	65	36	326	68	37	212	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	9	19	32	29	65	36	326	68	37	212	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	9	19	32	29	65	36	326	68	37	212	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	9	19	32	29	65	36	326	68	37	212	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	34	9	19	32	29	65	36	326	68	37	212	16

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.58	0.42	1.00	1.05	0.95	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2408	637	1523	1597	1448	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.02	0.02	0.04	0.02	0.11	0.04	0.02	0.07	0.01
Crit Volume:	22			31			163			37		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #43 Fairway Dr & Cortina Cir

Cycle (sec): 100 Critical Vol./Cap.(X): 0.176
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	11	230	14	26	354	4	41	0	19	42	0	46
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	230	14	26	354	4	41	0	19	42	0	46
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:	11	230	14	26	354	4	41	0	19	42	0	46
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	230	14	26	354	4	41	0	19	42	0	46
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	11	230	14	26	354	4	41	0	19	42	0	46

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.08	0.01	0.02	0.12	0.00	0.01	0.00	0.01	0.03	0.00	0.03
Crit Volume:	11			177			20					46
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #44 Fairway Dr & Five Star Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.144
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	71	12	9	15	59	18	35	197	127	6	100	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	71	12	9	15	59	18	35	197	127	6	100	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	71	12	9	15	59	18	35	197	127	6	100	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	71	12	9	15	59	18	35	197	127	6	100	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	71	12	9	15	59	18	35	197	127	6	100	58

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.71	0.29	1.00	0.20	0.80	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2605	440	1523	309	1214	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.01	0.05	0.05	0.01	0.02	0.06	0.08	0.00	0.03	0.04
Crit Volume:	42			74			98			6		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #45 Fairway Dr & Home Depot Dwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.156
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1! 0 0	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	50	12	4	0	9	9	21	330	47	30	162	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	50	12	4	0	9	9	21	330	47	30	162	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	50	12	4	0	9	9	21	330	47	30	162	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	12	4	0	9	9	21	330	47	30	162	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	50	12	4	0	9	9	21	330	47	30	162	1

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.52	0.36	0.12	0.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2307	554	185	0	1523	1523	1523	3045	1523	1523	3045	1523

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Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.00	0.01	0.01	0.01	0.11	0.03	0.02	0.05	0.00
Crit Volume:	33	9	165	30								
Crit Moves:	****	****	****	****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #46 Fairway Dr & Target Dwy/Rosehall Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.216
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	0 0 1! 0 0	1 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	33	6	25	9	57	3	2	358	16	46	191	15
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	33	6	25	9	57	3	2	358	16	46	191	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	33	6	25	9	57	3	2	358	16	46	191	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	33	6	25	9	57	3	2	358	16	46	191	15
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:	33	6	25	9	57	3	2	358	16	46	191	15

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.69	0.31	1.00	0.13	0.83	0.04	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2454	446	1450	189	1198	63	1450	2900	1450	1450	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.02	0.05	0.05	0.05	0.00	0.12	0.01	0.03	0.07	0.01
Crit Volume:	20	69	179	46								
Crit Moves:	****	****	****	****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #47 Del Webb Blvd/Village Green Dr & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.457
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	72	219	22	75	987	59	49	32	99	42	6	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	72	219	22	75	987	59	49	32	99	42	6	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	72	219	22	75	987	59	49	32	99	42	6	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	72	219	22	75	987	59	49	32	99	42	6	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	72	219	22	75	987	59	49	32	99	42	6	20

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.88	0.12	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1269	181	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.08	0.02	0.05	0.34	0.04	0.03	0.02	0.07	0.03	0.03	0.01
Crit Volume:	72			493			49			48		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #48 Hayden Pkwy North & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.187
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	88	295	7	0	201	9	79	3	139	3	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	88	295	7	0	201	9	79	3	139	3	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:	88	295	7	0	201	9	79	3	139	3	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	295	7	0	201	9	79	3	139	3	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	88	295	7	0	201	9	79	3	139	3	0	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.10	0.00	0.00	0.07	0.01	0.05	0.00	0.10	0.00	0.00	0.00
Crit Volume:	88			101			79			3		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #49 Hayden Pkwy South & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.466
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	0	0	0	0

Volume Module:

Base Vol:	78	440	0	0	1003	43	119	0	145	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	78	440	0	0	1003	43	119	0	145	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:	78	440	0	0	1003	43	119	0	145	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	440	0	0	1003	43	119	0	145	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	78	440	0	0	1003	43	119	0	145	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	1500	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.00	0.00	0.33	0.03	0.08	0.00	0.10	0.00	0.00	0.00
Crit Volume:	78			502			119			0		
Crit Moves:	****			****			****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #50 Baseline Rd/Main St & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.678
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	1	0	3	0	1	1

Volume Module:

Base Vol:	245	703	54	58	1223	90	114	154	518	58	87	55
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	245	703	54	58	1223	90	114	154	518	58	87	55
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	245	703	54	58	1223	0	114	154	518	58	87	55
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	245	703	54	58	1223	0	114	154	518	58	87	55
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	245	703	54	58	1223	0	114	154	518	58	87	55

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.24	0.04	0.04	0.28	0.00	0.08	0.05	0.36	0.04	0.03	0.04
Crit Volume:	0			408			518			58		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #51 Misty Wood Dr/NEC Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.294
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	9	705	36	20	439	2	21	8	61	4	1	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	705	36	20	439	2	21	8	61	4	1	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	9	705	36	20	439	2	21	8	61	4	1	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	705	36	20	439	2	21	8	61	4	1	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	9	705	36	20	439	2	21	8	61	4	1	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	0.72	0.28	1.00	1.60	0.40	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	1050	400	1450	2320	580	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.24	0.02	0.01	0.10	0.00	0.02	0.02	0.04	0.00	0.00	0.00
Crit Volume:	353			20			61		3			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #52 Albertsons Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.296
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	51	523	9	18	651	94	3	1	4	49	1	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	51	523	9	18	651	94	3	1	4	49	1	6
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	51	523	0	18	651	94	3	1	0	49	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	523	0	18	651	94	3	1	0	49	1	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	51	523	0	18	651	94	3	1	0	49	1	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.00	1.00	1.50	0.50	1.00	0.98	0.02	1.00
Final Sat.:	1450	4350	1450	1450	2900	1450	2175	725	1450	1421	29	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.12	0.00	0.01	0.22	0.06	0.00	0.00	0.00	0.03	0.03	0.00
Crit Volume:	51			326			2			50		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #54 Roseville Pkwy/HP Central Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.227
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	0	1	0	0

Volume Module:

Base Vol:	46	629	0	0	582	115	6	0	5	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	46	629	0	0	582	115	6	0	5	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	46	629	0	0	582	0	6	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	629	0	0	582	0	6	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	46	629	0	0	582	0	6	0	0	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	3000	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.21	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	46			291			3			0		
Crit Moves:	****			****			****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #55 HP South Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.197
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	1	1	0	0

Volume Module:

Base Vol:	71	567	0	0	443	136	3	0	6	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	71	567	0	0	443	136	3	0	6	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:	71	567	0	0	443	136	3	0	6	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	71	567	0	0	443	136	3	0	6	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	71	567	0	0	443	136	3	0	6	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	1500	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.05	0.19	0.00	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	71			222			3			0		
Crit Moves:	****			****			****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #56 Junction Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.475
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	54	729	109	121	962	90	206	311	129	158	116	111
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	54	729	109	121	962	90	206	311	129	158	116	111
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	54	729	0	121	962	0	206	311	129	158	116	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	729	0	121	962	0	206	311	129	158	116	111
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	54	729	0	121	962	0	206	311	129	158	116	111

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.17	0.00	0.08	0.22	0.00	0.14	0.11	0.09	0.11	0.04	0.08
Crit Volume:	54			321			156			158		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #57 McAnally Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.435
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	2	1	0	1	0	1	0

Volume Module:

Base Vol:	79	899	18	11	900	22	105	8	255	93	7	51
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	79	899	18	11	900	22	105	8	255	93	7	51
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:	79	899	18	11	900	22	105	8	255	93	7	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	899	18	11	900	22	105	8	255	93	7	51
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:	79	899	18	11	900	22	105	8	255	93	7	51

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.94	0.06	1.00	2.93	0.07	0.93	0.07	1.00	0.93	0.07	1.00
Final Sat.:	1523	4478	90	1523	4459	109	1415	108	1523	1416	107	1523

Capacity Analysis Module:

Vol/Sat:	0.05	0.20	0.20	0.01	0.20	0.20	0.07	0.07	0.17	0.07	0.07	0.03
Crit Volume:	0			307			255			100		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #58 Pleasant Grove Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.598
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 57 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	137	425	572	153	325	65	180	1322	160	413	597	162
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	137	425	572	153	325	65	180	1322	160	413	597	162
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	137	425	0	153	325	0	180	1322	0	413	597	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	137	425	0	153	325	0	180	1322	0	413	597	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	137	425	0	153	325	0	180	1322	0	413	597	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	3.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	4350	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.00	0.05	0.07	0.00	0.06	0.30	0.00	0.09	0.21	0.00
Crit Volume:	212			77			441			138		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #59 Rand Way/Pilgrims Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.375
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	2	1	0	1	0	0	1

Volume Module:

Base Vol:	14	878	10	4	1265	9	39	2	41	31	2	18
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	878	10	4	1265	9	39	2	41	31	2	18
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:	14	878	10	4	1265	9	39	2	41	31	2	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	878	10	4	1265	9	39	2	41	31	2	18
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:	14	878	10	4	1265	9	39	2	41	31	2	18

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.97	0.03	1.00	2.98	0.02	0.48	0.02	0.50	0.61	0.04	0.35
Final Sat.:	1523	4516	51	1523	4535	32	724	37	761	925	60	537

Capacity Analysis Module:

Vol/Sat:	0.01	0.19	0.19	0.00	0.28	0.28	0.05	0.05	0.05	0.03	0.03	0.03
Crit Volume:	14			425			82			51		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #60 Vineyard Rd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.559
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	0	2	1	0	2	0

Volume Module:

Base Vol:	79	882	44	99	1658	23	76	84	130	110	95	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	79	882	44	99	1658	23	76	84	130	110	95	37
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	79	882	0	99	1658	23	76	84	130	110	95	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	882	0	99	1658	23	76	84	130	110	95	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	79	882	0	99	1658	23	76	84	130	110	95	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.96	0.04	1.00	2.00	1.00	2.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4290	60	1450	2900	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.20	0.00	0.07	0.39	0.39	0.05	0.03	0.09	0.04	0.07	0.00
Crit Volume:	79			560	76					95		
Crit Moves:	****			****	****					****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #61 Antelope Creek Dr & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.328
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	3	0	1	2	1

Volume Module:

Base Vol:	12	878	42	162	1356	34	22	5	7	30	7	77
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	12	878	42	162	1356	34	22	5	7	30	7	77
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	12	878	0	162	1356	34	22	5	0	30	7	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	878	0	162	1356	34	22	5	0	30	7	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	12	878	0	162	1356	34	22	5	0	30	7	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	3.00	1.00	1.00	3.00	1.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	4350	1450	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.20	0.00	0.06	0.31	0.02	0.01	0.00	0.00	0.01	0.00	0.00
Crit Volume:	6			452	7					10		
Crit Moves:	****			****	****					****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #62 Berry St & Galleria Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.513
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 1 0	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	104 557 2	18 1093 121	85 0 162	7 2 3
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	104 557 2	18 1093 121	85 0 162	7 2 3
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:	104 557 2	18 1093 121	85 0 162	7 2 3
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	104 557 2	18 1093 121	85 0 162	7 2 3
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:	104 557 2	18 1093 121	85 0 162	7 2 3

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 1.99 0.01	1.00 2.00 1.00	1.00 0.00 1.00	0.78 0.22 1.00
Final Sat.:	1450 2890 10	1450 2900 1450	1450 0 1450	1128 322 1450

Capacity Analysis Module:

Vol/Sat:	0.07 0.19 0.19	0.01 0.38 0.08	0.06 0.00 0.11	0.01 0.01 0.00
Crit Volume:	104	547	85	9
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #63 Roseville Pkwy & Galleria Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.568
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	53	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	3 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	180 315 43	658 600 127	136 1179 600	81 664 506
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	180 315 43	658 600 127	136 1179 600	81 664 506
User Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Volume:	180 315 0	658 600 0	136 1179 0	81 664 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	180 315 0	658 600 0	136 1179 0	81 664 0
PCE Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
FinalVolume:	180 315 0	658 600 0	136 1179 0	81 664 0

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 3.00 1.00	3.00 2.00 1.00	2.00 3.00 1.00	2.00 3.00 1.00
Final Sat.:	2900 4350 1450	4350 2900 1450	2900 4350 1450	2900 4350 1450

Capacity Analysis Module:

Vol/Sat:	0.06 0.07 0.00	0.15 0.21 0.00	0.05 0.27 0.00	0.03 0.15 0.00
Crit Volume:	90	300	393	41
Crit Moves:	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #64 Wills Rd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.512
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	1	0	2	0	1	1	1	0	0

Volume Module:

Base Vol:	159	523	1	0	1018	256	144	4	228	1	4	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	159	523	1	0	1018	256	144	4	228	1	4	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	159	523	1	0	1018	256	144	4	228	1	4	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	523	1	0	1018	256	144	4	228	1	4	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	159	523	1	0	1018	256	144	4	228	1	4	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.99	0.01	1.00	2.00	1.00	1.95	0.05	1.00	0.20	0.80	1.00
Final Sat.:	2900	2894	6	1450	2900	1450	2822	78	1450	290	1160	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.18	0.18	0.00	0.35	0.18	0.05	0.05	0.16	0.00	0.00	0.00
Crit Volume:	0				509				228			5
Crit Moves:	****				****				****			****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #65 Estates Dr & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.345
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	1	0	1

Volume Module:

Base Vol:	24	443	0	42	489	72	264	6	28	34	13	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	443	0	42	489	72	264	6	28	34	13	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	443	0	42	489	72	264	6	28	34	13	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	443	0	42	489	72	264	6	28	34	13	30
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:	24	443	0	42	489	72	264	6	28	34	13	30

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.00	1.00	1.74	0.26	1.77	0.04	0.19	0.72	0.28	1.00
Final Sat.:	1450	2900	0	1450	2528	372	2569	58	272	1049	401	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.15	0.00	0.03	0.19	0.19	0.10	0.10	0.10	0.03	0.03	0.02
Crit Volume:	24				281			149				47
Crit Moves:	****				****			****				****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #66 Lead Hill Blvd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.403
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	2	0	0	0	0	2	0	0

Volume Module:

Base Vol:	0	418	251	624	498	0	0	0	0	168	0	279
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	418	251	624	498	0	0	0	0	168	0	279
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	418	251	624	498	0	0	0	0	168	0	279
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	418	251	624	498	0	0	0	0	168	0	279
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	418	251	624	498	0	0	0	0	168	0	279

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	2.00	1.00	2.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	3000	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.14	0.17	0.21	0.17	0.00	0.00	0.00	0.00	0.06	0.00	0.19
Crit Volume:	209			312			0			84		
Crit Moves:	****			****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #67 Roseville Square Dwy & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.271
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	28	468	7	15	505	25	47	6	22	44	3	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	468	7	15	505	25	47	6	22	44	3	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	28	468	7	15	505	25	47	6	22	44	3	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	468	7	15	505	25	47	6	22	44	3	8
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:	28	468	7	15	505	25	47	6	22	44	3	8

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.97	0.03	1.00	1.91	0.09	0.89	0.11	1.00	0.94	0.06	1.00
Final Sat.:	1450	2857	43	1450	2763	137	1286	164	1450	1357	93	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.16	0.16	0.01	0.18	0.18	0.04	0.04	0.02	0.03	0.03	0.01
Crit Volume:	28			265			53			47		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #68 Junction Blvd & Stonecrest Dr/Magenta Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.233
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	1	0	2	1	0	2

Volume Module:

Base Vol:	9	40	10	116	11	125	49	130	4	3	225	102
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	40	10	116	11	125	49	130	4	3	225	102
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:	9	40	10	116	11	125	49	130	4	3	225	102
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	40	10	116	11	125	49	130	4	3	225	102
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:	9	40	10	116	11	125	49	130	4	3	225	102

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.18	0.82	1.00	0.91	0.09	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	266	1184	1450	1324	126	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.01	0.09	0.09	0.09	0.03	0.04	0.00	0.00	0.08	0.07
Crit Volume:	49			127			49			113		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #69 Junction Blvd & Americana Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.366
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	0	1	1	0	2

Volume Module:

Base Vol:	118	0	72	0	2	0	0	653	58	55	208	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	118	0	72	0	2	0	0	653	58	55	208	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:	118	0	72	0	2	0	0	653	58	55	208	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	118	0	72	0	2	0	0	653	58	55	208	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:	118	0	72	0	2	0	0	653	58	55	208	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	0.00	1.00	0.00	0.00	1.84	0.16	1.00	2.00	0.00
Final Sat.:	1450	0	1450	0	1450	0	0	2663	237	1450	2900	0

Capacity Analysis Module:

Vol/Sat:	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.25	0.25	0.04	0.07	0.00
Crit Volume:	118			2				356	55			
Crit Moves:	****			****			****	****				

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #70 Baseline Rd & Junction Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.323
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ovl	Ignore	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0	1 0 0 0	1 0 1 0	0 0 2 0

Volume Module:

Base Vol:	0	0	0	162	0	293	104	295	0	0	436	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	162	0	293	104	295	0	0	436	72
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	0	0	162	0	293	104	295	0	0	436	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	162	0	293	104	295	0	0	436	72
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	0	0	0	162	0	293	104	295	0	0	436	72

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	0.00	1.00	0.00	2.00	1.00	1.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	3000	1500	1500	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.11	0.00	0.10	0.07	0.20	0.00	0.00	0.15	0.05
Crit Volume:	0	0	0	162	0	293	104	295	0	0	436	72
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #71 Junction Blvd & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.402
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1	0 0 1 0	1 0 1 1	1 0 1 1

Volume Module:

Base Vol:	17	95	73	172	167	99	128	351	37	16	202	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	95	73	172	167	99	128	351	37	16	202	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	17	95	73	172	167	99	128	351	37	16	202	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	95	73	172	167	99	128	351	37	16	202	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	17	95	73	172	167	99	128	351	37	16	202	27

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.57	0.43	1.00	0.63	0.37	1.00	1.81	0.19	1.00	1.76	0.24
Final Sat.:	1450	820	630	1450	910	540	1450	2623	277	1450	2558	342

Capacity Analysis Module:

Vol/Sat:	0.01	0.12	0.12	0.12	0.18	0.18	0.09	0.13	0.13	0.01	0.08	0.08
Crit Volume:	168	172	128	128	128	128	128	128	128	115	115	115
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #72 Junction Blvd & Park Regency Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.304
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	11	92	91	121	49	17	42	308	13	74	344	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	92	91	121	49	17	42	308	13	74	344	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	11	92	91	121	49	17	42	308	13	74	344	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	92	91	121	49	17	42	308	13	74	344	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	11	92	91	121	49	17	42	308	13	74	344	58

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.06	0.06	0.08	0.03	0.01	0.03	0.11	0.01	0.05	0.12	0.04
Crit Volume:	92			121			154			74		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #73 Junction Blvd & Porter Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.323
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	18	10	107	48	19	14	7	570	18	46	274	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	10	107	48	19	14	7	570	18	46	274	4
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:	18	10	107	48	19	14	7	570	18	46	274	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	10	107	48	19	14	7	570	18	46	274	4
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:	18	10	107	48	19	14	7	570	18	46	274	4

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.64	0.36	1.00	0.72	0.28	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	932	518	1450	1039	411	1450	1450	2811	89	1450	2858	42

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.07	0.05	0.05	0.01	0.00	0.20	0.20	0.03	0.10	0.10
Crit Volume:			107			67			294			0
Crit Moves:	****			****			****		****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #74 Junction Blvd & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.264
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	89	0	85	7	614	0	0	248	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	89	0	85	7	614	0	0	248	19
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	89	0	85	7	614	0	0	248	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	89	0	85	7	614	0	0	248	19
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	89	0	85	7	614	0	0	248	19

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.86	0.14
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2787	213

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.06	0.00	0.20	0.00	0.00	0.09	0.09
Crit Volume:	0	89	307	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #75 Junction Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.335
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 1 1 0	1 0 2 0 1	1 1 0 0 1	1 0 0 1 0

Volume Module:

Base Vol:	152	369	0	3	588	140	227	0	525	0	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	152	369	0	3	588	140	227	0	525	0	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	152	369	0	3	588	140	227	0	0	0	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	152	369	0	3	588	140	227	0	0	0	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	152	369	0	3	588	140	227	0	0	0	1	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	2.00	1.00	2.00	0.00	1.00	1.00	0.50	0.50
Final Sat.:	2900	2900	0	1450	2900	1450	2900	0	1450	1450	725	725

Capacity Analysis Module:

Vol/Sat:	0.05	0.13	0.00	0.00	0.20	0.10	0.08	0.00	0.00	0.00	0.00	0.00
Crit Volume:	76	294	114	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #76 Junction Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.323
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	2	0	2	0

Volume Module:

Base Vol:	39	237	101	343	311	52	34	235	59	121	252	193
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	237	101	343	311	52	34	235	59	121	252	193
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	39	237	0	343	311	0	34	235	0	121	252	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	237	0	343	311	0	34	235	0	121	252	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	39	237	0	343	311	0	34	235	0	121	252	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.08	0.00	0.12	0.11	0.00	0.01	0.08	0.00	0.04	0.09	0.00
Crit Volume:	119			172			118			60		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #77 Lead Hill Blvd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.388
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	1	1	0	2

Volume Module:

Base Vol:	167	333	43	74	242	55	95	476	273	37	183	63
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	167	333	43	74	242	55	95	476	273	37	183	63
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	167	333	43	74	242	55	95	476	273	37	183	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	167	333	43	74	242	55	95	476	273	37	183	63
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	167	333	43	74	242	55	95	476	273	37	183	63

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.77	0.23	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2568	332	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.13	0.13	0.05	0.08	0.04	0.07	0.16	0.19	0.03	0.06	0.04
Crit Volume:	167			121			238			37		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #78 Lead Hill Blvd & Rocky Ridge Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.353
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	35	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	224	324	52	20	353	52	41	176	229	23	129	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	224	324	52	20	353	52	41	176	229	23	129	8
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	224	324	0	20	353	0	41	176	0	23	129	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	224	324	0	20	353	0	41	176	0	23	129	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	224	324	0	20	353	0	41	176	0	23	129	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	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	1.00	2.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900

Capacity Analysis Module:

Vol/Sat:	0.15	0.11	0.00	0.01	0.12	0.00	0.03	0.06	0.00	0.02	0.04	0.00
Crit Volume:	224			177			88			23		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #79 Lead Hill Blvd & Wal-Mart Dwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.188
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	27	0	13	0	0	0	0	435	52	37	367	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	27	0	13	0	0	0	0	435	52	37	367	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:	27	0	13	0	0	0	0	435	52	37	367	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	0	13	0	0	0	0	435	52	37	367	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:	27	0	13	0	0	0	0	435	52	37	367	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.15	0.03	0.02	0.12	0.00
Crit Volume:	27			0			0	217		37		
Crit Moves:	****							****		****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #80 N. Sunrise Ave & Automall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.287
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	3	1	1	0	0	1	0

Volume Module:

Base Vol:	26	102	16	293	294	75	93	3	16	32	4	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	102	16	293	294	75	93	3	16	32	4	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	26	102	16	293	294	75	93	3	16	32	4	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	102	16	293	294	75	93	3	16	32	4	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	102	16	293	294	75	93	3	16	32	4	16

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.59	0.41	1.00	3.00	1.00	1.94	0.06	1.00	0.89	0.11	1.00
Final Sat.:	1450	3760	590	1450	4350	1450	2809	91	1450	1289	161	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.03	0.03	0.20	0.07	0.05	0.03	0.03	0.01	0.02	0.02	0.01
Crit Volume:	39			293			48			36		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #81 Stone Point Dr & N. Sunrise Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.125
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	0	0	0	0	0	0	1

Volume Module:

Base Vol:	0	402	14	51	480	0	0	0	0	4	0	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	402	14	51	480	0	0	0	0	4	0	5
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	402	14	51	480	0	0	0	0	4	0	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	402	14	51	480	0	0	0	0	4	0	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	402	14	51	480	0	0	0	0	4	0	5

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	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.09	0.01	0.03	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	134			51			0			2		
Crit Moves:	****			****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #82 Sierra Gardens Dr & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.285
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	24	529	39	105	364	13	5	0	1	18	1	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	529	39	105	364	13	5	0	1	18	1	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:	24	529	39	105	364	13	5	0	1	18	1	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	529	39	105	364	13	5	0	1	18	1	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
Final Volume:	24	529	39	105	364	13	5	0	1	18	1	78

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.86	0.14	1.00	2.00	1.00	1.00	0.00	1.00	0.95	0.05	1.00
Final Sat.:	1450	2701	199	1450	2900	1450	1450	0	1450	1374	76	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.20	0.20	0.07	0.13	0.01	0.00	0.00	0.00	0.01	0.01	0.05
Crit Volume:	284			105			5			19		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #83 Olympus Dr & Europa St

Cycle (sec): 100 Critical Vol./Cap.(X): 0.178
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	37	3	36	11	2	8	4	204	16	51	216	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	37	3	36	11	2	8	4	204	16	51	216	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	37	3	36	11	2	8	4	204	16	51	216	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	3	36	11	2	8	4	204	16	51	216	6
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:	37	3	36	11	2	8	4	204	16	51	216	6

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.49	0.04	0.47	0.52	0.10	0.38	1.00	1.85	0.15	1.00	1.95	0.05
Final Sat.:	706	57	687	760	138	552	1450	2689	211	1450	2822	78

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.01	0.01	0.01	0.00	0.08	0.08	0.04	0.08	0.08
Crit Volume:	76			21			110			51		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #84 PFE Rd & Hilltop Cir

Cycle (sec):	100	Critical Vol./Cap.(X):	0.414
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0

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Volume Module:

Base Vol:	18	0	39	36	0	8	29	472	10	43	237	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	0	39	36	0	8	29	472	10	43	237	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	18	0	39	36	0	8	29	472	10	43	237	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	0	39	36	0	8	29	472	10	43	237	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	18	0	39	36	0	8	29	472	10	43	237	12

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.00	1.00	1.00	0.98	0.02	1.00	0.95	0.05
Final Sat.:	1450	0	1450	1450	0	1450	1450	1420	30	1450	1380	70

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Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.03	0.02	0.00	0.01	0.02	0.33	0.33	0.03	0.17	0.17
Crit Volume:	39	36	482	43								
Crit Moves:	****	****	****	****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #85 Fairway Dr & Pleasant Grove Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.452
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 0 2 0 1	2 0 2 0 1

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Volume Module:

Base Vol:	205	520	260	69	817	52	74	151	274	219	91	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	205	520	260	69	817	52	74	151	274	219	91	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:	205	520	260	69	817	52	74	151	274	219	91	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	205	520	260	69	817	52	74	151	274	219	91	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:	205	520	260	69	817	52	74	151	274	219	91	23

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.07	0.12	0.18	0.02	0.19	0.04	0.03	0.05	0.19	0.08	0.03	0.02
Crit Volume:	0	272	274	109								
Crit Moves:	****	****	****	****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #86 Pleasant Grove Blvd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.495
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	118	429	368	203	986	9	18	283	234	378	87	85
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	118	429	368	203	986	9	18	283	234	378	87	85
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	118	429	0	203	986	0	18	283	0	378	87	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	118	429	0	203	986	0	18	283	0	378	87	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	118	429	0	203	986	0	18	283	0	378	87	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.10	0.00	0.07	0.23	0.00	0.01	0.10	0.00	0.13	0.03	0.00
Crit Volume:	59			329			142			189		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #87 Pleasant Grove Blvd & Gold Coast Dr/Hallissy Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.500
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	3	0	1	1

Volume Module:

Base Vol:	59	51	45	97	6	37	20	1623	10	36	998	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	59	51	45	97	6	37	20	1623	10	36	998	60
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	59	51	0	97	6	0	20	1623	0	36	998	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	59	51	0	97	6	0	20	1623	0	36	998	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	59	51	0	97	6	0	20	1623	0	36	998	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.00	0.07	0.00	0.00	0.01	0.37	0.00	0.02	0.23	0.00
Crit Volume:	51			97			541			36		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #88 Highland Park Dr & Pleasant Grove Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.415
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 1	1 0 2 0 1	1 0 0 1 0	1 0 0 1 0

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Volume Module:

Base Vol:	22 373 146	64 850 2	9 24 58	73 16 38
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	22 373 146	64 850 2	9 24 58	73 16 38
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:	22 373 146	64 850 2	9 24 58	73 16 38
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	22 373 146	64 850 2	9 24 58	73 16 38
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	22 373 146	64 850 2	9 24 58	73 16 38

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 3.00 1.00	1.00 2.00 1.00	1.00 0.29 0.71	1.00 0.30 0.70
Final Sat.:	1450 4350 1450	1450 2900 1450	1450 424 1026	1450 430 1020

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Capacity Analysis Module:

Vol/Sat:	0.02 0.09 0.10	0.04 0.29 0.00	0.01 0.06 0.06	0.05 0.04 0.04
Crit Volume:	22	425	82	73
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #89 Market St & Pleasant Grove Blvd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.191
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 1	0 0 1! 0 0	1 0 2 0 1	1 0 1 1 0

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Volume Module:

Base Vol:	12 0 96	33 71 55	1 40 0	40 66 57
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	12 0 96	33 71 55	1 40 0	40 66 57
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:	12 0 96	33 71 55	1 40 0	40 66 57
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	12 0 96	33 71 55	1 40 0	40 66 57
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	12 0 96	33 71 55	1 40 0	40 66 57

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Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 1.00	0.21 0.45 0.34	1.00 2.00 1.00	1.00 1.07 0.93
Final Sat.:	1450 0 1450	301 647 502	1450 2900 1450	1450 1556 1344

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Capacity Analysis Module:

Vol/Sat:	0.01 0.00 0.07	0.11 0.11 0.11	0.00 0.01 0.00	0.03 0.04 0.04
Crit Volume:	96	159	1	61
Crit Moves:	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.485
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	191	0	12	12	1074	0	0	545	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	191	0	12	12	1074	0	0	545	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	191	0	12	12	1074	0	0	545	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	191	0	12	12	1074	0	0	545	24
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	191	0	12	12	1074	0	0	545	24

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.92	0.08
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2873	127

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.13	0.00	0.01	0.01	0.36	0.00	0.00	0.19	0.19
Crit Volume:	0			191			537		0			
Crit Moves:				****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #91 Pleasant Grove Blvd & Monument Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.266
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	1	1	0	2

Volume Module:

Base Vol:	20	8	39	48	3	1	0	333	7	97	167	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	8	39	48	3	1	0	333	7	97	167	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	8	39	48	3	1	0	333	7	97	167	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	8	39	48	3	1	0	333	7	97	167	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	20	8	39	48	3	1	0	333	7	97	167	39

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.30	0.12	0.58	0.94	0.06	1.00	1.00	1.96	0.04	1.00	2.00	1.00
Final Sat.:	433	173	844	1365	85	1450	1450	2840	60	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.04	0.04	0.00	0.00	0.12	0.12	0.07	0.06	0.03
Crit Volume:			67		51			170	97			
Crit Moves:			****		****			****	****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #92 Pleasant Grove Blvd & Rose Creek Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.392
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	1	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	66	0	11	4	1022	0	0	537	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	66	0	11	4	1022	0	0	537	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	66	0	11	4	1022	0	0	537	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	66	0	11	4	1022	0	0	537	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	66	0	11	4	1022	0	0	537	16

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	0.00	0.86	0.00	0.14	1.00	2.00	0.00	0.00	1.94	0.06
Final Sat.:	0	0	0	1286	0	214	1500	3000	0	0	2913	87

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.05	0.00	0.34	0.00	0.00	0.18	0.18
Crit Volume:	0			77		511			0			
Crit Moves:				****		****			****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #93 Pleasant Grove Blvd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.714
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 80 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	3	0	2	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	504	263	319	134	390	23	24	966	732	832	731	80
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	504	263	319	134	390	23	24	966	732	832	731	80
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	504	263	0	134	390	0	24	966	0	832	731	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	504	263	0	134	390	0	24	966	0	832	731	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	504	263	0	134	390	0	24	966	0	832	731	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	3.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.09	0.00	0.05	0.09	0.00	0.01	0.22	0.00	0.29	0.17	0.00
Crit Volume:	168			130		322			416			
Crit Moves:	****			****		****			****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #94 Pleasant Grove Blvd & Sun City Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.401
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	172	0	19	13	858	0	0	487	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	172	0	19	13	858	0	0	487	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	172	0	19	13	858	0	0	487	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	172	0	19	13	858	0	0	487	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	172	0	19	13	858	0	0	487	42

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.11	0.00	0.01	0.01	0.29	0.00	0.00	0.16	0.03
Crit Volume:	0			172			429			0		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #95 Highland Pointe Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.430
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	1	0	2	0	0	1	2	0	1

Volume Module:

Base Vol:	140	1217	8	175	1343	103	167	0	125	46	22	39
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	1217	8	175	1343	103	167	0	125	46	22	39
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:	140	1217	8	175	1343	103	167	0	125	46	22	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	1217	8	175	1343	103	167	0	125	46	22	39
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:	140	1217	8	175	1343	103	167	0	125	46	22	39

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.97	0.03	2.00	3.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	2900	5762	38	2900	4350	1450	2900	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.21	0.21	0.06	0.31	0.07	0.06	0.00	0.09	0.03	0.02	0.03
Crit Volume:	70			448			84			22		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #96 Pleasant Grove Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.544
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ovl Ovl Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 2 0 1 2 0 2 0 1 2 0 3 0 1 2 0 3 0 1

Volume Module:
Base Vol: 149 322 252 50 309 194 290 1365 226 211 870 57
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 149 322 252 50 309 194 290 1365 226 211 870 57
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
PHF Volume: 149 322 0 50 309 194 290 1365 226 211 870 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 149 322 0 50 309 194 290 1365 226 211 870 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00
FinalVolume: 149 322 0 50 309 194 290 1365 226 211 870 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 2.00 1.00 2.00 2.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.: 2900 2900 1450 2900 2900 1450 2900 4350 1450 2900 4350 1450

Capacity Analysis Module:
Vol/Sat: 0.05 0.11 0.00 0.02 0.11 0.13 0.10 0.31 0.16 0.07 0.20 0.00
Crit Volume: 75 155 455 106
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #97 Pleasant Grove Blvd & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.611
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 48 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 0 1 0 0 0 0 0 0 0 1 1 0 1 0 2 0 0

Volume Module:
Base Vol: 58 0 190 0 0 0 0 0 1504 18 144 689 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 58 0 190 0 0 0 0 0 1504 18 144 689 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: 58 0 190 0 0 0 0 0 1504 18 144 689 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 58 0 190 0 0 0 0 0 1504 18 144 689 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: 58 0 190 0 0 0 0 0 1504 18 144 689 0

Saturation Flow Module:
Sat/Lane: 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500
Adjustment: 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05
Lanes: 1.00 0.00 1.00 0.00 0.00 0.00 0.00 1.98 0.02 1.00 2.00 0.00
Final Sat.: 1575 0 1575 0 0 0 0 0 3113 37 1575 3150 0

Capacity Analysis Module:
Vol/Sat: 0.04 0.00 0.12 0.00 0.00 0.00 0.00 0.48 0.48 0.09 0.22 0.00
Crit Volume: 58 0 761 144
Crit Moves: **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #98 Pleasant Grove Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.550
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	2	0	2	0

Volume Module:

Base Vol:	108	234	313	271	473	195	25	868	382	147	485	162
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	108	234	313	271	473	195	25	868	382	147	485	162
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	108	234	0	271	473	0	25	868	0	147	485	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	108	234	0	271	473	0	25	868	0	147	485	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	108	234	0	271	473	0	25	868	0	147	485	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.08	0.00	0.09	0.16	0.00	0.01	0.30	0.00	0.05	0.17	0.00
Crit Volume:	54			237			434			74		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #99 Maidu Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.350
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	4	930	30	16	434	6	12	4	6	7	0	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	930	30	16	434	6	12	4	6	7	0	10
User Adj:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
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:	4	977	32	17	456	6	13	4	6	7	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	977	32	17	456	6	13	4	6	7	0	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	4	977	32	17	456	6	13	4	6	7	0	11

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.94	0.06	1.00	1.97	0.03	0.55	0.18	0.27	1.00	0.00	1.00
Final Sat.:	1575	3052	98	1575	3107	43	859	286	430	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.32	0.32	0.01	0.15	0.15	0.01	0.01	0.01	0.00	0.00	0.01
Crit Volume:	504			17			23			7		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #100 McLaren Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.338
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	1	0	2	0	0	0	0	1	0

Volume Module:

Base Vol:	0	890	18	30	435	0	0	0	0	48	0	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	890	18	30	435	0	0	0	0	48	0	72
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	890	18	30	435	0	0	0	0	48	0	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	890	18	30	435	0	0	0	0	48	0	72
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	890	18	30	435	0	0	0	0	48	0	72

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	1.96	0.04	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3088	62	1575	3150	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.29	0.29	0.02	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.05
Crit Volume:		454	30					0		48		
Crit Moves:	****	****								****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #101 Professional Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.422
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	17	948	23	73	397	2	8	34	44	35	7	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	948	23	73	397	2	8	34	44	35	7	19
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	17	948	23	73	397	0	8	34	44	35	7	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	948	23	73	397	0	8	34	44	35	7	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Volume:	17	948	23	73	397	0	8	34	44	35	7	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.95	0.05	1.00	2.00	1.00	0.19	0.81	1.00	0.83	0.17	1.00
Final Sat.:	1523	2973	72	1523	3045	1523	290	1233	1523	1269	254	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.32	0.32	0.05	0.13	0.00	0.03	0.03	0.03	0.03	0.03	0.00
Crit Volume:		486	73					42			42	
Crit Moves:	****	****					****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #102 Rocky Ridge Dr & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.116
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	1 0 2 0 1

Volume Module:

Base Vol:	0	0	0	5	0	4	20	171	0	0	298	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	5	0	4	20	171	0	0	298	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	5	0	4	20	171	0	0	298	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	5	0	4	20	171	0	0	298	21
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	5	0	4	20	171	0	0	298	21

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.10	0.01
Crit Volume:	0	5	20	149								
Crit Moves:	****	****	****									

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #103 Roseville Pkwy & Chase Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.442
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Include	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	38	0	137	0	0	0	0	1764	64	70	722	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	38	0	137	0	0	0	0	1764	64	70	722	0
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:	38	0	0	0	0	0	0	1764	64	70	722	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	38	0	0	0	0	0	0	1764	64	70	722	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	38	0	0	0	0	0	0	1764	64	70	722	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	4725	1575	1575	4725	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.04	0.04	0.15	0.00
Crit Volume:	38	0	588	70								
Crit Moves:	****	****	****									

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #104 Roseville Pkwy & Creekside Ridge Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.424
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	1 1 0 0 1	1 0 3 0 1	1 0 3 0 1

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Volume Module:

Base Vol:	5	1	3	65	1	32	66	1788	3	14	1242	282
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	1	3	65	1	32	66	1788	3	14	1242	282
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:	5	1	3	65	1	32	66	1788	3	14	1242	282
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	1	3	65	1	32	66	1788	3	14	1242	282
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:	5	1	3	65	1	32	66	1788	3	14	1242	282

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.67	0.33	1.00	1.97	0.03	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	2538	508	1523	2999	46	1523	1523	4568	1523	1523	4568	1523

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Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.02	0.02	0.04	0.39	0.00	0.01	0.27	0.19
Crit Volume:	3			33			596			14		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #105 Roseville Pkwy & Gibson Dr East

Cycle (sec):	120	Critical Vol./Cap.(X):	0.481
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	36	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	2 1 0 0 1	1 0 3 0 1	1 0 3 0 1

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Volume Module:

Base Vol:	3	0	22	209	2	20	10	1882	0	13	774	162
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	0	22	209	2	20	10	1882	0	13	774	162
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	3	0	22	209	2	0	10	1882	0	13	774	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	0	22	209	2	0	10	1882	0	13	774	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	3	0	22	209	2	0	10	1882	0	13	774	0

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	2.97	0.03	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1523	0	1523	4524	43	1523	1523	4568	1523	1523	4568	1523

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Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.05	0.05	0.00	0.01	0.41	0.00	0.01	0.17	0.00
Crit Volume:	22	70		627			13					
Crit Moves:	****	****		****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #106 Roseville Pkwy & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.630
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 62 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	3	0	1	0	1	0	2	0	3	0	1	2

Volume Module:

Base Vol:	170	195	97	23	60	131	324	1809	257	185	1276	51
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	170	195	97	23	60	131	324	1809	257	185	1276	51
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	170	195	0	23	60	131	324	1809	0	185	1276	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	170	195	0	23	60	131	324	1809	0	185	1276	51
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	170	195	0	23	60	131	324	1809	0	185	1276	51

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	4350	1450	1450	1450	1450	2900	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.13	0.00	0.02	0.04	0.05	0.11	0.42	0.00	0.06	0.29	0.04
Crit Volume:	195			23			603			93		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #107 Roseville Pkwy & Reserve Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.518
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	1	2	0	3	0	1	2

Volume Module:

Base Vol:	145	13	110	11	3	4	10	1813	297	121	828	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	145	13	110	11	3	4	10	1813	297	121	828	21
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	145	13	110	11	3	0	10	1813	297	121	828	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	145	13	110	11	3	0	10	1813	297	121	828	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	145	13	110	11	3	0	10	1813	297	121	828	21

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.84	0.16	1.00	1.57	0.43	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2661	239	1450	2279	621	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.08	0.00	0.00	0.00	0.00	0.42	0.20	0.04	0.19	0.01
Crit Volume:	79			7			604			60		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #108 Roseville Pkwy & Secret Ravine Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.431
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	1	2	0	2	1	0	3

Volume Module:

Base Vol:	2	0	0	111	0	551	325	1573	4	15	1057	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	0	0	111	0	551	325	1573	4	15	1057	101
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:	2	0	0	111	0	551	325	1573	4	15	1057	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	0	111	0	551	325	1573	4	15	1057	101
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:	2	0	0	111	0	551	325	1573	4	15	1057	101

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.00	1.00	2.00	0.00	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1523	1523	1523	3045	0	3045	3045	4556	12	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.18	0.11	0.35	0.35	0.01	0.23	0.07
Crit Volume:	2			276		526			15			
Crit Moves:	****			****		****			****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #109 Roseville Pkwy & Taylor Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.699
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	1	2

Volume Module:

Base Vol:	291	118	205	512	133	69	79	1650	128	298	1164	169
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	291	118	205	512	133	69	79	1650	128	298	1164	169
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:	291	118	205	512	133	69	79	1650	128	298	1164	169
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	291	118	205	512	133	69	79	1650	128	298	1164	169
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:	291	118	205	512	133	69	79	1650	128	298	1164	169

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.04	0.14	0.18	0.05	0.05	0.03	0.38	0.09	0.10	0.27	0.12
Crit Volume:	59			256			550		149			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #110 West Mall Dwy & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.488
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	2	0	3	0	1	0

Volume Module:

Base Vol:	40	1	40	11	1	14	46	2061	6	9	920	41
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	1	40	11	1	14	46	2061	6	9	920	41
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	1	40	11	1	0	46	2061	6	9	920	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	1	40	11	1	0	46	2061	6	9	920	41
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	40	1	40	11	1	0	46	2061	6	9	920	41

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.98	0.02	1.00	1.83	0.17	1.00	2.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1485	37	1523	2791	254	1523	3045	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.00	0.00	0.00	0.02	0.45	0.00	0.01	0.20	0.03
Crit Volume:	41			6			687			9		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #111 Alexandra Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.416
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	0	1	0	3	0	0	1

Volume Module:

Base Vol:	0	1006	64	62	1602	0	0	0	0	121	0	99
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1006	64	62	1602	0	0	0	0	121	0	99
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	1006	64	62	1602	0	0	0	0	121	0	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1006	64	62	1602	0	0	0	0	121	0	99
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	1006	64	62	1602	0	0	0	0	121	0	99

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	4725	1575	1575	4725	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.21	0.04	0.04	0.34	0.00	0.00	0.00	0.00	0.08	0.00	0.06
Crit Volume:	0			534			0			121		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #112 Eureka Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.417
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	0	2	0	1	1	0

Volume Module:

Base Vol:	423	490	36	109	491	25	27	210	296	43	237	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	423	490	36	109	491	25	27	210	296	43	237	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:	423	490	36	109	491	25	27	210	296	43	237	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	423	490	36	109	491	25	27	210	296	43	237	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
Final Volume:	423	490	36	109	491	25	27	210	296	43	237	78

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.15	0.17	0.02	0.08	0.17	0.02	0.02	0.07	0.20	0.03	0.08	0.05
Crit Volume:	212			245			105			43		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #113 Lead Hill Blvd/Orvieto Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.421
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	0	3	0	1	0	1

Volume Module:

Base Vol:	131	1035	3	6	1402	100	16	8	116	2	26	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	131	1035	3	6	1402	100	16	8	116	2	26	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:	131	1035	3	6	1402	100	16	8	116	2	26	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	131	1035	3	6	1402	100	16	8	116	2	26	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:	131	1035	3	6	1402	100	16	8	116	2	26	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	1523	1523	1523	1523	0

Capacity Analysis Module:

Vol/Sat:	0.09	0.23	0.00	0.00	0.31	0.07	0.01	0.01	0.08	0.00	0.02	0.00
Crit Volume:	131			467			16			26		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #114 Roseville Pkwy & N. Cirby Way

Cycle (sec): 120 Critical Vol./Cap.(X): 0.360
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	89	0	97	0	0	0	0	798	34	35	825	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	89	0	97	0	0	0	0	798	34	35	825	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:	89	0	97	0	0	0	0	798	34	35	825	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	0	97	0	0	0	0	798	34	35	825	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:	89	0	97	0	0	0	0	798	34	35	825	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.92	0.08	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2877	123	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.06	0.00	0.00	0.00	0.00	0.28	0.28	0.02	0.28	0.00
Crit Volume:	89			0					416	35		
Crit Moves:	****						****	****				

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #115 Olympus Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.427
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	0	1	0	1	0	1

Volume Module:

Base Vol:	24	942	111	96	1393	49	11	6	11	129	247	213
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	942	111	96	1393	49	11	6	11	129	247	213
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	24	942	0	96	1393	49	11	6	11	129	247	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	942	0	96	1393	49	11	6	11	129	247	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	24	942	0	96	1393	49	11	6	11	129	247	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	2.90	0.10	1.00	0.35	0.65	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4412	155	1523	537	985	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.21	0.00	0.06	0.32	0.32	0.01	0.01	0.01	0.08	0.08	0.00
Crit Volume:	24			481			17			129		
Crit Moves:	****			****	****	****	****	****	****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #116 Rocky Ridge Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.420
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	0	3	0	0	1	2	0	0

Volume Module:

Base Vol:	109	952	0	0	1480	242	119	0	45	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	109	952	0	0	1480	242	119	0	45	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:	109	952	0	0	1480	242	119	0	45	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	109	952	0	0	1480	242	119	0	45	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	109	952	0	0	1480	242	119	0	45	0	0	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	0.00	0.00	3.00	1.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1575	4725	0	0	4725	1575	3150	0	1575	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.20	0.00	0.00	0.31	0.15	0.04	0.00	0.03	0.00	0.00	0.00
Crit Volume:	109			493		60				0		
Crit Moves:	****			****		****						

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #117 Roseville Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.574
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	544	904	29	87	712	23	54	171	603	51	300	116
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	544	904	29	87	712	23	54	171	603	51	300	116
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	544	904	0	87	712	0	54	171	0	51	300	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	544	904	0	87	712	0	54	171	0	51	300	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	544	904	0	87	712	0	54	171	0	51	300	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.31	0.00	0.06	0.25	0.00	0.04	0.06	0.00	0.04	0.10	0.00
Crit Volume:	272			356		54				150		
Crit Moves:	****			****		****				****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #118 Trestle Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.238
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	0	1	0	0	1	0

Volume Module:

Base Vol:	59	202	6	2	313	18	29	9	155	29	2	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	59	202	6	2	313	18	29	9	155	29	2	3
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:	59	202	6	2	313	18	29	9	155	29	2	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	59	202	6	2	313	18	29	9	155	29	2	3
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:	59	202	6	2	313	18	29	9	155	29	2	3

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.76	0.24	1.00	0.85	0.06	0.09
Final Sat.:	1450	2900	1450	1450	2900	1450	1107	343	1450	1237	85	128

Capacity Analysis Module:

Vol/Sat:	0.04	0.07	0.00	0.00	0.11	0.01	0.03	0.03	0.11	0.02	0.02	0.02
Crit Volume:	0				157				155			34
Crit Moves:	****				****				****			****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #119 Village Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.292
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	32	542	10	12	566	10	32	3	31	26	3	80
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	32	542	10	12	566	10	32	3	31	26	3	80
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:	32	542	10	12	566	10	32	3	31	26	3	80
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	542	10	12	566	10	32	3	31	26	3	80
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:	32	542	10	12	566	10	32	3	31	26	3	80

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.97	0.03	0.91	0.09	1.00	0.90	0.10	1.00
Final Sat.:	1450	2847	53	1450	2850	50	1326	124	1450	1300	150	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.19	0.01	0.20	0.20	0.02	0.02	0.02	0.02	0.02	0.06
Crit Volume:	32				288				35			80
Crit Moves:	****				****				****			****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #120 Roseville Pkwy & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.497
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	0	1	0	0	0	1

Volume Module:

Base Vol:	3	356	21	223	668	7	5	0	3	88	0	149
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	356	21	223	668	7	5	0	3	88	0	149
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	3	356	0	223	668	7	5	0	3	88	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	356	0	223	668	7	5	0	3	88	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	3	356	0	223	668	7	5	0	3	88	0	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	0.00	1.00	2.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	1450	1450	1450	0	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.12	0.00	0.15	0.46	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Crit Volume:	3			668		5				44		
Crit Moves:	****			****		****				****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #121 S Cirby Way & Champion Oaks Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.453
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	0	1	0	1	0	1

Volume Module:

Base Vol:	86	11	3	18	11	132	37	421	30	23	837	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	86	11	3	18	11	132	37	421	30	23	837	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	86	11	3	18	11	132	37	421	30	23	837	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	11	3	18	11	132	37	421	30	23	837	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	86	11	3	18	11	132	37	421	30	23	837	13

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.86	0.11	0.03	0.62	0.38	1.00	1.00	1.00	1.00	1.00	1.97	0.03
Final Sat.:	1247	160	44	900	550	1450	1450	1450	1450	1450	2856	44

Capacity Analysis Module:

Vol/Sat:	0.07	0.07	0.07	0.02	0.02	0.09	0.03	0.29	0.02	0.02	0.29	0.29
Crit Volume:	100			132		0					425	
Crit Moves:	****			****		****					****	

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #122 S Cirby Way & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.669
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 56 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	0	0	0	0	0	1

Volume Module:

Base Vol:	0	476	386	287	199	0	0	0	0	240	0	369
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	476	386	287	199	0	0	0	0	240	0	369
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	476	386	287	199	0	0	0	0	240	0	369
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	476	386	287	199	0	0	0	0	240	0	369
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	476	386	287	199	0	0	0	0	240	0	369

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	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1500	1500	1500	1500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.32	0.26	0.19	0.13	0.00	0.00	0.00	0.00	0.16	0.00	0.25
Crit Volume:	476	287					0			240		
Crit Moves:	****	****								****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #123 Secret Ravine Pkwy & Scarborough Dr/ Poppy Field Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.303
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	0	0	1	0	2	0	1

Volume Module:

Base Vol:	9	1	22	43	0	233	83	188	5	39	350	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	1	22	43	0	233	83	188	5	39	350	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:	9	1	22	43	0	233	83	188	5	39	350	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	1	22	43	0	233	83	188	5	39	350	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	9	1	22	43	0	233	83	188	5	39	350	37

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.28	0.03	0.69	1.00	0.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	408	45	997	1450	0	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.03	0.00	0.16	0.06	0.06	0.00	0.03	0.12	0.03
Crit Volume:	32					233	0				175	
Crit Moves:	****					****	****				****	

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #124 Miners Ravine & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.352
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	3	817	2	7	1009	1	1	0	1	2	0	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	817	2	7	1009	1	1	0	1	2	0	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	817	2	7	1009	1	1	0	1	2	0	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	817	2	7	1009	1	1	0	1	2	0	6
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:	3	817	2	7	1009	1	1	0	1	2	0	6

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.28	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	3			505			1			2		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #125 Secret Ravine Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.427
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	142	679	1	1	799	132	123	0	216	1	2	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	142	679	1	1	799	132	123	0	216	1	2	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	142	679	1	1	799	132	123	0	216	1	2	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	142	679	1	1	799	132	123	0	216	1	2	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	142	679	1	1	799	132	123	0	216	1	2	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	0.33	0.67	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	483	967	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.23	0.00	0.00	0.28	0.09	0.04	0.00	0.15	0.00	0.00	0.00
Crit Volume:	0			400			216			3		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #126 Eureka Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.598
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 57 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	2	1

Volume Module:

Base Vol:	66	954	26	202	789	142	119	203	65	29	196	249
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	954	26	202	789	142	119	203	65	29	196	249
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	66	954	0	202	789	0	119	203	0	29	196	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	954	0	202	789	0	119	203	0	29	196	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	66	954	0	202	789	0	119	203	0	29	196	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.04	0.31	0.00	0.13	0.26	0.00	0.08	0.13	0.00	0.02	0.06	0.00
Crit Volume:	477	202		203			29					
Crit Moves:	****	****		****			****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #127 Indigo Creek Apts & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.378
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	70	1151	68	79	981	25	120	3	144	37	2	15
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	70	1151	68	79	981	25	120	3	144	37	2	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	70	1151	68	79	981	25	120	3	144	37	2	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	1151	68	79	981	25	120	3	144	37	2	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	70	1151	68	79	981	25	120	3	144	37	2	15

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.95	0.05	1.00	0.95	0.05	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	2971	74	1523	1444	78	1523

Capacity Analysis Module:

Vol/Sat:	0.05	0.25	0.04	0.05	0.21	0.02	0.04	0.04	0.09	0.03	0.03	0.01
Crit Volume:	384	79		144								
Crit Moves:	****	****		****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #128 Old Auburn Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.753
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 92 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	127	1164	37	13	1172	158	259	121	312	66	150	187
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	127	1164	37	13	1172	158	259	121	312	66	150	187
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:	127	1164	37	13	1172	158	259	121	312	66	150	187
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	127	1164	37	13	1172	158	259	121	312	66	150	187
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:	127	1164	37	13	1172	158	259	121	312	66	150	187

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	1523	1523

Capacity Analysis Module:

Vol/Sat:	0.08	0.38	0.02	0.01	0.38	0.10	0.17	0.08	0.20	0.04	0.10	0.12
Crit Volume:	127			586			259					187
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #129 Olympus Dr & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.457
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	295	759	32	4	891	112	65	1	328	23	15	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	295	759	32	4	891	112	65	1	328	23	15	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	295	759	32	4	891	112	65	1	328	23	15	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	295	759	32	4	891	112	65	1	328	23	15	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	295	759	32	4	891	112	65	1	328	23	15	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.97	0.03	1.00	0.61	0.39	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	2856	44	1450	878	572	1450

Capacity Analysis Module:

Vol/Sat:	0.20	0.26	0.02	0.00	0.20	0.08	0.02	0.02	0.23	0.03	0.03	0.00
Crit Volume:	295			297			33			38		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #130 Fairway Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.372
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R		L	T	R		L	T	R		L	T	R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Ovl				Ovl				Ovl				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Y+R:	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	
Lanes:	2	0	2	0	1	2	0	3	0	1	1	0	2	0	0	

Volume Module:

Base Vol:	47	550	58	30	1032	43	37	93	111	170	77	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	47	550	58	30	1032	43	37	93	111	170	77	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	47	550	58	30	1032	43	37	93	111	170	77	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	550	58	30	1032	43	37	93	111	170	77	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	47	550	58	30	1032	43	37	93	111	170	77	11

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	0.88	0.12
Final Sat.:	2900	2900	1450	2900	4350	1450	1450	2900	1450	2900	1269	181

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.04	0.01	0.24	0.03	0.03	0.03	0.08	0.06	0.06	0.06
Crit Volume:	0			344					111	85		
Crit Moves:	****			****			****	****				

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #131 Five Star Blvd & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.438
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R		L	T	R		L	T	R		L	T	R	
Control:	Protected				Protected				Split Phase				Split Phase			
Rights:	Ovl				Ovl				Ovl				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Y+R:	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	
Lanes:	2	0	3	0	1	2	0	3	0	1	1	1	0	0	1	

Volume Module:

Base Vol:	139	667	119	78	1232	35	20	22	144	161	29	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	139	667	119	78	1232	35	20	22	144	161	29	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	139	667	119	78	1232	35	20	22	144	161	29	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	139	667	119	78	1232	35	20	22	144	161	29	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	139	667	119	78	1232	35	20	22	144	161	29	13

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	1.00	1.00	1.00	2.00	0.69	0.31
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	1450	1450	2900	1001	449

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.08	0.03	0.28	0.02	0.01	0.02	0.10	0.06	0.03	0.03
Crit Volume:	0			411					144	81		
Crit Moves:	****			****			****	****				

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #132 Highland Park Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.333
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	0	1	0	1

Volume Module:

Base Vol:	10	460	34	62	994	47	70	44	115	12	6	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	10	460	34	62	994	47	70	44	115	12	6	3
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:	10	460	34	62	994	47	70	44	115	12	6	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	460	34	62	994	47	70	44	115	12	6	3
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:	10	460	34	62	994	47	70	44	115	12	6	3

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	0.28	0.72	2.00	0.67	0.33
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	421	1101	3045	1015	508

Capacity Analysis Module:

Vol/Sat:	0.01	0.10	0.02	0.04	0.22	0.03	0.05	0.10	0.10	0.00	0.01	0.01
Crit Volume:	10			331			159			6		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #133 Coloma Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.588
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	15	1292	36	49	1104	19	37	20	32	42	10	78
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	15	1292	36	49	1104	19	37	20	32	42	10	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:	15	1292	36	49	1104	19	37	20	32	42	10	78
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	1292	36	49	1104	19	37	20	32	42	10	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
Final Volume:	15	1292	36	49	1104	19	37	20	32	42	10	78

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.95	0.05	1.00	1.97	0.03	1.00	0.38	0.62	1.00	0.11	0.89
Final Sat.:	1450	2821	79	1450	2851	49	1450	558	892	1450	165	1285

Capacity Analysis Module:

Vol/Sat:	0.01	0.46	0.46	0.03	0.39	0.39	0.03	0.04	0.04	0.03	0.06	0.06
Crit Volume:	664			49			52			88		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #134 Sandringham Way/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.482
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	6	1295	13	9	1057	4	22	0	19	49	0	36
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	1295	13	9	1057	4	22	0	19	49	0	36
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	1295	13	9	1057	4	22	0	19	49	0	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	1295	13	9	1057	4	22	0	19	49	0	36
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	6	1295	13	9	1057	4	22	0	19	49	0	36

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.98	0.02	1.00	1.99	0.01	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1523	3015	30	1523	3034	11	1523	0	1523	1523	0	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.43	0.43	0.01	0.35	0.35	0.01	0.00	0.01	0.03	0.00	0.02
Crit Volume:	654			9			22			49		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #135 Sun Tree Dr/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.589
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	0	1

Volume Module:

Base Vol:	5	1302	13	18	1037	45	49	25	4	66	19	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	1302	13	18	1037	45	49	25	4	66	19	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	1302	13	18	1037	45	49	25	4	66	19	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	1302	13	18	1037	45	49	25	4	66	19	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	5	1302	13	18	1037	45	49	25	4	66	19	58

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.98	0.02	1.00	2.00	1.00	0.63	0.32	0.05	0.46	0.13	0.41
Final Sat.:	1523	3015	30	1523	3045	1523	956	488	78	703	202	618

Capacity Analysis Module:

Vol/Sat:	0.00	0.43	0.43	0.01	0.34	0.03	0.05	0.05	0.05	0.09	0.09	0.09
Crit Volume:	658			18			78			143		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #136 Frances Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	1	0

Volume Module:

Base Vol:	2	1296	27	22	1217	2	1	0	1	20	2	28
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	1296	27	22	1217	2	1	0	1	20	2	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	1296	27	22	1217	2	1	0	1	20	2	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1296	27	22	1217	2	1	0	1	20	2	28
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:	2	1296	27	22	1217	2	1	0	1	20	2	28

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.99	0.01	0.50	0.00	0.50	0.80	0.20	1.00
Final Sat.:	1450	2841	59	1450	2895	5	725	0	725	1160	290	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.46	0.46	0.02	0.42	0.42	0.00	0.00	0.00	0.02	0.01	0.02
Crit Volume:	662	22					2	25				
Crit Moves:	****	****					****	****				

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #137 Oak Ridge Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.216
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	1	0	2	0	0	0	0	0	1

Volume Module:

Base Vol:	0	494	9	63	355	0	0	0	0	10	0	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	494	9	63	355	0	0	0	0	10	0	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	494	9	63	355	0	0	0	0	10	0	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	494	9	63	355	0	0	0	0	10	0	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	0	494	9	63	355	0	0	0	0	10	0	14

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	1.96	0.04	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2946	54	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.17	0.17	0.04	0.12	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Crit Volume:		252	63				0			10		
Crit Moves:	****	****								****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #138 Diamond Oaks Rd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.561
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	4	566	43	151	581	32	8	6	16	67	0	152
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	566	43	151	581	32	8	6	16	67	0	152
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:	4	566	43	151	581	32	8	6	16	67	0	152
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	566	43	151	581	32	8	6	16	67	0	152
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:	4	566	43	151	581	32	8	6	16	67	0	152

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.27	0.20	0.53	1.00	0.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	387	290	773	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.39	0.03	0.10	0.40	0.02	0.02	0.02	0.02	0.05	0.00	0.10
Crit Volume:	566			151					30	67		
Crit Moves:	****			****			****		****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #139 Sawtell Rd/Derek Pl & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.304
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	0	1	0	0	1	0

Volume Module:

Base Vol:	27	526	44	24	641	22	90	1	54	14	0	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	27	526	44	24	641	22	90	1	54	14	0	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	27	526	44	24	641	22	90	1	54	14	0	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	526	44	24	641	22	90	1	54	14	0	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	27	526	44	24	641	22	90	1	54	14	0	10

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	1.93	0.07	0.99	0.01	1.00	1.00	0.00	1.00
Final Sat.:	1523	3045	1523	1523	2944	101	1506	17	1523	1523	0	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.17	0.03	0.02	0.22	0.22	0.06	0.06	0.04	0.01	0.00	0.01
Crit Volume:	27			332			91			14		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #140 Hallissy Dr & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.324
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	0	0	0	0	1	0	0

Volume Module:

Base Vol:	0	334	147	26	390	0	0	0	0	96	0	33
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	334	147	26	390	0	0	0	0	96	0	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	334	147	26	390	0	0	0	0	96	0	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	334	147	26	390	0	0	0	0	96	0	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	334	147	26	390	0	0	0	0	96	0	33

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	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3000	1500	1500	1500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.11	0.10	0.02	0.26	0.00	0.00	0.00	0.00	0.06	0.00	0.02
Crit Volume:	0			390			0			96		
Crit Moves:	****			****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #141 Baseline Rd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.694
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 61 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	1	0	1	0	0	1	0	2

Volume Module:

Base Vol:	106	0	124	278	0	109	106	380	71	171	354	123
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	106	0	124	278	0	109	106	380	71	171	354	123
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	106	0	124	278	0	109	106	380	71	171	354	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	106	0	124	278	0	109	106	380	71	171	354	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	106	0	124	278	0	109	106	380	71	171	354	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.00	1.00	1.00	0.84	0.16	1.00	2.00	1.00
Final Sat.:	1450	0	1450	1450	0	1450	1450	1222	228	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.00	0.09	0.19	0.00	0.08	0.07	0.31	0.31	0.12	0.12	0.00
Crit Volume:	106			278			451			171		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #142 Canevari Dr/Arsenault Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.614
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 59 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	0	1	0	0	1	0

Volume Module:

Base Vol:	77	338	14	7	695	21	3	7	138	19	17	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	77	338	14	7	695	21	3	7	138	19	17	19
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:	77	338	14	7	695	21	3	7	138	19	17	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	338	14	7	695	21	3	7	138	19	17	19
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:	77	338	14	7	695	21	3	7	138	19	17	19

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.96	0.04	1.00	0.97	0.03	0.30	0.70	1.00	0.53	0.47	1.00
Final Sat.:	1450	1392	58	1450	1407	43	435	1015	1450	765	685	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.24	0.24	0.00	0.49	0.49	0.01	0.01	0.10	0.02	0.02	0.01
Crit Volume:	0			716			138		36			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #143 Horncastle Ave & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.326
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	31	231	10	8	367	80	45	2	70	20	7	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	31	231	10	8	367	80	45	2	70	20	7	19
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	231	10	8	367	80	45	2	70	20	7	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	231	10	8	367	80	45	2	70	20	7	19
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:	31	231	10	8	367	80	45	2	70	20	7	19

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.96	0.04	1.00	0.74	0.26	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1388	62	1450	1074	376	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.16	0.01	0.01	0.25	0.06	0.03	0.03	0.05	0.02	0.02	0.01
Crit Volume:	31			367			47		27			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #144 McAnally Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.565
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	1	0	1

Volume Module:

Base Vol:	66	520	14	338	576	61	81	33	37	100	94	89
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	520	14	338	576	61	81	33	37	100	94	89
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:	66	520	14	338	576	61	81	33	37	100	94	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	520	14	338	576	61	81	33	37	100	94	89
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:	66	520	14	338	576	61	81	33	37	100	94	89

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.95	0.05	1.00	1.81	0.19	0.71	0.29	1.00	1.00	1.00	1.00
Final Sat.:	1450	2824	76	1450	2622	278	1030	420	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.18	0.18	0.23	0.22	0.22	0.08	0.08	0.03	0.07	0.06	0.06
Crit Volume:	267	338					114		100			
Crit Moves:	****	****					****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #145 Trailee Ln & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.368
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	1	0	1

Volume Module:

Base Vol:	126	554	32	47	488	50	94	8	143	41	11	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	126	554	32	47	488	50	94	8	143	41	11	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	126	554	32	47	488	50	94	8	143	41	11	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	554	32	47	488	50	94	8	143	41	11	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	126	554	32	47	488	50	94	8	143	41	11	60

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.89	0.11	1.00	2.00	1.00	0.77	0.23	1.00	0.73	0.27	1.00
Final Sat.:	1450	2742	158	1450	2900	1450	1113	337	1450	1062	388	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.20	0.20	0.03	0.17	0.03	0.08	0.02	0.10	0.04	0.03	0.04
Crit Volume:	126			244			123			41		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.539
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	2	0	0	0	4	0	2	0

Volume Module:

Base Vol:	138	0	321	57	238	230	0	1857	248	121	466	348
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	138	0	321	57	238	230	0	1857	248	121	466	348
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	138	0	321	57	238	0	0	1857	248	121	466	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	138	0	321	57	238	0	0	1857	248	121	466	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	138	0	321	57	238	0	0	1857	248	121	466	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	2.00	1.00	0.00	4.00	1.00	2.00	2.00	1.00
Final Sat.:	1450	0	2900	1450	2900	1450	0	5800	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.11	0.04	0.08	0.00	0.00	0.32	0.17	0.04	0.16	0.00
Crit Volume:	138			119			464		60			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.354
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	3	0	0	1

Volume Module:

Base Vol:	0	0	1446	0	0	317	157	883	0	0	1118	115
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	1446	0	0	317	157	883	0	0	1118	115
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	0	0	0	0	0	317	157	883	0	0	1118	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	317	157	883	0	0	1118	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	0	0	0	0	0	317	157	883	0	0	1118	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	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	1500	0	0	3000	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.11	0.10	0.20	0.00	0.00	0.25	0.00
Crit Volume:	0					159	0			373		
Crit Moves:						****	****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #148 Douglas Blvd & I-80 WB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.630
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	2	0	0	0	0	2	0	0	2

Volume Module:

Base Vol:	0	0	0	787	0	179	0	869	136	0	1102	329
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	787	0	179	0	869	136	0	1102	329
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	787	0	179	0	869	0	0	1102	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	787	0	179	0	869	0	0	1102	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	787	0	179	0	869	0	0	1102	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	0.00	2.00	0.00	1.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	0	3000	1500	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.26	0.00	0.12	0.00	0.29	0.00	0.00	0.37	0.00
Crit Volume:	0			393			0			551		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #149 Atlantic St & I-80 WB On-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.292
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 20 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	0	0	3	0	0	2

Volume Module:

Base Vol:	0	0	0	0	0	0	0	431	252	477	367	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	431	252	477	367	0
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	0	431	252	477	367	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	431	252	477	367	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	0	0	431	252	477	367	0

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	0.00	1.00	0.00	0.00	1.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	1680	0	0	1680	0	5040	1680	3360	3360	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.15	0.14	0.11	0.00
Crit Volume:	0			0					252	238		
Crit Moves:									****	****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #150 Pleasant Grove Blvd & SR 65 NB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.361
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	3	0	0	0	0	0	0	0	3	1	0	3

Volume Module:

Base Vol:	329	0	297	0	0	0	0	744	173	79	1296	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	329	0	297	0	0	0	0	744	173	79	1296	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	329	0	297	0	0	0	0	744	0	79	1296	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	329	0	297	0	0	0	0	744	0	79	1296	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	329	0	297	0	0	0	0	744	0	79	1296	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:	3.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	4500	0	3000	0	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.00	0.10	0.00	0.00	0.00	0.00	0.17	0.00	0.05	0.29	0.00
Crit Volume:	110			0			0			432		
Crit Moves:	****						****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #151 Pleasant Grove Blvd & SR 65 SB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.389
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	1	0	0	2

Volume Module:

Base Vol:	0	0	0	82	0	381	0	985	527	0	1180	370
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	82	0	381	0	985	527	0	1180	370
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	82	0	381	0	985	0	0	1180	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	82	0	381	0	985	0	0	1180	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	82	0	381	0	985	0	0	1180	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	0.00	1.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	3000	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.13	0.00	0.22	0.00	0.00	0.26	0.00
Crit Volume:	0			191		0	0			393		
Crit Moves:				****		****				****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #152 I-80 WB Off-Ramp & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.461
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	0	2	0	0	0	2	0	0

Volume Module:

Base Vol:	0	885	211	0	836	1067	0	0	0	264	0	249
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	885	211	0	836	1067	0	0	0	264	0	249
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	885	0	0	836	0	0	0	0	264	0	249
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	885	0	0	836	0	0	0	0	264	0	249
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	885	0	0	836	0	0	0	0	264	0	249

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	2.00	1.00	0.00	2.00	1.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	0	3000	1500	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.30	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.09	0.00	0.17
Crit Volume:	443			0			0			249		
Crit Moves:	****			****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #153 SR 65 NB On-Ramp & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.611
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	1	0	0	0	0	0

Volume Module:

Base Vol:	456	478	0	0	1516	51	0	0	144	0	0	456
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	456	478	0	0	1516	51	0	0	144	0	0	456
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	456	478	0	0	1516	51	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	456	478	0	0	1516	51	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	456	478	0	0	1516	51	0	0	0	0	0	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	2.00	0.00	0.00	2.90	0.10	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	1600	3200	0	0	4644	156	0	0	1600	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.28	0.15	0.00	0.00	0.33	0.33	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	456			522			0			0		
Crit Moves:	****			****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #154 SR 65 SB On-Ramp & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.385
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	2	0	0	3	0	0	1

Volume Module:

Base Vol:	0	873	117	650	1004	0	0	0	562	0	0	85
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	873	117	650	1004	0	0	0	562	0	0	85
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	873	117	650	1004	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	873	117	650	1004	0	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	0	873	117	650	1004	0	0	0	0	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	2.00	0.00	0.00	1.00
Final Sat.:	0	4800	1600	3200	4800	0	0	0	3200	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.18	0.07	0.20	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	291			325			0			0		
Crit Moves:	****			****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.896
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	2	0	0	1	1	0	2

Volume Module:

Base Vol:	103	431	619	241	0	388	169	1496	226	0	813	56
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	103	431	619	241	0	388	169	1496	226	0	813	56
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	103	431	0	241	0	388	169	1496	0	0	813	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	103	431	0	241	0	388	169	1496	0	0	813	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	103	431	0	241	0	388	169	1496	0	0	813	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	2.00	0.00	1.00	1.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	1450	1450	2900	1450	0	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.30	0.00	0.08	0.00	0.27	0.12	0.52	0.00	0.00	0.19	0.00
Crit Volume:	431			121			748			0		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #156 Fairway Dr & Highland Park Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.141
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	0	0	7	53	1	32	10	277	4	4	226	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	7	53	1	32	10	277	4	4	226	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	7	53	1	32	10	277	4	4	226	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	7	53	1	32	10	277	4	4	226	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	7	53	1	32	10	277	4	4	226	12

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.03	0.97	1.00	1.97	0.03	1.00	1.90	0.10
Final Sat.:	1450	0	1450	1450	44	1406	1450	2859	41	1450	2754	146

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.02	0.02	0.01	0.10	0.10	0.00	0.08	0.08
Crit Volume:	7	53					141			4		
Crit Moves:	****	****					****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #157 I-80 EB Off-Ramp/Orlando Ave & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.499
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	1	1	0	2	0	0	1

Volume Module:

Base Vol:	0	1028	70	33	788	0	0	201	121	69	0	176
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1028	70	33	788	0	0	201	121	69	0	176
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	1028	70	33	788	0	0	201	121	69	0	176
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1028	70	33	788	0	0	201	121	69	0	176
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	1028	70	33	788	0	0	201	121	69	0	176

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00	2.00	0.00	1.00
Final Sat.:	0	2900	1450	1450	2900	0	0	2900	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.35	0.05	0.02	0.27	0.00	0.00	0.07	0.08	0.02	0.00	0.12
Crit Volume:	514			33			0					176
Crit Moves:	****	****		****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #180 Baseline Rd & Santucci Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.603
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 57 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Ovl Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 0 1 0 0 0 0 0 1 0 1 1 0 1 0 0

Volume Module:
Base Vol: 27 0 169 0 0 0 0 201 24 339 877 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 27 0 169 0 0 0 0 201 24 339 877 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: 27 0 169 0 0 0 0 201 24 339 877 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 27 0 169 0 0 0 0 201 24 339 877 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: 27 0 169 0 0 0 0 201 24 339 877 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: 1.00 0.00 1.00 0.00 0.00 0.00 0.00 1.00 1.00 1.00 1.00 0.00
Final Sat.: 1500 0 1500 0 0 0 0 1500 1500 1500 1500 0

Capacity Analysis Module:
Vol/Sat: 0.02 0.00 0.11 0.00 0.00 0.00 0.00 0.13 0.02 0.23 0.58 0.00
Crit Volume: 27 0 877
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1001 Darling Way & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.354
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Split Phase Split Phase
Rights: Ovl Include Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 1 0 1 1 0 1 0 0 0 1 0 1 0 0 1

Volume Module:
Base Vol: 24 175 168 26 325 2 35 46 41 208 23 28
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 24 175 168 26 325 2 35 46 41 208 23 28
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 24 175 168 26 325 2 35 46 41 208 23 28
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 24 175 168 26 325 2 35 46 41 208 23 28
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: 24 175 168 26 325 2 35 46 41 208 23 28

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 1.00 1.00 1.00 1.99 0.01 0.43 0.57 1.00 0.90 0.10 1.00
Final Sat.: 1450 1450 1450 1450 2882 18 627 823 1450 1306 144 1450

Capacity Analysis Module:
Vol/Sat: 0.02 0.12 0.12 0.02 0.11 0.11 0.06 0.06 0.03 0.16 0.16 0.02
Crit Volume: 175 26 81 231
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1002 Vernon St & Douglas Blvd/Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.317
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	1

Volume Module:

Base Vol:	0	123	90	0	141	148	145	109	1	170	186	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	123	90	0	141	148	145	109	1	170	186	4
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	123	90	0	141	0	145	109	1	170	186	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	123	90	0	141	0	145	109	1	170	186	4
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	123	90	0	141	0	145	109	1	170	186	4

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	1.00	1.00	0.00	1.00	1.00	1.00	0.99	0.01	1.00	0.98	0.02
Final Sat.:	0	1500	1500	0	1500	1500	1500	1486	14	1500	1468	32

Capacity Analysis Module:

Vol/Sat:	0.00	0.08	0.06	0.00	0.09	0.00	0.10	0.07	0.07	0.11	0.13	0.13
Crit Volume:	0			141			145			190		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1003 Vernon St & Grant St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.261
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 19 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	0	1	0	0	1

Volume Module:

Base Vol:	107	30	33	3	13	7	4	220	1	21	234	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	107	30	33	3	13	7	4	220	1	21	234	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	107	30	33	3	13	7	4	220	1	21	234	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	30	33	3	13	7	4	220	1	21	234	19
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:	107	30	33	3	13	7	4	220	1	21	234	19

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:	0.78	0.22	1.00	0.13	0.57	0.30	0.02	0.98	1.00	0.08	0.85	0.07
Final Sat.:	1250	350	1600	209	904	487	29	1571	1600	123	1366	111

Capacity Analysis Module:

Vol/Sat:	0.09	0.09	0.02	0.01	0.01	0.01	0.14	0.14	0.00	0.17	0.17	0.17
Crit Volume:	137			3			4			274		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1004 Vernon St & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.201
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 18 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Permitted Permitted Permitted Permitted
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 1 0 0 1 0 1 0 0 0 0 0 1 0 0 0

Volume Module:
Base Vol: 24 9 21 2 3 0 3 237 8 10 277 7
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 24 9 21 2 3 0 3 237 8 10 277 7
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 24 9 21 2 3 0 3 237 8 10 277 7
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 24 9 21 2 3 0 3 237 8 10 277 7
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: 24 9 21 2 3 0 3 237 8 10 277 7

Saturation Flow Module:
Sat/Lane: 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
Lanes: 0.73 0.27 1.00 0.40 0.60 0.00 0.01 0.96 0.03 0.03 0.95 0.02
Final Sat.: 1164 436 1600 640 960 0 19 1529 52 54 1507 38

Capacity Analysis Module:
Vol/Sat: 0.02 0.02 0.01 0.00 0.00 0.00 0.15 0.15 0.16 0.18 0.18 0.18
Crit Volume: 24 0 3 294
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1005 Vernon St & Lincoln St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.491
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Permitted Permitted Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 1 0 0 0 0 1 0 0 1 0 1 0 0 1 0

Volume Module:
Base Vol: 45 17 294 4 14 1 8 209 18 150 234 16
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 45 17 294 4 14 1 8 209 18 150 234 16
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 45 17 294 4 14 1 8 209 18 150 234 16
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 45 17 294 4 14 1 8 209 18 150 234 16
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 45 17 294 4 14 1 8 209 18 150 234 16

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: 0.13 0.05 0.82 0.21 0.74 0.05 1.00 0.92 0.08 1.00 0.94 0.06
Final Sat.: 190 72 1239 316 1105 79 1500 1381 119 1500 1404 96

Capacity Analysis Module:
Vol/Sat: 0.24 0.24 0.24 0.01 0.01 0.01 0.01 0.15 0.15 0.10 0.17 0.17
Crit Volume: 356 4 227 150
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1006 Main St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.508
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	0	0	1	0

Volume Module:

Base Vol:	176	355	7	27	764	21	76	95	154	42	54	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	176	355	7	27	764	21	76	95	154	42	54	10
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	176	355	7	27	764	0	76	95	154	42	54	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	176	355	7	27	764	0	76	95	154	42	54	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	176	355	7	27	764	0	76	95	154	42	54	10

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	0.44	0.56	1.00	0.44	0.56	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	644	806	1450	634	816	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.12	0.00	0.02	0.26	0.00	0.12	0.12	0.11	0.07	0.07	0.01
Crit Volume:	88			382			171			96		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Roseville City Intersections)

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

Intersection #1007 Oak St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.336
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	0	11	9	851	10	448	35	7	0	0	15	478
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	11	9	851	10	448	35	7	0	0	15	478
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	11	9	851	10	448	35	7	0	0	15	478
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	11	9	851	10	448	35	7	0	0	15	478
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	0	11	9	851	10	448	35	7	0	0	15	478

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.55	0.45	1.98	0.02	1.00	1.67	0.33	0.00	0.00	1.00	2.00
Final Sat.:	0	798	653	2866	34	1450	2417	483	0	0	1450	2900

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.01	0.30	0.30	0.31	0.01	0.01	0.00	0.00	0.01	0.16
Crit Volume:	20			431			21			15		
Crit Moves:	****			****			****			****		

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project:PM Peak Hour (Roseville City Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 1 Atlantic St & Tiger Way/Center	A xxxxx	0.407	A xxxxx	0.407	+ 0.000 V/C
# 2 Atlantic St & Wills Rd	A xxxxx	0.500	A xxxxx	0.500	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	A xxxxx	0.396	A xxxxx	0.396	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	F xxxxx	1.004	F xxxxx	1.004	+ 0.000 V/C
# 5 Blue Oaks Blvd & Crocker Ranch	A xxxxx	0.390	A xxxxx	0.390	+ 0.000 V/C
# 6 Blue Oaks Blvd & Del Webb Blvd	A xxxxx	0.284	A xxxxx	0.284	+ 0.000 V/C
# 7 Blue Oaks Blvd & Fiddymment Rd	A xxxxx	0.485	A xxxxx	0.485	+ 0.000 V/C
# 8 Blue Oaks Blvd & New Meadow Dr	C xxxxx	0.732	C xxxxx	0.732	+ 0.000 V/C
# 9 Blue Oaks Blvd & Orchard View	A xxxxx	0.285	A xxxxx	0.285	+ 0.000 V/C
# 10 Blue Oaks Blvd & Diamond Creek	A xxxxx	0.567	A xxxxx	0.567	+ 0.000 V/C
# 11 Blue Oaks Blvd & Foothills Blv	D xxxxx	0.846	D xxxxx	0.846	+ 0.000 V/C
# 12 Blue Oaks Blvd & Woodcreek Oak	B xxxxx	0.654	B xxxxx	0.654	+ 0.000 V/C
# 13 Cirby Way & Sunrise Ave	D xxxxx	0.826	D xxxxx	0.826	+ 0.000 V/C
# 14 Cirby Way & Foothills Blvd	B xxxxx	0.647	B xxxxx	0.647	+ 0.000 V/C
# 15 Cirby Way & Melody Ln	C xxxxx	0.700	C xxxxx	0.700	+ 0.000 V/C
# 16 Cirby Way & Northridge Dr	B xxxxx	0.663	B xxxxx	0.663	+ 0.000 V/C
# 17 Cirby Way & Oak Ridge Dr	A xxxxx	0.404	A xxxxx	0.404	+ 0.000 V/C
# 18 Cirby Way & Orlando Ave	B xxxxx	0.660	B xxxxx	0.660	+ 0.000 V/C
# 19 Cirby Way & Parkview Dr	A xxxxx	0.374	A xxxxx	0.374	+ 0.000 V/C
# 20 Cirby Way & Riverside Ave	D xxxxx	0.864	D xxxxx	0.864	+ 0.000 V/C
# 21 Cirby Way & Rocky Ridge Dr	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
# 22 Cirby Way & San Simeon Dr	A xxxxx	0.501	A xxxxx	0.501	+ 0.000 V/C
# 23 Cirby Way & Vernon St	C xxxxx	0.785	C xxxxx	0.785	+ 0.000 V/C

City of Roseville Fiddymment Ranch SPA 3 Update Existing Plus Project:PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 24 Douglas Blvd & Eureka Rd	B xxxxx	0.658	B xxxxx	0.658	+ 0.000 V/C
# 25 Douglas Blvd & Rocky Ridge Dr	C xxxxx	0.741	C xxxxx	0.741	+ 0.000 V/C
# 26 Douglas Blvd & Santa Clara Dr	B xxxxx	0.680	B xxxxx	0.680	+ 0.000 V/C
# 27 Douglas Blvd & Sierra Gardens	B xxxxx	0.614	B xxxxx	0.614	+ 0.000 V/C
# 28 Douglas Blvd & Sunrise Ave	D xxxxx	0.841	D xxxxx	0.841	+ 0.000 V/C
# 29 Douglas Blvd & Target Dwy	B xxxxx	0.636	B xxxxx	0.636	+ 0.000 V/C
# 30 Douglas Blvd & E Roseville Pkw	D xxxxx	0.817	D xxxxx	0.817	+ 0.000 V/C
# 31 Douglas Blvd & Folsom Rd	A xxxxx	0.564	A xxxxx	0.564	+ 0.000 V/C
# 32 Douglas Blvd & Harding Blvd	D xxxxx	0.818	D xxxxx	0.818	+ 0.000 V/C
# 33 Douglas Blvd & Judah St	A xxxxx	0.465	A xxxxx	0.465	+ 0.000 V/C
# 34 Douglas Blvd & Keehner Ave	A xxxxx	0.315	A xxxxx	0.315	+ 0.000 V/C
# 35 Douglas Blvd & Park Dr	A xxxxx	0.302	A xxxxx	0.302	+ 0.000 V/C
# 36 Douglas Blvd & Sierra College	C xxxxx	0.794	C xxxxx	0.794	+ 0.000 V/C
# 37 Eureka Rd & Lead Hill Blvd	A xxxxx	0.399	A xxxxx	0.399	+ 0.000 V/C
# 38 Eureka Rd & N. Sunrise Ave	B xxxxx	0.692	B xxxxx	0.692	+ 0.000 V/C
# 39 Eureka Rd & Rocky Ridge Dr	B xxxxx	0.676	B xxxxx	0.676	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A xxxxx	0.208	A xxxxx	0.208	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts D	A xxxxx	0.330	A xxxxx	0.330	+ 0.000 V/C
# 42 Fairway Dr & Central Park Dr/L	A xxxxx	0.402	A xxxxx	0.402	+ 0.000 V/C
# 43 Fairway Dr & Cortina Cir	A xxxxx	0.291	A xxxxx	0.291	+ 0.000 V/C
# 44 Fairway Dr & Five Star Blvd	A xxxxx	0.353	A xxxxx	0.353	+ 0.000 V/C
# 45 Fairway Dr & Home Depot Dwy	A xxxxx	0.389	A xxxxx	0.389	+ 0.000 V/C
# 46 Fairway Dr & Target Dwy/Roseha	A xxxxx	0.366	A xxxxx	0.366	+ 0.000 V/C
# 47 Del Webb Blvd/Village Green Dr	A xxxxx	0.357	A xxxxx	0.357	+ 0.000 V/C
# 48 Hayden Pkwy North & Fiddymment	A xxxxx	0.366	A xxxxx	0.366	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing Plus Project:PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 49 Hayden Pkwy South & Fiddymment	A xxxxx	0.390	A xxxxx	0.390	+ 0.000 V/C
# 50 Baseline Rd/Main St & Foothill	B xxxxx	0.661	B xxxxx	0.661	+ 0.000 V/C
# 51 Misty Wood Dr/NEC Dwy & Foothi	A xxxxx	0.254	A xxxxx	0.254	+ 0.000 V/C
# 52 Albertsons Dr & Foothills Blvd	A xxxxx	0.259	A xxxxx	0.259	+ 0.000 V/C
# 54 Roseville Pkwy/HP Central Dwy	A xxxxx	0.288	A xxxxx	0.288	+ 0.000 V/C
# 55 HP South Dwy & Foothills Blvd	A xxxxx	0.340	A xxxxx	0.340	+ 0.000 V/C
# 56 Junction Blvd & Foothills Blvd	B xxxxx	0.632	B xxxxx	0.632	+ 0.000 V/C
# 57 McAnally Dr & Foothills Blvd	A xxxxx	0.579	A xxxxx	0.579	+ 0.000 V/C
# 58 Pleasant Grove Blvd & Foothill	C xxxxx	0.766	C xxxxx	0.766	+ 0.000 V/C
# 59 Rand Way/Pilgrims Dr & Foothil	A xxxxx	0.392	A xxxxx	0.392	+ 0.000 V/C
# 60 Vineyard Rd & Foothills Blvd	A xxxxx	0.537	A xxxxx	0.537	+ 0.000 V/C
# 61 Antelope Creek Dr & Galleria B	B xxxxx	0.615	B xxxxx	0.615	+ 0.000 V/C
# 62 Berry St & Galleria Blvd	A xxxxx	0.590	A xxxxx	0.590	+ 0.000 V/C
# 63 Roseville Pkwy & Galleria Blvd	D xxxxx	0.879	D xxxxx	0.879	+ 0.000 V/C
# 64 Wills Rd & Harding Blvd	A xxxxx	0.554	A xxxxx	0.554	+ 0.000 V/C
# 65 Estates Dr & Harding Blvd	A xxxxx	0.535	A xxxxx	0.535	+ 0.000 V/C
# 66 Lead Hill Blvd & Harding Blvd	C xxxxx	0.752	C xxxxx	0.752	+ 0.000 V/C
# 67 Roseville Square Dwy & Harding	A xxxxx	0.558	A xxxxx	0.558	+ 0.000 V/C
# 68 Junction Blvd & Stonecrest Dr/	A xxxxx	0.208	A xxxxx	0.208	+ 0.000 V/C
# 69 Junction Blvd & Americana Dr	xxxxx	0.000	xxxxx	0.000	+ 0.000 V/C
# 70 Baseline Rd & Junction Blvd	A xxxxx	0.373	A xxxxx	0.373	+ 0.000 V/C
# 71 Junction Blvd & Country Club D	A xxxxx	0.379	A xxxxx	0.379	+ 0.000 V/C
# 72 Junction Blvd & Park Regency D	A xxxxx	0.300	A xxxxx	0.300	+ 0.000 V/C
# 73 Junction Blvd & Porter Dr	A xxxxx	0.356	A xxxxx	0.356	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing Plus Project:PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 74 Junction Blvd & Revere Dr	A	xxxxx 0.270	A	xxxxx 0.270	+ 0.000 V/C
# 75 Junction Blvd & Washington Blv	A	xxxxx 0.500	A	xxxxx 0.500	+ 0.000 V/C
# 76 Junction Blvd & Woodcreek Oaks	A	xxxxx 0.291	A	xxxxx 0.291	+ 0.000 V/C
# 77 Lead Hill Blvd & N. Sunrise Av	C	xxxxx 0.774	C	xxxxx 0.774	+ 0.000 V/C
# 78 Lead Hill Blvd & Rocky Ridge D	A	xxxxx 0.576	A	xxxxx 0.576	+ 0.000 V/C
# 79 Lead Hill Blvd & Wal-Mart Dwy	A	xxxxx 0.339	A	xxxxx 0.339	+ 0.000 V/C
# 80 N. Sunrise Ave & Automall Dr	A	xxxxx 0.391	A	xxxxx 0.391	+ 0.000 V/C
# 81 Stone Point Dr & N. Sunrise Av	A	xxxxx 0.212	A	xxxxx 0.212	+ 0.000 V/C
# 82 Sierra Gardens Dr & N. Sunrise	A	xxxxx 0.558	A	xxxxx 0.558	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A	xxxxx 0.118	A	xxxxx 0.118	+ 0.000 V/C
# 84 PFE Rd & Hilltop Cir	A	xxxxx 0.314	A	xxxxx 0.314	+ 0.000 V/C
# 85 Fairway Dr & Pleasant Grove Bl	B	xxxxx 0.665	B	xxxxx 0.665	+ 0.000 V/C
# 86 Pleasant Grove Blvd & Fiddymen	A	xxxxx 0.444	A	xxxxx 0.444	+ 0.000 V/C
# 87 Pleasant Grove Blvd & Gold Coa	A	xxxxx 0.548	A	xxxxx 0.548	+ 0.000 V/C
# 88 Highland Park Dr & Pleasant Gr	A	xxxxx 0.409	A	xxxxx 0.409	+ 0.000 V/C
# 89 Market St & Pleasant Grove Blv	A	xxxxx 0.204	A	xxxxx 0.204	+ 0.000 V/C
# 90 Pleasant Grove Blvd & Michener	A	xxxxx 0.490	A	xxxxx 0.490	+ 0.000 V/C
# 91 Pleasant Grove Blvd & Monument	A	xxxxx 0.219	A	xxxxx 0.219	+ 0.000 V/C
# 92 Pleasant Grove Blvd & Rose Cre	A	xxxxx 0.460	A	xxxxx 0.460	+ 0.000 V/C
# 93 Pleasant Grove Blvd & Rosevill	D	xxxxx 0.814	D	xxxxx 0.814	+ 0.000 V/C
# 94 Pleasant Grove Blvd & Sun City	A	xxxxx 0.371	A	xxxxx 0.371	+ 0.000 V/C
# 95 Highland Pointe Dr & Pleasant	C	xxxxx 0.729	C	xxxxx 0.729	+ 0.000 V/C
# 96 Pleasant Grove Blvd & Washingt	B	xxxxx 0.674	B	xxxxx 0.674	+ 0.000 V/C
# 97 Pleasant Grove Blvd & Country	A	xxxxx 0.584	A	xxxxx 0.584	+ 0.000 V/C
# 98 Pleasant Grove Blvd & Woodcree	B	xxxxx 0.644	B	xxxxx 0.644	+ 0.000 V/C

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City of Roseville Fiddymment Ranch SPA 3 Update Existing Plus Project:PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 99 Maidu Dr & Rocky Ridge Dr	A	xxxxx 0.408	A	xxxxx 0.408	+ 0.000 V/C
#100 McLaren Dr & Rocky Ridge Dr	A	xxxxx 0.366	A	xxxxx 0.366	+ 0.000 V/C
#101 Professional Dr & Rocky Ridge	A	xxxxx 0.529	A	xxxxx 0.529	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A	xxxxx 0.145	A	xxxxx 0.145	+ 0.000 V/C
#103 Roseville Pkwy & Chase Dr	A	xxxxx 0.465	A	xxxxx 0.465	+ 0.000 V/C
#104 Roseville Pkwy & Creekside Rid	B	xxxxx 0.699	B	xxxxx 0.699	+ 0.000 V/C
#105 Roseville Pkwy & Gibson Dr Eas	A	xxxxx 0.544	A	xxxxx 0.544	+ 0.000 V/C
#106 Roseville Pkwy & N. Sunrise Av	C	xxxxx 0.759	C	xxxxx 0.759	+ 0.000 V/C
#107 Roseville Pkwy & Reserve Dr	B	xxxxx 0.640	B	xxxxx 0.640	+ 0.000 V/C
#108 Roseville Pkwy & Secret Ravine	B	xxxxx 0.604	B	xxxxx 0.604	+ 0.000 V/C
#109 Roseville Pkwy & Taylor Rd	C	xxxxx 0.788	C	xxxxx 0.788	+ 0.000 V/C
#110 West Mall Dwy & Roseville Pkwy	A	xxxxx 0.588	A	xxxxx 0.588	+ 0.000 V/C
#111 Alexandra Dr & Roseville Pkwy	A	xxxxx 0.495	A	xxxxx 0.495	+ 0.000 V/C
#112 Eureka Rd & Roseville Pkwy	B	xxxxx 0.642	B	xxxxx 0.642	+ 0.000 V/C
#113 Lead Hill Blvd/Orvietto Dr & R	A	xxxxx 0.454	A	xxxxx 0.454	+ 0.000 V/C
#114 Roseville Pkwy & N. Cirby Way	A	xxxxx 0.475	A	xxxxx 0.475	+ 0.000 V/C
#115 Olympus Dr & Roseville Pkwy	A	xxxxx 0.553	A	xxxxx 0.553	+ 0.000 V/C
#116 Rocky Ridge Dr & Roseville Pkw	A	xxxxx 0.453	A	xxxxx 0.453	+ 0.000 V/C
#117 Roseville Pkwy & Sierra Colleg	B	xxxxx 0.635	B	xxxxx 0.635	+ 0.000 V/C
#118 Trestle Rd & Roseville Pkwy	A	xxxxx 0.250	A	xxxxx 0.250	+ 0.000 V/C
#119 Village Dr & Roseville Pkwy	A	xxxxx 0.360	A	xxxxx 0.360	+ 0.000 V/C
#120 Roseville Pkwy & Washington Bl	B	xxxxx 0.667	B	xxxxx 0.667	+ 0.000 V/C
#121 S Cirby Way & Champion Oaks Dr	A	xxxxx 0.490	A	xxxxx 0.490	+ 0.000 V/C
#122 S Cirby Way & Old Auburn Rd	B	xxxxx 0.647	B	xxxxx 0.647	+ 0.000 V/C

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City of Roseville Fiddymont Ranch SPA 3 Update Existing Plus Project:PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#123 Secret Ravine Pkwy & Scarborough	A	xxxxx 0.272	A	xxxxx 0.272	+ 0.000 V/C
#124 Miners Ravine & Sierra College	A	xxxxx 0.403	A	xxxxx 0.403	+ 0.000 V/C
#125 Secret Ravine Pkwy & Sierra Co	A	xxxxx 0.464	A	xxxxx 0.464	+ 0.000 V/C
#126 Eureka Rd & Sierra College Blv	B	xxxxx 0.682	B	xxxxx 0.682	+ 0.000 V/C
#127 Indigo Creek Apts & Sierra Col	A	xxxxx 0.480	A	xxxxx 0.480	+ 0.000 V/C
#128 Old Auburn Rd & Sierra College	D	xxxxx 0.809	D	xxxxx 0.809	+ 0.000 V/C
#129 Olympus Dr & Sierra College Bl	A	xxxxx 0.413	A	xxxxx 0.413	+ 0.000 V/C
#130 Fairway Dr & Stanford Ranch Rd	A	xxxxx 0.544	A	xxxxx 0.544	+ 0.000 V/C
#131 Five Star Blvd & Stanford Ranc	B	xxxxx 0.634	B	xxxxx 0.634	+ 0.000 V/C
#132 Highland Park Dr & Stanford Ra	A	xxxxx 0.298	A	xxxxx 0.298	+ 0.000 V/C
#133 Coloma Way & Sunrise Ave	B	xxxxx 0.639	B	xxxxx 0.639	+ 0.000 V/C
#134 Sandringham Way/Kensington Dr	A	xxxxx 0.521	A	xxxxx 0.521	+ 0.000 V/C
#135 Sun Tree Dr/Kensington Dr & Su	B	xxxxx 0.623	B	xxxxx 0.623	+ 0.000 V/C
#136 Frances Dr & Sunrise Ave	A	xxxxx 0.570	A	xxxxx 0.570	+ 0.000 V/C
#137 Oak Ridge Dr & Sunrise Ave	A	xxxxx 0.309	A	xxxxx 0.309	+ 0.000 V/C
#138 Diamond Oaks Rd & Washington B	B	xxxxx 0.683	B	xxxxx 0.683	+ 0.000 V/C
#139 Sawtell Rd/Derek Pl & Washingt	A	xxxxx 0.365	A	xxxxx 0.365	+ 0.000 V/C
#140 Hallissy Dr & Washington Blvd	A	xxxxx 0.388	A	xxxxx 0.388	+ 0.000 V/C
#141 Baseline Rd & Woodcreek Oaks B	B	xxxxx 0.602	B	xxxxx 0.602	+ 0.000 V/C
#142 Canevari Dr/Arsenault Dr & Woo	A	xxxxx 0.573	A	xxxxx 0.573	+ 0.000 V/C
#143 Horncastle Ave & Woodcreek Oak	A	xxxxx 0.377	A	xxxxx 0.377	+ 0.000 V/C
#144 McAnally Dr & Woodcreek Oaks B	A	xxxxx 0.479	A	xxxxx 0.479	+ 0.000 V/C
#145 Trailee Ln & Woodcreek Oaks Bl	A	xxxxx 0.332	A	xxxxx 0.332	+ 0.000 V/C
#146 Blue Oaks Blvd & Washington Bl	C	xxxxx 0.748	C	xxxxx 0.748	+ 0.000 V/C
#147 Douglas Blvd & I-80 EB Ramps	C	xxxxx 0.714	C	xxxxx 0.714	+ 0.000 V/C

City of Roseville Fiddymont Ranch SPA 3 Update Existing Plus Project:PM Peak Hour (Roseville City Intersections)					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#148 Douglas Blvd & I-80 WB Off-Ram	D	xxxxx 0.812	D	xxxxx 0.812	+ 0.000 V/C
#149 Atlantic St & I-80 WB On-Ramp	A	xxxxx 0.477	A	xxxxx 0.477	+ 0.000 V/C
#150 Pleasant Grove Blvd & SR 65 NB	A	xxxxx 0.568	A	xxxxx 0.568	+ 0.000 V/C
#151 Pleasant Grove Blvd & SR 65 SB	A	xxxxx 0.571	A	xxxxx 0.571	+ 0.000 V/C
#152 I-80 WB Off-Ramp & Riverside A	B	xxxxx 0.667	B	xxxxx 0.667	+ 0.000 V/C
#153 SR 65 NB On-Ramp & Stanford Ra	D	xxxxx 0.846	D	xxxxx 0.846	+ 0.000 V/C
#154 SR 65 SB On-Ramp & Galleria Bl	B	xxxxx 0.644	B	xxxxx 0.644	+ 0.000 V/C
#155 Eureka Rd & Taylor Rd/I-80 EB	F	xxxxx 1.103	F	xxxxx 1.103	+ 0.000 V/C
#156 Fairway Dr & Highland Park Dr	A	xxxxx 0.280	A	xxxxx 0.280	+ 0.000 V/C
#157 I-80 EB Off-Ramp/Orlando Ave &	B	xxxxx 0.607	B	xxxxx 0.607	+ 0.000 V/C
#180 Baseline Rd & Santucci Blvd	C	xxxxx 0.753	C	xxxxx 0.753	+ 0.000 V/C
#1001 Darling Way & Riverside Ave	A	xxxxx 0.476	A	xxxxx 0.476	+ 0.000 V/C
#1002 Vernon St & Douglas Blvd/River	A	xxxxx 0.436	A	xxxxx 0.436	+ 0.000 V/C
#1003 Vernon St & Grant St	A	xxxxx 0.318	A	xxxxx 0.318	+ 0.000 V/C
#1004 Vernon St & Judah St	A	xxxxx 0.298	A	xxxxx 0.298	+ 0.000 V/C
#1005 Vernon St & Lincoln St	A	xxxxx 0.593	A	xxxxx 0.593	+ 0.000 V/C
#1006 Main St & Washington Blvd	A	xxxxx 0.596	A	xxxxx 0.596	+ 0.000 V/C
#1007 Oak St & Washington Blvd	A	xxxxx 0.369	A	xxxxx 0.369	+ 0.000 V/C

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1 Atlantic St & Tiger Way/Center St

Cycle (sec):	120	Critical Vol./Cap.(X):	0.407
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	38	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	12	2	18	72	4	42	45	724	9	7	898	214
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	12	2	18	72	4	42	45	724	9	7	898	214
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	12	2	18	72	4	42	45	724	9	7	898	214
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	2	18	72	4	42	45	724	9	7	898	214
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	12	2	18	72	4	42	45	724	9	7	898	214

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.10	0.90	0.95	0.05	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	145	1305	1374	76	1450	1450	2864	36	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.05	0.05	0.03	0.03	0.25	0.25	0.00	0.31	0.15
Crit Volume:	20			76			45			449		
Crit Moves:	****			****			****			****		

Existing Plus Project PM Thu Jun 20, 2013 16:27:51 Page 4-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #2 Atlantic St & Wills Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.500
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	37	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	253	0	226	0	0	0	0	581	272	207	902	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	253	0	226	0	0	0	0	581	272	207	902	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	253	0	226	0	0	0	0	581	272	207	902	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	253	0	226	0	0	0	0	581	272	207	902	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	253	0	226	0	0	0	0	581	272	207	902	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.17	0.00	0.15	0.00	0.00	0.00	0.00	0.19	0.18	0.14	0.30	0.00
Crit Volume:	253			0				291		207		
Crit Moves:	****							****		****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #3 Atlantic St & Yosemite St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.396
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	219	0	79	108	532	0	0	534	383
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	219	0	79	108	532	0	0	534	383
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	219	0	79	108	532	0	0	534	383
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	219	0	79	108	532	0	0	534	383
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	219	0	79	108	532	0	0	534	383

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.15	0.00	0.05	0.07	0.18	0.00	0.00	0.18	0.26
Crit Volume:	0			219			108			267		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #4 Baseline Rd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 1.004
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	0	1	1	0	2

Volume Module:

Base Vol:	21	654	151	153	595	216	646	450	5	222	389	98
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	654	151	153	595	216	646	450	5	222	389	98
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	21	654	151	153	595	216	646	450	5	222	389	98
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	21	654	151	153	595	216	646	450	5	222	389	98
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	21	654	151	153	595	216	646	450	5	222	389	98

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	1450	1450	1450	2868	32	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.23	0.10	0.11	0.41	0.15	0.45	0.16	0.16	0.15	0.13	0.07
Crit Volume:	21			595			646			195		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #5 Blue Oaks Blvd & Crocker Ranch Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.390
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	133	0	26	28	775	0	0	1274	168
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	133	0	26	28	775	0	0	1274	168
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	133	0	26	28	775	0	0	1274	168
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	133	0	26	28	775	0	0	1274	168
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	133	0	26	28	775	0	0	1274	168

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	0.00	1.00	0.00	1.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.09	0.00	0.02	0.02	0.17	0.00	0.00	0.28	0.11
Crit Volume:	0	133	28	425								
Crit Moves:	****	****	****	****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #6 Blue Oaks Blvd & Del Webb Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.284
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	38	0	93	0	0	0	0	732	31	117	1162	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	38	0	93	0	0	0	0	732	31	117	1162	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	38	0	93	0	0	0	0	732	31	117	1162	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	38	0	93	0	0	0	0	732	31	117	1162	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	38	0	93	0	0	0	0	732	31	117	1162	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.06	0.00	0.00	0.00	0.00	0.16	0.02	0.08	0.26	0.00
Crit Volume:	38	0	0	0	0	0	0	387				
Crit Moves:	****							****			****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #7 Blue Oaks Blvd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.485
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	2	0

Volume Module:

Base Vol:	232	553	267	196	357	12	12	174	86	241	343	421
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	232	553	267	196	357	12	12	174	86	241	343	421
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:	232	553	267	196	357	12	12	174	86	241	343	421
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	232	553	267	196	357	12	12	174	86	241	343	421
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:	232	553	267	196	357	12	12	174	86	241	343	421

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.19	0.18	0.07	0.12	0.01	0.00	0.04	0.06	0.08	0.08	0.29
Crit Volume:	277			0			6			421		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #8 Blue Oaks Blvd & New Meadow Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.732
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 85 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	2	0	0	1	0	2

Volume Module:

Base Vol:	0	0	0	107	0	24	29	1395	0	10	2030	243
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	107	0	24	29	1395	0	10	2030	243
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	107	0	24	29	1395	0	10	2030	243
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	107	0	24	29	1395	0	10	2030	243
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	107	0	24	29	1395	0	10	2030	243

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	0.00	2.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	1500	3000	0	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.02	0.02	0.47	0.00	0.01	0.68	0.16
Crit Volume:	0			53			29			1015		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #9 Blue Oaks Blvd & Orchard View

Cycle (sec): 100 Critical Vol./Cap.(X): 0.285
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	3	0	0	3

Volume Module:

Base Vol:	0	0	0	95	0	6	8	632	0	0	974	228
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	95	0	6	8	632	0	0	974	228
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	95	0	6	8	632	0	0	974	228
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	95	0	6	8	632	0	0	974	228
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	95	0	6	8	632	0	0	974	228

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	0.00	1.00	0.00	1.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.14	0.00	0.00	0.22	0.15
Crit Volume:	0			95			8			325		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #10 Blue Oaks Blvd & Diamond Creek Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.567
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	2	0	1	1

Volume Module:

Base Vol:	24	14	48	201	25	24	9	873	22	62	1328	276
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	14	48	201	25	24	9	873	22	62	1328	276
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	14	48	201	25	24	9	873	22	62	1328	276
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	14	48	201	25	24	9	873	22	62	1328	276
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:	24	14	48	201	25	24	9	873	22	62	1328	276

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.61	0.20	0.19	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2332	290	278	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.01	0.03	0.09	0.09	0.09	0.01	0.30	0.02	0.04	0.46	0.19
Crit Volume:	24			125			9			664		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #11 Blue Oaks Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.846
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 148 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	326	43	436	345	194	63	26	1232	194	219	1880	29
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	326	43	436	345	194	63	26	1232	194	219	1880	29
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:	326	43	0	345	194	63	26	1232	194	219	1880	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	326	43	0	345	194	63	26	1232	194	219	1880	29
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	326	43	0	345	194	63	26	1232	194	219	1880	29

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.01	0.00	0.12	0.07	0.04	0.02	0.42	0.13	0.08	0.65	0.02
Crit Volume:	163			97			26			940		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #12 Blue Oaks Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.654
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 66 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	2	0

Volume Module:

Base Vol:	155	162	178	202	82	21	98	957	87	422	1336	292
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	155	162	178	202	82	21	98	957	87	422	1336	292
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:	155	162	178	202	82	21	98	957	87	422	1336	292
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	162	178	202	82	21	98	957	87	422	1336	292
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:	155	162	178	202	82	21	98	957	87	422	1336	292

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.06	0.12	0.07	0.03	0.01	0.07	0.33	0.06	0.15	0.46	0.20
Crit Volume:	81			101			98			668		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #13 Cirby Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.826
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 131 Level Of Service: D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ignore	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	355	958	37	238	958	239	379	835	274	233	704	63
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	355	958	37	238	958	239	379	835	274	233	704	63
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	355	958	37	238	958	239	379	835	0	233	704	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	355	958	37	238	958	239	379	835	0	233	704	63
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	355	958	37	238	958	239	379	835	0	233	704	63

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.33	0.03	0.08	0.33	0.16	0.13	0.29	0.00	0.08	0.24	0.04
Crit Volume:	178			479			190			352		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #14 Cirby Way & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.647
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Ignore	Include	Ignore	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 2 0 1	2 0 1 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0	404	225	1206	332	0	0	0	0	331	0	1604
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	404	225	1206	332	0	0	0	0	331	0	1604
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.25
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	0	404	0	1206	332	0	0	0	0	331	0	401
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	404	0	1206	332	0	0	0	0	331	0	401
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	0	404	0	1206	332	0	0	0	0	331	0	401

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	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.13	0.00	0.40	0.22	0.00	0.00	0.00	0.00	0.11	0.00	0.27
Crit Volume:	202			603			0			166		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #15 Cirby Way & Melody Ln

Cycle (sec):	120	Critical Vol./Cap.(X):	0.700
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	62	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 0 0 0 0	0 0 2 1 0	2 0 2 0 0

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Volume Module:

Base Vol:	22	0	229	0	0	0	0	1511	7	205	1909	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	0	229	0	0	0	0	1511	7	205	1909	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:	22	0	229	0	0	0	0	1511	7	205	1909	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	0	229	0	0	0	0	1511	7	205	1909	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	0	229	0	0	0	0	1511	7	205	1909	0

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Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.09	0.00	0.91	0.00	0.00	0.00	0.00	2.99	0.01	2.00	2.00	0.00
Final Sat.:	138	0	1437	0	0	0	0	4703	22	3150	3150	0

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Capacity Analysis Module:

Vol/Sat:	0.16	0.00	0.16	0.00	0.00	0.00	0.00	0.32	0.32	0.07	0.61	0.00
Crit Volume:	251		0				0			955		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #16 Cirby Way & Northridge Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.663
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	68	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	1	1	21	40	0	5	11	1455	18	12	1861	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	1	21	40	0	5	11	1455	18	12	1861	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	1	21	40	0	5	11	1455	18	12	1861	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	1	21	40	0	5	11	1455	18	12	1861	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	1	1	21	40	0	5	11	1455	18	12	1861	10

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.04	0.04	0.92	1.00	0.00	1.00	1.00	1.98	0.02	1.00	1.99	0.01
Final Sat.:	66	66	1390	1523	0	1523	1523	3008	37	1523	3029	16

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Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.03	0.00	0.00	0.01	0.48	0.48	0.01	0.61	0.61
Crit Volume:	23			40			11			936		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #17 Cirby Way & Oak Ridge Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.404
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	38	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Permitted	Permitted	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 0 1! 0 0	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	16	6	37	12	11	24	44	1023	9	49	943	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	16	6	37	12	11	24	44	1023	9	49	943	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	16	6	37	12	11	24	44	1023	9	49	943	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	6	37	12	11	24	44	1023	9	49	943	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	16	6	37	12	11	24	44	1023	9	49	943	14

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Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.27	0.10	0.63	0.26	0.23	0.51	1.00	1.98	0.02	1.00	1.97	0.03
Final Sat.:	427	160	988	402	369	804	1575	3123	27	1575	3104	46

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Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.33	0.33	0.03	0.30	0.30
Crit Volume:	59			12					516	49		
Crit Moves:	****			****					****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #18 Cirby Way & Orlando Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.660
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	67	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 1	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	34	3	453	8	2	16	13	1028	57	127	1215	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	3	453	8	2	16	13	1028	57	127	1215	5
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	3	453	8	2	16	13	1028	57	127	1215	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	3	453	8	2	16	13	1028	57	127	1215	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	34	3	453	8	2	16	13	1028	57	127	1215	5

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.92	0.08	1.00	0.80	0.20	1.00	1.00	1.89	0.11	1.00	1.99	0.01
Final Sat.:	1399	123	1523	1218	305	1523	1523	2885	160	1523	3033	12

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Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.30	0.01	0.01	0.01	0.01	0.36	0.36	0.08	0.40	0.40
Crit Volume:			453		10				543	0		
Crit Moves:	****		****						****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #19 Cirby Way & Parkview Dr

Cycle (sec):	120	Critical Vol./Cap.(X):	0.374
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	30	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	17	0	7	19	0	12	30	933	0	11	980	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	0	7	19	0	12	30	933	0	11	980	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	17	0	7	19	0	12	30	933	0	11	980	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	0	7	19	0	12	30	933	0	11	980	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	17	0	7	19	0	12	30	933	0	11	980	13

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.71	0.00	0.29	1.00	0.00	1.00	1.00	2.00	0.00	1.00	1.97	0.03
Final Sat.:	1078	0	444	1523	0	1523	1523	3045	0	1523	3005	40

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Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.01	0.00	0.01	0.02	0.31	0.00	0.01	0.33	0.33
Crit Volume:	24	19		30						497		
Crit Moves:	****	****		****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #20 Cirby Way & Riverside Ave

Cycle (sec):	120	Critical Vol./Cap.(X):	0.864
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	168	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 3 0 1	2 0 2 0 2	2 0 1 1 0

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Volume Module:

Base Vol:	1121	533	173	149	429	99	168	646	1024	371	841	91
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1121	533	173	149	429	99	168	646	1024	371	841	91
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	1121	533	173	149	429	99	168	646	0	371	841	91
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1121	533	173	149	429	99	168	646	0	371	841	91
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	1121	533	173	149	429	99	168	646	0	371	841	91

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	2.00	2.00	2.00	1.80	0.20
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	2900	2900	2900	2617	283

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Capacity Analysis Module:

Vol/Sat:	0.39	0.18	0.12	0.05	0.10	0.07	0.06	0.22	0.00	0.13	0.32	0.32
Crit Volume:	561			143			84			466		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #21 Cirby Way & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.656
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	1	1	0 0 1	1	1	0 1 0	0	0	1 1 0

Volume Module:

Base Vol:	0	0	0	473	0	629	465	508	0	0	521	188
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	473	0	629	465	508	0	0	521	188
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	473	0	629	465	508	0	0	521	188
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	473	0	629	465	508	0	0	521	188
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	473	0	629	465	508	0	0	521	188

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	1.00	0.00	2.00	0.00	1.00	1.43	1.57	0.00	0.00	1.47	0.53
Final Sat.:	0	1500	0	3000	0	1500	2151	2349	0	0	2205	795

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.16	0.00	0.42	0.22	0.22	0.00	0.00	0.24	0.24
Crit Volume:	0			629			0				355	
Crit Moves:				****		****					****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #22 Cirby Way & San Simeon Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.501
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0 0 1	0	0	0 0 0	0	0	1 1 0	1	0	2 0 0

Volume Module:

Base Vol:	39	0	36	0	0	0	0	1411	13	38	1295	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	39	0	36	0	0	0	0	1411	13	38	1295	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:	39	0	36	0	0	0	0	1411	13	38	1295	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	0	36	0	0	0	0	1411	13	38	1295	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:	39	0	36	0	0	0	0	1411	13	38	1295	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.98	0.02	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3121	29	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.45	0.45	0.02	0.41	0.00
Crit Volume:	39			0				712	38			
Crit Moves:	****							****	****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #23 Cirby Way & Vernon St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.785
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 106 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	2	0	1	2	0	1

Volume Module:

Base Vol:	32	109	129	92	110	294	153	1240	19	82	1624	40
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	32	109	129	92	110	294	153	1240	19	82	1624	40
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	109	129	92	110	294	153	1240	19	82	1624	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	109	129	92	110	294	153	1240	19	82	1624	40
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:	32	109	129	92	110	294	153	1240	19	82	1624	40

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	2.00	1.97	0.03	2.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	2856	44	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.08	0.09	0.06	0.08	0.20	0.05	0.43	0.43	0.03	0.56	0.03
Crit Volume:	32			294		0				812		
Crit Moves:	****			****		****				****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #24 Douglas Blvd & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.658
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	1	2

Volume Module:

Base Vol:	395	429	28	425	441	106	151	1213	460	65	1356	383
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	395	429	28	425	441	106	151	1213	460	65	1356	383
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	395	429	28	425	441	0	151	1213	460	65	1356	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	395	429	28	425	441	0	151	1213	460	65	1356	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	395	429	28	425	441	0	151	1213	460	65	1356	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.14	0.15	0.02	0.15	0.15	0.00	0.05	0.28	0.32	0.02	0.31	0.00
Crit Volume:	215			212			76			452		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #25 Douglas Blvd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.741
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 88 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	2	0	3	0	1

Volume Module:

Base Vol:	323	436	159	215	567	131	175	1338	119	318	1626	121
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	323	436	159	215	567	131	175	1338	119	318	1626	121
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	323	436	159	215	567	131	175	1338	0	318	1626	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	323	436	159	215	567	131	175	1338	0	318	1626	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	323	436	159	215	567	131	175	1338	0	318	1626	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.15	0.11	0.07	0.20	0.09	0.06	0.31	0.00	0.11	0.37	0.00
Crit Volume:	162			284			88			542		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #26 Douglas Blvd & Santa Clara Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.680
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	1	1	0	2	1	0	2

Volume Module:

Base Vol:	40	20	80	152	44	159	142	1663	30	53	1887	38
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	20	80	152	44	159	142	1663	30	53	1887	38
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	20	80	152	44	159	142	1663	30	53	1887	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	20	80	152	44	159	142	1663	30	53	1887	38
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	40	20	80	152	44	159	142	1663	30	53	1887	38

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.20	0.80	1.00	1.00	1.00	1.00	2.95	0.05	1.00	2.94	0.06
Final Sat.:	1523	305	1218	1523	1523	1523	1523	4487	81	1523	4477	90

Capacity Analysis Module:

Vol/Sat:	0.03	0.07	0.07	0.10	0.03	0.10	0.09	0.37	0.37	0.03	0.42	0.42
Crit Volume:	100			152			142			642		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #27 Douglas Blvd & Sierra Gardens Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.614
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 59 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	0	0	1	0	2	1	0	2

Volume Module:

Base Vol:	175	38	35	186	22	34	50	1668	40	39	1876	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	175	38	35	186	22	34	50	1668	40	39	1876	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	175	38	35	186	22	34	50	1668	40	39	1876	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	175	38	35	186	22	34	50	1668	40	39	1876	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	175	38	35	186	22	34	50	1668	40	39	1876	42

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.41	0.31	0.28	1.54	0.18	0.28	1.00	2.93	0.07	1.00	2.93	0.07
Final Sat.:	2149	467	430	2340	277	428	1523	4461	107	1523	4467	100

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.08	0.08	0.08	0.03	0.37	0.37	0.03	0.42	0.42
Crit Volume:	124	121	121	121	121	121	50	50	50	639	639	639
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #28 Douglas Blvd & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.841
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 144 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	1	0	0	2	0	2	0	1	0

Volume Module:

Base Vol:	360	442	127	123	554	452	359	1555	134	258	1750	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	360	442	127	123	554	452	359	1555	134	258	1750	100
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:	360	442	127	123	554	452	359	1555	134	258	1750	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	360	442	127	123	554	452	359	1555	134	258	1750	100
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:	360	442	127	123	554	452	359	1555	134	258	1750	100

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.55	0.45	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2253	647	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.20	0.20	0.04	0.19	0.31	0.12	0.36	0.09	0.09	0.40	0.07
Crit Volume:	180	277	277	180	277	277	180	180	180	583	583	583
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #29 Douglas Blvd & Target Dwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.636
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	63	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	1 0 0 1 0	1 0 2 1 0	1 0 2 1 0

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Volume Module:

Base Vol:	100	24	68	86	10	97	151	1540	36	71	1814	15
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	100	24	68	86	10	97	151	1540	36	71	1814	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	100	24	68	86	10	97	151	1540	36	71	1814	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	24	68	86	10	97	151	1540	36	71	1814	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	100	24	68	86	10	97	151	1540	36	71	1814	15

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.26	0.74	1.00	0.09	0.91	1.00	2.93	0.07	1.00	2.98	0.02
Final Sat.:	1523	397	1125	1523	142	1380	1523	4463	104	1523	4530	37

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Capacity Analysis Module:

Vol/Sat:	0.07	0.06	0.06	0.06	0.07	0.07	0.10	0.35	0.35	0.05	0.40	0.40
Crit Volume:	100				107	151						610
Crit Moves:	****				****	****						****

Existing Plus Project PM Thu Jun 20, 2013 16:27:52 Page 32-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #30 Douglas Blvd & E Roseville Pkwy

Cycle (sec):	120	Critical Vol./Cap.(X):	0.817
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	125	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

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Volume Module:

Base Vol:	156	601	51	670	638	93	173	1491	170	104	1297	719
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	156	601	51	670	638	93	173	1491	170	104	1297	719
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	156	601	51	670	638	0	173	1491	170	104	1297	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	601	51	670	638	0	173	1491	170	104	1297	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	156	601	51	670	638	0	173	1491	170	104	1297	0

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1450	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

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Capacity Analysis Module:

Vol/Sat:	0.11	0.21	0.04	0.23	0.22	0.00	0.06	0.34	0.12	0.04	0.30	0.00
Crit Volume:	301			335			497			52		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #31 Douglas Blvd & Folsom Rd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.564
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	52	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	1 1 0 0 1	1 0 1 1 0	1 0 1 1 0

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Volume Module:

Base Vol:	5	5	13	276	4	58	45	800	4	21	1187	114
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	5	13	276	4	58	45	800	4	21	1187	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:	5	5	13	276	4	58	45	800	4	21	1187	114
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	5	13	276	4	58	45	800	4	21	1187	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	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	5	13	276	4	58	45	800	4	21	1187	114

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.22	0.22	0.56	1.97	0.03	1.00	1.00	1.99	0.01	1.00	1.82	0.18
Final Sat.:	331	331	861	3002	44	1523	1523	3030	15	1523	2778	267

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Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.09	0.09	0.04	0.03	0.26	0.26	0.01	0.43	0.43
Crit Volume:	23			140			45				651	
Crit Moves:	****			****			****				****	

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #32 Douglas Blvd & Harding Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.818
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	125	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ignore	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 0 1	1 1 0 0 1	1 0 1 1 0	1 0 2 0 1

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Volume Module:

Base Vol:	32	34	85	736	9	252	183	933	8	67	1193	492
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	32	34	85	736	9	252	183	933	8	67	1193	492
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:	32	34	0	736	9	252	183	933	8	67	1193	492
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	34	0	736	9	252	183	933	8	67	1193	492
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	32	34	0	736	9	252	183	933	8	67	1193	492

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Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.98	0.02	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2865	35	1450	1450	2875	25	1450	2900	1450

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Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.00	0.26	0.26	0.17	0.13	0.32	0.32	0.05	0.41	0.34
Crit Volume:	34			373			183				597	
Crit Moves:	****			****			****				****	

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #33 Douglas Blvd & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.465
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Permitted	Permitted
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 1 0 0 0	0 1 0 0 1	0 0 1 1 0	0 0 1 0 1

Volume Module:

Base Vol:	3	3	0	223	0	10	0	340	0	0	503	246
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	3	0	223	0	10	0	340	0	0	503	246
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	3	0	223	0	10	0	340	0	0	503	246
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	3	0	223	0	10	0	340	0	0	503	246
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:	3	3	0	223	0	10	0	340	0	0	503	246

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.50	0.50	0.00	1.00	0.00	1.00	0.00	2.00	0.00	0.00	1.00	1.00
Final Sat.:	788	788	0	1575	0	1575	0	3150	0	0	1575	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.14	0.00	0.01	0.00	0.11	0.00	0.00	0.32	0.16
Crit Volume:	6	223	0	223	0	0	0	503	0	0	503	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #34 Douglas Blvd & Keehner Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.315
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	45	0	123	0	0	0	0	663	15	112	282	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	0	123	0	0	0	0	663	15	112	282	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:	45	0	123	0	0	0	0	663	15	112	282	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	0	123	0	0	0	0	663	15	112	282	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:	45	0	123	0	0	0	0	663	15	112	282	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.96	0.04	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3080	70	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.08	0.00	0.00	0.00	0.00	0.22	0.22	0.07	0.09	0.00
Crit Volume:	45	0	0	0	0	0	0	339	112	112	112	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #35 Douglas Blvd & Park Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.302
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1! 0 0	1	0	0 1 0	0	0	2 0 1	1	0	2 0 0

Volume Module:

Base Vol:	22	0	22	57	8	24	0	568	23	20	719	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	0	22	57	8	24	0	568	23	20	719	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	22	0	22	57	8	24	0	568	0	20	719	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	0	22	57	8	24	0	568	0	20	719	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	22	0	22	57	8	24	0	568	0	20	719	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.50	0.00	0.50	1.00	0.25	0.75	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	761	0	761	1523	381	1142	0	3045	1523	1523	3045	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.03	0.04	0.02	0.02	0.00	0.19	0.00	0.01	0.24	0.00
Crit Volume:	44	57					0			360		
Crit Moves:	****	****		****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #36 Douglas Blvd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.794
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 111 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3 0 1	2	0	2 1 0	2	0	3 0 1	2	0	3 0 1

Volume Module:

Base Vol:	464	905	224	226	701	56	294	1534	256	312	1265	189
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	464	905	224	226	701	56	294	1534	256	312	1265	189
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	464	905	0	226	701	56	294	1534	256	312	1265	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	464	905	0	226	701	56	294	1534	256	312	1265	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	464	905	0	226	701	56	294	1534	256	312	1265	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	2.78	0.22	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4028	322	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.21	0.00	0.08	0.17	0.17	0.10	0.35	0.18	0.11	0.29	0.00
Crit Volume:	232			252			511			156		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #37 Eureka Rd & Lead Hill Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.399
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	205	959	81	94	682	36	95	154	146	48	160	116
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	205	959	81	94	682	36	95	154	146	48	160	116
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	205	959	0	94	682	0	95	154	0	48	160	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	205	959	0	94	682	0	95	154	0	48	160	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	205	959	0	94	682	0	95	154	0	48	160	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.13	0.21	0.00	0.06	0.15	0.00	0.06	0.05	0.00	0.03	0.05	0.00
Crit Volume:	205			227			95			80		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #38 Eureka Rd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.692
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 74 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	521	533	201	145	456	155	221	1186	418	135	1443	74
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	521	533	201	145	456	155	221	1186	418	135	1443	74
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	521	533	0	145	456	0	221	1186	0	135	1443	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	521	533	0	145	456	0	221	1186	0	135	1443	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	521	533	0	145	456	0	221	1186	0	135	1443	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.18	0.12	0.00	0.05	0.10	0.00	0.08	0.27	0.00	0.05	0.33	0.00
Crit Volume:	261			152			111			481		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #39 Eureka Rd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.676
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 70 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	64	1106	39	111	868	242	373	284	18	48	256	105
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	1106	39	111	868	242	373	284	18	48	256	105
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	64	1106	0	111	868	0	373	284	0	48	256	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	64	1106	0	111	868	0	373	284	0	48	256	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	64	1106	0	111	868	0	373	284	0	48	256	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.25	0.00	0.08	0.20	0.00	0.26	0.10	0.00	0.03	0.09	0.00
Crit Volume:	369			111			373			128		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #40 Eureka Rd & Ashland Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.208
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	29	3	10	7	5	3	47	370	47	39	386	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	3	10	7	5	3	47	370	47	39	386	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:	29	3	10	7	5	3	47	370	47	39	386	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	3	10	7	5	3	47	370	47	39	386	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	29	3	10	7	5	3	47	370	47	39	386	9

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.69	0.07	0.24	0.58	0.42	1.00	1.00	1.77	0.23	1.00	2.00	1.00
Final Sat.:	1001	104	345	846	604	1450	1450	2573	327	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.01	0.01	0.00	0.03	0.14	0.14	0.03	0.13	0.01
Crit Volume:	42			12			209			39		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #41 Eureka Rd & Deer Valley Apts Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.330
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	0	1	0

Volume Module:

Base Vol:	7	529	8	57	862	12	19	2	5	12	4	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	7	529	8	57	862	12	19	2	5	12	4	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	7	529	8	57	862	12	19	2	5	12	4	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	529	8	57	862	12	19	2	5	12	4	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	7	529	8	57	862	12	19	2	5	12	4	42

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.97	0.03	1.00	1.97	0.03	1.00	0.29	0.71	0.75	0.25	1.00
Final Sat.:	1450	2857	43	1450	2860	40	1450	414	1036	1088	363	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.19	0.19	0.04	0.30	0.30	0.01	0.00	0.00	0.01	0.01	0.03
Crit Volume:	7			437	19					16		
Crit Moves:	****			****	****		****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #42 Fairway Dr & Central Park Dr/Lowes Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.402
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	133	42	89	25	26	60	62	718	153	140	828	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	133	42	89	25	26	60	62	718	153	140	828	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	133	42	89	25	26	60	62	718	153	140	828	26
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	42	89	25	26	60	62	718	153	140	828	26
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	133	42	89	25	26	60	62	718	153	140	828	26

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.52	0.48	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2314	731	1523	1523	1523	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.06	0.02	0.02	0.04	0.04	0.24	0.10	0.09	0.27	0.02
Crit Volume:	88			26			359			140		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #43 Fairway Dr & Cortina Cir

Cycle (sec): 100 Critical Vol./Cap.(X): 0.291
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	26	667	37	30	683	19	51	0	27	29	0	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	667	37	30	683	19	51	0	27	29	0	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	26	667	37	30	683	19	51	0	27	29	0	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	667	37	30	683	19	51	0	27	29	0	24
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:	26	667	37	30	683	19	51	0	27	29	0	24

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.23	0.03	0.02	0.24	0.01	0.02	0.00	0.02	0.02	0.00	0.02
Crit Volume:	26			342			25			29		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #44 Fairway Dr & Five Star Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.353
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	379	61	32	9	49	31	34	446	384	36	315	33
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	379	61	32	9	49	31	34	446	384	36	315	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	379	61	32	9	49	31	34	446	384	36	315	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	379	61	32	9	49	31	34	446	384	36	315	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	379	61	32	9	49	31	34	446	384	36	315	33

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.72	0.28	1.00	0.16	0.84	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2623	422	1523	236	1286	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.14	0.14	0.02	0.04	0.04	0.02	0.02	0.15	0.25	0.02	0.10	0.02
Crit Volume:	220			58			223			36		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #45 Fairway Dr & Home Depot Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.389
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1! 0 0	0	1	0 0 1	1	0	2 0 1	1	0	2 0 1

Volume Module:

Base Vol:	156	36	10	2	18	21	29	812	72	65	725	6
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	156	36	10	2	18	21	29	812	72	65	725	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	156	36	10	2	18	21	29	812	72	65	725	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	36	10	2	18	21	29	812	72	65	725	6
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:	156	36	10	2	18	21	29	812	72	65	725	6

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.54	0.36	0.10	0.10	0.90	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2352	543	151	152	1370	1523	1523	3045	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.07	0.07	0.07	0.01	0.01	0.01	0.02	0.27	0.05	0.04	0.24	0.00
Crit Volume:	101			20			406			65		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #46 Fairway Dr & Target Dwy/Rosehall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.366
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0 0 1	0	0	1! 0 0	1	0	2 0 1	1	0	2 0 1

Volume Module:

Base Vol:	81	27	13	5	33	1	41	700	42	88	686	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	81	27	13	5	33	1	41	700	42	88	686	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	27	13	5	33	1	41	700	42	88	686	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	27	13	5	33	1	41	700	42	88	686	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	81	27	13	5	33	1	41	700	42	88	686	42

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.50	0.50	1.00	0.13	0.85	0.02	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2175	725	1450	186	1227	37	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.01	0.03	0.03	0.03	0.03	0.24	0.03	0.06	0.24	0.03
Crit Volume:	54			39			350			88		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #47 Del Webb Blvd/Village Green Dr & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.357
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	105	721	27	19	542	57	57	9	87	47	34	97
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	105	721	27	19	542	57	57	9	87	47	34	97
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	105	721	27	19	542	57	57	9	87	47	34	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	105	721	27	19	542	57	57	9	87	47	34	97
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	105	721	27	19	542	57	57	9	87	47	34	97

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.58	0.42	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	841	609	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.25	0.02	0.01	0.19	0.04	0.04	0.01	0.06	0.06	0.06	0.07
Crit Volume:	361			19			57			81		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #48 Hayden Pkwy North & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.366
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	0

Volume Module:

Base Vol:	279	270	7	0	398	34	37	3	56	14	2	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	279	270	7	0	398	34	37	3	56	14	2	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:	279	270	7	0	398	34	37	3	56	14	2	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	279	270	7	0	398	34	37	3	56	14	2	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:	279	270	7	0	398	34	37	3	56	14	2	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.88	0.12	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1269	181	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.09	0.00	0.00	0.14	0.02	0.03	0.00	0.04	0.01	0.01	0.00
Crit Volume:	279			199			37			16		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #49 Hayden Pkwy South & Fiddymment Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.390
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 0	0 0 2 0 1	1 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	152 1010	0	0 544	99	80	0 103	0 0 0
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00 1.00
Initial Bse:	152 1010	0	0 544	99	80	0 103	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:	152 1010	0	0 544	99	80	0 103	0 0 0
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0
Reduced Vol:	152 1010	0	0 544	99	80	0 103	0 0 0
PCE Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00 1.00
FinalVolume:	152 1010	0	0 544	99	80	0 103	0 0 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:	1.00 2.00	0.00	0.00 2.00	1.00	1.00 0.00	1.00	0.00 0.00 0.00
Final Sat.:	1500 3000	0	0 3000	1500	1500	0 1500	0 0 0

Capacity Analysis Module:

Vol/Sat:	0.10 0.34	0.00	0.00 0.18	0.07	0.05 0.00	0.07	0.00 0.00 0.00
Crit Volume:	505	0	80	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #50 Baseline Rd/Main St & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.661
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ignore	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	616 1115	84	138 1061	127	155 165	339	91 216	124
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
Initial Bse:	616 1115	84	138 1061	127	155 165	339	91 216	124
User Adj:	1.00 1.00	1.00	1.00 1.00	0.00	1.00 1.00	1.00	1.00 1.00	1.00
PHF Adj:	1.00 1.00	1.00	1.00 1.00	0.00	1.00 1.00	1.00	1.00 1.00	1.00
PHF Volume:	616 1115	84	138 1061	0	155 165	339	91 216	124
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	616 1115	84	138 1061	0	155 165	339	91 216	124
PCE Adj:	1.00 1.00	1.00	1.00 1.00	0.00	1.00 1.00	1.00	1.00 1.00	1.00
MLF Adj:	1.00 1.00	1.00	1.00 1.00	0.00	1.00 1.00	1.00	1.00 1.00	1.00
FinalVolume:	616 1115	84	138 1061	0	155 165	339	91 216	124

Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
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 2.00	1.00	1.00 3.00	1.00	1.00 2.00	1.00	1.00 2.00	1.00
Final Sat.:	2900 2900	1450	1450 4350	1450	1450 2900	1450	1450 2900	1450

Capacity Analysis Module:

Vol/Sat:	0.21 0.38	0.06	0.10 0.24	0.00	0.11 0.06	0.23	0.06 0.07	0.09
Crit Volume:	558	138	155	0	108	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #51 Misty Wood Dr/NEC Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.254
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	3	0	1	0	0	1	0

Volume Module:

Base Vol:	25	482	26	6	906	5	16	8	17	34	2	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	482	26	6	906	5	16	8	17	34	2	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	482	26	6	906	5	16	8	17	34	2	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	482	26	6	906	5	16	8	17	34	2	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	482	26	6	906	5	16	8	17	34	2	17

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	0.67	0.33	1.00	1.89	0.11	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	967	483	1450	2739	161	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.17	0.02	0.00	0.21	0.00	0.02	0.02	0.01	0.01	0.01	0.01
Crit Volume:	25			302			24			18		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #52 Albertsons Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.259
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	2	0	1	0	0	1	0

Volume Module:

Base Vol:	8	717	20	6	562	4	23	15	37	67	1	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	717	20	6	562	4	23	15	37	67	1	13
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	8	717	0	6	562	4	23	15	0	67	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	717	0	6	562	4	23	15	0	67	1	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	8	717	0	6	562	4	23	15	0	67	1	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.00	1.00	1.21	0.79	1.00	0.99	0.01	1.00
Final Sat.:	1450	4350	1450	1450	2900	1450	1755	1145	1450	1429	21	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.16	0.00	0.00	0.19	0.00	0.01	0.01	0.00	0.05	0.05	0.00
Crit Volume:	8			281			19			68		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #54 Roseville Pkwy/HP Central Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.288
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	0	0	0	0

Volume Module:

Base Vol:	41	677	0	0	668	5	113	0	31	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	41	677	0	0	668	5	113	0	31	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	41	677	0	0	668	0	113	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	41	677	0	0	668	0	113	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	41	677	0	0	668	0	113	0	0	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	3000	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.23	0.00	0.00	0.22	0.00	0.04	0.00	0.00	0.00	0.00	0.00
Crit Volume:	41			334			57			0		
Crit Moves:	****			****			****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #55 HP South Dwy & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.340
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	0	0	1	1	0	0

Volume Module:

Base Vol:	7	482	0	0	686	6	160	0	77	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	7	482	0	0	686	6	160	0	77	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:	7	482	0	0	686	6	160	0	77	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	482	0	0	686	6	160	0	77	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	7	482	0	0	686	6	160	0	77	0	0	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:	1.00	2.00	0.00	0.00	2.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1500	3000	0	0	3000	1500	1500	0	1500	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.00	0.00	0.23	0.00	0.11	0.00	0.05	0.00	0.00	0.00
Crit Volume:	7			343			160			0		
Crit Moves:	****			****			****					

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #56 Junction Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.632
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 62 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	176	1054	136	218	1039	213	159	211	88	192	376	280
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	176	1054	136	218	1039	213	159	211	88	192	376	280
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	176	1054	0	218	1039	0	159	211	88	192	376	280
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	176	1054	0	218	1039	0	159	211	88	192	376	280
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	176	1054	0	218	1039	0	159	211	88	192	376	280

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.24	0.00	0.15	0.24	0.00	0.11	0.07	0.06	0.13	0.13	0.19
Crit Volume:	351			218			159			188		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #57 McAnally Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.579
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	231	1090	24	30	1364	37	108	9	111	59	7	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	231	1090	24	30	1364	37	108	9	111	59	7	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:	231	1090	24	30	1364	37	108	9	111	59	7	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	231	1090	24	30	1364	37	108	9	111	59	7	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:	231	1090	24	30	1364	37	108	9	111	59	7	23

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.94	0.06	1.00	2.92	0.08	0.92	0.08	1.00	0.89	0.11	1.00
Final Sat.:	1523	4469	98	1523	4447	121	1405	117	1523	1361	161	1523

Capacity Analysis Module:

Vol/Sat:	0.15	0.24	0.24	0.02	0.31	0.31	0.08	0.08	0.07	0.04	0.04	0.02
Crit Volume:	231			467			117			66		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #58 Pleasant Grove Blvd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.766
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 97 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	330	386	483	208	581	158	114	996	168	744	1389	131
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	330	386	483	208	581	158	114	996	168	744	1389	131
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	330	386	0	208	581	0	114	996	0	744	1389	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	330	386	0	208	581	0	114	996	0	744	1389	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	330	386	0	208	581	0	114	996	0	744	1389	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	3.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	4350	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.13	0.00	0.07	0.13	0.00	0.04	0.23	0.00	0.17	0.48	0.00
Crit Volume:	165			194			57			695		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #59 Rand Way/Pilgrims Dr & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.392
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	1	0	2	1	0	1	0	0	1

Volume Module:

Base Vol:	55	1374	30	25	1290	10	33	0	34	24	0	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	1374	30	25	1290	10	33	0	34	24	0	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	1374	30	25	1290	10	33	0	34	24	0	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	55	1374	30	25	1290	10	33	0	34	24	0	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	55	1374	30	25	1290	10	33	0	34	24	0	13

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.94	0.06	1.00	2.98	0.02	0.49	0.00	0.51	0.65	0.00	0.35
Final Sat.:	1523	4470	98	1523	4532	35	750	0	773	988	0	535

Capacity Analysis Module:

Vol/Sat:	0.04	0.31	0.31	0.02	0.28	0.28	0.04	0.00	0.04	0.02	0.00	0.02
Crit Volume:		468	25						67			37
Crit Moves:	****	****					****		****			****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #60 Vineyard Rd & Foothills Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.537
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	154	1648	69	76	1273	16	82	51	68	146	72	112
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	154	1648	69	76	1273	16	82	51	68	146	72	112
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	154	1648	0	76	1273	16	82	51	68	146	72	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	154	1648	0	76	1273	16	82	51	68	146	72	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	154	1648	0	76	1273	16	82	51	68	146	72	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.00	2.96	0.04	1.00	2.00	1.00	2.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4296	54	1450	2900	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.38	0.00	0.05	0.30	0.30	0.06	0.02	0.05	0.05	0.05	0.00
Crit Volume:	549	76		82	72							
Crit Moves:	****	****		****	****							

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #61 Antelope Creek Dr & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.615
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 59 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	0	2	1	1	0	1	0

Volume Module:

Base Vol:	131	1727	192	207	1065	134	378	66	134	250	96	346
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	131	1727	192	207	1065	134	378	66	134	250	96	346
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	131	1727	0	207	1065	134	378	66	0	250	96	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	131	1727	0	207	1065	134	378	66	0	250	96	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	131	1727	0	207	1065	134	378	66	0	250	96	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	3.00	1.00	1.00	2.89	1.11	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	4350	1450	1450	4191	1609	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.40	0.00	0.07	0.24	0.09	0.09	0.05	0.00	0.06	0.06	0.00
Crit Volume:	576	104		126	87							
Crit Moves:	****	****		****	****							

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #62 Berry St & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.590
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 56 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	126	1422	6	59	1074	128	77	0	158	5	1	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	126	1422	6	59	1074	128	77	0	158	5	1	3
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:	126	1422	6	59	1074	128	77	0	158	5	1	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	1422	6	59	1074	128	77	0	158	5	1	3
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:	126	1422	6	59	1074	128	77	0	158	5	1	3

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.99	0.01	1.00	2.00	1.00	1.00	0.00	1.00	0.83	0.17	1.00
Final Sat.:	1450	2888	12	1450	2900	1450	1450	0	1450	1208	242	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.49	0.49	0.04	0.37	0.09	0.05	0.00	0.11	0.00	0.00	0.00
Crit Volume:	714	59					77			6		
Crit Moves:	****	****					****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #63 Roseville Pkwy & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.879
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	3	0	2	0	1	2	0

Volume Module:

Base Vol:	532	810	67	583	619	355	430	1068	468	216	1451	810
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	532	810	67	583	619	355	430	1068	468	216	1451	810
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	532	810	0	583	619	0	430	1068	0	216	1451	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	532	810	0	583	619	0	430	1068	0	216	1451	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	532	810	0	583	619	0	430	1068	0	216	1451	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	3.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	4350	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.18	0.19	0.00	0.13	0.21	0.00	0.15	0.25	0.00	0.07	0.33	0.00
Crit Volume:	266			310			215			484		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #64 Wills Rd & Harding Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.554
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	51	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 1 1 0	1 0 2 0 1	1 1 0 0 1	0 1 0 0 1

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Volume Module:

Base Vol:	263 1267	4	7 858	382	281	6	196	8	10	16
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
Initial Bse:	263 1267	4	7 858	382	281	6	196	8	10	16
User Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 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	1.00 1.00	1.00
PHF Volume:	263 1267	4	7 858	382	281	6	196	8	10	16
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	263 1267	4	7 858	382	281	6	196	8	10	16
PCE Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	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	1.00 1.00	1.00
FinalVolume:	263 1267	4	7 858	382	281	6	196	8	10	16

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Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
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 1.99	0.01	1.00 2.00	1.00	1.96 0.04	1.00	0.44 0.56	1.00
Final Sat.:	2900 2891	9	1450 2900	1450	2839 61	1450	644 806	1450

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Capacity Analysis Module:

Vol/Sat:	0.09 0.44	0.44	0.00 0.30	0.26	0.10 0.10	0.14	0.01 0.01	0.01
Crit Volume:	636	7	144	18				
Crit Moves:	****	****	****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #65 Estates Dr & Harding Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.535
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Split Phase	Split Phase
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 1 0	1 0 1 1 0	1 0 1! 0 0	0 1 0 0 1

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Volume Module:

Base Vol:	72 715	0	50 945	119	224	5	29	28	15	27
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
Initial Bse:	72 715	0	50 945	119	224	5	29	28	15	27
User Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	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	1.00 1.00	1.00
PHF Volume:	72 715	0	50 945	119	224	5	29	28	15	27
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	72 715	0	50 945	119	224	5	29	28	15	27
PCE Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	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	1.00 1.00	1.00
FinalVolume:	72 715	0	50 945	119	224	5	29	28	15	27

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Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
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	0.00	1.00 1.78	0.22	1.74 0.04	0.22	0.65 0.35	1.00
Final Sat.:	1450 2900	0	1450 2576	324	2518	56	326	944 506

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Capacity Analysis Module:

Vol/Sat:	0.05 0.25	0.00	0.03 0.37	0.37	0.09 0.09	0.09	0.03 0.03	0.02
Crit Volume:	72	532	129	43				
Crit Moves:	****	****	****	****				

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #66 Lead Hill Blvd & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.752
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 75 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	1	2	0	2	0	0	1

Volume Module:

Base Vol:	0	628	273	509	646	0	0	0	0	414	0	814
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	628	273	509	646	0	0	0	0	414	0	814
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	628	273	509	646	0	0	0	0	414	0	814
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	628	273	509	646	0	0	0	0	414	0	814
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	628	273	509	646	0	0	0	0	414	0	814

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	2.00	1.00	2.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	3000	3000	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.21	0.18	0.17	0.22	0.00	0.00	0.00	0.00	0.14	0.00	0.54
Crit Volume:	314			0			0			814		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #67 Roseville Square Dwy & Harding Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.558
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	112	606	9	31	785	40	147	19	105	110	8	44
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	112	606	9	31	785	40	147	19	105	110	8	44
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	112	606	9	31	785	40	147	19	105	110	8	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	606	9	31	785	40	147	19	105	110	8	44
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	112	606	9	31	785	40	147	19	105	110	8	44

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.97	0.03	1.00	1.90	0.10	0.89	0.11	1.00	0.93	0.07	1.00
Final Sat.:	1450	2858	42	1450	2759	141	1284	166	1450	1352	98	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.21	0.21	0.02	0.28	0.28	0.11	0.11	0.07	0.08	0.08	0.03
Crit Volume:	112			413			166			118		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #68 Junction Blvd & Stonecrest Dr/Magenta Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.208
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	1	0	2	1	0	2

Volume Module:

Base Vol:	1	7	12	89	7	38	120	196	12	9	155	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	7	12	89	7	38	120	196	12	9	155	101
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	7	12	89	7	38	120	196	12	9	155	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	7	12	89	7	38	120	196	12	9	155	101
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	7	12	89	7	38	120	196	12	9	155	101

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.12	0.88	1.00	0.93	0.07	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	181	1269	1450	1344	106	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.07	0.07	0.03	0.08	0.07	0.01	0.01	0.05	0.07
Crit Volume:	8			96			120			78		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #69 Junction Blvd & Americana Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.000
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	1	0	1	0	2

Volume Module:

Base Vol:	81	0	54	0	3	0	1	396	48	81	710	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	81	0	54	0	3	0	1	396	48	81	710	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	54	0	3	0	1	396	48	81	710	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	0	54	0	3	0	1	396	48	81	710	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:	81	0	54	0	3	0	1	396	48	81	710	0

Saturation Flow Module:

Sat/Lane:	0	0	0	0	0	0	0	0	0	0	0	0
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Final Sat.:	0	0	0	0	0	0	0	0	0	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	0			0			0			0		
Crit Moves:												

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #70 Baseline Rd & Junction Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.373
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ovl Ignore Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 0 0 0 2 0 0 2 0 1

Volume Module:
Base Vol: 0 0 0 55 0 151 207 505 0 0 354 195
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 55 0 151 207 505 0 0 354 195
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
PHF Volume: 0 0 0 55 0 151 207 505 0 0 354 195
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 55 0 151 207 505 0 0 354 195
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
FinalVolume: 0 0 0 55 0 151 207 505 0 0 354 195

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 0.00 1.00 0.00 2.00 1.00 1.00 0.00 0.00 2.00 1.00
Final Sat.: 0 0 0 1500 0 3000 1500 1500 0 0 3000 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.04 0.00 0.05 0.14 0.34 0.00 0.00 0.12 0.13
Crit Volume: 0 55 505 0
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #71 Junction Blvd & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.379
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0

Volume Module:
Base Vol: 134 195 22 57 43 42 33 305 23 46 441 45
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 134 195 22 57 43 42 33 305 23 46 441 45
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 134 195 22 57 43 42 33 305 23 46 441 45
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 134 195 22 57 43 42 33 305 23 46 441 45
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: 134 195 22 57 43 42 33 305 23 46 441 45

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 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 0.90 0.10 1.00 0.51 0.49 1.00 1.86 0.14 1.00 1.81 0.19
Final Sat.: 1450 1303 147 1450 734 716 1450 2697 203 1450 2631 269

Capacity Analysis Module:
Vol/Sat: 0.09 0.15 0.15 0.04 0.06 0.06 0.02 0.11 0.11 0.03 0.17 0.17
Crit Volume: 217 57 33 243
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #72 Junction Blvd & Park Regency Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.300
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	13	92	91	118	49	20	43	303	13	74	334	57
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	92	91	118	49	20	43	303	13	74	334	57
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	92	91	118	49	20	43	303	13	74	334	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	92	91	118	49	20	43	303	13	74	334	57
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	13	92	91	118	49	20	43	303	13	74	334	57

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.06	0.06	0.08	0.03	0.01	0.03	0.10	0.01	0.05	0.12	0.04
Crit Volume:	92			118			152			74		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #73 Junction Blvd & Porter Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.356
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	34	16	115	27	15	26	24	458	14	106	787	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	16	115	27	15	26	24	458	14	106	787	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	16	115	27	15	26	24	458	14	106	787	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	16	115	27	15	26	24	458	14	106	787	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	34	16	115	27	15	26	24	458	14	106	787	13

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.68	0.32	1.00	0.64	0.36	1.00	1.00	1.94	0.06	1.00	1.97	0.03
Final Sat.:	986	464	1450	932	518	1450	1450	2814	86	1450	2853	47

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.08	0.03	0.03	0.02	0.02	0.16	0.16	0.07	0.28	0.28
Crit Volume:	50			42			24			400		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #74 Junction Blvd & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.270
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	48	0	48	10	411	0	0	657	38
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	48	0	48	10	411	0	0	657	38
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	48	0	48	10	411	0	0	657	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	48	0	48	10	411	0	0	657	38
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	48	0	48	10	411	0	0	657	38

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.89	0.11
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2836	164

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.03	0.01	0.14	0.00	0.00	0.23	0.23
Crit Volume:	0			48			10			348		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #75 Junction Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.500
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	1	0	2	0	0	1	1	0	1

Volume Module:

Base Vol:	627	601	0	5	558	237	256	0	269	3	3	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	627	601	0	5	558	237	256	0	269	3	3	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	627	601	0	5	558	237	256	0	0	3	3	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	627	601	0	5	558	237	256	0	0	3	3	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	627	601	0	5	558	237	256	0	0	3	3	2

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	2.00	1.00	2.00	0.00	1.00	1.00	0.60	0.40
Final Sat.:	2900	2900	0	1450	2900	1450	2900	0	1450	1450	870	580

Capacity Analysis Module:

Vol/Sat:	0.22	0.21	0.00	0.00	0.19	0.16	0.09	0.00	0.00	0.00	0.00	0.00
Crit Volume:	314			279			128			5		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #76 Junction Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.291
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	2	0	2	0

Volume Module:

Base Vol:	49	240	130	239	241	16	31	251	39	113	255	400
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	240	130	239	241	16	31	251	39	113	255	400
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	49	240	0	239	241	0	31	251	0	113	255	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	240	0	239	241	0	31	251	0	113	255	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	49	240	0	239	241	0	31	251	0	113	255	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.08	0.00	0.08	0.08	0.00	0.01	0.09	0.00	0.04	0.09	0.00
Crit Volume:	120			120			126			57		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #77 Lead Hill Blvd & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.774
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 101 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	1	1	0	2

Volume Module:

Base Vol:	452	627	63	146	577	163	107	346	272	209	536	137
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	452	627	63	146	577	163	107	346	272	209	536	137
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:	452	627	63	146	577	163	107	346	272	209	536	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	452	627	63	146	577	163	107	346	272	209	536	137
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:	452	627	63	146	577	163	107	346	272	209	536	137

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2635	265	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.31	0.24	0.24	0.10	0.20	0.11	0.07	0.12	0.19	0.14	0.18	0.09
Crit Volume:	452			289			173			209		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #78 Lead Hill Blvd & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.576
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 54 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	395	507	71	14	428	104	58	225	291	114	304	32
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	395	507	71	14	428	104	58	225	291	114	304	32
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	395	507	0	14	428	0	58	225	0	114	304	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	395	507	0	14	428	0	58	225	0	114	304	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	395	507	0	14	428	0	58	225	0	114	304	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.27	0.17	0.00	0.01	0.15	0.00	0.04	0.08	0.00	0.08	0.10	0.00
Crit Volume:	395			214			113			114		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #79 Lead Hill Blvd & Wal-Mart Dwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.339
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	2	0	1	1

Volume Module:

Base Vol:	140	0	54	0	0	0	0	498	142	119	685	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	0	54	0	0	0	0	498	142	119	685	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:	140	0	54	0	0	0	0	498	142	119	685	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	0	54	0	0	0	0	498	142	119	685	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:	140	0	54	0	0	0	0	498	142	119	685	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.09	0.00	0.04	0.00	0.00	0.00	0.00	0.17	0.09	0.08	0.23	0.00
Crit Volume:	140			0			249			119		
Crit Moves:	****						****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #80 N. Sunrise Ave & Automall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.391
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R		L	T	R		L	T	R		L	T	R	
Control:	Protected				Protected				Split Phase				Split Phase			
Rights:	Include				Ovl				Ovl				Ovl			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lanes:	1	0	2	1	0	1	0	3	0	1	1	0	0	1	0	

Volume Module:

Base Vol:	75	383	35	153	522	147	208	8	75	148	18	77
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	75	383	35	153	522	147	208	8	75	148	18	77
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	75	383	35	153	522	147	208	8	75	148	18	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	383	35	153	522	147	208	8	75	148	18	77
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	75	383	35	153	522	147	208	8	75	148	18	77

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.75	0.25	1.00	3.00	1.00	1.93	0.07	1.00	0.89	0.11	1.00
Final Sat.:	1450	3986	364	1450	4350	1450	2793	107	1450	1293	157	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.10	0.10	0.11	0.12	0.10	0.07	0.07	0.05	0.11	0.11	0.05
Crit Volume:	139			153			108			166		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #81 Stone Point Dr & N. Sunrise Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.212
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R		L	T	R		L	T	R		L	T	R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Ovl				Include				Include				Ovl			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lanes:	0	0	3	0	1	0	3	0	0	0	0	0	2	0	0	

Volume Module:

Base Vol:	0	735	8	26	663	0	0	0	0	23	0	73
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	735	8	26	663	0	0	0	0	23	0	73
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	735	8	26	663	0	0	0	0	23	0	73
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	735	8	26	663	0	0	0	0	23	0	73
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	735	8	26	663	0	0	0	0	23	0	73

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	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.01	0.02	0.15	0.00	0.00	0.00	0.00	0.01	0.00	0.05
Crit Volume:	245			0			0			73		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #82 Sierra Gardens Dr & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.558
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	1	0

Volume Module:

Base Vol:	53	720	37	208	808	54	57	5	63	148	13	359
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	53	720	37	208	808	54	57	5	63	148	13	359
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	53	720	37	208	808	54	57	5	63	148	13	359
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	720	37	208	808	54	57	5	63	148	13	359
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	53	720	37	208	808	54	57	5	63	148	13	359

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.90	0.10	1.00	2.00	1.00	0.92	0.08	1.00	0.92	0.08	1.00
Final Sat.:	1450	2758	142	1450	2900	1450	1333	117	1450	1333	117	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.26	0.26	0.14	0.28	0.04	0.04	0.04	0.04	0.11	0.11	0.25
Crit Volume:	379			208			62			161		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #83 Olympus Dr & Europa St

Cycle (sec): 100 Critical Vol./Cap.(X): 0.118
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	4	1	4	6	0	5	4	278	18	3	225	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	1	4	6	0	5	4	278	18	3	225	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	4	1	4	6	0	5	4	278	18	3	225	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	1	4	6	0	5	4	278	18	3	225	8
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:	4	1	4	6	0	5	4	278	18	3	225	8

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.45	0.11	0.44	0.55	0.00	0.45	1.00	1.88	0.12	1.00	1.93	0.07
Final Sat.:	644	161	644	791	0	659	1450	2724	176	1450	2800	100

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.10	0.10	0.00	0.08	0.08
Crit Volume:	9			11			148			3		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #84 PFE Rd & Hilltop Cir

Cycle (sec): 100 Critical Vol./Cap.(X): 0.314
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Split Phase Split Phase Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0

Volume Module:
Base Vol: 2 0 4 32 0 11 26 291 5 2 374 20
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 2 0 4 32 0 11 26 291 5 2 374 20
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 2 0 4 32 0 11 26 291 5 2 374 20
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 2 0 4 32 0 11 26 291 5 2 374 20
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 2 0 4 32 0 11 26 291 5 2 374 20

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 1.00 1.00 0.00 1.00 1.00 0.98 0.02 1.00 0.95 0.05
Final Sat.: 1450 0 1450 1450 0 1450 1450 1426 24 1450 1376 74

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.02 0.00 0.01 0.02 0.20 0.20 0.00 0.27 0.27
Crit Volume: 4 32 26 394
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #85 Fairway Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.665
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 68 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ovl Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 3 0 1 2 0 3 0 1 2 0 2 0 1 2 0 2 0 1

Volume Module:
Base Vol: 551 927 490 94 622 121 190 386 330 577 423 115
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 551 927 490 94 622 121 190 386 330 577 423 115
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 551 927 490 94 622 121 190 386 330 577 423 115
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 551 927 490 94 622 121 190 386 330 577 423 115
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 551 927 490 94 622 121 190 386 330 577 423 115

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 3.00 1.00 2.00 3.00 1.00 2.00 2.00 1.00 2.00 2.00 1.00
Final Sat.: 2900 4350 1450 2900 4350 1450 2900 2900 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.19 0.21 0.34 0.03 0.14 0.08 0.07 0.13 0.23 0.20 0.15 0.08
Crit Volume: 276 207 193 289
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #86 Pleasant Grove Blvd & Fiddymment Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.444
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	211	876	365	129	583	21	22	185	113	389	326	238
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	211	876	365	129	583	21	22	185	113	389	326	238
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	211	876	0	129	583	0	22	185	0	389	326	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	211	876	0	129	583	0	22	185	0	389	326	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	211	876	0	129	583	0	22	185	0	389	326	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.20	0.00	0.04	0.13	0.00	0.01	0.06	0.00	0.13	0.11	0.00
Crit Volume:	292			65			93			195		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #87 Pleasant Grove Blvd & Gold Coast Dr/Hallissy Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.548
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	1	0	3	0	1	1

Volume Module:

Base Vol:	41	46	30	69	13	19	15	1755	19	83	1993	107
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	41	46	30	69	13	19	15	1755	19	83	1993	107
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	41	46	0	69	13	0	15	1755	0	83	1993	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	41	46	0	69	13	0	15	1755	0	83	1993	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Final Volume:	41	46	0	69	13	0	15	1755	0	83	1993	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.00	0.05	0.01	0.00	0.01	0.40	0.00	0.06	0.46	0.00
Crit Volume:	46			69			15			664		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #88 Highland Park Dr & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.409
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ovl Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 3 0 1 1 0 2 0 1 1 0 0 1 0 1 0 0 1 0

Volume Module:
Base Vol: 78 917 88 80 632 1 10 14 35 158 34 83
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 78 917 88 80 632 1 10 14 35 158 34 83
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: 78 917 88 80 632 1 10 14 35 158 34 83
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 78 917 88 80 632 1 10 14 35 158 34 83
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 78 917 88 80 632 1 10 14 35 158 34 83

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 3.00 1.00 1.00 2.00 1.00 1.00 0.29 0.71 1.00 0.29 0.71
Final Sat.: 1450 4350 1450 1450 2900 1450 1450 414 1036 1450 421 1029

Capacity Analysis Module:
Vol/Sat: 0.05 0.21 0.06 0.06 0.22 0.00 0.01 0.03 0.03 0.11 0.08 0.08
Crit Volume: 306 80 49 158
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #89 Market St & Pleasant Grove Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.204
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Split Phase Split Phase Protected Protected
Rights: Ovl Include Ovl Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 1 0 0 1 0 0 1! 0 0 1 0 2 0 1 1 0 1 1 0

Volume Module:
Base Vol: 6 1 48 20 52 37 3 24 1 74 187 168
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 6 1 48 20 52 37 3 24 1 74 187 168
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: 6 1 48 20 52 37 3 24 1 74 187 168
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 6 1 48 20 52 37 3 24 1 74 187 168
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: 6 1 48 20 52 37 3 24 1 74 187 168

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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: 0.86 0.14 1.00 0.18 0.48 0.34 1.00 2.00 1.00 1.00 1.05 0.95
Final Sat.: 1243 207 1450 266 692 492 1450 2900 1450 1450 1528 1372

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.03 0.08 0.08 0.08 0.00 0.01 0.00 0.05 0.12 0.12
Crit Volume: 7 109 3 178
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #90 Pleasant Grove Blvd & Michener Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	54	0	23	12	825	0	0	1208	130
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	54	0	23	12	825	0	0	1208	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:	0	0	0	54	0	23	12	825	0	0	1208	130
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	54	0	23	12	825	0	0	1208	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:	0	0	0	54	0	23	12	825	0	0	1208	130

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	0.00	1.81	0.19
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	0	2709	291

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.02	0.01	0.28	0.00	0.00	0.45	0.45
Crit Volume:	0	54	12	669								
Crit Moves:	****	****	****	****								

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #91 Pleasant Grove Blvd & Monument Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.219
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 1! 0 0	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	13	6	26	28	0	5	0	186	4	149	375	59
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	6	26	28	0	5	0	186	4	149	375	59
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	6	26	28	0	5	0	186	4	149	375	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	6	26	28	0	5	0	186	4	149	375	59
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	13	6	26	28	0	5	0	186	4	149	375	59

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.29	0.13	0.58	1.00	0.00	1.00	1.00	1.96	0.04	1.00	2.00	1.00
Final Sat.:	419	193	838	1450	0	1450	1450	2839	61	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.02	0.00	0.00	0.00	0.07	0.07	0.10	0.13	0.04
Crit Volume:	45	28	95	149								
Crit Moves:	****	****	****	****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #92 Pleasant Grove Blvd & Rose Creek Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.460
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Split Phase Split Phase Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 0 0 1 0 0 1 0

Volume Module:
Base Vol: 0 0 0 57 0 8 13 762 0 0 1174 50
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 57 0 8 13 762 0 0 1174 50
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 57 0 8 13 762 0 0 1174 50
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 57 0 8 13 762 0 0 1174 50
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 57 0 8 13 762 0 0 1174 50

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 0.00 0.88 0.00 0.12 1.00 2.00 0.00 0.00 1.92 0.08
Final Sat.: 0 0 0 1315 0 185 1500 3000 0 0 2877 123

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.04 0.00 0.04 0.01 0.25 0.00 0.00 0.41 0.41
Crit Volume: 0 65 13 612
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #93 Pleasant Grove Blvd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.814
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 123 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ignore Ignore Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 3 0 2 0 1 2 0 3 0 1 2 0 3 0 1

Volume Module:
Base Vol: 1096 622 815 178 401 31 54 987 696 705 1268 150
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 1096 622 815 178 401 31 54 987 696 705 1268 150
User Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 1096 622 0 178 401 0 54 987 0 705 1268 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 1096 622 0 178 401 0 54 987 0 705 1268 0
PCE Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 1096 622 0 178 401 0 54 987 0 705 1268 0

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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: 3.00 2.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.: 4350 2900 1450 2900 4350 1450 2900 4350 1450 2900 4350 1450

Capacity Analysis Module:
Vol/Sat: 0.25 0.21 0.00 0.06 0.09 0.00 0.02 0.23 0.00 0.24 0.29 0.00
Crit Volume: 365 134 329 353
Crit Moves: **** **** **** ****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #94 Pleasant Grove Blvd & Sun City Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.371
Loss Time (sec):	9	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	30	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	0 0 2 0 1

Volume Module:

Base Vol:	0 0 0	90 0 13	19 684 0	0 0 894 244
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 0 0	90 0 13	19 684 0	0 0 894 244
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	90 0 13	19 684 0	0 0 894 244
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0 0
Reduced Vol:	0 0 0	90 0 13	19 684 0	0 0 894 244
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	90 0 13	19 684 0	0 0 894 244

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 0.00	1.00 0.00 1.00	1.00 2.00 0.00	0.00 2.00 1.00
Final Sat.:	0 0 0	1500 0 1500	1500 3000 0	0 3000 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.00 0.00	0.06 0.00 0.01	0.01 0.23 0.00	0.00 0.30 0.16
Crit Volume:	0	90	19	447
Crit Moves:	****	****	****	****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #95 Highland Pointe Dr & Pleasant Grove Blvd

Cycle (sec):	120	Critical Vol./Cap.(X):	0.729
Loss Time (sec):	12	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	84	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 1 0	2 0 3 0 1	2 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	334 1561 5	133 1582 196	465 4 333	141 31 196
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	334 1561 5	133 1582 196	465 4 333	141 31 196
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:	334 1561 5	133 1582 196	465 4 333	141 31 196
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0 0
Reduced Vol:	334 1561 5	133 1582 196	465 4 333	141 31 196
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:	334 1561 5	133 1582 196	465 4 333	141 31 196

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 3.99 0.01	2.00 3.00 1.00	2.00 1.00 1.00	1.00 1.00 1.00
Final Sat.:	2900 5781 19	2900 4350 1450	2900 1450 1450	1450 1450 1450

Capacity Analysis Module:

Vol/Sat:	0.12 0.27 0.27	0.05 0.36 0.14	0.16 0.00 0.23	0.10 0.02 0.14
Crit Volume:	167	527	232	196
Crit Moves:	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #96 Pleasant Grove Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.674
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 70 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	3	0	2	0

Volume Module:

Base Vol:	161	378	333	116	407	332	150	1366	169	297	1694	54
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	161	378	333	116	407	332	150	1366	169	297	1694	54
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	161	378	0	116	407	332	150	1366	169	297	1694	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	161	378	0	116	407	332	150	1366	169	297	1694	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	161	378	0	116	407	332	150	1366	169	297	1694	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.13	0.00	0.04	0.14	0.23	0.05	0.31	0.12	0.10	0.39	0.00
Crit Volume:	81			332			0			565		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #97 Pleasant Grove Blvd & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.584
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	19	0	198	0	0	0	0	992	34	120	1685	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	19	0	198	0	0	0	0	992	34	120	1685	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:	19	0	198	0	0	0	0	992	34	120	1685	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	0	198	0	0	0	0	992	34	120	1685	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:	19	0	198	0	0	0	0	992	34	120	1685	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.93	0.07	1.00	2.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	3046	104	1575	3150	0

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.13	0.00	0.00	0.00	0.00	0.33	0.33	0.08	0.53	0.00
Crit Volume:			198				0			843		
Crit Moves:			****				****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #98 Pleasant Grove Blvd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.644
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 64 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	2	0	2	0	2	0

Volume Module:

Base Vol:	481	421	105	258	293	150	103	664	152	326	992	344
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	481	421	105	258	293	150	103	664	152	326	992	344
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	481	421	0	258	293	0	103	664	0	326	992	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	481	421	0	258	293	0	103	664	0	326	992	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	481	421	0	258	293	0	103	664	0	326	992	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.15	0.00	0.09	0.10	0.00	0.04	0.23	0.00	0.11	0.34	0.00
Crit Volume:	240			147			52			496		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #99 Maidu Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.408
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	6	724	22	62	1125	13	10	3	5	49	5	54
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	724	22	62	1125	13	10	3	5	49	5	54
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:	6	724	22	62	1125	13	10	3	5	49	5	54
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	724	22	62	1125	13	10	3	5	49	5	54
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:	6	724	22	62	1125	13	10	3	5	49	5	54

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.94	0.06	1.00	1.98	0.02	0.55	0.17	0.28	0.91	0.09	1.00
Final Sat.:	1575	3057	93	1575	3114	36	875	263	438	1429	146	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.24	0.24	0.04	0.36	0.36	0.01	0.01	0.01	0.03	0.03	0.03
Crit Volume:	6			569			18			49		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #100 McLaren Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.366
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	1	0	2	0	0	0	0	0	1

Volume Module:

Base Vol:	0	699	17	92	1083	0	0	0	0	35	0	79
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	699	17	92	1083	0	0	0	0	35	0	79
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	699	17	92	1083	0	0	0	0	35	0	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	699	17	92	1083	0	0	0	0	35	0	79
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	699	17	92	1083	0	0	0	0	35	0	79

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	1.95	0.05	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3075	75	1575	3150	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.23	0.23	0.06	0.34	0.00	0.00	0.00	0.00	0.02	0.00	0.05
Crit Volume:	0			542		0				35		
Crit Moves:	****			****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #101 Professional Dr & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.529
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 48 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	1	0	1

Volume Module:

Base Vol:	35	690	22	40	972	24	6	22	141	148	30	155
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	35	690	22	40	972	24	6	22	141	148	30	155
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	35	690	22	40	972	0	6	22	141	148	30	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	690	22	40	972	0	6	22	141	148	30	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	35	690	22	40	972	0	6	22	141	148	30	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.94	0.06	1.00	2.00	1.00	0.21	0.79	1.00	0.83	0.17	1.00
Final Sat.:	1523	2951	94	1523	3045	1523	326	1196	1523	1266	257	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.23	0.23	0.03	0.32	0.00	0.02	0.02	0.09	0.12	0.12	0.00
Crit Volume:	0			486			141		178			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #102 Rocky Ridge Dr & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.145
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	0 0 0 0 0	1 0 0 0 1	1 0 2 0 0	1 0 2 0 1

Volume Module:

Base Vol:	0	0	0	31	0	30	19	357	0	0	336	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	31	0	30	19	357	0	0	336	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:	0	0	0	31	0	30	19	357	0	0	336	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	31	0	30	19	357	0	0	336	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	31	0	30	19	357	0	0	336	9

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	0.00	1.00	0.00	1.00	1.00	2.00	0.00	1.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	3000	0	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.12	0.00	0.00	0.11	0.01
Crit Volume:	0			31			19				168	
Crit Moves:				****			****				****	

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #103 Roseville Pkwy & Chase Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.465
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Include	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	50	0	81	0	0	0	0	1535	73	139	2046	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	50	0	81	0	0	0	0	1535	73	139	2046	0
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:	50	0	0	0	0	0	0	1535	73	139	2046	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	0	0	0	0	0	0	1535	73	139	2046	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	50	0	0	0	0	0	0	1535	73	139	2046	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	1.00	1.00	3.00	0.00
Final Sat.:	1575	0	1575	0	0	0	0	4725	1575	1575	4725	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.05	0.09	0.43	0.00
Crit Volume:	50			0			0				682	
Crit Moves:	****						****				****	

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #104 Roseville Pkwy & Creekside Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.699
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0 0 1	1	1	0 0 1	1	0	3 0 1	1	0	3 0 1

Volume Module:

Base Vol:	22	8	15	355	4	120	71	1571	8	46	2397	348
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	8	15	355	4	120	71	1571	8	46	2397	348
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:	22	8	15	355	4	120	71	1571	8	46	2397	348
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	8	15	355	4	120	71	1571	8	46	2397	348
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	22	8	15	355	4	120	71	1571	8	46	2397	348

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.47	0.53	1.00	1.98	0.02	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	2233	812	1523	3011	34	1523	1523	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.12	0.12	0.08	0.05	0.34	0.01	0.03	0.52	0.23
Crit Volume:	15			180			71			799		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #105 Roseville Pkwy & Gibson Dr East

Cycle (sec): 120 Critical Vol./Cap.(X): 0.544
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0 1 0	2	1	0 0 1	1	0	3 0 1	1	0	3 0 1

Volume Module:

Base Vol:	3	2	15	229	2	28	19	1595	0	19	2148	189
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	2	15	229	2	28	19	1595	0	19	2148	189
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	3	2	15	229	2	0	19	1595	0	19	2148	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	2	15	229	2	0	19	1595	0	19	2148	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	3	2	15	229	2	0	19	1595	0	19	2148	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	0.12	0.88	2.97	0.03	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1523	179	1343	4528	40	1523	1523	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.01	0.05	0.05	0.00	0.01	0.35	0.00	0.01	0.47	0.00
Crit Volume:	17			77			19			716		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #106 Roseville Pkwy & N. Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.759
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 95 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Ignore			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	3	0	1	0	1	0	2	0	3	0	1	2

Volume Module:

Base Vol:	553	79	235	45	170	331	100	1559	315	165	2090	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	553	79	235	45	170	331	100	1559	315	165	2090	25
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	553	79	0	45	170	331	100	1559	0	165	2090	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	553	79	0	45	170	331	100	1559	0	165	2090	25
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	553	79	0	45	170	331	100	1559	0	165	2090	25

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	4350	1450	1450	1450	1450	2900	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.05	0.00	0.03	0.12	0.11	0.03	0.36	0.00	0.06	0.48	0.02
Crit Volume:	184			170			50			697		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #107 Roseville Pkwy & Reserve Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.640
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	1	0	0	1	1	2	0	3	0	1	2

Volume Module:

Base Vol:	300	27	288	154	26	76	39	1484	256	228	1934	182
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	300	27	288	154	26	76	39	1484	256	228	1934	182
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	300	27	288	154	26	0	39	1484	256	228	1934	182
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	300	27	288	154	26	0	39	1484	256	228	1934	182
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	300	27	288	154	26	0	39	1484	256	228	1934	182

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.83	0.17	1.00	1.71	0.29	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2661	239	1450	2481	419	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.20	0.06	0.06	0.00	0.01	0.34	0.18	0.08	0.44	0.13
Crit Volume:			288	90			20			645		
Crit Moves:	****	****		****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #108 Roseville Pkwy & Secret Ravine Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.604
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Ovl	Include	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 1 0 1	1 1 0 0 2	2 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	1	1	0	121	0	482	479	1354	4	14	1854	111
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	1	0	121	0	482	479	1354	4	14	1854	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:	1	1	0	121	0	482	479	1354	4	14	1854	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	1	0	121	0	482	479	1354	4	14	1854	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:	1	1	0	121	0	482	479	1354	4	14	1854	111

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.00	1.00	2.00	0.00	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1523	1523	1523	3045	0	3045	3045	4554	13	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.16	0.16	0.30	0.30	0.01	0.41	0.07
Crit Volume:	1	1	0	61	0	240	240	618	618	1	618	1
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #109 Roseville Pkwy & Taylor Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.788
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 108 Level Of Service: C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	521	271	172	294	134	166	154	1520	271	256	2150	564
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	521	271	172	294	134	166	154	1520	271	256	2150	564
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:	521	271	172	294	134	166	154	1520	271	256	2150	564
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	521	271	172	294	134	166	154	1520	271	256	2150	564
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:	521	271	172	294	134	166	154	1520	271	256	2150	564

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.18	0.09	0.12	0.10	0.05	0.11	0.05	0.35	0.19	0.09	0.49	0.39
Crit Volume:	261	166	0	166	0	717	717	166	166	717	166	166
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #110 West Mall Dwy & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.588
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 55 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	2	0	3	0	1	0

Volume Module:

Base Vol:	24	4	19	138	2	240	188	1614	28	33	2111	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	24	4	19	138	2	240	188	1614	28	33	2111	119
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	4	19	138	2	0	188	1614	28	33	2111	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	4	19	138	2	0	188	1614	28	33	2111	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	24	4	19	138	2	0	188	1614	28	33	2111	119

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.86	0.14	1.00	1.97	0.03	1.00	2.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1305	218	1523	3002	44	1523	3045	4568	1523	1523	4568	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.01	0.05	0.05	0.00	0.06	0.35	0.02	0.02	0.46	0.08
Crit Volume:	28			70			94			704		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #111 Alexandra Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.495
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	0	3	0	0	0	0	0

Volume Module:

Base Vol:	0	1868	128	90	1354	0	0	0	0	67	0	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1868	128	90	1354	0	0	0	0	67	0	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1868	128	90	1354	0	0	0	0	67	0	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1868	128	90	1354	0	0	0	0	67	0	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1868	128	90	1354	0	0	0	0	67	0	60

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	3.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	4725	1575	1575	4725	0	0	0	0	1575	0	1575

Capacity Analysis Module:

Vol/Sat:	0.00	0.40	0.08	0.06	0.29	0.00	0.00	0.00	0.00	0.04	0.00	0.04
Crit Volume:	623			90			0			67		
Crit Moves:	****			****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #112 Eureka Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.642
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 64 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	0	2	0	1	1	0

Volume Module:

Base Vol:	252	527	44	131	655	35	34	274	554	49	262	107
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	252	527	44	131	655	35	34	274	554	49	262	107
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:	252	527	44	131	655	35	34	274	554	49	262	107
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	252	527	44	131	655	35	34	274	554	49	262	107
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:	252	527	44	131	655	35	34	274	554	49	262	107

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.18	0.03	0.09	0.23	0.02	0.02	0.09	0.38	0.03	0.09	0.07
Crit Volume:	0			328			554		49			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #113 Lead Hill Blvd/Orvieto Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.454
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	0	3	0	1	0	1

Volume Module:

Base Vol:	119	1582	8	13	1228	63	130	24	172	5	21	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	119	1582	8	13	1228	63	130	24	172	5	21	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:	119	1582	8	13	1228	63	130	24	172	5	21	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	1582	8	13	1228	63	130	24	172	5	21	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:	119	1582	8	13	1228	63	130	24	172	5	21	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	1523	1523	1523	1523	0

Capacity Analysis Module:

Vol/Sat:	0.08	0.35	0.01	0.01	0.27	0.04	0.09	0.02	0.11	0.00	0.01	0.00
Crit Volume:	527			13			130		21			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #114 Roseville Pkwy & N. Cirby Way

Cycle (sec): 120 Critical Vol./Cap.(X): 0.475
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	57	0	89	0	0	0	0	1130	46	68	750	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	57	0	89	0	0	0	0	1130	46	68	750	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	0	89	0	0	0	0	1130	46	68	750	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	57	0	89	0	0	0	0	1130	46	68	750	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:	57	0	89	0	0	0	0	1130	46	68	750	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.92	0.08	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2883	117	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.39	0.39	0.05	0.25	0.00
Crit Volume:	57			0			588		68			
Crit Moves:	****						****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #115 Olympus Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.553
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	0	1	0	2	1	0	1

Volume Module:

Base Vol:	9	1368	110	207	1348	44	87	41	99	39	60	207
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	1368	110	207	1348	44	87	41	99	39	60	207
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	9	1368	0	207	1348	44	87	41	99	39	60	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	1368	0	207	1348	44	87	41	99	39	60	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	9	1368	0	207	1348	44	87	41	99	39	60	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	2.91	0.09	1.00	0.29	0.71	1.00	2.00	1.00
Final Sat.:	1523	4568	1523	1523	4423	144	1523	446	1077	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.01	0.30	0.00	0.14	0.30	0.30	0.06	0.09	0.09	0.03	0.02	0.00
Crit Volume:	456			207			140		39			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #116 Rocky Ridge Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.453
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	0	3	0	0	3	0	0	3

Volume Module:

Base Vol:	46	1679	0	0	1195	229	307	0	106	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	46	1679	0	0	1195	229	307	0	106	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:	46	1679	0	0	1195	229	307	0	106	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	1679	0	0	1195	229	307	0	106	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	46	1679	0	0	1195	229	307	0	106	0	0	0

Saturation Flow Module:

Sat/Lane:	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	0.00	0.00	3.00	1.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	1575	4725	0	0	4725	1575	3150	0	1575	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.36	0.00	0.00	0.25	0.15	0.10	0.00	0.07	0.00	0.00	0.00
Crit Volume:	560			0			154			0		
Crit Moves:	****			****			****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #117 Roseville Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.635
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 62 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	2	0	1	0	2	0	1	0

Volume Module:

Base Vol:	537	943	41	116	877	46	117	318	726	53	193	75
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	537	943	41	116	877	46	117	318	726	53	193	75
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	537	943	0	116	877	0	117	318	0	53	193	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	537	943	0	116	877	0	117	318	0	53	193	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	537	943	0	116	877	0	117	318	0	53	193	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.33	0.00	0.08	0.30	0.00	0.08	0.11	0.00	0.04	0.07	0.00
Crit Volume:	269			439			117			97		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #118 Trestle Rd & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.250
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	0	1

Volume Module:

Base Vol:	143	537	19	2	371	13	12	3	76	16	2	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	143	537	19	2	371	13	12	3	76	16	2	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	143	537	19	2	371	13	12	3	76	16	2	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	143	537	19	2	371	13	12	3	76	16	2	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	143	537	19	2	371	13	12	3	76	16	2	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.80	0.20	1.00	0.84	0.11	0.05
Final Sat.:	1450	2900	1450	1450	2900	1450	1160	290	1450	1221	153	76

Capacity Analysis Module:

Vol/Sat:	0.10	0.19	0.01	0.00	0.13	0.01	0.01	0.01	0.05	0.01	0.01	0.01
Crit Volume:	143			185			15			19		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #119 Village Dr & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.360
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	98	828	19	25	566	9	27	4	13	35	4	68
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	98	828	19	25	566	9	27	4	13	35	4	68
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	98	828	19	25	566	9	27	4	13	35	4	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	828	19	25	566	9	27	4	13	35	4	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	98	828	19	25	566	9	27	4	13	35	4	68

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.97	0.03	0.87	0.13	1.00	0.90	0.10	1.00
Final Sat.:	1450	2835	65	1450	2855	45	1263	187	1450	1301	149	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.29	0.29	0.02	0.20	0.20	0.02	0.02	0.01	0.03	0.03	0.05
Crit Volume:	424			0			31			68		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #120 Roseville Pkwy & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.667
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 68 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ignore			Ovl			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	2	0	0

Volume Module:

Base Vol:	4	406	67	330	913	9	24	1	20	50	0	480
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	406	67	330	913	9	24	1	20	50	0	480
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	4	406	0	330	913	9	24	1	20	50	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	406	0	330	913	9	24	1	20	50	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	4	406	0	330	913	9	24	1	20	50	0	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.96	0.04	1.00	2.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	1450	1450	1392	58	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.14	0.00	0.23	0.63	0.01	0.02	0.02	0.01	0.02	0.00	0.00
Crit Volume:	4			913			25			25		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #121 S Cirby Way & Champion Oaks Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.490
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	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
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	0	1	1	0	1

Volume Module:

Base Vol:	46	10	9	14	8	79	54	590	45	30	553	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	46	10	9	14	8	79	54	590	45	30	553	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	46	10	9	14	8	79	54	590	45	30	553	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	10	9	14	8	79	54	590	45	30	553	8
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	46	10	9	14	8	79	54	590	45	30	553	8

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	0.71	0.15	0.14	0.64	0.36	1.00	1.00	1.00	1.00	1.00	1.97	0.03
Final Sat.:	1026	223	201	923	527	1450	1450	1450	1450	1450	2859	41

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.02	0.02	0.05	0.04	0.41	0.03	0.02	0.19	0.19
Crit Volume:	65			79			590			30		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #122 S Cirby Way & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.647
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 1 0 1 1 0 1 0 0 0 0 1 0 0 0 1

Volume Module:
Base Vol: 0 321 251 368 429 0 0 0 0 282 0 374
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 321 251 368 429 0 0 0 0 282 0 374
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: 0 321 251 368 429 0 0 0 0 282 0 374
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 321 251 368 429 0 0 0 0 282 0 374
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: 0 321 251 368 429 0 0 0 0 282 0 374

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 1.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 1.00 0.00 1.00
Final Sat.: 0 1500 1500 1500 1500 0 0 0 0 1500 0 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.21 0.17 0.25 0.29 0.00 0.00 0.00 0.00 0.19 0.00 0.25
Crit Volume: 321 368 0 282
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #123 Secret Ravine Pkwy & Scarborough Dr/ Poppy Field Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.272
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 31 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: 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
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 1 0 0 0 1 0 0 1 1 0 2 0 1 1 0 2 0 1

Volume Module:
Base Vol: 5 1 14 17 0 117 198 291 15 50 319 61
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 5 1 14 17 0 117 198 291 15 50 319 61
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: 5 1 14 17 0 117 198 291 15 50 319 61
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 5 1 14 17 0 117 198 291 15 50 319 61
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: 5 1 14 17 0 117 198 291 15 50 319 61

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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: 0.25 0.05 0.70 1.00 0.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 363 73 1015 1450 0 1450 1450 2900 1450 1450 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.01 0.01 0.01 0.01 0.00 0.08 0.14 0.10 0.01 0.03 0.11 0.04
Crit Volume: 20 17 198 160
Crit Moves: **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #124 Miners Ravine & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.403
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	3	1153	2	4	873	3	2	0	4	2	0	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	1153	2	4	873	3	2	0	4	2	0	4
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	1153	2	4	873	3	2	0	4	2	0	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	1153	2	4	873	3	2	0	4	2	0	4
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:	3	1153	2	4	873	3	2	0	4	2	0	4

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.40	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	577			4			2			2		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #125 Secret Ravine Pkwy & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.464
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	226	929	2	1	728	122	162	0	160	1	1	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	226	929	2	1	728	122	162	0	160	1	1	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	226	929	2	1	728	122	162	0	160	1	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	226	929	2	1	728	122	162	0	160	1	1	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	226	929	2	1	728	122	162	0	160	1	1	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	0.00	1.00	0.50	0.50	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	725	725	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.32	0.00	0.00	0.25	0.08	0.06	0.00	0.11	0.00	0.00	0.00
Crit Volume:	226			364			81			2		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #126 Eureka Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.682
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 72 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	2	1

Volume Module:

Base Vol:	104	1033	28	213	942	158	109	270	43	39	182	205
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	104	1033	28	213	942	158	109	270	43	39	182	205
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	104	1033	0	213	942	0	109	270	0	39	182	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	104	1033	0	213	942	0	109	270	0	39	182	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	104	1033	0	213	942	0	109	270	0	39	182	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	3045	1523

Capacity Analysis Module:

Vol/Sat:	0.07	0.34	0.00	0.14	0.31	0.00	0.07	0.18	0.00	0.03	0.06	0.00
Crit Volume:	517	213		213	270		270	39		39	115	
Crit Moves:	****	****		****	****		****	****		****	****	

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #127 Indigo Creek Apts & Sierra College Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.480
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	119	1246	30	95	1034	51	207	5	177	108	7	89
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	119	1246	30	95	1034	51	207	5	177	108	7	89
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:	119	1246	30	95	1034	51	207	5	177	108	7	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	1246	30	95	1034	51	207	5	177	108	7	89
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:	119	1246	30	95	1034	51	207	5	177	108	7	89

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.95	0.05	1.00	0.94	0.06	1.00
Final Sat.:	1523	4568	1523	1523	4568	1523	2973	72	1523	1430	93	1523

Capacity Analysis Module:

Vol/Sat:	0.08	0.27	0.02	0.06	0.23	0.03	0.07	0.07	0.12	0.08	0.08	0.06
Crit Volume:	415	95		106	115		115	115		115	115	
Crit Moves:	****	****		****	****		****	****		****	****	

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #128 Old Auburn Rd & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.809
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 119 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	302	1302	66	24	1328	268	190	185	220	30	73	99
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	302	1302	66	24	1328	268	190	185	220	30	73	99
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	302	1302	66	24	1328	268	190	185	220	30	73	99
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	302	1302	66	24	1328	268	190	185	220	30	73	99
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:	302	1302	66	24	1328	268	190	185	220	30	73	99

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1523	3045	1523	1523	3045	1523	1523	1523	1523	1523	1523	1523

Capacity Analysis Module:

Vol/Sat:	0.20	0.43	0.04	0.02	0.44	0.18	0.12	0.12	0.14	0.02	0.05	0.07
Crit Volume:	302			664		190						99
Crit Moves:	****			****		****						****

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #129 Olympus Dr & Sierra College Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.413
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	1	0	0	1	0

Volume Module:

Base Vol:	252	1059	12	3	842	39	107	3	227	6	5	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	252	1059	12	3	842	39	107	3	227	6	5	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	252	1059	12	3	842	39	107	3	227	6	5	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	252	1059	12	3	842	39	107	3	227	6	5	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	252	1059	12	3	842	39	107	3	227	6	5	1

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	1.95	0.05	1.00	0.55	0.45	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	2821	79	1450	791	659	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.37	0.01	0.00	0.19	0.03	0.04	0.04	0.16	0.01	0.01	0.00
Crit Volume:	530			3			55					11
Crit Moves:	****			****			****					****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #130 Fairway Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.544
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	191	1060	191	58	734	64	83	269	205	174	130	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	191	1060	191	58	734	64	83	269	205	174	130	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	191	1060	191	58	734	64	83	269	205	174	130	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	191	1060	191	58	734	64	83	269	205	174	130	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	191	1060	191	58	734	64	83	269	205	174	130	17

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	0.88	0.12
Final Sat.:	2900	2900	1450	2900	4350	1450	1450	2900	1450	2900	1282	168

Capacity Analysis Module:

Vol/Sat:	0.07	0.37	0.13	0.02	0.17	0.04	0.06	0.09	0.14	0.06	0.10	0.10
Crit Volume:	530			29			83			147		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #131 Five Star Blvd & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.634
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 62 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	3	0	1	1	0

Volume Module:

Base Vol:	610	1338	308	70	1041	121	120	105	269	311	99	55
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	610	1338	308	70	1041	121	120	105	269	311	99	55
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	610	1338	308	70	1041	121	120	105	269	311	99	55
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	610	1338	308	70	1041	121	120	105	269	311	99	55
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	610	1338	308	70	1041	121	120	105	269	311	99	55

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	1.07	0.93	1.00	2.00	0.64	0.36
Final Sat.:	2900	4350	1450	2900	4350	1450	1547	1353	1450	2900	932	518

Capacity Analysis Module:

Vol/Sat:	0.21	0.31	0.21	0.02	0.24	0.08	0.08	0.08	0.19	0.11	0.11	0.11
Crit Volume:	305			347			113			156		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #132 Highland Park Dr & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.298
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	1	1	0	0	1	0	1

Volume Module:

Base Vol:	45	1054	13	7	744	116	83	16	41	21	8	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	1054	13	7	744	116	83	16	41	21	8	4
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:	45	1054	13	7	744	116	83	16	41	21	8	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	1054	13	7	744	116	83	16	41	21	8	4
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:	45	1054	13	7	744	116	83	16	41	21	8	4

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	0.28	0.72	2.00	0.67	0.33
Final Sat.:	1523	4568	1523	1523	4568	1523	1523	427	1095	3045	1015	508

Capacity Analysis Module:

Vol/Sat:	0.03	0.23	0.01	0.00	0.16	0.08	0.05	0.04	0.04	0.01	0.01	0.01
Crit Volume:	351			7			83			12		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #133 Coloma Way & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.639
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	29	1410	40	81	1474	22	48	13	19	49	8	64
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	1410	40	81	1474	22	48	13	19	49	8	64
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:	29	1410	40	81	1474	22	48	13	19	49	8	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	1410	40	81	1474	22	48	13	19	49	8	64
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:	29	1410	40	81	1474	22	48	13	19	49	8	64

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.97	0.03	1.00	0.41	0.59	1.00	0.11	0.89
Final Sat.:	1450	2820	80	1450	2857	43	1450	589	861	1450	161	1289

Capacity Analysis Module:

Vol/Sat:	0.02	0.50	0.50	0.06	0.52	0.52	0.03	0.02	0.02	0.03	0.05	0.05
Crit Volume:	725			81			48			72		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #134 Sandringham Way/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.521
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 48 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	28	1380	21	15	1419	7	22	0	12	30	0	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	1380	21	15	1419	7	22	0	12	30	0	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	28	1380	21	15	1419	7	22	0	12	30	0	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	1380	21	15	1419	7	22	0	12	30	0	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	28	1380	21	15	1419	7	22	0	12	30	0	20

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.97	0.03	1.00	1.99	0.01	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1523	2999	46	1523	3030	15	1523	0	1523	1523	0	1523

Capacity Analysis Module:

Vol/Sat:	0.02	0.46	0.46	0.01	0.47	0.47	0.01	0.00	0.01	0.02	0.00	0.01
Crit Volume:	28			713			22			30		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #135 Sun Tree Dr/Kensington Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.623
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 49 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	2	0	1	0	0	0	1

Volume Module:

Base Vol:	6	1326	14	33	1343	63	47	24	9	89	27	50
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	1326	14	33	1343	63	47	24	9	89	27	50
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:	6	1326	14	33	1343	63	47	24	9	89	27	50
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	1326	14	33	1343	63	47	24	9	89	27	50
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:	6	1326	14	33	1343	63	47	24	9	89	27	50

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	1.98	0.02	1.00	2.00	1.00	0.59	0.30	0.11	0.54	0.16	0.30
Final Sat.:	1523	3013	32	1523	3045	1523	894	457	171	816	248	459

Capacity Analysis Module:

Vol/Sat:	0.00	0.44	0.44	0.02	0.44	0.04	0.05	0.05	0.05	0.11	0.11	0.11
Crit Volume:		670	33		33		80			166		
Crit Moves:	****	****		****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #136 Frances Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.570
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	1	0

Volume Module:

Base Vol:	8	1469	28	28	1534	4	3	0	2	42	5	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	1469	28	28	1534	4	3	0	2	42	5	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	1469	28	28	1534	4	3	0	2	42	5	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	1469	28	28	1534	4	3	0	2	42	5	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	8	1469	28	28	1534	4	3	0	2	42	5	42

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.96	0.04	1.00	1.99	0.01	0.60	0.00	0.40	0.95	0.11	0.94
Final Sat.:	1450	2846	54	1450	2892	8	870	0	580	1369	163	1369

Capacity Analysis Module:

Vol/Sat:	0.01	0.52	0.52	0.02	0.53	0.53	0.00	0.00	0.00	0.03	0.03	0.03
Crit Volume:	748	28					5			44		
Crit Moves:	****	****					****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #137 Oak Ridge Dr & Sunrise Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.309
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	1	0	2	0	0	0	0	0	1

Volume Module:

Base Vol:	0	753	14	34	708	0	0	0	0	46	0	61
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	753	14	34	708	0	0	0	0	46	0	61
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	753	14	34	708	0	0	0	0	46	0	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	753	14	34	708	0	0	0	0	46	0	61
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	753	14	34	708	0	0	0	0	46	0	61

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	1.96	0.04	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2945	55	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.26	0.26	0.02	0.24	0.00	0.00	0.00	0.00	0.03	0.00	0.04
Crit Volume:		384	34				0			46		
Crit Moves:	****	****								****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #138 Diamond Oaks Rd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.683
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 59 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	0	0	1	0	1	0

Volume Module:

Base Vol:	14	732	85	147	719	31	5	4	12	89	2	140
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	732	85	147	719	31	5	4	12	89	2	140
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	14	732	85	147	719	31	5	4	12	89	2	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	732	85	147	719	31	5	4	12	89	2	140
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	14	732	85	147	719	31	5	4	12	89	2	140

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.24	0.19	0.57	0.98	0.02	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	345	276	829	1418	32	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.50	0.06	0.10	0.50	0.02	0.01	0.01	0.01	0.06	0.06	0.10
Crit Volume:	732			147			21			91		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #139 Sawtell Rd/Derek Pl & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.365
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	0	1	0	0	1	0

Volume Module:

Base Vol:	60	785	19	11	746	31	60	0	32	43	4	23
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	785	19	11	746	31	60	0	32	43	4	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:	60	785	19	11	746	31	60	0	32	43	4	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	785	19	11	746	31	60	0	32	43	4	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
Final Volume:	60	785	19	11	746	31	60	0	32	43	4	23

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	1.00	2.00	1.00	1.00	1.92	0.08	1.00	0.00	1.00	0.91	0.09	1.00
Final Sat.:	1523	3045	1523	1523	2924	121	1523	0	1523	1393	130	1523

Capacity Analysis Module:

Vol/Sat:	0.04	0.26	0.01	0.01	0.26	0.26	0.04	0.00	0.02	0.03	0.03	0.02
Crit Volume:	60			389			60			47		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #140 Hallissy Dr & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.388
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	0	0	0	0	1	0	0

Volume Module:

Base Vol:	0	411	119	35	510	0	0	0	0	72	0	35
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	411	119	35	510	0	0	0	0	72	0	35
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	411	119	35	510	0	0	0	0	72	0	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	411	119	35	510	0	0	0	0	72	0	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	411	119	35	510	0	0	0	0	72	0	35

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	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3000	1500	1500	1500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.14	0.08	0.02	0.34	0.00	0.00	0.00	0.00	0.05	0.00	0.02
Crit Volume:	0			510			0			72		
Crit Moves:	****			****						****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #141 Baseline Rd & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.602
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 47 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	1	0	1	0	0	1	0	2

Volume Module:

Base Vol:	98	0	201	152	0	132	71	485	35	45	442	255
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	98	0	201	152	0	132	71	485	35	45	442	255
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	98	0	201	152	0	132	71	485	35	45	442	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	0	201	152	0	132	71	485	35	45	442	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	98	0	201	152	0	132	71	485	35	45	442	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	0.00	1.00	1.00	0.93	0.07	1.00	2.00	1.00
Final Sat.:	1450	0	1450	1450	0	1450	1450	1352	98	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.00	0.14	0.10	0.00	0.09	0.05	0.36	0.36	0.03	0.15	0.00
Crit Volume:			201	152					520	0		
Crit Moves:	****			****					****	****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #142 Canevari Dr/Arsenault Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.573
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 53 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	0	1	0	0	1	0

Volume Module:

Base Vol:	125	741	24	17	490	9	20	6	85	13	10	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	741	24	17	490	9	20	6	85	13	10	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	741	24	17	490	9	20	6	85	13	10	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	741	24	17	490	9	20	6	85	13	10	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	741	24	17	490	9	20	6	85	13	10	14

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.97	0.03	1.00	0.98	0.02	0.77	0.23	1.00	0.57	0.43	1.00
Final Sat.:	1450	1405	45	1450	1424	26	1115	335	1450	820	630	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.53	0.53	0.01	0.34	0.34	0.02	0.02	0.06	0.02	0.02	0.01
Crit Volume:	765			17			26			23		
Crit Moves:	****			****			****			****		

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City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #143 Horncastle Ave & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.377
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	61	435	10	25	343	64	67	2	39	13	4	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	61	435	10	25	343	64	67	2	39	13	4	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	61	435	10	25	343	64	67	2	39	13	4	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	61	435	10	25	343	64	67	2	39	13	4	16
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	61	435	10	25	343	64	67	2	39	13	4	16

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.00	1.00	0.97	0.03	1.00	0.76	0.24	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	1408	42	1450	1109	341	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.30	0.01	0.02	0.24	0.04	0.05	0.05	0.03	0.01	0.01	0.01
Crit Volume:	435			25			69			17		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #144 McAnally Dr & Woodcreek Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.479
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 44 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Split Phase Split Phase
Rights: Include Include Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 1

Volume Module:
Base Vol: 31 729 18 102 629 79 30 11 30 27 21 280
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 31 729 18 102 629 79 30 11 30 27 21 280
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: 31 729 18 102 629 79 30 11 30 27 21 280
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 31 729 18 102 629 79 30 11 30 27 21 280
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: 31 729 18 102 629 79 30 11 30 27 21 280

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 1.95 0.05 1.00 1.78 0.22 0.73 0.27 1.00 1.00 1.00 1.00
Final Sat.: 1450 2830 70 1450 2576 324 1061 389 1450 1450 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.02 0.26 0.26 0.07 0.24 0.24 0.03 0.03 0.02 0.02 0.01 0.19
Crit Volume: 374 0 41 280
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #145 Trailee Ln & Woodcreek Oaks Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.332
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Split Phase Split Phase
Rights: Include Ovl Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 1 1 0 1 0 2 0 1 0 1 0 1 0 1 0

Volume Module:
Base Vol: 34 663 36 35 576 3 77 1 46 13 1 25
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 34 663 36 35 576 3 77 1 46 13 1 25
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 34 663 36 35 576 3 77 1 46 13 1 25
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 34 663 36 35 576 3 77 1 46 13 1 25
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 34 663 36 35 576 3 77 1 46 13 1 25

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 1.90 0.10 1.00 2.00 1.00 1.00 0.26 0.74 0.67 0.33 1.00
Final Sat.: 1450 2751 149 1450 2900 1450 1450 374 1076 967 483 1450

Capacity Analysis Module:
Vol/Sat: 0.02 0.24 0.24 0.02 0.20 0.00 0.05 0.00 0.04 0.01 0.00 0.02
Crit Volume: 350 35 77 19
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #146 Blue Oaks Blvd & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.748
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 91 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ignore			Ovl			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	2	1	0	0	4	2	0	1

Volume Module:

Base Vol:	469	0	571	129	225	220	0	1631	311	192	720	357
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	469	0	571	129	225	220	0	1631	311	192	720	357
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	469	0	571	129	225	0	0	1631	311	192	720	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	469	0	571	129	225	0	0	1631	311	192	720	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	469	0	571	129	225	0	0	1631	311	192	720	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	2.00	1.00	0.00	4.00	1.00	2.00	2.00	1.00
Final Sat.:	1450	0	2900	1450	2900	1450	0	5800	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.32	0.00	0.20	0.09	0.08	0.00	0.00	0.28	0.21	0.07	0.25	0.00
Crit Volume:	469			113			408		96			
Crit Moves:	****			****			****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #147 Douglas Blvd & I-80 EB Ramps

Cycle (sec): 100 Critical Vol./Cap.(X): 0.714
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 80 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ovl			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	1	0	0	0	1	0	3

Volume Module:

Base Vol:	0	0	1014	0	0	319	195	1048	0	0	2626	210
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	1014	0	0	319	195	1048	0	0	2626	210
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	0	0	0	0	0	319	195	1048	0	0	2626	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	319	195	1048	0	0	2626	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	0	0	0	0	0	319	195	1048	0	0	2626	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	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	1500	0	0	3000	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.11	0.13	0.23	0.00	0.00	0.58	0.00
Crit Volume:	0			0		195	875					
Crit Moves:				****		****	****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #148 Douglas Blvd & I-80 WB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.812
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 77 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	2	0	0	0	0	2	0	0	2

Volume Module:

Base Vol:	0	0	0	849	0	232	0	1042	158	0	1588	329
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	849	0	232	0	1042	158	0	1588	329
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	849	0	232	0	1042	0	0	1588	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	849	0	232	0	1042	0	0	1588	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	849	0	232	0	1042	0	0	1588	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	0.00	2.00	0.00	1.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	0	3000	1500	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.28	0.00	0.15	0.00	0.35	0.00	0.00	0.53	0.00
Crit Volume:	0			424			0			794		
Crit Moves:				****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #149 Atlantic St & I-80 WB On-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.477
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	0	0	0	0	0	3	0	0	0

Volume Module:

Base Vol:	0	0	0	0	0	0	0	451	325	952	385	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	451	325	952	385	0
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	0	451	325	952	385	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	451	325	952	385	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	0	0	451	325	952	385	0

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Lanes:	0.00	0.00	1.00	0.00	0.00	1.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	1680	0	0	1680	0	5040	1680	3360	3360	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.19	0.28	0.11	0.00
Crit Volume:	0			0			325		476			
Crit Moves:							****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #150 Pleasant Grove Blvd & SR 65 NB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.568
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Ignore Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 3 0 0 0 2 0 0 0 0 0 0 3 0 1 1 0 3 0 0

Volume Module:
Base Vol: 465 0 520 0 0 0 0 1517 396 191 1496 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 465 0 520 0 0 0 0 1517 396 191 1496 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
PHF Volume: 465 0 520 0 0 0 0 1517 0 191 1496 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 465 0 520 0 0 0 0 1517 0 191 1496 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
FinalVolume: 465 0 520 0 0 0 0 1517 0 191 1496 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: 3.00 0.00 2.00 0.00 0.00 0.00 0.00 3.00 1.00 1.00 3.00 0.00
Final Sat.: 4500 0 3000 0 0 0 0 4500 1500 1500 4500 0

Capacity Analysis Module:
Vol/Sat: 0.10 0.00 0.17 0.00 0.00 0.00 0.00 0.34 0.00 0.13 0.33 0.00
Crit Volume: 155 0 506 191
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #151 Pleasant Grove Blvd & SR 65 SB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 0.571
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 34 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Include Ignore Ignore
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 0 0 0 0 0 1 0 1! 0 1 0 0 2 1 1 0 0 3 0 1

Volume Module:
Base Vol: 0 0 0 130 0 351 0 2042 509 0 1644 282
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 0 130 0 351 0 2042 509 0 1644 282
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 0 0 0 130 0 351 0 2042 0 0 1644 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 130 0 351 0 2042 0 0 1644 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 0 0 0 130 0 351 0 2042 0 0 1644 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 0.00 1.00 0.00 2.00 0.00 3.00 1.00 0.00 3.00 1.00
Final Sat.: 0 0 0 1500 0 3000 0 4500 1500 0 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.09 0.00 0.12 0.00 0.45 0.00 0.00 0.37 0.00
Crit Volume: 0 176 681 0
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #152 I-80 WB Off-Ramp & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.667
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound			
Movement:	L	T	R	L	T	R	L	T	R	L	T	R	
Control:	Protected			Protected			Protected			Protected			
Rights:	Ignore			Ignore			Include			Ovl			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Lanes:	0	0	2	0	1	0	0	2	0	1	0	0	2

Volume Module:

Base Vol:	0	1540	194	0	793	924	0	0	0	461	0	218
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1540	194	0	793	924	0	0	0	461	0	218
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1540	0	0	793	0	0	0	0	461	0	218
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1540	0	0	793	0	0	0	0	461	0	218
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1540	0	0	793	0	0	0	0	461	0	218

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	2.00	1.00	0.00	2.00	1.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3000	1500	0	3000	1500	0	0	0	3000	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.51	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.15	0.00	0.15
Crit Volume:	770	0	0	0	0	0	0	0	0	231	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #153 SR 65 NB On-Ramp & Stanford Ranch Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.846
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 93 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	2	1	0	0	0	0	1

Volume Module:

Base Vol:	754	527	0	0	1738	60	0	0	144	0	0	456
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	754	527	0	0	1738	60	0	0	144	0	0	456
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	754	527	0	0	1738	60	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	754	527	0	0	1738	60	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	754	527	0	0	1738	60	0	0	0	0	0	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	2.00	0.00	0.00	2.90	0.10	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	1600	3200	0	0	4640	160	0	0	1600	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.47	0.16	0.00	0.00	0.37	0.37	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	754	599	0	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #154 SR 65 SB On-Ramp & Galleria Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.644
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	3	0	1	2	0	0	3	0	0	1

Volume Module:

Base Vol:	0	2159	505	621	1385	0	0	0	478	0	0	158
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	2159	505	621	1385	0	0	0	478	0	0	158
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	2159	505	621	1385	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	2159	505	621	1385	0	0	0	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	2159	505	621	1385	0	0	0	0	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	2.00	0.00	0.00	1.00
Final Sat.:	0	4800	1600	3200	4800	0	0	0	3200	0	0	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.45	0.32	0.19	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	720			311			0			0		
Crit Moves:	****			****								

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #155 Eureka Rd & Taylor Rd/I-80 EB Off-Ramp

Cycle (sec): 120 Critical Vol./Cap.(X): 1.103
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	0	1	2	0	0	1	1	0	2

Volume Module:

Base Vol:	158	423	495	336	0	550	288	1090	306	0	1808	252
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	158	423	495	336	0	550	288	1090	306	0	1808	252
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	158	423	0	336	0	550	288	1090	0	0	1808	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	158	423	0	336	0	550	288	1090	0	0	1808	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	158	423	0	336	0	550	288	1090	0	0	1808	0

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	2.00	0.00	1.00	1.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	1450	1450	2900	1450	0	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.29	0.00	0.12	0.00	0.38	0.20	0.38	0.00	0.00	0.42	0.00
Crit Volume:	158			550		288				603		
Crit Moves:	****			****		****	****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #156 Fairway Dr & Highland Park Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.280
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	18	1	10	34	0	30	54	555	4	4	514	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	1	10	34	0	30	54	555	4	4	514	100
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:	18	1	10	34	0	30	54	555	4	4	514	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	1	10	34	0	30	54	555	4	4	514	100
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:	18	1	10	34	0	30	54	555	4	4	514	100

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.09	0.91	1.00	0.00	1.00	1.00	1.99	0.01	1.00	1.67	0.33
Final Sat.:	1450	132	1318	1450	0	1450	1450	2879	21	1450	2428	472

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.02	0.00	0.02	0.04	0.19	0.19	0.00	0.21	0.21
Crit Volume:	11	34		54						307		
Crit Moves:	****	****		****						****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #157 I-80 EB Off-Ramp/Orlando Ave & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.607
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 58 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	2	0	1	1	1	0	2	0	0	1

Volume Module:

Base Vol:	0	1095	85	54	958	0	0	423	198	133	0	153
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1095	85	54	958	0	0	423	198	133	0	153
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	1095	85	54	958	0	0	423	198	133	0	153
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1095	85	54	958	0	0	423	198	133	0	153
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	1095	85	54	958	0	0	423	198	133	0	153

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	0.00	0.00	2.00	1.00	2.00	0.00	1.00
Final Sat.:	0	2900	1450	1450	2900	0	0	2900	1450	2900	0	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.38	0.06	0.04	0.33	0.00	0.00	0.15	0.14	0.05	0.00	0.11
Crit Volume:	547			54			212			67		
Crit Moves:	****	****		****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #180 Baseline Rd & Santucci Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.753
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 92 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	0	0	0	0	0	1	1	0	0

Volume Module:

Base Vol:	46	0	227	0	0	0	0	902	48	177	244	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	46	0	227	0	0	0	0	902	48	177	244	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:	46	0	227	0	0	0	0	902	48	177	244	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	0	227	0	0	0	0	902	48	177	244	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:	46	0	227	0	0	0	0	902	48	177	244	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:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	1500	1500	1500	1500	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.15	0.00	0.00	0.00	0.00	0.60	0.03	0.12	0.16	0.00
Crit Volume:	227		0				902		0			
Crit Moves:	****						****		****			

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1001 Darling Way & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.476
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	62	483	168	15	404	2	31	44	51	106	11	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	62	483	168	15	404	2	31	44	51	106	11	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	62	483	168	15	404	2	31	44	51	106	11	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	483	168	15	404	2	31	44	51	106	11	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	62	483	168	15	404	2	31	44	51	106	11	21

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	1.00	1.00	1.00	1.99	0.01	0.41	0.59	1.00	0.91	0.09	1.00
Final Sat.:	1450	1450	1450	1450	2886	14	599	851	1450	1314	136	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.33	0.12	0.01	0.14	0.14	0.05	0.05	0.04	0.08	0.08	0.01
Crit Volume:	483			15			75			117		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1002 Vernon St & Douglas Blvd/Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.436
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	0	236	279	0	154	153	152	113	1	259	261	5
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	236	279	0	154	153	152	113	1	259	261	5
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	236	279	0	154	0	152	113	1	259	261	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	236	279	0	154	0	152	113	1	259	261	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	236	279	0	154	0	152	113	1	259	261	5

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	1.00	1.00	0.00	1.00	1.00	1.00	0.99	0.01	1.00	0.98	0.02
Final Sat.:	0	1500	1500	0	1500	1500	1500	1487	13	1500	1472	28

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.19	0.00	0.10	0.00	0.10	0.08	0.08	0.17	0.18	0.18
Crit Volume:	236			0			152			266		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1003 Vernon St & Grant St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.318
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	108	59	62	4	22	10	6	309	63	22	233	18
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	108	59	62	4	22	10	6	309	63	22	233	18
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:	108	59	62	4	22	10	6	309	63	22	233	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	108	59	62	4	22	10	6	309	63	22	233	18
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:	108	59	62	4	22	10	6	309	63	22	233	18

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:	0.65	0.35	1.00	0.11	0.61	0.28	0.02	0.98	1.00	0.08	0.85	0.07
Final Sat.:	1035	565	1600	178	978	444	30	1570	1600	129	1366	105

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	0.04	0.02	0.02	0.02	0.20	0.20	0.04	0.17	0.17	0.17
Crit Volume:	167			4			315			22		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1004 Vernon St & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.298
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	1	0	0	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	36	12	35	13	9	5	3	392	11	8	295	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	12	35	13	9	5	3	392	11	8	295	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	12	35	13	9	5	3	392	11	8	295	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	12	35	13	9	5	3	392	11	8	295	8
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:	36	12	35	13	9	5	3	392	11	8	295	8

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:	0.75	0.25	1.00	0.48	0.33	0.19	0.01	0.96	0.03	0.02	0.95	0.03
Final Sat.:	1200	400	1600	770	533	296	12	1545	43	41	1518	41

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.02	0.02	0.02	0.02	0.25	0.25	0.25	0.19	0.19	0.19
Crit Volume:	36			27			406			8		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1005 Vernon St & Lincoln St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.593
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	0	1	1	0	0	1	0	0

Volume Module:

Base Vol:	36	12	232	23	68	9	32	300	27	259	245	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	12	232	23	68	9	32	300	27	259	245	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	12	232	23	68	9	32	300	27	259	245	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	12	232	23	68	9	32	300	27	259	245	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	36	12	232	23	68	9	32	300	27	259	245	14

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:	0.13	0.04	0.83	0.23	0.68	0.09	1.00	0.92	0.08	1.00	0.95	0.05
Final Sat.:	193	64	1243	345	1020	135	1500	1376	124	1500	1419	81

Capacity Analysis Module:

Vol/Sat:	0.19	0.19	0.19	0.07	0.07	0.07	0.02	0.22	0.22	0.17	0.17	0.17
Crit Volume:	280			23			327			259		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1006 Main St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.596
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 56 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Ignore			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	0	2	0	1	0	1	0

Volume Module:

Base Vol:	336	951	20	30	623	1	77	82	114	77	122	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	336	951	20	30	623	1	77	82	114	77	122	37
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	336	951	20	30	623	0	77	82	114	77	122	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	336	951	20	30	623	0	77	82	114	77	122	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	336	951	20	30	623	0	77	82	114	77	122	37

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	0.48	0.52	1.00	0.39	0.61	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	702	748	1450	561	889	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.33	0.01	0.02	0.21	0.00	0.11	0.11	0.08	0.14	0.14	0.03
Crit Volume:	476			30			159			199		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project:PM Peak Hour (Roseville City Intersections)

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

Intersection #1007 Oak St & Washington Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.369
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	0	1	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	0	35	32	618	8	385	236	19	1	0	27	905
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	35	32	618	8	385	236	19	1	0	27	905
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	35	32	618	8	385	236	19	1	0	27	905
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	35	32	618	8	385	236	19	1	0	27	905
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	35	32	618	8	385	236	19	1	0	27	905

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	0.52	0.48	1.97	0.03	1.00	1.84	0.15	0.01	0.00	1.00	2.00
Final Sat.:	0	757	693	2863	37	1450	2673	215	11	0	1450	2900

Capacity Analysis Module:

Vol/Sat:	0.00	0.05	0.05	0.22	0.22	0.27	0.09	0.09	0.09	0.00	0.02	0.31
Crit Volume:			67	313			128			27		
Crit Moves:	****			****			****			****		

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#303 Pleasant Grove N & Riego	F 59.7	1.088	F 59.7	1.088	+ 0.000 V/C
#304 Pleasant Grove S & Riego	F 69.3	1.120	F 69.3	1.120	+ 0.000 V/C
#305 Watt Ave & PFE Rd	C 21.6	0.799	C 21.6	0.799	+ 0.000 V/C
#306 Walerga Rd & PFE Rd	F xxxxx	1.023	F xxxxx	1.023	+ 0.000 V/C
#308 Fiddymment & Athens	A 9.7	0.448	A 9.7	0.448	+ 0.000 V/C
#315 SR 99 & Riego Rd	E xxxxx	0.956	E xxxxx	0.956	+ 0.000 V/C
#319 Industrial & Athens	A xxxxx	0.279	A xxxxx	0.279	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #303 Pleasant Grove N & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 1.088
Loss Time (sec): 0 Average Delay (sec/veh): 59.7
Optimal Cycle: 0 Level Of Service: F

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	1	0	0	0	1

Volume Module:

Base Vol:	0	0	0	58	0	42	9	140	0	0	752	61
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	58	0	42	9	140	0	0	752	61
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	0	0	61	0	44	9	147	0	0	792	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	61	0	44	9	147	0	0	792	64
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	61	0	44	9	147	0	0	792	64

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	0.58	0.00	0.42	0.06	0.94	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	355	0	257	42	648	0	0	728	847

Capacity Analysis Module:

Vol/Sat:	xxxx	xxxx	xxxx	0.17	xxxx	0.17	0.23	0.23	xxxx	xxxx	1.09	0.08
Crit Moves:	****			****			****			****		
Delay/Veh:	0.0	0.0	0.0	10.0	0.0	10.0	9.7	9.7	0.0	0.0	80.5	7.3
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	10.0	0.0	10.0	9.7	9.7	0.0	0.0	80.5	7.3
LOS by Move:	*	*	*	A	*	A	A	A	*	F	F	A
ApproachDel:	xxxxxx			10.0			9.7			75.0		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			10.0			9.7			75.0		
LOS by Appr:	*			A			A			F		
AllWayAvgQ:	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.3	0.3	0.0	14.7	0.1

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #304 Pleasant Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 1.120
Loss Time (sec): 0 Average Delay (sec/veh): 69.3
Optimal Cycle: 0 Level Of Service: F

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	1	0

Volume Module:

Base Vol:	66	0	25	0	0	0	0	138	57	95	747	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	0	25	0	0	0	0	138	57	95	747	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	69	0	26	0	0	0	0	145	60	100	786	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	0	26	0	0	0	0	145	60	100	786	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:	69	0	26	0	0	0	0	145	60	100	786	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:	0.73	0.00	0.27	0.00	0.00	0.00	0.00	1.00	1.00	0.11	0.89	0.00
Final Sat.:	430	0	163	0	0	0	0	662	760	89	702	0

Capacity Analysis Module:

Vol/Sat:	0.16	xxxx	0.16	xxxx	xxxx	xxxx	xxxx	0.22	0.08	1.12	1.12	xxxx
Crit Moves:	****			****			****			****		
Delay/Veh:	10.1	0.0	10.1	0.0	0.0	0.0	0.0	9.6	7.8	89.7	89.7	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	0.0	10.1	0.0	0.0	0.0	0.0	9.6	7.8	89.7	89.7	0.0
LOS by Move:	B	*	B	*	*	*	*	A	A	F	F	*
ApproachDel:	10.1			xxxxxx			9.0			89.7		
Delay Adj:	1.00			xxxxxx			1.00			1.00		
ApprAdjDel:	10.1			xxxxxx			9.0			89.7		
LOS by Appr:	B			*			A			F		
AllWayAvgQ:	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.1	18.0	18.0	18.0

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.799
Loss Time (sec): 0 Average Delay (sec/veh): 21.6
Optimal Cycle: 0 Level Of Service: C

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

Volume Module:

Base Vol:	1 200 300	8 371	0 0	325 1	16
Growth Adj:	1.00 1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00
Initial Bse:	1 200 300	8 371	0 0	325 1	16
User Adj:	1.00 1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00
PHF Adj:	0.95 0.95 0.95	0.95 0.95	0.95 0.95	0.95 0.95	0.95
PHF Volume:	1 211 316	8 391	0 0	342 1	17
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	1 211 316	8 391	0 0	342 1	17
PCE Adj:	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
FinalVolume:	1 211 316	8 391	0 0	342 1	17

Saturation Flow Module:

Adjustment:	1.00 1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00
Lanes:	0.01 0.40 0.59	0.02 0.98	0.00 0.00	0.95 0.01	0.04
Final Sat.:	1 263 395	13 584	0 0	517 2	25

Capacity Analysis Module:

Vol/Sat:	0.80 0.80 0.80	0.67 0.67	xxxx	xxxx	0.66 0.66
Crit Moves:	****	****	****	****	****
Delay/Veh:	25.0 25.0 25.0	19.0 19.0	0.0 0.0	10.2 0.0	19.6 19.6
Delay Adj:	1.00 1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00
AdjDel/Veh:	25.0 25.0 25.0	19.0 19.0	0.0 0.0	10.2 0.0	19.6 19.6
LOS by Move:	D D D	C C	*	B	C C
ApproachDel:	25.0	19.0		10.2	19.6
Delay Adj:	1.00	1.00		1.00	1.00
ApprAdjDel:	25.0	19.0		10.2	19.6
LOS by Appr:	D	C		B	C
AllWayAvgQ:	3.1 3.1 3.1	1.7 1.7	1.7 0.0	0.0 0.0	1.6 1.6

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #306 Walerga Rd & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 1.023
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	106 626 178	28 762 105	45 106 121	136 137 28
Growth Adj:	1.00 1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00
Initial Bse:	106 626 178	28 762 105	45 106 121	136 137 28
User Adj:	1.00 1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00
PHF Adj:	0.95 0.95 0.95	0.95 0.95	0.95 0.95	0.95 0.95
PHF Volume:	112 659 187	29 802 111	47 112 127	143 144 29
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	112 659 187	29 802 111	47 112 127	143 144 29
PCE Adj:	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
FinalVolume:	112 659 187	29 802 111	47 112 127	143 144 29

Saturation Flow Module:

Sat/Lane:	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
Lanes:	1.00 0.78 0.22	1.00 0.88 0.12	1.00 0.47 0.53	1.00 0.83 0.17
Final Sat.:	1375 1071 304	1375 1208 167	1375 642 733	1375 1142 233

Capacity Analysis Module:

Vol/Sat:	0.08 0.62 0.62	0.02 0.66 0.66	0.03 0.17 0.17	0.10 0.13 0.13
Crit Volume:	112	913	239	143
Crit Moves:	****	****	****	****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.448
Loss Time (sec): 0 Average Delay (sec/veh): 9.7
Optimal Cycle: 0 Level Of Service: A

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

Volume Module:

Base Vol:	0	99	277	29	36	0	0	0	0	153	0	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	99	277	29	36	0	0	0	0	153	0	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	104	292	31	38	0	0	0	0	161	0	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	104	292	31	38	0	0	0	0	161	0	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	104	292	31	38	0	0	0	0	161	0	12

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.26	0.74	0.45	0.55	0.00	0.00	1.00	0.00	0.93	0.00	0.07
Final Sat.:	0	232	650	318	395	0	0	640	0	631	0	45

Capacity Analysis Module:

Vol/Sat:	xxxx	0.45	0.45	0.10	0.10	xxxx	xxxx	0.00	xxxx	0.26	xxxx	0.26
Crit Moves:	****			****			****		****			
Delay/Veh:	0.0	10.0	10.0	8.3	8.3	0.0	0.0	0.0	0.0	9.6	0.0	9.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	10.0	10.0	8.3	8.3	0.0	0.0	0.0	0.0	9.6	0.0	9.6
LOS by Move:	*	B	B	A	A	*	*	*	*	A	*	A
ApproachDel:	10.0			8.3			xxxxxx			9.6		
Delay Adj:	1.00			1.00			xxxxxx			1.00		
ApprAdjDel:	10.0			8.3			xxxxxx			9.6		
LOS by Appr:	B			A			*			A		
AllWayAvgQ:	0.8	0.8	0.8	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.3	0.3

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #315 SR 99 & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.956
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	0	1	0	0	1	1	0

Volume Module:

Base Vol:	17	711	139	40	1616	20	6	10	9	724	20	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	17	711	139	40	1616	20	6	10	9	724	20	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.00	0.95	0.95	0.95
PHF Volume:	18	748	146	42	1701	21	6	11	0	762	21	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	748	146	42	1701	21	6	11	0	762	21	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.10	1.00	1.00
FinalVolume:	18	748	146	42	1701	21	6	11	0	838	21	20

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	2.00	1.00	0.37	0.63	1.00	1.95	0.05	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	516	859	1375	2683	67	1375

Capacity Analysis Module:

Vol/Sat:	0.01	0.27	0.11	0.03	0.62	0.02	0.01	0.01	0.00	0.31	0.31	0.01
Crit Volume:	18			851			17			430		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Placer & Sutter Intersections)

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

Intersection #319 Industrial & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.279
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	0	0	1	0	0	0	1	0	0

Volume Module:

Base Vol:	175	31	0	0	117	214	165	0	159	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	175	31	0	0	117	214	165	0	159	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	184	33	0	0	123	225	174	0	167	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	184	33	0	0	123	225	174	0	167	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	203	33	0	0	123	225	174	0	167	0	0	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:	2.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	2850	1425	0	0	1425	1425	1425	0	1425	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.02	0.00	0.00	0.09	0.16	0.12	0.00	0.12	0.00	0.00	0.00
Crit Volume:	101				123		174				0	
Crit Moves:	****				****		****					

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Scenario Report
Existing Plus Project PM

Scenario: Existing Plus Project PM

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base Del/ V/ LOS Veh C	Future Del/ V/ LOS Veh C	Change in
#303 Pleasant Grove N & Riego	D 29.7 0.936	D 29.7 0.936	+ 0.000 V/C
#304 Pleasant Grove S & Riego	E 49.5 1.063	E 49.5 1.063	+ 0.000 V/C
#305 Watt Ave & PFE Rd	B 13.1 0.663	B 13.1 0.663	+ 0.000 V/C
#306 Walerga Rd & PFE Rd	D xxxxx 0.882	D xxxxx 0.882	+ 0.000 V/C
#308 Fiddymment & Athens	B 11.7 0.520	B 11.7 0.520	+ 0.000 V/C
#315 SR 99 & Riego Rd	C xxxxx 0.710	C xxxxx 0.710	+ 0.000 V/C
#319 Industrial & Athens	A xxxxx 0.400	A xxxxx 0.400	+ 0.000 V/C

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #303 Pleasant Grove N & Riego

Cycle (sec):	100	Critical Vol./Cap.(X):	0.936
Loss Time (sec):	0	Average Delay (sec/veh):	29.7
Optimal Cycle:	0	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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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	0 0 1! 0 0	0 1 0 0 0	0 0 1 0 1

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Volume Module:

Base Vol:	0	0	0	50	0	8	20	732	0	0	198	70
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	50	0	8	20	732	0	0	198	70
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	50	0	8	20	732	0	0	198	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	50	0	8	20	732	0	0	198	70
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	50	0	8	20	732	0	0	198	70

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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	0.86	0.00	0.14	0.03	0.97	0.00	0.00	1.00	1.00
Final Sat.:	0	0	0	493	0	79	21	782	0	0	684	789

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Capacity Analysis Module:

Vol/Sat:	xxxx	xxxx	xxxx	0.10	xxxx	0.10	0.94	0.94	xxxx	xxxx	0.29	0.09
Crit Moves:	****						****					
Delay/Veh:	0.0	0.0	0.0	9.7	0.0	9.7	38.5	38.5	0.0	0.0	10.0	7.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.7	0.0	9.7	38.5	38.5	0.0	0.0	10.0	7.6
LOS by Move:	*	*	*	A	*	A	E	E	*	*	A	A
ApproachDel:	xxxxxx			9.7			38.5				9.4	
Delay Adj:	xxxxxx			1.00			1.00				1.00	
ApprAdjDel:	xxxxxx			9.7			38.5				9.4	
LOS by Appr:	*			A			E				A	
AllWayAvgQ:	0.0	0.0	0.0	0.1	0.1	0.1	6.9	6.9	6.9	0.0	0.4	0.1

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #304 Pleasant Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 1.063
Loss Time (sec): 0 Average Delay (sec/veh): 49.5
Optimal Cycle: 0 Level Of Service: E

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 0 0	0	0	1 0 1	0	1	0 0 0

Volume Module:

Base Vol:	68	0	119	0	0	0	0	724	51	27	199	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	0	119	0	0	0	0	724	51	27	199	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:	68	0	119	0	0	0	0	724	51	27	199	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	0	119	0	0	0	0	724	51	27	199	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:	68	0	119	0	0	0	0	724	51	27	199	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:	0.36	0.00	0.64	0.00	0.00	0.00	0.00	1.00	1.00	0.12	0.88	0.00
Final Sat.:	224	0	391	0	0	0	0	681	785	78	572	0

Capacity Analysis Module:

Vol/Sat:	0.30	xxxx	0.30	xxxx	xxxx	xxxx	xxxx	1.06	0.06	0.35	0.35	xxxx
Crit Moves:	***							***		***		
Delay/Veh:	11.2	0.0	11.2	0.0	0.0	0.0	0.0	74.2	7.6	11.3	11.3	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:	11.2	0.0	11.2	0.0	0.0	0.0	0.0	74.2	7.6	11.3	11.3	0.0
LOS by Move:	B	*	B	*	*	*	*	F	A	B	B	*
ApproachDel:	11.2			xxxxxx				69.9		11.3		
Delay Adj:	1.00			xxxxxx				1.00		1.00		
ApprAdjDel:	11.2			xxxxxx				69.9		11.3		
LOS by Appr:	B			*				F		B		
AllWayAvgQ:	0.4	0.4	0.4	0.0	0.0	0.0	0.0	12.5	0.1	0.5	0.5	0.5

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.663
Loss Time (sec): 0 Average Delay (sec/veh): 13.1
Optimal Cycle: 0 Level Of Service: B

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

Volume Module:

Base Vol:	4	250	288	14	229	0	2	0	3	142	2	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	4	250	288	14	229	0	2	0	3	142	2	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	4	250	288	14	229	0	2	0	3	142	2	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	250	288	14	229	0	2	0	3	142	2	8
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:	4	250	288	14	229	0	2	0	3	142	2	8

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:	0.01	0.46	0.53	0.06	0.94	0.00	0.40	0.00	0.60	0.94	0.01	0.05
Final Sat.:	6	377	434	40	662	0	218	0	327	537	8	30

Capacity Analysis Module:

Vol/Sat:	0.66	0.66	0.66	0.35	0.35	xxxx	0.01	xxxx	0.01	0.26	0.26	0.26
Crit Moves:	***			***			***			***		
Delay/Veh:	15.1	15.1	15.1	10.4	10.4	0.0	8.6	0.0	8.6	10.5	10.5	10.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	15.1	15.1	15.1	10.4	10.4	0.0	8.6	0.0	8.6	10.5	10.5	10.5
LOS by Move:	C	C	C	B	B	*	A	*	A	B	B	B
ApproachDel:	15.1			10.4				8.6		10.5		
Delay Adj:	1.00			1.00				1.00		1.00		
ApprAdjDel:	15.1			10.4				8.6		10.5		
LOS by Appr:	C			B			A		A	B		
AllWayAvgQ:	1.8	1.8	1.8	0.5	0.5	0.5	0.0	0.0	0.0	0.3	0.3	0.3

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #306 Walerga Rd & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.882
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 0 1 0 1 0 0 1 0 1 0 1 0

Volume Module:
Base Vol: 16 737 155 20 704 35 155 130 23 148 98 26
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 16 737 155 20 704 35 155 130 23 148 98 26
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 16 737 155 20 704 35 155 130 23 148 98 26
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 16 737 155 20 704 35 155 130 23 148 98 26
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 16 737 155 20 704 35 155 130 23 148 98 26

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 0.83 0.17 1.00 0.95 0.05 1.00 0.85 0.15 1.00 0.79 0.21
Final Sat.: 1375 1136 239 1375 1310 65 1375 1168 207 1375 1087 288

Capacity Analysis Module:
Vol/Sat: 0.01 0.65 0.65 0.01 0.54 0.54 0.11 0.11 0.11 0.11 0.09 0.09
Crit Volume: 892 20 153 148
Crit Moves: **** **** **** ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.520
Loss Time (sec): 0 Average Delay (sec/veh): 11.7
Optimal Cycle: 0 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Stop Sign Stop Sign Stop Sign
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 0

Volume Module:
Base Vol: 0 98 250 14 67 0 0 0 0 346 1 8
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 98 250 14 67 0 0 0 0 346 1 8
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 98 250 14 67 0 0 0 0 346 1 8
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 98 250 14 67 0 0 0 0 346 1 8
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 98 250 14 67 0 0 0 0 346 1 8

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 0.28 0.72 0.17 0.83 0.00 0.00 1.00 0.00 0.97 0.01 0.02
Final Sat.: 0 215 549 110 525 0 0 600 0 666 2 15

Capacity Analysis Module:
Vol/Sat: xxxx 0.46 0.46 0.13 0.13 xxxx xxxx 0.00 xxxx 0.52 0.52 0.52
Crit Moves: **** **** **** ****
Delay/Veh: 0.0 10.9 10.9 9.0 9.0 0.0 0.0 0.0 0.0 13.0 13.0 13.0
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: 0.0 10.9 10.9 9.0 9.0 0.0 0.0 0.0 0.0 13.0 13.0 13.0
LOS by Move: * B B A * * * B B
ApproachDel: 10.9 9.0 xxxxxx 13.0
Delay Adj: 1.00 1.00 xxxxxx 1.00
ApprAdjDel: 10.9 9.0 xxxxxx 13.0
LOS by Appr: B A * B
AllWayAvgQ: 0.7 0.7 0.7 0.1 0.1 0.1 0.0 0.0 0.0 0.9 0.9 0.9

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

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #315 SR 99 & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.710
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 79 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	2	0	0	1	0	0	1	0

Volume Module:

Base Vol:	34	1564	699	40	907	6	13	28	22	200	6	51
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	1564	699	40	907	6	13	28	22	200	6	51
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	34	1564	699	40	907	6	13	28	0	200	6	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	1564	699	40	907	6	13	28	0	200	6	51
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.10	1.00	1.00
Final Volume:	34	1564	699	40	907	6	13	28	0	220	6	51

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	2.00	1.00	0.32	0.68	1.00	1.95	0.05	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	436	939	1375	2677	73	1375

Capacity Analysis Module:

Vol/Sat:	0.02	0.57	0.51	0.03	0.33	0.00	0.03	0.03	0.00	0.08	0.08	0.04
Crit Volume:	782			40			41			113		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Placer & Sutter Intersections)

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

Intersection #319 Industrial & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 0.400
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	1	0	0	1	1	0	0	0	0	0

Volume Module:

Base Vol:	279	100	0	0	109	268	246	0	307	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	279	100	0	0	109	268	246	0	307	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:	279	100	0	0	109	268	246	0	307	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	279	100	0	0	109	268	246	0	307	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	307	100	0	0	109	268	246	0	307	0	0	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:	2.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	2850	1425	0	0	1425	1425	1425	0	1425	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.11	0.07	0.00	0.00	0.08	0.19	0.17	0.00	0.22	0.00	0.00	0.00
Crit Volume:	153			109			307			0		
Crit Moves:	****			****			****					

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

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

City of Roseville
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#309 Watt Ave & Elverta Rd	A xxxxx	0.422	A xxxxx	0.422	+ 0.000 V/C
#310 Walerga Rd & Elverta Rd	C xxxxx	0.794	C xxxxx	0.794	+ 0.000 V/C
#311 Watt Ave & Antelope Rd	C xxxxx	0.759	C xxxxx	0.759	+ 0.000 V/C
#312 Walerga Rd & Antelope Rd	B xxxxx	0.678	B xxxxx	0.678	+ 0.000 V/C
#313 Watt Ave & Elkhorn	B xxxxx	0.652	B xxxxx	0.652	+ 0.000 V/C
#314 Walerga Rd & Elkhorn	A xxxxx	0.556	A xxxxx	0.556	+ 0.000 V/C

Existing Plus Project AM Thu Jun 20, 2013 16:29:31 Page 3-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #309 Watt Ave & Elverta Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.422
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	108	426	81	112	805	270	200	118	114	384	359	211
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	108	426	81	112	805	270	200	118	114	384	359	211
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	114	448	85	118	847	284	211	124	120	404	378	222
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	114	448	85	118	847	284	211	124	120	404	378	222
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	114	448	85	118	847	284	211	124	120	404	378	222

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:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	3000	4500	1500	3000	4500	1500	3000	3000	1500	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.04	0.10	0.06	0.04	0.19	0.19	0.07	0.04	0.08	0.13	0.13	0.15
Crit Volume:	57			282			105			189		
Crit Moves:	****			****			****			****		

Existing Plus Project AM Thu Jun 20, 2013 16:29:31 Page 4-1

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #310 Walerga Rd & Elverta Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.794
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	111	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	Ovl	Ovl	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1	2 0 1 1 0

Volume Module:

Base Vol:	201	447	68	165	1191	93	144	150	444	183	101	96
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	201	447	68	165	1191	93	144	150	444	183	101	96
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	212	471	72	174	1254	98	152	158	467	193	106	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	212	471	72	174	1254	98	152	158	467	193	106	101
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:	212	471	72	174	1254	98	152	158	467	193	106	101

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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	1.03	0.97
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	3000	1500	3000	1538	1462

Capacity Analysis Module:

Vol/Sat:	0.07	0.16	0.05	0.06	0.42	0.07	0.05	0.05	0.31	0.06	0.07	0.07
Crit Volume:	0			627			467			96		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #311 Watt Ave & Antelope Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.759
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 95 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	43	285	105	190	1058	63	25	183	48	418	250	163
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	43	285	105	190	1058	63	25	183	48	418	250	163
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	45	300	111	200	1114	66	26	193	51	440	263	172
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	300	111	200	1114	66	26	193	51	440	263	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:	45	300	111	200	1114	66	26	193	51	440	263	172

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:	1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	1500	3000	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.03	0.10	0.07	0.13	0.37	0.04	0.02	0.06	0.03	0.29	0.18	0.11
Crit Volume:	45			557			96			440		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #312 Walerga Rd & Antelope Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.678
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	1	2	0	1	1	0	1

Volume Module:

Base Vol:	130	554	102	302	1128	307	134	348	183	142	353	165
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	130	554	102	302	1128	307	134	348	183	142	353	165
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	137	583	107	318	1187	323	141	366	193	149	372	174
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	137	583	107	318	1187	323	141	366	193	149	372	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:	137	583	107	318	1187	323	141	366	193	149	372	174

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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	1.31	0.69	2.00	2.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	1966	1034	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.19	0.07	0.11	0.40	0.22	0.05	0.19	0.19	0.05	0.12	0.12
Crit Volume:	68			594			279			75		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #313 Watt Ave & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.652
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 66 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 3 0 1 2 0 2 1 0 2 0 2 0 1 2 0 2 0 1

Volume Module:
Base Vol: 139 369 77 44 1218 231 116 322 159 250 637 50
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 139 369 77 44 1218 231 116 322 159 250 637 50
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95
PHF Volume: 146 388 81 46 1282 243 122 339 167 263 671 53
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 146 388 81 46 1282 243 122 339 167 263 671 53
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: 146 388 81 46 1282 243 122 339 167 263 671 53

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: 2.00 3.00 1.00 2.00 2.52 0.48 2.00 2.00 1.00 2.00 2.00 1.00
Final Sat.: 3000 4500 1500 3000 3783 717 3000 3000 1500 3000 3000 1500

Capacity Analysis Module:
Vol/Sat: 0.05 0.09 0.05 0.02 0.34 0.34 0.04 0.11 0.11 0.09 0.22 0.04
Crit Volume: 73 508 61 335
Crit Moves: ****

City of Roseville
Fiddymment Ranch SPA 3 Update
Existing Plus Project: AM Peak Hour (Sacramento Co Intersections)

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

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.556
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 2 0 1 2 0 2 0 1 1 0 1 1 0 1 0 2 0 1

Volume Module:
Base Vol: 99 338 55 532 797 190 73 397 74 109 579 284
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 99 338 55 532 797 190 73 397 74 109 579 284
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95
PHF Volume: 104 356 58 560 839 200 77 418 78 115 609 299
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 104 356 58 560 839 200 77 418 78 115 609 299
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: 104 356 58 560 839 200 77 418 78 115 609 299

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: 2.00 2.00 1.00 2.00 2.00 1.00 1.00 1.69 0.31 1.00 2.00 1.00
Final Sat.: 3000 3000 1500 3000 3000 1500 1500 2529 471 1500 3000 1500

Capacity Analysis Module:
Vol/Sat: 0.03 0.12 0.04 0.19 0.28 0.13 0.05 0.17 0.17 0.08 0.20 0.20
Crit Volume: 52 419 248 115
Crit Moves: ****

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

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

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

Impact Analysis Report Level Of Service					
Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#309 Watt Ave & Elverta Rd	A xxxxx	0.423	A xxxxx	0.423	+ 0.000 V/C
#310 Walerga Rd & Elverta Rd	B xxxxx	0.659	B xxxxx	0.659	+ 0.000 V/C
#311 Watt Ave & Antelope Rd	B xxxxx	0.674	B xxxxx	0.674	+ 0.000 V/C
#312 Walerga Rd & Antelope Rd	C xxxxx	0.752	C xxxxx	0.752	+ 0.000 V/C
#313 Watt Ave & Elkhorn	A xxxxx	0.589	A xxxxx	0.589	+ 0.000 V/C
#314 Walerga Rd & Elkhorn	C xxxxx	0.726	C xxxxx	0.726	+ 0.000 V/C

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #309 Watt Ave & Elverta Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.423
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	305	521	350	148	351	143	324	421	110	266	204	147
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	305	521	350	148	351	143	324	421	110	266	204	147
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	521	350	148	351	143	324	421	110	266	204	147
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	305	521	350	148	351	143	324	421	110	266	204	147
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	521	350	148	351	143	324	421	110	266	204	147

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:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	3000	4500	1500	3000	4500	1500	3000	3000	1500	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.10	0.12	0.23	0.05	0.08	0.10	0.11	0.14	0.07	0.09	0.07	0.10
Crit Volume:	350	74		211			0					
Crit Moves:	****	****		****			****					

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #310 Walerga Rd & Elverta Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.659
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	2	0	2	0	1	2	0

Volume Module:

Base Vol:	498	842	175	188	810	64	410	228	277	147	190	69
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	498	842	175	188	810	64	410	228	277	147	190	69
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:	498	842	175	188	810	64	410	228	277	147	190	69
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	498	842	175	188	810	64	410	228	277	147	190	69
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:	498	842	175	188	810	64	410	228	277	147	190	69

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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	2.00	1.47	0.53
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	3000	1500	3000	2201	799

Capacity Analysis Module:

Vol/Sat:	0.17	0.28	0.12	0.06	0.27	0.04	0.14	0.08	0.18	0.05	0.09	0.09
Crit Volume:	249			405			205			130		
Crit Moves:	****			****			****			****		

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #311 Watt Ave & Antelope Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.674
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 70 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Ovl Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 2 0 1 1 0 2 0 1 1 0 1 0 1

Volume Module:
Base Vol: 82 909 397 134 544 46 121 338 53 253 227 219
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 82 909 397 134 544 46 121 338 53 253 227 219
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: 82 909 397 134 544 46 121 338 53 253 227 219
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 82 909 397 134 544 46 121 338 53 253 227 219
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: 82 909 397 134 544 46 121 338 53 253 227 219

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: 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 1.00 1.00
Final Sat.: 1500 3000 1500 1500 3000 1500 1500 3000 1500 1500 1500 1500

Capacity Analysis Module:
Vol/Sat: 0.05 0.30 0.26 0.09 0.18 0.03 0.08 0.11 0.04 0.17 0.15 0.15
Crit Volume: 455 134 169 253
Crit Moves: **** **** **** ****

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #312 Walerga Rd & Antelope Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.752
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 92 Level Of Service: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Include Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 2 0 1 2 0 2 0 1 2 0 1 1 0 2 0 2 0 1

Volume Module:
Base Vol: 233 1153 121 315 820 235 342 460 170 157 447 265
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 233 1153 121 315 820 235 342 460 170 157 447 265
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: 233 1153 121 315 820 235 342 460 170 157 447 265
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 233 1153 121 315 820 235 342 460 170 157 447 265
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: 233 1153 121 315 820 235 342 460 170 157 447 265

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: 2.00 2.00 1.00 2.00 2.00 1.00 2.00 1.46 0.54 2.00 2.00 1.00
Final Sat.: 3000 3000 1500 3000 3000 1500 3000 2190 810 3000 3000 1500

Capacity Analysis Module:
Vol/Sat: 0.08 0.38 0.08 0.11 0.27 0.16 0.11 0.21 0.21 0.05 0.15 0.18
Crit Volume: 577 158 171 224
Crit Moves: **** **** **** ****

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #313 Watt Ave & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.589
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 56 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Ovl			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	3	0	1	2	0	2	1	0	2	0

Volume Module:

Base Vol:	177	1145	183	129	608	135	421	640	194	236	380	94
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	177	1145	183	129	608	135	421	640	194	236	380	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:	177	1145	183	129	608	135	421	640	194	236	380	94
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	177	1145	183	129	608	135	421	640	194	236	380	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	1.00	1.00	1.00	1.00	1.00	1.00
Final Volume:	177	1145	183	129	608	135	421	640	194	236	380	94

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:	2.00	3.00	1.00	2.00	2.45	0.55	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	3000	4500	1500	3000	3682	818	3000	3000	1500	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.06	0.25	0.12	0.04	0.17	0.17	0.14	0.21	0.13	0.08	0.13	0.06
Crit Volume:	382			65			320			118		
Crit Moves:	****			****			****			****		

City off Roseville
Fiddymnt SPA 3
Existing Plus Project: PM Peak Hour (Sacramento Co Intersections)

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

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.726
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 83 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Ovl			Include			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2	0	2	0	1	2	0	2	0	1	0	1

Volume Module:

Base Vol:	77	699	103	382	457	129	179	646	93	146	613	561
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	77	699	103	382	457	129	179	646	93	146	613	561
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:	77	699	103	382	457	129	179	646	93	146	613	561
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	699	103	382	457	129	179	646	93	146	613	561
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:	77	699	103	382	457	129	179	646	93	146	613	561

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:	2.00	2.00	1.00	2.00	2.00	1.00	1.00	1.75	0.25	1.00	2.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	1500	2622	378	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.03	0.23	0.07	0.13	0.15	0.09	0.12	0.25	0.25	0.10	0.20	0.37
Crit Volume:	350			0			179			561		
Crit Moves:	****			****			****			****		

INTERSECTION ANALYSIS
ROCKLIN FUTURE

City of Rocklin
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: PM Peak Hour (Rocklin City Intersections)

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

City of Rocklin
 Fiddymment Ranch SPA 3 Update
 Existing Plus Project: PM Peak Hour (Rocklin City Intersections)

Impact Analysis Report
 Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#1101 Blue Oaks Bl & Lonetree	A xxxxx	0.535	A xxxxx	0.535	+ 0.000 V/C
#1129 Sunset Bl & Blue Oaks Bl	B xxxxx	0.691	B xxxxx	0.691	+ 0.000 V/C
#1132 Sunset Bl & Park Dr	D xxxxx	0.880	D xxxxx	0.880	+ 0.000 V/C
#1134 Sunset Bl & Stanford Ranch Rd	D xxxxx	0.810	D xxxxx	0.810	+ 0.000 V/C

Existing PM Plus Project Thu Jun 20, 2013 16:29:50 Page 3-1

City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1101 Blue Oaks Bl & Lonetree

Cycle (sec):	100	Critical Vol./Cap.(X):	0.535
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ignore	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	1 0 2 0 1	2 0 2 0 1	1 0 2 0 1

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Volume Module:

Base Vol:	264	288	59	58	223	640	625	435	275	107	270	67
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	264	288	59	58	223	640	625	435	275	107	270	67
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	264	288	59	58	223	0	625	435	0	107	270	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	264	288	59	58	223	0	625	435	0	107	270	67
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.00	1.00	0.00	1.10	1.00	0.00	1.00	1.00	1.00
FinalVolume:	290	288	59	58	223	0	688	435	0	107	270	67

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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	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2750	2750	1375	1375	2750	1375	2750	2750	1375	1375	2750	1375

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Capacity Analysis Module:

Vol/Sat:	0.11	0.10	0.04	0.04	0.08	0.00	0.25	0.16	0.00	0.08	0.10	0.05
Crit Volume:	145			112			344				135	
Crit Moves:	****			****			****				****	

Existing PM Plus Project Thu Jun 20, 2013 16:29:50 Page 4-1

City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1129 Sunset Bl & Blue Oaks Bl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.691
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	74	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

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Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	1 0 0 1 0	1 0 3 0 1	1 0 3 0 1

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Volume Module:

Base Vol:	80	36	325	29	20	4	27	563	130	409	592	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	80	36	325	29	20	4	27	563	130	409	592	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	80	36	325	29	20	4	27	563	0	409	592	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	36	325	29	20	4	27	563	0	409	592	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	88	36	325	29	20	4	27	563	0	409	592	58

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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:	1.42	0.58	1.00	1.00	0.83	0.17	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1952	798	1375	1375	1146	229	1375	4125	1375	1375	4125	1375

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Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.24	0.02	0.02	0.02	0.02	0.14	0.00	0.30	0.14	0.04
Crit Volume:			325	29			188			409		
Crit Moves:	****	****					****			****		

City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1132 Sunset Bl & Park Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.880
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Ignore			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	3	0	1	2	0	2	0	1	0	3

Volume Module:

Base Vol:	400	487	116	293	364	67	382	635	79	441	740	187
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	400	487	116	293	364	67	382	635	79	441	740	187
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	400	487	116	293	364	67	382	635	0	441	740	187
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	400	487	116	293	364	67	382	635	0	441	740	187
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	0.00	1.10	1.00	1.00
FinalVolume:	400	487	116	322	364	67	382	635	0	485	740	187

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	3.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1375	4125	1375	2750	2750	1375	1375	4125	1375	2750	4125	1375

Capacity Analysis Module:

Vol/Sat:	0.29	0.12	0.08	0.12	0.13	0.05	0.28	0.15	0.00	0.18	0.18	0.14
Crit Volume:	400			182			382			247		
Crit Moves:	****			****			****			****		

City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing Plus Project: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1134 Sunset Bl & Stanford Ranch Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.810
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 120 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ignore			Ignore			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	1	1	0	2	0	1	0	2

Volume Module:

Base Vol:	486	684	96	226	385	146	121	535	287	168	633	222
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	486	684	96	226	385	146	121	535	287	168	633	222
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	486	684	0	226	385	0	121	535	0	168	633	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	486	684	0	226	385	0	121	535	0	168	633	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.10	1.00	0.00	1.00	1.00	0.00
FinalVolume:	486	684	0	226	385	0	133	535	0	168	633	0

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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	2750	2750	1375	1375	2750	1375

Capacity Analysis Module:

Vol/Sat:	0.35	0.25	0.00	0.16	0.14	0.00	0.05	0.19	0.00	0.12	0.23	0.00
Crit Volume:	486			193			267			168		
Crit Moves:	****			****			****			****		

City of Rocklin General Plan Update
2030 Plus Project
PM Peak Hour LOS

Scenario Report

Scenario: GP30 Future Geo
Command: GP30 Future Geo
Volume: GP30
Geometry: Future
Impact Fee: Default Impact Fee
Trip Generation: Default Trip Generation
Trip Distribution: Default Trip Distribution
Paths: Default Path
Routes: Default Route
Configuration: Default Configuration

City of Rocklin General Plan Update
2030 Plus Project
PM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#101 Blue Oaks Bl & Lonetree	E xxxxx	0.914	E xxxxx	0.914	+ 0.000 V/C
#129 Sunset Bl & Blue Oaks Bl	C xxxxx	0.791	C xxxxx	0.791	+ 0.000 V/C
#132 Sunset Bl & Park Dr	D xxxxx	0.821	D xxxxx	0.821	+ 0.000 V/C
#134 Sunset Bl & Stanford Ranch Rd	B xxxxx	0.699	B xxxxx	0.699	+ 0.000 V/C

GP30 Future Geo Tue Jun 18, 2013 14:21:15 Page 3-1

City of Rocklin General Plan Update
2030 Plus Project
PM Peak Hour LOS

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

Intersection #101 Blue Oaks Bl & Lonetree

Cycle (sec):	100	Critical Vol./Cap.(X):	0.914
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	E

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ignore	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	1 0 2 0 1	2 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	651 388 92	49 758 941	810 589 487	132 432 61
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	651 388 92	49 758 941	810 589 487	132 432 61
User Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
PHF Volume:	651 388 92	49 758 0	810 589 0	132 432 61
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	651 388 92	49 758 0	810 589 0	132 432 61
PCE Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 1.00
FinalVolume:	651 388 92	49 758 0	810 589 0	132 432 61

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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 2.00 1.00	1.00 2.00 1.00	2.00 2.00 1.00	1.00 2.00 1.00
Final Sat.:	2900 2900 1450	1450 2900 1450	2900 2900 1450	1450 2900 1450

Capacity Analysis Module:

Vol/Sat:	0.22 0.13 0.06	0.03 0.26 0.00	0.28 0.20 0.00	0.09 0.15 0.04
Crit Volume:	326	379	405	216
Crit Moves:	****	****	****	****

GP30 Future Geo Tue Jun 18, 2013 14:21:15 Page 4-1

City of Rocklin General Plan Update
2030 Plus Project
PM Peak Hour LOS

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

Intersection #129 Sunset Bl & Blue Oaks Bl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.791
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	109	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	1 0 0 1 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	303 36 338	29 20 4	27 1653 377	398 1720 58
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	303 36 338	29 20 4	27 1653 377	398 1720 58
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00
PHF Volume:	303 36 338	29 20 4	27 1653 0	398 1720 58
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	303 36 338	29 20 4	27 1653 0	398 1720 58
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 1.00
FinalVolume:	303 36 338	29 20 4	27 1653 0	398 1720 58

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
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:	1.79 0.21 1.00	1.00 0.83 0.17	1.00 3.00 1.00	1.00 3.00 1.00
Final Sat.:	2592 308 1450	1450 1208 242	1450 4350 1450	1450 4350 1450

Capacity Analysis Module:

Vol/Sat:	0.12 0.12 0.23	0.02 0.02 0.02	0.02 0.38 0.00	0.27 0.40 0.04
Crit Volume:	170	29	551	398
Crit Moves:	****	****	****	****

City of Rocklin General Plan Update
2030 Plus Project
PM Peak Hour LOS

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

Intersection #132 Sunset Bl & Park Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.821
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 127 Level Of Service: D

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Include Ignore Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 3 0 1 2 0 3 0 1 2 0 3 0 1

Volume Module:
Base Vol: 737 602 117 249 422 92 405 1349 355 462 1404 116
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 737 602 117 249 422 92 405 1349 355 462 1404 116
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
PHF Volume: 737 602 117 249 422 92 405 1349 0 462 1404 116
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 737 602 117 249 422 92 405 1349 0 462 1404 116
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00
Final Volume: 737 602 117 249 422 92 405 1349 0 462 1404 116

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 3.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.: 2900 4350 1450 2900 4350 1450 2900 4350 1450 2900 4350 1450

Capacity Analysis Module:
Vol/Sat: 0.25 0.14 0.08 0.09 0.10 0.06 0.14 0.31 0.00 0.16 0.32 0.08
Crit Volume: 368 141 450 231
Crit Moves: ****

City of Rocklin General Plan Update
2030 Plus Project
PM Peak Hour LOS

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

Intersection #134 Sunset Bl & Stanford Ranch Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.699
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 3 0 1 2 0 3 0 1 2 0 3 0 1

Volume Module:
Base Vol: 446 611 320 252 426 141 93 1091 377 381 1196 235
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 446 611 320 252 426 141 93 1091 377 381 1196 235
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: 446 611 320 252 426 141 93 1091 377 381 1196 235
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 446 611 320 252 426 141 93 1091 377 381 1196 235
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: 446 611 320 252 426 141 93 1091 377 381 1196 235

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
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 3.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.: 2900 4350 1450 2900 4350 1450 2900 4350 1450 2900 4350 1450

Capacity Analysis Module:
Vol/Sat: 0.15 0.14 0.22 0.09 0.10 0.10 0.03 0.25 0.26 0.13 0.27 0.16
Crit Volume: 320 126 377 191
Crit Moves: ****

City of Rocklin General Plan Update
2030 Plus Project With Fiddymment SPA3
PM Peak Hour LOS

Scenario Report

Scenario: GP30 Future Geo
Command: GP30 Future Geo
Volume: GP30
Geometry: Future
Impact Fee: Default Impact Fee
Trip Generation: Default Trip Generation
Trip Distribution: Default Trip Distribution
Paths: Default Path
Routes: Default Route
Configuration: Default Configuration

City of Rocklin General Plan Update
2030 Plus Project With Fiddymment SPA3
PM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
#101 Blue Oaks Bl & Lonetree	E xxxxx	0.915	E xxxxx	0.915	+ 0.000 V/C
#129 Sunset Bl & Blue Oaks Bl	C xxxxx	0.786	C xxxxx	0.786	+ 0.000 V/C
#132 Sunset Bl & Park Dr	D xxxxx	0.816	D xxxxx	0.816	+ 0.000 V/C
#134 Sunset Bl & Stanford Ranch Rd	B xxxxx	0.700	B xxxxx	0.700	+ 0.000 V/C

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City of Rocklin General Plan Update
2030 Plus Project With Fiddymment SPA3
PM Peak Hour LOS

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

Intersection #101 Blue Oaks Bl & Lonetree

Cycle (sec):	100	Critical Vol./Cap.(X):	0.915
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	E

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ignore	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	1 0 2 0 1	2 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	665	390	89	53	749	939	813	589	495	131	427	61
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	665	390	89	53	749	939	813	589	495	131	427	61
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	665	390	89	53	749	0	813	589	0	131	427	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	665	390	89	53	749	0	813	589	0	131	427	61
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	665	390	89	53	749	0	813	589	0	131	427	61

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	2900	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.23	0.13	0.06	0.04	0.26	0.00	0.28	0.20	0.00	0.09	0.15	0.04
Crit Volume:	333				375		407			214		
Crit Moves:	****				****		****			****		

GP30 Future Geo Tue Jun 18, 2013 14:26:56 Page 4-1

City of Rocklin General Plan Update
2030 Plus Project With Fiddymment SPA3
PM Peak Hour LOS

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

Intersection #129 Sunset Bl & Blue Oaks Bl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.786
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	107	Level Of Service:	C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Ovl	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	1 0 0 1 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	296	36	346	29	20	4	27	1647	375	396	1733	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	296	36	346	29	20	4	27	1647	375	396	1733	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	296	36	346	29	20	4	27	1647	0	396	1733	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	296	36	346	29	20	4	27	1647	0	396	1733	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Final Volume:	296	36	346	29	20	4	27	1647	0	396	1733	58

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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:	1.78	0.22	1.00	1.00	0.83	0.17	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	2586	314	1450	1450	1208	242	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.24	0.02	0.02	0.02	0.02	0.38	0.00	0.27	0.40	0.04
Crit Volume:	166			29			549			396		
Crit Moves:	****			****			****			****		

GP30 Future Geo Tue Jun 18, 2013 14:26:56 Page 5-1

City of Rocklin General Plan Update
2030 Plus Project With Fiddymment SPA3
PM Peak Hour LOS

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

Intersection #132 Sunset Bl & Park Dr

Cycle (sec):	100	Critical Vol./Cap.(X):	0.816
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	124	Level Of Service:	D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	741	603	117	249	420	89	403	1358	352	463	1414	116
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	741	603	117	249	420	89	403	1358	352	463	1414	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	741	603	117	249	420	89	403	1358	0	463	1414	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	741	603	117	249	420	89	403	1358	0	463	1414	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	741	603	117	249	420	89	403	1358	0	463	1414	116

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.26	0.14	0.08	0.09	0.10	0.06	0.14	0.31	0.00	0.16	0.33	0.08
Crit Volume:	371			140			202			471		
Crit Moves:	****			****			****			****		

GP30 Future Geo Tue Jun 18, 2013 14:26:56 Page 6-1

City of Rocklin General Plan Update
2030 Plus Project With Fiddymment SPA3
PM Peak Hour LOS

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

Intersection #134 Sunset Bl & Stanford Ranch Rd

Cycle (sec):	100	Critical Vol./Cap.(X):	0.700
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	76	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	450	614	314	252	426	140	94	1092	385	380	1204	236
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	450	614	314	252	426	140	94	1092	385	380	1204	236
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	450	614	314	252	426	140	94	1092	385	380	1204	236
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	450	614	314	252	426	140	94	1092	385	380	1204	236
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	450	614	314	252	426	140	94	1092	385	380	1204	236

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.14	0.22	0.09	0.10	0.10	0.03	0.25	0.27	0.13	0.28	0.16
Crit Volume:			314	126					385	190		
Crit Moves:			****	****					****	****		

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

Impact Analysis Report					
Level Of Service					
Intersection	Base		Future		Change in
	Del/	V/	Del/	V/	
	LOS Veh	C	LOS Veh	C	
#1101 Blue Oaks Bl & Lonetree	A	xxxxx 0.509	A	xxxxx 0.509	+ 0.000 V/C
#1129 Sunset Bl & Blue Oaks Bl	B	xxxxx 0.681	B	xxxxx 0.681	+ 0.000 V/C
#1132 Sunset Bl & Park Dr	D	xxxxx 0.866	D	xxxxx 0.866	+ 0.000 V/C
#1134 Sunset Bl & Stanford Ranch Rd	C	xxxxx 0.793	C	xxxxx 0.793	+ 0.000 V/C

Existing PM Thu Jun 20, 2013 16:29:47 Page 3-1

City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1101 Blue Oaks Bl & Lonetree

Cycle (sec):	100	Critical Vol./Cap.(X):	0.509
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	46	Level Of Service:	A

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Protected	Protected	Protected	Protected
Rights:	Include	Ignore	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	2 0 2 0 1	1 0 2 0 1	2 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	223	290	61	60	233	607	612	430	264	108	247	67
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	223	290	61	60	233	607	612	430	264	108	247	67
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	223	290	61	60	233	0	612	430	0	108	247	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	223	290	61	60	233	0	612	430	0	108	247	67
PCE Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.00	1.00	0.00	1.10	1.00	0.00	1.00	1.00	1.00
FinalVolume:	245	290	61	60	233	0	673	430	0	108	247	67

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	2.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2750	2750	1375	1375	2750	1375	2750	2750	1375	1375	2750	1375

Capacity Analysis Module:

Vol/Sat:	0.09	0.11	0.04	0.04	0.08	0.00	0.24	0.16	0.00	0.08	0.09	0.05
Crit Volume:	123			116			337			124		
Crit Moves:	****			****			****			****		

Existing PM Thu Jun 20, 2013 16:29:47 Page 4-1

City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1129 Sunset Bl & Blue Oaks Bl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.681
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	71	Level Of Service:	B

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R

Control:	Split Phase	Split Phase	Protected	Protected
Rights:	Include	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 1 0 0 1	1 0 0 1 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	87	36	320	29	20	4	27	580	125	394	578	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	87	36	320	29	20	4	27	580	125	394	578	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	87	36	320	29	20	4	27	580	0	394	578	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	36	320	29	20	4	27	580	0	394	578	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
FinalVolume:	96	36	320	29	20	4	27	580	0	394	578	58

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:	1.45	0.55	1.00	1.00	0.83	0.17	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1998	752	1375	1375	1146	229	1375	4125	1375	1375	4125	1375

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.23	0.02	0.02	0.02	0.02	0.14	0.00	0.29	0.14	0.04
Crit Volume:			320	29			193			394		
Crit Moves:	****	****					****			****		

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City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1132 Sunset Bl & Park Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.866
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 170 Level Of Service: D

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Include	Include	Ignore	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 3 0 1	2 0 2 0 1	1 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	393	493	116	293	354	73	384	638	83	438	710	181
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	393	493	116	293	354	73	384	638	83	438	710	181
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
PHF Volume:	393	493	116	293	354	73	384	638	0	438	710	181
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	393	493	116	293	354	73	384	638	0	438	710	181
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	0.00	1.10	1.00	1.00
FinalVolume:	393	493	116	322	354	73	384	638	0	482	710	181

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	3.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	1375	4125	1375	2750	2750	1375	1375	4125	1375	2750	4125	1375

Capacity Analysis Module:

Vol/Sat:	0.29	0.12	0.08	0.12	0.13	0.05	0.28	0.15	0.00	0.18	0.17	0.13
Crit Volume:	393			177			384			237		
Crit Moves:	****			****			****			****		

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City of Rocklin
Fiddymment Ranch SPA 3 Update
Existing: PM Peak Hour (Rocklin City Intersections)

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

Intersection #1134 Sunset Bl & Stanford Ranch Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.793
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 110 Level Of Service: C

Approach:	North Bound	South Bound	East Bound	West Bound
Movement:	L - T - R	L - T - R	L - T - R	L - T - R
Control:	Protected	Protected	Protected	Protected
Rights:	Ignore	Ignore	Ignore	Ignore
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0	4.0 4.0 4.0
Lanes:	1 0 2 0 1	1 0 2 0 1	2 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	467	676	98	226	383	146	122	539	285	163	615	220
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	467	676	98	226	383	146	122	539	285	163	615	220
User Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	467	676	0	226	383	0	122	539	0	163	615	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	467	676	0	226	383	0	122	539	0	163	615	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	0.00	1.10	1.00	0.00	1.00	1.00	0.00
FinalVolume:	467	676	0	226	383	0	134	539	0	163	615	0

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	2.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	2750	2750	1375	1375	2750	1375

Capacity Analysis Module:

Vol/Sat:	0.34	0.25	0.00	0.16	0.14	0.00	0.05	0.20	0.00	0.12	0.22	0.00
Crit Volume:	467			192			270			163		
Crit Moves:	****			****			****			****		

2011 VS 2013 EXISTING LOS TABLES

Appendix Table**Level of Service at Roseville Signalized Intersections****Existing 2011 Conditions and Existing 2013 Conditions - AM Peak Hour**

		Existing Conditions			
		2011 AM Peak Hour		2013 AM Peak Hour	
Intersection					
ID	Intersection Name	LOS	V/C	LOS	V/C
Existing Signalized Intersections					
1	Atlantic St & Tiger Way/Center St	A	0.35	A	0.38
2	Atlantic St & Wills Rd	A	0.46	A	0.46
3	Atlantic St & Yosemite St	A	0.43	A	0.45
4	Baseline Rd & Fiddymment Rd	B	0.67	C	0.74
5	Blue Oaks Blvd & Crocker Ranch Rd	A	0.22	A	0.25
6	Blue Oaks Blvd & Del Webb Blvd	A	0.14	A	0.17
7	Blue Oaks Blvd & Fiddymment Rd	A	0.20	A	0.28
8	Blue Oaks Blvd & New Meadow Dr	A	0.34	B	0.63
9	Blue Oaks Blvd & Orchard View	A	0.08	A	0.13
10	Blue Oaks Blvd & Diamond Creek Blvd	A	0.36	A	0.39
11	Blue Oaks Blvd & Foothills Blvd	B	0.64	C	0.72
12	Blue Oaks Blvd & Woodcreek Oaks Blvd	B	0.61	B	0.63
13	Cirby Way & Sunrise Ave	B	0.65	C	0.77
14	Cirby Way & Foothills Blvd	B	0.67	B	0.66
15	Cirby Way & Melody Ln	A	0.48	A	0.53
16	Cirby Way & Northridge Dr	A	0.58	A	0.59
17	Cirby Way & Oak Ridge Dr	A	0.48	A	0.44
18	Cirby Way & Orlando Ave	A	0.56	A	0.49
19	Cirby Way & Parkview Dr	A	0.54	A	0.45
20	Cirby Way & Riverside Ave	C	0.78	C	0.73
21	Cirby Way & Rocky Ridge Dr	B	0.61	A	0.58
22	Cirby Way & San Simeon Dr	A	0.42	A	0.41
23	Cirby Way & Vernon St	C	0.71	B	0.67
24	Douglas Blvd & Eureka Rd	A	0.49	A	0.53
25	Douglas Blvd & Rocky Ridge Dr	A	0.51	A	0.52
26	Douglas Blvd & Santa Clara Dr	A	0.49	A	0.44
27	Douglas Blvd & Sierra Gardens Dr	A	0.44	A	0.43
28	Douglas Blvd & Sunrise Ave	B	0.60	A	0.56
29	Douglas Blvd & Target Dwy	A	0.34	A	0.36
30	Douglas Blvd & E Roseville Pkwy	B	0.64	B	0.69
31	Douglas Blvd & Folsom Rd	A	0.38	A	0.37
32	Douglas Blvd & Harding Blvd	A	0.47	A	0.52
33	Douglas Blvd & Judah St	A	0.36	A	0.32
34	Douglas Blvd & Keehner Ave	A	0.34	A	0.31
35	Douglas Blvd & Park Dr	A	0.25	A	0.23
36	Douglas Blvd & Sierra College Blvd	B	0.68	C	0.71
37	Eureka Rd & Lead Hill Blvd	A	0.36	A	0.33
38	Eureka Rd & N. Sunrise Ave	A	0.48	A	0.38
39	Eureka Rd & Rocky Ridge Dr	A	0.34	A	0.45
40	Eureka Rd & Ashland Dr	A	0.21	A	0.22
41	Eureka Rd & Deer Valley Apts Dwy	C	0.79	A	0.31
42	Fairway Dr & Central Park Dr/Lowes Dwy	A	0.24	A	0.16
43	Fairway Dr & Cortina Cir	A	0.12	A	0.17

Appendix Table**Level of Service at Roseville Signalized Intersections****Existing 2011 Conditions and Existing 2013 Conditions - AM Peak Hour**

		Existing Conditions			
		2011 AM Peak Hour		2013 AM Peak Hour	
Intersection					
ID	Intersection Name	LOS	V/C	LOS	V/C
44	Fairway Dr & Five Star Blvd	A	0.32	A	0.14
45	Fairway Dr & Home Depot Dwy	A	0.38	A	0.15
46	Fairway Dr & Target Dwy/Rosehall Dr	A	0.43	A	0.21
47	Del Webb Blvd/Village Green Dr & Fiddymment Rd	A	0.26	A	0.32
48	Hayden Pkwy North & Fiddymment Rd	A	0.10	A	0.10
49	Hayden Pkwy South & Fiddymment Rd	A	0.22	A	0.29
50	Baseline Rd/Main St & Foothills Blvd	B	0.61	B	0.66
51	Misty Wood Dr/NEC Dwy & Foothills Blvd	A	0.27	A	0.28
52	Albertsons Dr & Foothills Blvd	A	0.28	A	0.27
54	Roseville Pkwy/HP Central Dwy & Foothills Blvd	A	0.25	A	0.21
55	HP South Dwy & Foothills Blvd	A	0.23	A	0.19
56	Junction Blvd & Foothills Blvd	A	0.54	A	0.47
57	McAnally Dr & Foothills Blvd	A	0.35	A	0.39
58	Pleasant Grove Blvd & Foothills Blvd	A	0.50	A	0.55
59	Rand Way/Pilgrims Dr & Foothills Blvd	A	0.37	A	0.34
60	Vineyard Rd & Foothills Blvd	A	0.41	A	0.53
61	Antelope Creek Dr & Galleria Blvd	A	0.35	A	0.31
62	Berry St & Galleria Blvd	A	0.52	A	0.50
63	Roseville Pkwy & Galleria Blvd	A	0.48	A	0.54
64	Wills Rd & Harding Blvd	B	0.62	A	0.50
65	Estates Dr & Harding Blvd	A	0.36	A	0.35
66	Lead Hill Blvd & Harding Blvd	A	0.40	A	0.37
67	Roseville Square Dwy & Harding Blvd	A	0.29	A	0.27
68	Junction Blvd & Stonecrest Dr/Magenta Dr	A	0.28	A	0.24
69	Junction Blvd & Americana Dr	A	0.35	A	0.35
70	Baseline Rd & Junction Blvd	A	0.33	A	0.29
71	Junction Blvd & Country Club Dr	A	0.48	A	0.41
72	Junction Blvd & Park Regency Dr	A	0.30	A	0.30
73	Junction Blvd & Porter Dr	A	0.31	A	0.30
74	Junction Blvd & Revere Dr	A	0.26	A	0.24
75	Junction Blvd & Washington Blvd	A	0.33	A	0.32
76	Junction Blvd & Woodcreek Oaks Blvd	A	0.34	A	0.29
77	Lead Hill Blvd & N. Sunrise Ave	A	0.47	A	0.39
78	Lead Hill Blvd & Rocky Ridge Dr	A	0.36	A	0.36
79	Lead Hill Blvd & Wal-Mart Dwy	A	0.18	A	0.19
80	N. Sunrise Ave & Automall Dr	A	0.37	A	0.29
81	Stone Point Dr & N. Sunrise Ave	A	0.13	A	0.12
82	Sierra Gardens Dr & N. Sunrise Ave	A	0.37	A	0.29
83	Olympus Dr & Europa St	A	0.12	A	0.18
84	PFE Rd & Hilltop Cir	A	0.37	A	0.41
85	Fairway Dr & Pleasant Grove Blvd	A	0.37	A	0.45
86	Pleasant Grove Blvd & Fiddymment Rd	A	0.34	A	0.43
87	Pleasant Grove Blvd & Gold Coast Dr/Hallissy Dr	A	0.50	A	0.49
88	Highland Park Dr & Pleasant Grove Blvd	A	0.23	A	0.42
89	Market St & Pleasant Grove Blvd	A	0.04	A	0.19
90	Pleasant Grove Blvd & Michener Dr	A	0.25	A	0.35

Appendix Table**Level of Service at Roseville Signalized Intersections****Existing 2011 Conditions and Existing 2013 Conditions - AM Peak Hour**

		Existing Conditions			
		2011 AM Peak Hour		2013 AM Peak Hour	
Intersection		LOS	V/C	LOS	V/C
ID	Intersection Name	LOS	V/C	LOS	V/C
91	Pleasant Grove Blvd & Monument Dr	A	0.06	A	0.26
92	Pleasant Grove Blvd & Rose Creek Rd	A	0.19	A	0.30
93	Pleasant Grove Blvd & Roseville Pkwy	A	0.43	C	0.70
94	Pleasant Grove Blvd & Sun City Blvd	A	0.20	A	0.28
95	Highland Pointe Dr & Pleasant Grove Blvd	A	0.32	A	0.43
96	Pleasant Grove Blvd & Washington Blvd	A	0.46	A	0.53
97	Pleasant Grove Blvd & Country Club Dr	A	0.46	A	0.56
98	Pleasant Grove Blvd & Woodcreek Oaks Blvd	A	0.45	A	0.49
99	Maidu Dr & Rocky Ridge Dr	A	0.44	A	0.36
100	McLaren Dr & Rocky Ridge Dr	A	0.41	A	0.34
101	Professional Dr & Rocky Ridge Dr	A	0.48	A	0.43
102	Rocky Ridge Dr & Stone Point Dr	A	0.09	A	0.12
103	Roseville Pkwy & Chase Dr	A	0.43	A	0.43
104	Roseville Pkwy & Creekside Ridge Dr	A	0.39	A	0.41
105	Roseville Pkwy & Gibson Dr East	A	0.39	A	0.47
106	Roseville Pkwy & N. Sunrise Ave	A	0.49	B	0.62
107	Roseville Pkwy & Reserve Dr	A	0.42	A	0.50
108	Roseville Pkwy & Secret Ravine Pkwy	A	0.39	A	0.42
109	Roseville Pkwy & Taylor Rd	A	0.59	B	0.69
110	West Mall Dwy & Roseville Pkwy	A	0.38	A	0.47
111	Alexandra Dr & Roseville Pkwy	A	0.41	A	0.41
112	Eureka Rd & Roseville Pkwy	A	0.33	A	0.42
113	Lead Hill Blvd/Orvieto Dr & Roseville Pkwy	A	0.49	A	0.41
114	Roseville Pkwy & N. Cirby Way	A	0.35	A	0.35
115	Olympus Dr & Roseville Pkwy	A	0.51	A	0.42
116	Rocky Ridge Dr & Roseville Pkwy	A	0.38	A	0.41
117	Roseville Pkwy & Sierra College Blvd	B	0.68	A	0.58
118	Trestle Rd & Roseville Pkwy	A	0.25	A	0.23
119	Village Dr & Roseville Pkwy	A	0.26	A	0.29
120	Roseville Pkwy & Washington Blvd	A	0.15	A	0.48
121	S Cirby Way & Champion Oaks Dr	A	0.36	A	0.42
122	S Cirby Way & Old Auburn Rd	B	0.63	B	0.67
123	Secret Ravine Pkwy & Scarborough Dr/ Poppy Fl	A	0.26	A	0.30
124	Miners Ravine & Sierra College Blvd	A	0.44	A	0.35
125	Secret Ravine Pkwy & Sierra College Blvd	A	0.43	A	0.42
126	Eureka Rd & Sierra College Blvd	A	0.59	A	0.59
127	Indigo Creek Apts & Sierra College Blvd	A	0.35	A	0.38
128	Old Auburn Rd & Sierra College Blvd	A	0.56	C	0.75
129	Olympus Dr & Sierra College Blvd	A	0.48	A	0.46
130	Fairway Dr & Stanford Ranch Rd	A	0.37	A	0.35
131	Five Star Blvd & Stanford Ranch Rd	A	0.47	A	0.43
132	Highland Park Dr & Stanford Ranch Rd	A	0.31	A	0.33
133	Coloma Way & Sunrise Ave	B	0.64	B	0.60
134	Sandringham Way/Kensington Dr & Sunrise Ave	A	0.48	A	0.49
135	Sun Tree Dr/Kensington Dr & Sunrise Ave	A	0.53	A	0.59

Appendix Table**Level of Service at Roseville Signalized Intersections****Existing 2011 Conditions and Existing 2013 Conditions - AM Peak Hour**

Intersection		Existing Conditions			
		2011 AM Peak Hour		2013 AM Peak Hour	
ID	Intersection Name	LOS	V/C	LOS	V/C
136	Frances Dr & Sunrise Ave	A	0.53	A	0.50
137	Oak Ridge Dr & Sunrise Ave	A	0.32	A	0.22
138	Diamond Oaks Rd & Washington Blvd	A	0.51	A	0.57
139	Sawtell Rd/Derek Pl & Washington Blvd	A	0.26	A	0.30
140	Hallissy Dr & Washington Blvd	A	0.42	A	0.31
141	Baseline Rd & Woodcreek Oaks Blvd	B	0.60	B	0.63
142	Canevari Dr/Arsenault Dr & Woodcreek Oaks Blvd	A	0.57	A	0.52
143	Horncastle Ave & Woodcreek Oaks Blvd	A	0.44	A	0.28
144	McAnally Dr & Woodcreek Oaks Blvd	A	0.45	A	0.38
145	Trailee Ln & Woodcreek Oaks Blvd	A	0.36	A	0.32
146	Blue Oaks Blvd & Washington Blvd	B	0.61	A	0.50
147	Douglas Blvd & I-80 EB Ramps	A	0.34	A	0.38
148	Douglas Blvd & I-80 WB Off-Ramp	A	0.51	A	0.57
149	Atlantic St & I-80 WB On-Ramp	A	0.29	A	0.29
150	Pleasant Grove Blvd & SR 65 NB Off-Ramp	A	0.35	A	0.36
151	Pleasant Grove Blvd & SR 65 SB Off-Ramp	A	0.31	A	0.38
152	I-80 WB Off-Ramp & Riverside Ave	A	0.55	A	0.50
153	SR 65 NB On-Ramp & Stanford Ranch Rd	B	0.60	A	0.59
154	SR 65 SB On-Ramp & Galleria Blvd	A	0.34	A	0.38
155	Eureka Rd & Taylor Rd/I-80 EB Off-Ramp	E	0.97	D	0.88
156	Fairway Dr & Highland Park Dr	A	0.12	A	0.12
157	I-80 EB Off-Ramp/Orlando Ave & Riverside Ave	A	0.54	A	0.49
180	Baseline Rd & Santucci Blvd	A	0.51	A	0.56
Intersections in Pedestrian Overlay Zone					
P1	Darling Way & Riverside Ave	A	0.50	A	0.41
P2	Vernon St & Douglas Blvd/Riverside Ave	A	0.35	A	0.34
P3	Vernon St & Grant St	A	0.24	A	0.25
P4	Vernon St & Judah St	A	0.22	A	0.21
P5	Vernon St & Lincoln St	B	0.62	A	0.49
P6	Main St & Washington Blvd	A	0.50	A	0.49
P7	Oak St & Washington Blvd	A	0.35	A	0.34
Note: BOLD Locations do not meet LOS C Policy (p.m. peak hour only) a.m. LOS for informational purposes only					

Appendix Table**Level of Service at Roseville Signalized Intersections****Existing 2011 Conditions and Existing 2013 Conditions - PM Peak Hour**

		Existing Conditions			
		2011 PM Peak Hour		2013 PM Peak Hour	
Intersection					
ID	Intersection Name	LOS	V/C	LOS	V/C
Existing Signalized Intersections					
1	Atlantic St & Tiger Way/Center St	A	0.36	A	0.40
2	Atlantic St & Wills Rd	A	0.49	A	0.52
3	Atlantic St & Yosemite St	A	0.50	A	0.39
4	Baseline Rd & Fiddymment Rd	C	0.80	E	0.95
5	Blue Oaks Blvd & Crocker Ranch Rd	A	0.23	A	0.26
6	Blue Oaks Blvd & Del Webb Blvd	A	0.16	A	0.22
7	Blue Oaks Blvd & Fiddymment Rd	A	0.18	A	0.26
8	Blue Oaks Blvd & New Meadow Dr	A	0.38	B	0.63
9	Blue Oaks Blvd & Orchard View	A	0.09	A	0.13
10	Blue Oaks Blvd & Diamond Creek Blvd	A	0.30	A	0.39
11	Blue Oaks Blvd & Foothills Blvd	A	0.58	C	0.71
12	Blue Oaks Blvd & Woodcreek Oaks Blvd	A	0.53	A	0.51
13	Cirby Way & Sunrise Ave	D	0.85	D	0.82
14	Cirby Way & Foothills Blvd	C	0.74	B	0.65
15	Cirby Way & Melody Ln	B	0.68	B	0.66
16	Cirby Way & Northridge Dr	B	0.65	B	0.63
17	Cirby Way & Oak Ridge Dr	A	0.53	A	0.41
18	Cirby Way & Orlando Ave	C	0.74	B	0.65
19	Cirby Way & Parkview Dr	A	0.46	A	0.38
20	Cirby Way & Riverside Ave	C	0.78	D	0.83
21	Cirby Way & Rocky Ridge Dr	C	0.73	B	0.66
22	Cirby Way & San Simeon Dr	A	0.53	A	0.49
23	Cirby Way & Vernon St	D	0.85	C	0.79
24	Douglas Blvd & Eureka Rd	A	0.57	B	0.66
25	Douglas Blvd & Rocky Ridge Dr	C	0.74	C	0.74
26	Douglas Blvd & Santa Clara Dr	C	0.71	B	0.68
27	Douglas Blvd & Sierra Gardens Dr	B	0.62	B	0.62
28	Douglas Blvd & Sunrise Ave	E	0.91	D	0.87
29	Douglas Blvd & Target Dwy	A	0.48	B	0.64
30	Douglas Blvd & E Roseville Pkwy	C	0.75	C	0.81
31	Douglas Blvd & Folsom Rd	A	0.50	A	0.56
32	Douglas Blvd & Harding Blvd	C	0.73	D	0.82
33	Douglas Blvd & Judah St	A	0.49	A	0.47
34	Douglas Blvd & Keehner Ave	A	0.33	A	0.32
35	Douglas Blvd & Park Dr	A	0.29	A	0.30
36	Douglas Blvd & Sierra College Blvd	C	0.76	C	0.80
37	Eureka Rd & Lead Hill Blvd	A	0.41	A	0.40
38	Eureka Rd & N. Sunrise Ave	B	0.66	B	0.60
39	Eureka Rd & Rocky Ridge Dr	C	0.70	B	0.66
40	Eureka Rd & Ashland Dr	A	0.18	A	0.21
41	Eureka Rd & Deer Valley Apts Dwy	A	0.30	A	0.34
42	Fairway Dr & Central Park Dr/Lowes Dwy	A	0.38	A	0.40
43	Fairway Dr & Cortina Cir	A	0.24	A	0.28

Appendix Table**Level of Service at Roseville Signalized Intersections****Existing 2011 Conditions and Existing 2013 Conditions - PM Peak Hour**

		Existing Conditions			
		2011 PM Peak Hour		2013 PM Peak Hour	
Intersection					
ID	Intersection Name	LOS	V/C	LOS	V/C
44	Fairway Dr & Five Star Blvd	A	0.31	A	0.35
45	Fairway Dr & Home Depot Dwy	A	0.32	A	0.39
46	Fairway Dr & Target Dwy/Rosehall Dr	A	0.31	A	0.36
47	Del Webb Blvd/Village Green Dr & Fiddymment Rd	A	0.20	A	0.31
48	Hayden Pkwy North & Fiddymment Rd	A	0.09	A	0.11
49	Hayden Pkwy South & Fiddymment Rd	A	0.20	A	0.29
50	Baseline Rd/Main St & Foothills Blvd	C	0.70	B	0.67
51	Misty Wood Dr/NEC Dwy & Foothills Blvd	A	0.23	A	0.24
52	Albertsons Dr & Foothills Blvd	A	0.22	A	0.25
54	Roseville Pkwy/HP Central Dwy & Foothills Blvd	A	0.26	A	0.27
55	HP South Dwy & Foothills Blvd	A	0.34	A	0.32
56	Junction Blvd & Foothills Blvd	C	0.74	B	0.61
57	McAnally Dr & Foothills Blvd	A	0.54	A	0.49
58	Pleasant Grove Blvd & Foothills Blvd	B	0.67	C	0.73
59	Rand Way/Pilgrims Dr & Foothills Blvd	A	0.43	A	0.39
60	Vineyard Rd & Foothills Blvd	A	0.55	A	0.51
61	Antelope Creek Dr & Galleria Blvd	A	0.54	B	0.61
62	Berry St & Galleria Blvd	A	0.49	A	0.57
63	Roseville Pkwy & Galleria Blvd	C	0.81	D	0.85
64	Wills Rd & Harding Blvd	A	0.47	A	0.54
65	Estates Dr & Harding Blvd	A	0.50	A	0.53
66	Lead Hill Blvd & Harding Blvd	B	0.60	C	0.73
67	Roseville Square Dwy & Harding Blvd	A	0.51	A	0.57
68	Junction Blvd & Stonecrest Dr/Magenta Dr	A	0.15	A	0.15
69	Junction Blvd & Americana Dr	A	0.26	A	0.28
70	Baseline Rd & Junction Blvd	A	0.46	A	0.38
71	Junction Blvd & Country Club Dr	A	0.33	A	0.31
72	Junction Blvd & Park Regency Dr	A	0.19	A	0.30
73	Junction Blvd & Porter Dr	A	0.32	A	0.31
74	Junction Blvd & Revere Dr	A	0.26	A	0.25
75	Junction Blvd & Washington Blvd	A	0.51	A	0.45
76	Junction Blvd & Woodcreek Oaks Blvd	A	0.31	A	0.29
77	Lead Hill Blvd & N. Sunrise Ave	C	0.80	C	0.77
78	Lead Hill Blvd & Rocky Ridge Dr	A	0.54	A	0.57
79	Lead Hill Blvd & Wal-Mart Dwy	A	0.33	A	0.34
80	N. Sunrise Ave & Automall Dr	A	0.51	A	0.38
81	Stone Point Dr & N. Sunrise Ave	A	0.21	A	0.21
82	Sierra Gardens Dr & N. Sunrise Ave	B	0.60	A	0.55
83	Olympus Dr & Europa St	A	0.11	A	0.12
84	PFE Rd & Hilltop Cir	A	0.30	A	0.32
85	Fairway Dr & Pleasant Grove Blvd	B	0.68	B	0.65
86	Pleasant Grove Blvd & Fiddymment Rd	A	0.27	A	0.41
87	Pleasant Grove Blvd & Gold Coast Dr/Hallissy Dr	A	0.52	A	0.54
88	Highland Park Dr & Pleasant Grove Blvd	A	0.41	A	0.40
89	Market St & Pleasant Grove Blvd	A	0.04	A	0.20
90	Pleasant Grove Blvd & Michener Dr	A	0.30	A	0.40

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		Existing Conditions			
		2011 PM Peak Hour		2013 PM Peak Hour	
Intersection					
ID	Intersection Name	LOS	V/C	LOS	V/C
91	Pleasant Grove Blvd & Monument Dr	A	0.06	A	0.22
92	Pleasant Grove Blvd & Rose Creek Rd	A	0.30	A	0.38
93	Pleasant Grove Blvd & Roseville Pkwy	C	0.72	C	0.81
94	Pleasant Grove Blvd & Sun City Blvd	A	0.23	A	0.33
95	Highland Pointe Dr & Pleasant Grove Blvd	C	0.74	C	0.73
96	Pleasant Grove Blvd & Washington Blvd	B	0.61	B	0.65
97	Pleasant Grove Blvd & Country Club Dr	A	0.47	A	0.50
98	Pleasant Grove Blvd & Woodcreek Oaks Blvd	A	0.54	A	0.53
99	Maidu Dr & Rocky Ridge Dr	A	0.49	A	0.41
100	McLaren Dr & Rocky Ridge Dr	A	0.42	A	0.37
101	Professional Dr & Rocky Ridge Dr	B	0.62	A	0.54
102	Rocky Ridge Dr & Stone Point Dr	A	0.15	A	0.15
103	Roseville Pkwy & Chase Dr	A	0.45	A	0.44
104	Roseville Pkwy & Creekside Ridge Dr	B	0.63	B	0.69
105	Roseville Pkwy & Gibson Dr East	A	0.44	A	0.52
106	Roseville Pkwy & N. Sunrise Ave	C	0.75	C	0.75
107	Roseville Pkwy & Reserve Dr	A	0.46	B	0.62
108	Roseville Pkwy & Secret Ravine Pkwy	A	0.59	A	0.59
109	Roseville Pkwy & Taylor Rd	B	0.66	C	0.77
110	West Mall Dwy & Roseville Pkwy	A	0.56	A	0.56
111	Alexandra Dr & Roseville Pkwy	A	0.53	A	0.48
112	Eureka Rd & Roseville Pkwy	B	0.62	B	0.64
113	Lead Hill Blvd/Orvieto Dr & Roseville Pkwy	A	0.48	A	0.45
114	Roseville Pkwy & N. Cirby Way	A	0.45	A	0.47
115	Olympus Dr & Roseville Pkwy	A	0.59	A	0.55
116	Rocky Ridge Dr & Roseville Pkwy	A	0.48	A	0.44
117	Roseville Pkwy & Sierra College Blvd	C	0.79	B	0.64
118	Trestle Rd & Roseville Pkwy	A	0.22	A	0.24
119	Village Dr & Roseville Pkwy	A	0.32	A	0.35
120	Roseville Pkwy & Washington Blvd	A	0.19	B	0.65
121	S Cirby Way & Champion Oaks Dr	A	0.38	A	0.49
122	S Cirby Way & Old Auburn Rd	B	0.66	B	0.64
123	Secret Ravine Pkwy & Scarborough Dr/ Poppy Fl	A	0.30	A	0.27
124	Miners Ravine & Sierra College Blvd	A	0.37	A	0.40
125	Secret Ravine Pkwy & Sierra College Blvd	A	0.41	A	0.46
126	Eureka Rd & Sierra College Blvd	B	0.64	B	0.69
127	Indigo Creek Apts & Sierra College Blvd	A	0.55	A	0.48
128	Old Auburn Rd & Sierra College Blvd	C	0.71	C	0.81
129	Olympus Dr & Sierra College Blvd	A	0.36	A	0.41
130	Fairway Dr & Stanford Ranch Rd	B	0.60	A	0.53
131	Five Star Blvd & Stanford Ranch Rd	A	0.59	B	0.64
132	Highland Park Dr & Stanford Ranch Rd	A	0.36	A	0.30
133	Coloma Way & Sunrise Ave	B	0.62	B	0.64
134	Sandringham Way/Kensington Dr & Sunrise Ave	A	0.55	A	0.51
135	Sun Tree Dr/Kensington Dr & Sunrise Ave	B	0.65	B	0.62

Appendix Table**Level of Service at Roseville Signalized Intersections****Existing 2011 Conditions and Existing 2013 Conditions - PM Peak Hour**

Intersection		Existing Conditions			
		2011 PM Peak Hour		2013 PM Peak Hour	
ID	Intersection Name	LOS	V/C	LOS	V/C
136	Frances Dr & Sunrise Ave	A	0.59	A	0.57
137	Oak Ridge Dr & Sunrise Ave	A	0.35	A	0.30
138	Diamond Oaks Rd & Washington Blvd	C	0.71	B	0.69
139	Sawtell Rd/Derek Pl & Washington Blvd	A	0.44	A	0.37
140	Hallissy Dr & Washington Blvd	A	0.36	A	0.37
141	Baseline Rd & Woodcreek Oaks Blvd	B	0.65	A	0.54
142	Canevari Dr/Arsenault Dr & Woodcreek Oaks Blvd	A	0.52	A	0.47
143	Horncastle Ave & Woodcreek Oaks Blvd	A	0.41	A	0.37
144	McAnally Dr & Woodcreek Oaks Blvd	A	0.34	A	0.34
145	Trailee Ln & Woodcreek Oaks Blvd	A	0.26	A	0.29
146	Blue Oaks Blvd & Washington Blvd	A	0.39	B	0.65
147	Douglas Blvd & I-80 EB Ramps	A	0.42	C	0.71
148	Douglas Blvd & I-80 WB Off-Ramp	B	0.67	C	0.80
149	Atlantic St & I-80 WB On-Ramp	A	0.41	A	0.48
150	Pleasant Grove Blvd & SR 65 NB Off-Ramp	A	0.52	A	0.57
151	Pleasant Grove Blvd & SR 65 SB Off-Ramp	A	0.42	A	0.57
152	I-80 WB Off-Ramp & Riverside Ave	B	0.69	B	0.65
153	SR 65 NB On-Ramp & Stanford Ranch Rd	D	0.84	D	0.84
154	SR 65 SB On-Ramp & Galleria Blvd	C	0.74	B	0.64
155	Eureka Rd & Taylor Rd/I-80 EB Off-Ramp	F	1.08	E	0.98
156	Fairway Dr & Highland Park Dr	A	0.27	A	0.27
157	I-80 EB Off-Ramp/Orlando Ave & Riverside Ave	B	0.69	B	0.60
180	Baseline Rd & Santucci Blvd	D	0.86	C	0.72
Intersections in Pedestrian Overlay Zone					
P1	Darling Way & Riverside Ave	A	0.53	A	0.47
P2	Vernon St & Douglas Blvd/Riverside Ave	A	0.44	A	0.42
P3	Vernon St & Grant St	A	0.38	A	0.34
P4	Vernon St & Judah St	A	0.33	A	0.28
P5	Vernon St & Lincoln St	B	0.66	B	0.60
P6	Main St & Washington Blvd	A	0.59	A	0.57
P7	Oak St & Washington Blvd	A	0.53	A	0.34
Note: BOLD Locations do not meet LOS C Policy (p.m. peak hour only) a.m. LOS for informational purposes only					