

APPENDICES

INTERSECTION ANALYSIS
ROSEVILLE
INTERSECTION MITIGATIONS

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
 FR25: 2025 CIP Plus Project
 AM Peak Hour

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):      0.876
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:      Ovl      Ignore      Ovl      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:      2  0  3  0  1  3  0  3  0  1  2  0  3  0  1  2  0  3  0  1
-----|-----|-----|-----|
Volume Module:
Base Vol:      192  944  554  436  843  577  437 1711  72  255  975  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:    192  944  554  436  843  577  437 1711  72  255  975  253
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:    192  944  554  436  843  0  437 1711  72  255  975  253
Reduct Vol:      0      0      0      0      0      0      0      0      0      0      0
Reduced Vol:    192  944  554  436  843  0  437 1711  72  255  975  253
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:    192  944  554  436  843  0  437 1711  72  255  975  253
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment:    1.00 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 3.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.:    2900 4350 1450 4350 4350 1450 2900 4350 1450 2900 4350 1450
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:      0.07 0.22  0.38  0.10 0.19  0.00  0.15 0.39  0.05  0.09 0.22  0.17
Crit Volume:      554  145          570      0
Crit Moves:      ****  ****          ****  ****
*****

```

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

```

*****
Intersection #71 Junction Bl & Country Club Dr
*****
Cycle (sec):          120          Critical Vol./Cap.(X):          0.710
Loss Time (sec):      12          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      Protected      Protected
Rights:      Include      Include      Include      Include
Min. Green:      0      0      0      0      0      0      0      0      0      0
Y+R:      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      0
-----|-----|-----|-----|
Volume Module:
Base Vol:      80      210      255      128      208      142      188      1024      111      32      198      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:      80      210      255      128      208      142      188      1024      111      32      198      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:      80      210      255      128      208      142      188      1024      111      32      198      79
Reduct Vol:      0      0      0      0      0      0      0      0      0      0      0      0
Reduced Vol:      80      210      255      128      208      142      188      1024      111      32      198      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:      80      210      255      128      208      142      188      1024      111      32      198      79
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1450      1450      1450      1450      1450      1450      1450      1450      1450      1450      1450      1450
Adjustment:      1.00      1.00      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      0.59      0.41      1.00      1.80      0.20      1.00      1.43      0.57
Final Sat.:      1450      1450      1450      1450      862      588      1450      2616      284      1450      2073      827
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:      0.06      0.14      0.18      0.09      0.24      0.24      0.13      0.39      0.39      0.02      0.10      0.10
Crit Volume:      80          350          568          32
Crit Moves:      ****          ****          ****          ****
*****

```

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

```

*****
Intersection #139 Washington & Sawtell/Derek
*****
Cycle (sec):          120          Critical Vol./Cap.(X):          0.790
Loss Time (sec):       12          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:        Protected      Protected      Split Phase      Split Phase
Rights:         Ovl           Include       Ovl           Ovl
Min. Green:      0      0      0      0      0      0      0      0      0      0
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  1  0  2  0  1  0  1  0  0  1  0  1  0  0  1
-----|-----|-----|-----|
Volume Module:
Base Vol:        69  814  14  12 1846  75  65  1  27  82  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:      69  814  14  12 1846  75  65  1  27  82  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:       69  814  14  12 1846  75  65  1  27  82  6  24
Reduct Vol:       0  0  0  0  0  0  0  0  0  0  0  0
Reduced Vol:      69  814  14  12 1846  75  65  1  27  82  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:      69  814  14  12 1846  75  65  1  27  82  6  24
-----|-----|-----|-----|
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  1.00
Lanes:           1.00 2.00  1.00  1.00 2.00  1.00  0.98 0.02  1.00  0.93 0.07  1.00
Final Sat.:      1450 2900  1450  1450 2900  1450 1428  22  1450 1351  99  1450
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:         0.05 0.28  0.01  0.01 0.64  0.05  0.05 0.05  0.02  0.06 0.06  0.02
Crit Volume:      69          923          66          88
Crit Moves:      ****          ****          ****          ****
*****

```

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

```

*****
Intersection #141 Woodcreek Oaks & Baseline
*****
Cycle (sec):          120          Critical Vol./Cap.(X):          0.806
Loss Time (sec):       9          Average Delay (sec/veh):       xxxxxx
Optimal Cycle:         96          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
Y+R:      4.0  4.0  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  2  0  0  0  1  1  0  2  0  1
-----|-----|-----|-----|
Volume Module:
Base Vol:      80      0      384      291      0      4      297 1279      96      117 908      127
Growth Adj:  1.00 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      384      291      0      4      297 1279      96      117 908      127
User Adj:      1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:      1.00 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      384      291      0      4      297 1279      96      117 908      127
Reduct Vol:      0      0      0      0      0      0      0      0      0      0      0      0
Reduced Vol:  80      0      384      291      0      4      297 1279      96      117 908      127
PCE Adj:      1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
MLF Adj:      1.00 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      384      291      0      4      297 1279      96      117 908      127
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1450 1450  1450  1450 1450  1450  1450 1450  1450  1450 1450  1450
Adjustment:  1.00 1.00  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  2.00 0.00  1.00  1.00 2.00  1.00  1.00 2.00  1.00
Final Sat.:  1450      0  1450  2900      0  1450  1450 2900  1450  1450 2900  1450
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:      0.06 0.00  0.26  0.10 0.00  0.00  0.20 0.44  0.07  0.08 0.31  0.09
Crit Volume:      384      146      640      0
Crit Moves:      ****      ****      ****      ****
*****

```

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
 FR25: 2025 CIP Plus Project
 AM Peak Hour

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

 Intersection #165 Fiddymment Rd & Westhills Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.701
 Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 76 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:	1	0	3	0	1	2	0	3	0	1	2	0	0	0	1

Volume Module:

Base Vol:	26	1380	9	347	1499	235	765	0	44	0	0	92
Growth Adj:	1.00	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	1380	9	347	1499	235	765	0	44	0	0	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1380	9	347	1499	235	765	0	44	0	0	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	1380	9	347	1499	235	765	0	44	0	0	92
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	1380	9	347	1499	235	765	0	44	0	0	92

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.02	0.32	0.01	0.12	0.34	0.16	0.26	0.00	0.03	0.00	0.00	0.06
Crit Volume:	460			174			383			0		
Crit Moves:	****			****			****			****		

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

```

*****
Intersection #165 Fiddymment Rd & Westhills Dr
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.895
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      Ovl      Include      Ovl
Min. Green:      0      0      0      0      0      0      0      0      0      0
Y+R:      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      0      3      0      1      2      0      0      0      1      1      0      0      0      1
-----|-----|-----|-----|
Volume Module:
Base Vol:      46      1603      24      203      1213      984      341      0      14      3      0      494
Growth Adj:      1.00      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      1603      24      203      1213      984      341      0      14      3      0      494
User Adj:      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00
PHF Adj:      1.00      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      1603      24      203      1213      984      341      0      14      3      0      494
Reduct Vol:      0      0      0      0      0      0      0      0      0      0      0      0
Reduced Vol:      46      1603      24      203      1213      984      341      0      14      3      0      494
PCE Adj:      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00
MLF Adj:      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00
FinalVolume:      46      1603      24      203      1213      984      341      0      14      3      0      494
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1450      1450      1450      1450      1450      1450      1450      1450      1450      1450      1450      1450
Adjustment:      1.00      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      1.00      3.00      1.00      2.00      0.00      1.00      1.00      0.00      1.00
Final Sat.:      2900      4350      1450      1450      4350      1450      2900      0      1450      1450      0      1450
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:      0.02      0.37      0.02      0.14      0.28      0.68      0.12      0.00      0.01      0.00      0.00      0.34
Crit Volume:      23          984      0          494
Crit Moves:      ****          ****      ****          ****
*****

```


INTERSECTION ANALYSIS

ROSEVILLE

2025 CIP NO PROJECT CONDITIONS

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Scenario: NP25 AM
Command: NP25 AM
Volume: NP25 AM
Geometry: SV25
Impact Fee: Default Impact Fee
Trip Generation: Default Trip Generation
Trip Distribution: Default Trip Distribution
Paths: Default Path
Routes: Default Route
Configuration: Default Configuration

Scenario Report

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	LOS	Veh C	LOS	Veh C	
# 1 Atlantic & Tiger/Center	A	xxxxx 0.437	A	xxxxx 0.437	+ 0.000 V/C
# 2 Atlantic & Wills	C	xxxxx 0.751	C	xxxxx 0.751	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	A	xxxxx 0.563	A	xxxxx 0.563	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	D	xxxxx 0.885	D	xxxxx 0.885	+ 0.000 V/C
# 5 Blue Oaks & Crocker Ranch	B	xxxxx 0.676	B	xxxxx 0.676	+ 0.000 V/C
# 6 Blue Oaks & Del Webb	A	xxxxx 0.593	A	xxxxx 0.593	+ 0.000 V/C
# 7 Blue Oaks & Fiddymment	C	xxxxx 0.736	C	xxxxx 0.736	+ 0.000 V/C
# 8 Blue Oaks & New Meadow	C	xxxxx 0.724	C	xxxxx 0.724	+ 0.000 V/C
# 9 Blue Oaks & Orchard View	B	xxxxx 0.613	B	xxxxx 0.613	+ 0.000 V/C
# 10 Blue Oaks Bl & Diamond Creek B	C	xxxxx 0.771	C	xxxxx 0.771	+ 0.000 V/C
# 11 Blue Oaks Bl & Foothills Bl	E	xxxxx 0.956	E	xxxxx 0.956	+ 0.000 V/C
# 12 Blue Oaks Bl & Woodcreek Oaks	E	xxxxx 0.942	E	xxxxx 0.942	+ 0.000 V/C
# 13 Cirby & Sunrise	E	xxxxx 0.915	E	xxxxx 0.915	+ 0.000 V/C
# 14 Cirby Wy & Foothills Bl	F	xxxxx 1.008	F	xxxxx 1.008	+ 0.000 V/C
# 15 Cirby Wy & Melody Ln	A	xxxxx 0.585	A	xxxxx 0.585	+ 0.000 V/C
# 16 Cirby Wy & Northridge Dr	C	xxxxx 0.782	C	xxxxx 0.782	+ 0.000 V/C
# 17 Cirby Wy & Oak Ridge Dr	A	xxxxx 0.548	A	xxxxx 0.548	+ 0.000 V/C
# 18 Cirby Wy & Orlando Av	E	xxxxx 0.915	E	xxxxx 0.915	+ 0.000 V/C
# 19 Cirby Wy & Parkview Dr	A	xxxxx 0.598	A	xxxxx 0.598	+ 0.000 V/C
# 20 Cirby Wy & Riverside Av	F	xxxxx 1.029	F	xxxxx 1.029	+ 0.000 V/C
# 21 Cirby Wy & Rocky Ridge Dr	A	xxxxx 0.432	A	xxxxx 0.432	+ 0.000 V/C
# 22 Cirby Wy & San Simeon Dr	A	xxxxx 0.595	A	xxxxx 0.595	+ 0.000 V/C
# 23 Cirby Wy & Vernon St	E	xxxxx 0.987	E	xxxxx 0.987	+ 0.000 V/C

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 24 Douglas & Eureka	A xxxxx	0.535	A xxxxx	0.535	+ 0.000 V/C
# 25 Douglas & Rocky Ridge	B xxxxx	0.606	B xxxxx	0.606	+ 0.000 V/C
# 26 Douglas & Santa Clara	A xxxxx	0.570	A xxxxx	0.570	+ 0.000 V/C
# 27 Douglas & Sierra Gardens	A xxxxx	0.523	A xxxxx	0.523	+ 0.000 V/C
# 28 Douglas & Sunrise	C xxxxx	0.704	C xxxxx	0.704	+ 0.000 V/C
# 29 Douglas & Target	A xxxxx	0.438	A xxxxx	0.438	+ 0.000 V/C
# 30 Douglas Bl & E Roseville Pw	C xxxxx	0.735	C xxxxx	0.735	+ 0.000 V/C
# 31 Douglas Bl & Folsom Rd	A xxxxx	0.499	A xxxxx	0.499	+ 0.000 V/C
# 32 Douglas Bl & Harding Bl	B xxxxx	0.659	B xxxxx	0.659	+ 0.000 V/C
# 33 Douglas Bl & Judah St	A xxxxx	0.325	A xxxxx	0.325	+ 0.000 V/C
# 34 Douglas Bl & Keehner Av	A xxxxx	0.516	A xxxxx	0.516	+ 0.000 V/C
# 35 Douglas Bl & Park Dr	A xxxxx	0.382	A xxxxx	0.382	+ 0.000 V/C
# 36 Douglas Bl & Sierra College Bl	C xxxxx	0.752	C xxxxx	0.752	+ 0.000 V/C
# 37 Eureka & Lead Hill	A xxxxx	0.466	A xxxxx	0.466	+ 0.000 V/C
# 38 Eureka & N. Sunrise	A xxxxx	0.573	A xxxxx	0.573	+ 0.000 V/C
# 39 Eureka & Rocky Ridge	A xxxxx	0.534	A xxxxx	0.534	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A xxxxx	0.357	A xxxxx	0.357	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts	A xxxxx	0.374	A xxxxx	0.374	+ 0.000 V/C
# 42 Fairway & Central Park/Lowes	A xxxxx	0.440	A xxxxx	0.440	+ 0.000 V/C
# 43 Fairway & Cortina Circle	A xxxxx	0.274	A xxxxx	0.274	+ 0.000 V/C
# 44 Fairway & Five Star	A xxxxx	0.399	A xxxxx	0.399	+ 0.000 V/C
# 45 Fairway & Home Depot	A xxxxx	0.512	A xxxxx	0.512	+ 0.000 V/C
# 46 Fairway & Target/Rosehall	A xxxxx	0.574	A xxxxx	0.574	+ 0.000 V/C
# 47 Fiddymment & Del Webb/Village G	B xxxxx	0.630	B xxxxx	0.630	+ 0.000 V/C
# 48 Fiddymment & Hayden Pkwy North	A xxxxx	0.451	A xxxxx	0.451	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 49 Fiddymment & Hayden Pkwy South	A xxxxx	0.545	A xxxxx	0.545	+ 0.000 V/C
# 50 Foothills & Baseline/Main	E xxxxx	0.968	E xxxxx	0.968	+ 0.000 V/C
# 51 Foothills & Misty Wood/Nec	A xxxxx	0.584	A xxxxx	0.584	+ 0.000 V/C
# 52 Foothills Bl & Albertsons Dr	A xxxxx	0.517	A xxxxx	0.517	+ 0.000 V/C
# 53 Foothills Bl & Atkinson Rd	A xxxxx	0.538	A xxxxx	0.538	+ 0.000 V/C
# 54 Foothills Bl & Roseville Pkwy/	C xxxxx	0.800	C xxxxx	0.800	+ 0.000 V/C
# 55 Foothills Bl & HP South	C xxxxx	0.734	C xxxxx	0.734	+ 0.000 V/C
# 56 Foothills Bl & Junction Bl	C xxxxx	0.793	C xxxxx	0.793	+ 0.000 V/C
# 57 Foothills Bl & Mcanally Dr	A xxxxx	0.595	A xxxxx	0.595	+ 0.000 V/C
# 58 Foothills Bl & Pleasant Grove	D xxxxx	0.870	D xxxxx	0.870	+ 0.000 V/C
# 59 Foothills Blvd & Rand/Pilgrims	A xxxxx	0.509	A xxxxx	0.509	+ 0.000 V/C
# 60 Foothills Bl & Vineyard Rd	B xxxxx	0.684	B xxxxx	0.684	+ 0.000 V/C
# 61 Galleria & Antelope Creek	A xxxxx	0.439	A xxxxx	0.439	+ 0.000 V/C
# 62 Galleria & Berry	B xxxxx	0.663	B xxxxx	0.663	+ 0.000 V/C
# 63 Galleria & Roseville Pkwy	C xxxxx	0.800	C xxxxx	0.800	+ 0.000 V/C
# 64 Harding & Wills	B xxxxx	0.633	B xxxxx	0.633	+ 0.000 V/C
# 65 Harding Bl & Estates Dr	A xxxxx	0.456	A xxxxx	0.456	+ 0.000 V/C
# 66 Harding Bl & Lead Hill Bl	C xxxxx	0.703	C xxxxx	0.703	+ 0.000 V/C
# 67 Harding Bl & Roseville Square	A xxxxx	0.348	A xxxxx	0.348	+ 0.000 V/C
# 68 Junction & Stonecrest/Magenta	C xxxxx	0.711	C xxxxx	0.711	+ 0.000 V/C
# 69 Junction Bl & Americana Dr	A xxxxx	0.571	A xxxxx	0.571	+ 0.000 V/C
# 70 Junction Bl & Baseline Rd	B xxxxx	0.696	B xxxxx	0.696	+ 0.000 V/C
# 71 Junction Bl & Country Club Dr	C xxxxx	0.796	C xxxxx	0.796	+ 0.000 V/C
# 72 Junction Bl & Park Regency Dr	C xxxxx	0.708	C xxxxx	0.708	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 73 Junction Bl & Porter Dr	B xxxxx	0.611	B xxxxx	0.611	+ 0.000 V/C
# 74 Junction Bl & Revere Dr	A xxxxx	0.534	A xxxxx	0.534	+ 0.000 V/C
# 75 Junction Bl & Washington Bl	A xxxxx	0.527	A xxxxx	0.527	+ 0.000 V/C
# 76 Junction Bl & Woodcreek Oaks B	A xxxxx	0.581	A xxxxx	0.581	+ 0.000 V/C
# 77 Lead Hill Bl & N Sunrise Av	A xxxxx	0.525	A xxxxx	0.525	+ 0.000 V/C
# 78 Lead Hill Bl & Rocky Ridge Dr	A xxxxx	0.430	A xxxxx	0.430	+ 0.000 V/C
# 79 Lead Hill Bl & Wal-Mart	A xxxxx	0.254	A xxxxx	0.254	+ 0.000 V/C
# 80 N Sunrise Av & Automall Dr	A xxxxx	0.363	A xxxxx	0.363	+ 0.000 V/C
# 81 N Sunrise Av & Stone Point Dr	A xxxxx	0.437	A xxxxx	0.437	+ 0.000 V/C
# 82 N. Sunrise & Sierra Gardens	A xxxxx	0.476	A xxxxx	0.476	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A xxxxx	0.122	A xxxxx	0.122	+ 0.000 V/C
# 84 PFE & Hilltop	A xxxxx	0.298	A xxxxx	0.298	+ 0.000 V/C
# 85 Pleasant Grove & Fairway	A xxxxx	0.556	A xxxxx	0.556	+ 0.000 V/C
# 86 Pleasant Grove & Fiddymment	C xxxxx	0.797	C xxxxx	0.797	+ 0.000 V/C
# 87 Pleasant Grove & Gold Coast/Ha	C xxxxx	0.710	C xxxxx	0.710	+ 0.000 V/C
# 88 Pleasant Grove & Highland Park	A xxxxx	0.338	A xxxxx	0.338	+ 0.000 V/C
# 89 Pleasant Grove & Market	A xxxxx	0.521	A xxxxx	0.521	+ 0.000 V/C
# 90 Pleasant Grove & Michener	B xxxxx	0.647	B xxxxx	0.647	+ 0.000 V/C
# 91 Pleasant Grove & Monument	A xxxxx	0.463	A xxxxx	0.463	+ 0.000 V/C
# 92 Pleasant Grove & Rose Creek	B xxxxx	0.630	B xxxxx	0.630	+ 0.000 V/C
# 93 Pleasant Grove & Roseville Pkw	F xxxxx	1.022	F xxxxx	1.022	+ 0.000 V/C
# 94 Pleasant Grove & Sun City	B xxxxx	0.660	B xxxxx	0.660	+ 0.000 V/C
# 95 Pleasant Grove & Wal-Mart/High	A xxxxx	0.517	A xxxxx	0.517	+ 0.000 V/C
# 96 Pleasant Grove & Washington	D xxxxx	0.858	D xxxxx	0.858	+ 0.000 V/C
# 97 Pleasant Grove Bl & Country Cl	B xxxxx	0.697	B xxxxx	0.697	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 98 Pleasant Grove Bl & Woodcreek	B xxxxx	0.672	B xxxxx	0.672	+ 0.000 V/C
# 99 Rocky Ridge Dr & Maidu Dr	A xxxxx	0.542	A xxxxx	0.542	+ 0.000 V/C
#100 Rocky Ridge Dr & McLaren Dr	A xxxxx	0.516	A xxxxx	0.516	+ 0.000 V/C
#101 Rocky Ridge Dr & Professional	A xxxxx	0.580	A xxxxx	0.580	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A xxxxx	0.092	A xxxxx	0.092	+ 0.000 V/C
#103 Roseville Parkway & Chase	A xxxxx	0.567	A xxxxx	0.567	+ 0.000 V/C
#104 Roseville Parkway & Creekside	A xxxxx	0.522	A xxxxx	0.522	+ 0.000 V/C
#105 Roseville Parkway & Gibson	D xxxxx	0.887	D xxxxx	0.887	+ 0.000 V/C
#106 Roseville Parkway & N. Sunrise	C xxxxx	0.760	C xxxxx	0.760	+ 0.000 V/C
#107 Roseville Parkway & Reserve	A xxxxx	0.543	A xxxxx	0.543	+ 0.000 V/C
#108 Roseville Parkway & Secret Rav	A xxxxx	0.568	A xxxxx	0.568	+ 0.000 V/C
#109 Roseville Parkway & Taylor	D xxxxx	0.883	D xxxxx	0.883	+ 0.000 V/C
#110 Roseville Parkway & West Mall	A xxxxx	0.471	A xxxxx	0.471	+ 0.000 V/C
#111 Roseville Pw & Alexandra Dr	A xxxxx	0.538	A xxxxx	0.538	+ 0.000 V/C
#112 Roseville Pw & Eureka Rd	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C
#113 Roseville Pw & Lead Hill/Orvie	B xxxxx	0.601	B xxxxx	0.601	+ 0.000 V/C
#114 Roseville Pw & N Cirby Wy	A xxxxx	0.414	A xxxxx	0.414	+ 0.000 V/C
#115 Roseville Pw & Olympus Dr	A xxxxx	0.559	A xxxxx	0.559	+ 0.000 V/C
#116 Roseville Pw & Rocky Ridge Dr	A xxxxx	0.465	A xxxxx	0.465	+ 0.000 V/C
#117 Roseville Pw & Sierra College	A xxxxx	0.507	A xxxxx	0.507	+ 0.000 V/C
#118 Roseville Pw & Trestle Rd	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C
#119 Roseville Pw & Village/Slate C	A xxxxx	0.445	A xxxxx	0.445	+ 0.000 V/C
#120 Roseville Pw & Washington Bl	B xxxxx	0.655	B xxxxx	0.655	+ 0.000 V/C
#121 S Cirby Wy & Champion Oaks Dr	A xxxxx	0.509	A xxxxx	0.509	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#122 S Cirby Wy & Old Auburn Rd	C xxxxx	0.756	C xxxxx	0.756	+ 0.000 V/C
#123 Secret Ravine & Scarborough/ P	A xxxxx	0.287	A xxxxx	0.287	+ 0.000 V/C
#124 Sierra College & Miners Ravine	A xxxxx	0.515	A xxxxx	0.515	+ 0.000 V/C
#125 Sierra College & Secret Ravine	A xxxxx	0.501	A xxxxx	0.501	+ 0.000 V/C
#126 Sierra College Bl & Eureka Rd	B xxxxx	0.618	B xxxxx	0.618	+ 0.000 V/C
#127 Sierra College Bl & Indigo Cre	A xxxxx	0.453	A xxxxx	0.453	+ 0.000 V/C
#128 Sierra College Bl & Old Auburn	A xxxxx	0.569	A xxxxx	0.569	+ 0.000 V/C
#129 Sierra College Bl & Olympus Dr	B xxxxx	0.625	B xxxxx	0.625	+ 0.000 V/C
#130 Stanford Ranch & Fairway	A xxxxx	0.500	A xxxxx	0.500	+ 0.000 V/C
#131 Stanford Ranch & Five Star	A xxxxx	0.407	A xxxxx	0.407	+ 0.000 V/C
#132 Stanford Ranch & Highland Park	A xxxxx	0.328	A xxxxx	0.328	+ 0.000 V/C
#133 Sunrise & Coloma	C xxxxx	0.740	C xxxxx	0.740	+ 0.000 V/C
#134 Sunrise & Sandringham/Kensingt	A xxxxx	0.590	A xxxxx	0.590	+ 0.000 V/C
#135 Sunrise & Sun Tree/Kensington	B xxxxx	0.636	B xxxxx	0.636	+ 0.000 V/C
#136 Sunrise Av & Frances Dr	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
#137 Sunrise Av & Oak Ridge Dr	A xxxxx	0.400	A xxxxx	0.400	+ 0.000 V/C
#138 Washington & Diamond Oaks	B xxxxx	0.672	B xxxxx	0.672	+ 0.000 V/C
#139 Washington & Sawtell/Derek	A xxxxx	0.558	A xxxxx	0.558	+ 0.000 V/C
#140 Washington Bl & Hallissy Dr	A xxxxx	0.486	A xxxxx	0.486	+ 0.000 V/C
#141 Woodcreek Oaks & Baseline	E xxxxx	0.902	E xxxxx	0.902	+ 0.000 V/C
#142 Woodcreek Oaks & Canevari/Arse	A xxxxx	0.453	A xxxxx	0.453	+ 0.000 V/C
#143 Woodcreek Oaks & Horncastle	A xxxxx	0.539	A xxxxx	0.539	+ 0.000 V/C
#144 Woodcreek Oaks & Mcanally	D xxxxx	0.862	D xxxxx	0.862	+ 0.000 V/C
#145 Woodcreek Oaks & Trailee	A xxxxx	0.598	A xxxxx	0.598	+ 0.000 V/C
#146 SR 65 N/B Off & Blue Oaks Blvd	A xxxxx	0.564	A xxxxx	0.564	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#147 Washington Blvd & Blue Oaks Bl	A xxxxx	0.499	A xxxxx	0.499	+ 0.000 V/C
#148 I-80 WB Off & Douglas Blvd	B xxxxx	0.698	B xxxxx	0.698	+ 0.000 V/C
#149 I-80 WB On & Atlantic St	A xxxxx	0.420	A xxxxx	0.420	+ 0.000 V/C
#150 SR 65 N/B Off & Pleasant Grove	A xxxxx	0.557	A xxxxx	0.557	+ 0.000 V/C
#151 SR 65 S/B Off & Pleasant Grove	A xxxxx	0.432	A xxxxx	0.432	+ 0.000 V/C
#152 I-80 WB Off & Riverside Ave	C xxxxx	0.724	C xxxxx	0.724	+ 0.000 V/C
#153 Stanford Ranch & Sr-65 N/B On	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C
#154 Stanford Ranch/Galleria & Sr-6	A xxxxx	0.436	A xxxxx	0.436	+ 0.000 V/C
#155 Taylor & Eureka I-80 EB Off	D xxxxx	0.824	D xxxxx	0.824	+ 0.000 V/C
#156 Fairway & Highland Park	A xxxxx	0.389	A xxxxx	0.389	+ 0.000 V/C
#157 I-80 EB Off/Orlando & Riversid	C xxxxx	0.760	C xxxxx	0.760	+ 0.000 V/C
#158 Roseville Rkwy & Old Auburn	A xxxxx	0.235	A xxxxx	0.235	+ 0.000 V/C
#159 Washington Blvd & Industrial	A xxxxx	0.593	A xxxxx	0.593	+ 0.000 V/C
#160 Foothills Blvd & HP Far South/	C xxxxx	0.734	C xxxxx	0.734	+ 0.000 V/C
#161 Blue Oaks Blvd & Wood Meadow	C xxxxx	0.711	C xxxxx	0.711	+ 0.000 V/C
#162 Gibson Rd & New Convention Cen	A xxxxx	0.477	A xxxxx	0.477	+ 0.000 V/C
#163 Blue Oaks Blvd & Westbrook Blv	A xxxxx	0.258	A xxxxx	0.258	+ 0.000 V/C
#164 Blue Oaks Blvd & Hayden Pkwy	A xxxxx	0.568	A xxxxx	0.568	+ 0.000 V/C
#165 Fiddymment Rd & Westhills Dr	D xxxxx	0.808	D xxxxx	0.808	+ 0.000 V/C
#166 Pleasant Grove Blvd & Westbroo	A xxxxx	0.597	A xxxxx	0.597	+ 0.000 V/C
#167 Fiddymment Rd & Westlake Dr	A xxxxx	0.444	A xxxxx	0.444	+ 0.000 V/C
#168 Woodcreek Oaks Blvd & Northpar	A xxxxx	0.319	A xxxxx	0.319	+ 0.000 V/C
#169 Woodcreek Oaks Blvd & Parkside	A xxxxx	0.474	A xxxxx	0.474	+ 0.000 V/C
#170 Industrial Ave & Alantown Dr	E xxxxx	0.916	E xxxxx	0.916	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#171 Roseville Pkwy & Gibson West	F xxxxx	1.016	F xxxxx	1.016	+ 0.000 V/C
#172 Washington Blvd & All America	A xxxxx	0.512	A xxxxx	0.512	+ 0.000 V/C
#173 Cirby & Cottonwood	A xxxxx	0.542	A xxxxx	0.542	+ 0.000 V/C
#174 Secret Ravine & Alexandra	A xxxxx	0.140	A xxxxx	0.140	+ 0.000 V/C
#175 Fiddymment Rd & Fiddymment Ranch	A xxxxx	0.426	A xxxxx	0.426	+ 0.000 V/C
#176 Douglas Bl & I-80 EB On	A xxxxx	0.478	A xxxxx	0.478	+ 0.000 V/C
#177 Santucci Blvd & Pleasant Grove	A xxxxx	0.535	A xxxxx	0.535	+ 0.000 V/C
#178 Santucci Blvd & Federico Dr	A xxxxx	0.409	A xxxxx	0.409	+ 0.000 V/C
#179 Santucci Blvd & Vista Glen Blv	A xxxxx	0.329	A xxxxx	0.329	+ 0.000 V/C
#180 Watt Ave & Baseline Rd	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
#181 Westbrook Blvd & Federico Dr	A xxxxx	0.339	A xxxxx	0.339	+ 0.000 V/C
#182 Westbrook Blvd & Vista Glen Bl	A xxxxx	0.419	A xxxxx	0.419	+ 0.000 V/C
#183 Westbrook Blvd & Baseline Rd	C xxxxx	0.761	C xxxxx	0.761	+ 0.000 V/C
#184 Market St & Vista Glen Blvd	A xxxxx	0.354	A xxxxx	0.354	+ 0.000 V/C
#185 Market St & Baseline Rd	B xxxxx	0.644	B xxxxx	0.644	+ 0.000 V/C
#186 Pleasant Grove Blvd & Upland D	A xxxxx	0.546	A xxxxx	0.546	+ 0.000 V/C
#187 Upland Dr & Vista Glen Blvd	A xxxxx	0.374	A xxxxx	0.374	+ 0.000 V/C
#188 Upland Dr & Baseline Rd	A xxxxx	0.530	A xxxxx	0.530	+ 0.000 V/C
#189 Baseline Rd & CMU3 Entrance	A xxxxx	0.473	A xxxxx	0.473	+ 0.000 V/C
#190 Westbrook Blvd & Sierra Villag	A xxxxx	0.357	A xxxxx	0.357	+ 0.000 V/C
#191 Vista Glen Blvd & Road 2A	A xxxxx	0.225	A xxxxx	0.225	+ 0.000 V/C
#192 Vista Glen Blvd & SV NS Coll 5	A xxxxx	0.319	A xxxxx	0.319	+ 0.000 V/C
#193 Santucci Blvd & SV CC5 CC6	A xxxxx	0.282	A xxxxx	0.282	+ 0.000 V/C
#194 Santucci Blvd & Sierra Village	A xxxxx	0.436	A xxxxx	0.436	+ 0.000 V/C
#195 Vista Glen Blvd & Road 1	A xxxxx	0.074	A xxxxx	0.074	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#196 Westbrook Blvd & Sierra Glen D	A xxxxx	0.233	A xxxxx	0.233	+ 0.000 V/C
#197 Baseline Rd & SV CC2	A xxxxx	0.432	A xxxxx	0.432	+ 0.000 V/C
#198 Baseline Rd & SV CCBP2	A xxxxx	0.497	A xxxxx	0.497	+ 0.000 V/C
#199 Baseline Rd & SV CC4	A xxxxx	0.494	A xxxxx	0.494	+ 0.000 V/C
#200 Westbrook Blvd & Parkway One	A xxxxx	0.249	A xxxxx	0.249	+ 0.000 V/C
#201 Westbrook Blvd & Nobo Dr	A xxxxx	0.169	A xxxxx	0.169	+ 0.000 V/C
#202 Blue Oaks Blvd & Nobo Dr	A xxxxx	0.327	A xxxxx	0.327	+ 0.000 V/C
#203 Santucci Blvd & Road E	A xxxxx	0.311	A xxxxx	0.311	+ 0.000 V/C
#204 Westbrook Blvd & Road E	A xxxxx	0.249	A xxxxx	0.249	+ 0.000 V/C
#205 Pleasant Grove Blvd & Road 1	A xxxxx	0.421	A xxxxx	0.421	+ 0.000 V/C
#1001 Riverside Av & Darling Wy	C xxxxx	0.776	C xxxxx	0.776	+ 0.000 V/C
#1002 Vernon & Douglas/Riverside	A xxxxx	0.530	A xxxxx	0.530	+ 0.000 V/C
#1003 Vernon & Grant	A xxxxx	0.453	A xxxxx	0.453	+ 0.000 V/C
#1004 Vernon & Judah	A xxxxx	0.463	A xxxxx	0.463	+ 0.000 V/C
#1005 Vernon & Lincoln	A xxxxx	0.573	A xxxxx	0.573	+ 0.000 V/C
#1006 Washington & Main	A xxxxx	0.581	A xxxxx	0.581	+ 0.000 V/C
#1007 Washington & Oak	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

NP25 AM Thu Sep 19, 2013 08:51:48 Page 3-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1 Atlantic & Tiger/Center

Cycle (sec): 120 Critical Vol./Cap.(X): 0.437
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	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	3	28	68	1	13	18	996	8	9	1031	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:	12	3	28	68	1	13	18	996	8	9	1031	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:	12	3	28	68	1	13	18	996	8	9	1031	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	3	28	68	1	13	18	996	8	9	1031	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:	12	3	28	68	1	13	18	996	8	9	1031	34

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.99	0.01	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	140	1310	1429	21	1450	1450	2877	23	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.02	0.05	0.05	0.01	0.01	0.35	0.35	0.01	0.36	0.02
Crit Volume:	31			69			18			516		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 4-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #2 Atlantic & Wills

Cycle (sec): 120 Critical Vol./Cap.(X): 0.751
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:	Permitted	Permitted	Protected	Protected
Rights:	Ovl	Ignore	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:	126	0	334	0	0	0	0	963	129	519	956	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:	126	0	334	0	0	0	0	963	129	519	956	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	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:	126	0	334	0	0	0	0	963	129	519	956	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	0	334	0	0	0	0	963	129	519	956	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	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:	126	0	334	0	0	0	0	963	129	519	956	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:	0.08	0.00	0.22	0.00	0.00	0.00	0.00	0.32	0.09	0.35	0.32	0.00
Crit Volume:	126			0				482		519		
Crit Moves:	****							****		****		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 5-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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): 0.563
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:	Permitted	Permitted	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	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	365	0	47	100	877	0	0	758	290
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	365	0	47	100	877	0	0	758	290
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	365	0	47	100	877	0	0	758	290
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	365	0	47	100	877	0	0	758	290
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	365	0	47	100	877	0	0	758	290

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	0.24	0.00	0.03	0.07	0.29	0.00	0.00	0.25	0.19
Crit Volume:	0	365	100	379								
Crit Moves:		****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:48 Page 6-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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): 0.885
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:	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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	193	988	513	427	806	594	463	1669	74	268	960	251
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	193	988	513	427	806	594	463	1669	74	268	960	251
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:	193	988	513	427	806	0	463	1669	74	268	960	251
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	193	988	513	427	806	0	463	1669	74	268	960	251
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:	193	988	513	427	806	0	463	1669	74	268	960	251

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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:	0.07	0.23	0.35	0.15	0.19	0.00	0.16	0.38	0.05	0.09	0.22	0.17
Crit Volume:	513	214	556	0								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:48 Page 7-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #5 Blue Oaks & Crocker Ranch

Cycle (sec): 100 Critical Vol./Cap.(X): 0.676
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:	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	2 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	400	0	47	14	2440	0	0	798	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:	0	0	0	400	0	47	14	2440	0	0	798	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	1.00
PHF Adj:	1.00	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	400	0	47	14	2440	0	0	798	123
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	400	0	47	14	2440	0	0	798	123
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	400	0	47	14	2440	0	0	798	123

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	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.13	0.00	0.03	0.01	0.54	0.00	0.00	0.18	0.08
Crit Volume:	0	0	0	200	0	0	0	813	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:48 Page 8-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #6 Blue Oaks & Del Webb

Cycle (sec): 120 Critical Vol./Cap.(X): 0.593
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:	Permitted	Permitted	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	107	0	0	0	0	2349	13	43	806	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	107	0	0	0	0	2349	13	43	806	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	107	0	0	0	0	2349	13	43	806	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	0	107	0	0	0	0	2349	13	43	806	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	107	0	0	0	0	2349	13	43	806	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	0.52	0.01	0.03	0.18	0.00
Crit Volume:	107	0	0	0	0	0	0	783	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:48 Page 9-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #7 Blue Oaks & Fiddymment

Cycle (sec): 120 Critical Vol./Cap.(X): 0.736
Loss Time (sec): 12 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:	Ignore	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 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	52	642	836	163	794	201	318	1228	83	470	323	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:	52	642	836	163	794	201	318	1228	83	470	323	74
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:	52	642	0	163	794	201	318	1228	0	470	323	74
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	642	0	163	794	201	318	1228	0	470	323	74
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:	52	642	0	163	794	201	318	1228	0	470	323	74

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	0.22	0.00	0.06	0.27	0.14	0.11	0.28	0.00	0.16	0.07	0.05
Crit Volume:	26			397			409			235		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 10-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #8 Blue Oaks & New Meadow

Cycle (sec): 100 Critical Vol./Cap.(X): 0.724
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:	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 1	1 1 0 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0	0	0	498	0	33	20	3313	0	9	1456	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	498	0	33	20	3313	0	9	1456	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	498	0	33	20	3313	0	9	1456	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	498	0	33	20	3313	0	9	1456	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	498	0	33	20	3313	0	9	1456	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:	1.00	1.00	1.00	2.00	0.00	1.00	1.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1500	1500	1500	3000	0	1500	1500	6000	1500	1500	6000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.17	0.00	0.02	0.01	0.55	0.00	0.01	0.24	0.04
Crit Volume:	0			249			828			9		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 11-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #9 Blue Oaks & Orchard View

Cycle (sec): 100 Critical Vol./Cap.(X): 0.613
Loss Time (sec): 0 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:	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 0 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	207	0	2	0	2139	0	0	794	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	0	0	207	0	2	0	2139	0	0	794	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	0	0	207	0	2	0	2139	0	0	794	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	207	0	2	0	2139	0	0	794	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	0	0	207	0	2	0	2139	0	0	794	79

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.48	0.00	0.00	0.18	0.05
Crit Volume:	0	0	0	207	0	2	0	713	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:48 Page 12-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #10 Blue Oaks Bl & Diamond Creek Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.771
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 100 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	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 0 1 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	43	32	54	181	110	51	163	2450	219	93	814	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:	43	32	54	181	110	51	163	2450	219	93	814	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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	43	32	54	181	110	51	163	2450	219	93	814	211
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	32	54	181	110	51	163	2450	219	93	814	211
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	43	32	54	181	110	51	163	2450	219	93	814	211

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.15	0.85	1.00	1.06	0.64	0.30	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1663	1237	1450	1535	933	432	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.04	0.12	0.12	0.12	0.11	0.56	0.15	0.06	0.19	0.15
Crit Volume:	38	171	817	93	93	93	93	93	93	93	93	93
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:48 Page 13-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #11 Blue Oaks Bl & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.956
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	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:	3 0 2 0 1	2 0 3 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	302	695	152	152	218	86	946	2165	772	582	1233	299
Growth Adj:	1.00	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	695	152	152	218	86	946	2165	772	582	1233	299
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:	302	695	0	152	218	86	946	2165	772	582	1233	299
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	302	695	0	152	218	86	946	2165	772	582	1233	299
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:	302	695	0	152	218	86	946	2165	772	582	1233	299

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	4.00	1.00	2.00	4.00	1.00
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.24	0.00	0.05	0.05	0.06	0.33	0.37	0.53	0.20	0.21	0.21
Crit Volume:	348	76		772	291							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:48 Page 14-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #12 Blue Oaks Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.942
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	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 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	176	100	665	220	205	108	56	2365	205	296	861	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:	176	100	665	220	205	108	56	2365	205	296	861	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:	176	100	665	220	205	108	56	2365	205	296	861	104
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	176	100	665	220	205	108	56	2365	205	296	861	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:	176	100	665	220	205	108	56	2365	205	296	861	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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.03	0.46	0.08	0.07	0.07	0.02	0.41	0.14	0.10	0.15	0.07
Crit Volume:	665	110		591	0							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:48 Page 15-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #13 Cirby & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.915
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	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 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	801	1302	178	105	617	77	187	1122	639	124	561	47
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	801	1302	178	105	617	77	187	1122	639	124	561	47
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	801	1302	178	105	617	77	187	1122	639	124	561	47
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	801	1302	178	105	617	77	187	1122	639	124	561	47
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	801	1302	178	105	617	77	187	1122	639	124	561	47

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.28	0.45	0.12	0.04	0.14	0.05	0.06	0.39	0.44	0.04	0.19	0.03
Crit Volume:	651	53		561	62							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:48 Page 16-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #14 Cirby Wy & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 1.008
Loss Time (sec): 9 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	Permitted	Permitted
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:	0 0 2 0 1	2 0 1 0 0	0 0 0 0 0	2 0 0 0 2

Volume Module:

Base Vol:	0	481	571	1983	576	0	0	0	0	561	0	1727
Growth Adj:	1.00	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	481	571	1983	576	0	0	0	0	561	0	1727
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	481	0	1983	576	0	0	0	0	561	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	481	0	1983	576	0	0	0	0	561	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:	0	481	0	1983	576	0	0	0	0	561	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:	0.00	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	3000

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.00	0.66	0.38	0.00	0.00	0.00	0.00	0.19	0.00	0.00
Crit Volume:	240	991				0				281		
Crit Moves:	****	****								****		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 17-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #15 Cirby Wy & Melody Ln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.585
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	Permitted	Protected	Protected
Rights:	Ignore	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 3 0 0

Volume Module:

Base Vol:	0	0	235	0	0	0	0	2111	20	334	1924	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	235	0	0	0	0	2111	20	334	1924	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:	0	0	0	0	0	0	0	2111	20	334	1924	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	2111	20	334	1924	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:	0	0	0	0	0	0	0	2111	20	334	1924	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	0.00	0.00	2.97	0.03	2.00	3.00	0.00
Final Sat.:	0	0	1500	0	0	0	0	4458	42	3000	4500	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.47	0.11	0.43	0.00
Crit Volume:	0	0	0	0	0	0	0	710	167	0	0	0
Crit Moves:								****	****			

NP25 AM Thu Sep 19, 2013 08:51:48 Page 18-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #16 Cirby Wy & Northridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.782
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 105 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:	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 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	9	0	21	16	1	22	6	2151	2	6	2091	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:	9	0	21	16	1	22	6	2151	2	6	2091	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:	9	0	21	16	1	22	6	2151	2	6	2091	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	0	21	16	1	22	6	2151	2	6	2091	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:	9	0	21	16	1	22	6	2151	2	6	2091	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:	0.30	0.00	0.70	0.94	0.06	1.00	1.00	1.99	0.01	1.00	1.99	0.01
Final Sat.:	435	0	1015	1365	85	1450	1450	2897	3	1450	2886	14

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.01	0.01	0.02	0.00	0.74	0.74	0.00	0.72	0.72
Crit Volume:	30	0	22	1077	6	0	0	0	0	0	0	0
Crit Moves:	****		****	****	****							

NP25 AM Thu Sep 19, 2013 08:51:48 Page 19-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #17 Cirby Wy & Oak Ridge 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:	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 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	43	43	86	24	5	53	171	1211	4	19	661	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:	43	43	86	24	5	53	171	1211	4	19	661	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:	43	43	86	24	5	53	171	1211	4	19	661	243
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	43	86	24	5	53	171	1211	4	19	661	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:	43	43	86	24	5	53	171	1211	4	19	661	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:	0.25	0.25	0.50	0.83	0.17	1.00	1.00	1.99	0.01	1.00	1.46	0.54
Final Sat.:	375	375	750	1241	259	1500	1500	2990	10	1500	2194	806

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.11	0.02	0.02	0.04	0.11	0.40	0.41	0.01	0.30	0.30
Crit Volume:	172			24			608		19			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:48 Page 20-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #18 Cirby Wy & Orlando Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.915
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:	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 2 0 1	2 0 1 1 0

Volume Module:

Base Vol:	19	13	433	4	1	21	8	1306	48	21	1765	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:	19	13	433	4	1	21	8	1306	48	21	1765	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:	19	13	433	4	1	21	8	1306	48	21	1765	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	13	433	4	1	21	8	1306	48	21	1765	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:	19	13	433	4	1	21	8	1306	48	21	1765	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:	0.59	0.41	1.00	0.80	0.20	1.00	1.00	2.00	1.00	2.00	1.99	0.01
Final Sat.:	861	589	1450	1160	290	1450	1450	2900	1450	2900	2897	3

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.30	0.00	0.00	0.01	0.01	0.45	0.03	0.01	0.61	0.61
Crit Volume:	433			21		0			884			
Crit Moves:	****			****		****			****			

NP25 AM Thu Sep 19, 2013 08:51:48 Page 21-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #19 Cirby Wy & Parkview Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.598
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:	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:	112	2	38	70	1	89	32	1188	0	50	618	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:	112	2	38	70	1	89	32	1188	0	50	618	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:	112	2	38	70	1	89	32	1188	0	50	618	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	2	38	70	1	89	32	1188	0	50	618	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:	112	2	38	70	1	89	32	1188	0	50	618	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:	0.74	0.01	0.25	0.99	0.01	1.00	1.00	2.00	0.00	1.00	1.92	0.08
Final Sat.:	1068	19	363	1430	20	1450	1450	2900	0	1450	2779	121

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	0.10	0.05	0.05	0.06	0.02	0.41	0.00	0.03	0.22	0.22
Crit Volume:	152			71			594			50		
Crit Moves:	***			***			***			***		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 22-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #20 Cirby Wy & Riverside Av

Cycle (sec): 120 Critical Vol./Cap.(X): 1.029
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	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 3 0 1	2 0 3 0 2	2 0 2 0 1

Volume Module:

Base Vol:	1287	819	200	189	296	113	370	1485	1313	383	1129	336
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1287	819	200	189	296	113	370	1485	1313	383	1129	336
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1287	819	200	189	296	113	370	1485	1313	383	1129	336
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1287	819	200	189	296	113	370	1485	1313	383	1129	336
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00
FinalVolume:	1287	819	200	189	296	113	370	1485	1444	383	1129	336

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.44	0.28	0.14	0.07	0.07	0.08	0.13	0.34	0.50	0.13	0.39	0.23
Crit Volume:	644			99			185			564		
Crit Moves:	***			***			***			***		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 23-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #21 Cirby Wy & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.432
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:	Include	Ignore	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 1 0 0 1	1 1 0 1 0	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	141	0	219	637	519	0	0	384	655
Growth Adj:	1.00	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	141	0	219	637	519	0	0	384	655
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:	0	0	0	141	0	0	637	519	0	0	384	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	141	0	0	637	519	0	0	384	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:	0	0	0	141	0	0	637	519	0	0	384	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	1.65	1.35	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	2480	2020	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.00	0.26	0.26	0.00	0.00	0.13	0.00
Crit Volume:	0	0	0	71	0	0	385	192	0	0	714	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:48 Page 24-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #22 Cirby Wy & San Simeon Dr

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:	Permitted	Permitted	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 2 1 0	1 0 2 0 0

Volume Module:

Base Vol:	151	0	199	0	0	0	0	1722	25	20	1427	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:	151	0	199	0	0	0	0	1722	25	20	1427	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:	151	0	199	0	0	0	0	1722	25	20	1427	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	151	0	199	0	0	0	0	1722	25	20	1427	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:	151	0	199	0	0	0	0	1722	25	20	1427	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	2.96	0.04	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4436	64	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.13	0.00	0.00	0.00	0.00	0.39	0.39	0.01	0.48	0.00
Crit Volume:	199	0	0	0	0	0	0	714	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:48 Page 25-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #23 Cirby Wy & Vernon St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.987
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	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	2 0 1 0 1	2 0 1 1 0	2 0 2 0 1

Volume Module:

Base Vol:	40	204	76	76	34	310	451	2028	89	89	1928	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:	40	204	76	76	34	310	451	2028	89	89	1928	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:	40	204	76	76	34	310	451	2028	89	89	1928	83
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	204	76	76	34	310	451	2028	89	89	1928	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:	40	204	76	76	34	310	451	2028	89	89	1928	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	1.00	1.00	2.00	1.00	1.00	2.00	1.92	0.08	2.00	2.00	1.00
Final Sat.:	1450	1450	1450	2900	1450	1450	2900	2778	122	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.14	0.05	0.03	0.02	0.21	0.16	0.73	0.73	0.03	0.66	0.06
Crit Volume:	204	38	226	964								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:48 Page 26-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #24 Douglas & Eureka

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
Control:	Protected	Protected	Protected	Protected
Rights:	Include	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 2 1 0	3 0 2 1 0	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	298	701	17	391	308	131	150	1056	234	50	993	660
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	298	701	17	391	308	131	150	1056	234	50	993	660
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:	298	701	17	391	308	131	150	1056	234	50	993	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	298	701	17	391	308	131	150	1056	234	50	993	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:	298	701	17	391	308	131	150	1056	234	50	993	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	2.93	0.07	3.00	2.10	0.90	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4247	103	4350	3052	1298	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.17	0.17	0.09	0.10	0.10	0.05	0.24	0.16	0.02	0.23	0.00
Crit Volume:	239	130	75	331								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:48 Page 27-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #25 Douglas & Rocky Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.606
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	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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	183	861	238	137	221	75	335	1291	12	91	1067	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:	183	861	238	137	221	75	335	1291	12	91	1067	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:	183	861	238	137	221	75	335	1291	0	91	1067	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	861	238	137	221	75	335	1291	0	91	1067	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:	183	861	238	137	221	75	335	1291	0	91	1067	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:	0.06	0.20	0.16	0.05	0.05	0.05	0.12	0.30	0.00	0.03	0.25	0.00
Crit Volume:	287	69	168	356								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:48 Page 28-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #26 Douglas & Santa Clara

Cycle (sec): 120 Critical Vol./Cap.(X): 0.570
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	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 1 0 1	1 1 0 0 1	1 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	172	57	51	33	44	6	109	1622	109	33	1213	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:	172	57	51	33	44	6	109	1622	109	33	1213	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	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:	172	57	51	33	44	6	109	1622	109	33	1213	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	172	57	51	33	44	6	109	1622	109	33	1213	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:	172	57	51	33	44	6	109	1622	109	33	1213	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	2.81	0.19	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	4076	274	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.04	0.04	0.02	0.03	0.00	0.08	0.40	0.40	0.02	0.28	0.00
Crit Volume:	172	44	577	33								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:48 Page 29-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #27 Douglas & Sierra Gardens

Cycle (sec): 120 Critical Vol./Cap.(X): 0.523
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:	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 0 1 0 0	1 0 1 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	16	65	38	58	21	41	77	1647	51	45	1187	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:	16	65	38	58	21	41	77	1647	51	45	1187	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:	16	65	38	58	21	41	77	1647	51	45	1187	80
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	65	38	58	21	41	77	1647	51	45	1187	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
FinalVolume:	16	65	38	58	21	41	77	1647	51	45	1187	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	0.63	0.37	1.00	0.34	0.66	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	915	535	1450	491	959	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.07	0.07	0.04	0.04	0.04	0.05	0.38	0.04	0.03	0.27	0.06
Crit Volume:	103			62			549		45			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:48 Page 30-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #28 Douglas & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.704
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 77 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 2 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 1 0

Volume Module:

Base Vol:	298	578	102	76	230	182	391	1860	225	147	1175	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:	298	578	102	76	230	182	391	1860	225	147	1175	74
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	298	578	102	76	230	182	391	1860	225	147	1175	74
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	298	578	102	76	230	182	391	1860	225	147	1175	74
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	298	578	102	76	230	182	391	1860	225	147	1175	74

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	2.00	3.76	0.24
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	5456	344

Capacity Analysis Module:

Vol/Sat:	0.10	0.20	0.07	0.03	0.05	0.13	0.13	0.43	0.16	0.05	0.22	0.22
Crit Volume:	289			38			620		74			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:48 Page 31-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #29 Douglas & Target

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:	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 2 1 0	1 0 2 1 0

Volume Module:

Base Vol:	35	1	25	1	1	8	32	1640	72	20	1314	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:	35	1	25	1	1	8	32	1640	72	20	1314	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:	35	1	25	1	1	8	32	1640	72	20	1314	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	1	25	1	1	8	32	1640	72	20	1314	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:	35	1	25	1	1	8	32	1640	72	20	1314	7

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.04	0.96	1.00	0.11	0.89	1.00	2.87	0.13	1.00	2.98	0.02
Final Sat.:	1450	56	1394	1450	161	1289	1450	4167	183	1450	4327	23

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.00	0.01	0.01	0.02	0.39	0.39	0.01	0.30	0.30
Crit Volume:	35			9			571			20		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 32-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #30 Douglas Bl & E Roseville Pw

Cycle (sec): 120 Critical Vol./Cap.(X): 0.735
Loss Time (sec): 12 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	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 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	339	776	47	907	532	74	100	1151	81	56	1366	651
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	339	776	47	907	532	74	100	1151	81	56	1366	651
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	339	776	47	907	532	74	100	1151	81	56	1366	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	339	776	47	907	532	74	100	1151	81	56	1366	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:	339	776	47	907	532	74	100	1151	81	56	1366	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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.18	0.03	0.21	0.12	0.05	0.03	0.26	0.06	0.02	0.31	0.00
Crit Volume:	259			302			50			455		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 33-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #31 Douglas Bl & Folsom Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.499
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 0	1 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	5	3	11	191	6	36	37	1143	8	30	725	206
Growth Adj:	1.00	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	3	11	191	6	36	37	1143	8	30	725	206
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	3	11	191	6	36	37	1143	8	30	725	206
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	3	11	191	6	36	37	1143	8	30	725	206
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	3	11	191	6	36	37	1143	8	30	725	206

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.26	0.16	0.58	1.94	0.06	1.00	1.00	1.99	0.01	1.00	1.56	0.44
Final Sat.:	382	229	839	2812	88	1450	1450	2880	20	1450	2258	642

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.07	0.07	0.02	0.03	0.40	0.40	0.02	0.32	0.32
Crit Volume:	19	98		576		30						
Crit Moves:	***	***		***		***						

NP25 AM Thu Sep 19, 2013 08:51:48 Page 34-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #32 Douglas Bl & Harding Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.659
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:	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	7	29	307	7	189	172	1198	23	46	825	769
Growth Adj:	1.00	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	7	29	307	7	189	172	1198	23	46	825	769
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	7	0	307	7	189	172	1198	23	46	825	769
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	7	0	307	7	189	172	1198	23	46	825	769
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	7	0	307	7	189	172	1198	23	46	825	769

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.96	0.04	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2835	65	1450	1450	2845	55	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.00	0.11	0.11	0.13	0.12	0.42	0.42	0.03	0.28	0.53
Crit Volume:	15			0		172						769
Crit Moves:	***			***		***						***

NP25 AM Thu Sep 19, 2013 08:51:48 Page 35-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #33 Douglas Bl & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.325
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	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:	0 0 0 0 1	1 0 1 0 0	0 0 1 1 0	0 0 1 0 1

Volume Module:

Base Vol:	0	0	4	501	6	1	0	424	5	0	230	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	4	501	6	1	0	424	5	0	230	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	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:	0	0	4	501	6	1	0	424	5	0	230	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	4	501	6	1	0	424	5	0	230	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:	0	0	4	501	6	1	0	424	5	0	230	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	1.97	0.02	0.01	0.00	1.98	0.02	0.00	1.00	1.00
Final Sat.:	0	0	1500	2959	35	6	0	2965	35	0	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.17	0.17	0.17	0.00	0.14	0.14	0.00	0.15	0.00
Crit Volume:			4	254			0			230		
Crit Moves:	***		***			***				***		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 36-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #34 Douglas Bl & Keehner Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.516
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:	Permitted	Permitted	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:	43	0	255	0	0	0	0	990	49	88	572	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:	43	0	255	0	0	0	0	990	49	88	572	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:	43	0	255	0	0	0	0	990	49	88	572	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	0	255	0	0	0	0	990	49	88	572	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:	43	0	255	0	0	0	0	990	49	88	572	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	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2859	141	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.17	0.00	0.00	0.00	0.00	0.35	0.35	0.06	0.19	0.00
Crit Volume:			255	0					520	0		
Crit Moves:			***						***	***		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 37-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #35 Douglas Bl & Park 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:	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 0 0 1 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	9	0	2	56	3	8	0	968	5	0	535	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	2	56	3	8	0	968	5	0	535	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:	9	0	2	56	3	8	0	968	5	0	535	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	0	2	56	3	8	0	968	5	0	535	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:	9	0	2	56	3	8	0	968	5	0	535	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:	0.82	0.00	0.18	1.00	0.27	0.73	0.00	1.99	0.01	1.00	2.00	0.00
Final Sat.:	1186	0	264	1450	395	1055	0	2885	15	1450	2900	0

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.01	0.04	0.01	0.01	0.00	0.34	0.34	0.00	0.18	0.00
Crit Volume:	11	56						487	0			
Crit Moves:	***	***						***	***			

NP25 AM Thu Sep 19, 2013 08:51:48 Page 38-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #36 Douglas Bl & Sierra College Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.752
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	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 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	570	781	210	181	509	191	154	1292	228	233	1676	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:	570	781	210	181	509	191	154	1292	228	233	1676	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:	570	781	210	181	509	191	154	1292	228	233	1676	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	570	781	210	181	509	191	154	1292	228	233	1676	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:	570	781	210	181	509	191	154	1292	228	233	1676	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:	0.20	0.18	0.14	0.06	0.12	0.13	0.05	0.30	0.16	0.08	0.39	0.00
Crit Volume:	285			170			77			559		
Crit Moves:	***			***			***			***		

NP25 AM Thu Sep 19, 2013 08:51:48 Page 39-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #37 Eureka & Lead Hill

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:	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:	123	1097	57	183	903	15	25	112	127	71	92	66
Growth Adj:	1.00	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	1097	57	183	903	15	25	112	127	71	92	66
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:	123	1097	0	183	903	0	25	112	0	71	92	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	123	1097	0	183	903	0	25	112	0	71	92	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:	123	1097	0	183	903	0	25	112	0	71	92	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:	0.08	0.25	0.00	0.13	0.21	0.00	0.02	0.04	0.00	0.05	0.03	0.00
Crit Volume:	366	183		56	71							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:48 Page 40-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #38 Eureka & N. Sunrise

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			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	3	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	143	247	110	83	275	356	43	1976	475	66	1409	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:	143	247	110	83	275	356	43	1976	475	66	1409	140
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:	143	247	0	83	275	0	43	1976	0	66	1409	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	143	247	0	83	275	0	43	1976	0	66	1409	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:	143	247	0	83	275	0	43	1976	0	66	1409	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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	4.00	1.00
Final Sat.:	4350	4350	1450	2900	4350	1450	2900	4350	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.06	0.00	0.03	0.06	0.00	0.01	0.45	0.00	0.02	0.24	0.00
Crit Volume:	48	92		659	33							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:49 Page 41-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #39 Eureka & Rocky Ridge

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	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	2 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	22	1077	84	199	1239	76	266	203	122	63	167	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:	22	1077	84	199	1239	76	266	203	122	63	167	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:	22	1077	0	199	1239	0	266	203	0	63	167	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	1077	0	199	1239	0	266	203	0	63	167	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:	22	1077	0	199	1239	0	266	203	0	63	167	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	2.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	2900	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.25	0.00	0.14	0.28	0.00	0.09	0.07	0.00	0.04	0.06	0.00
Crit Volume:	359	199		133			84					
Crit Moves:	****	****		****			****					

NP25 AM Thu Sep 19, 2013 08:51:49 Page 42-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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): 0.357
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:	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 1 0 0 1	0 1 0 0 1	1 0 1 1 0	1 0 2 0 1

Volume Module:

Base Vol:	63	7	11	17	17	22	8	413	115	28	812	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:	63	7	11	17	17	22	8	413	115	28	812	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:	63	7	11	17	17	22	8	413	115	28	812	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	63	7	11	17	17	22	8	413	115	28	812	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:	63	7	11	17	17	22	8	413	115	28	812	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:	0.90	0.10	1.00	0.50	0.50	1.00	1.00	1.56	0.44	1.00	2.00	1.00
Final Sat.:	1305	145	1450	725	725	1450	1450	2268	632	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.01	0.02	0.02	0.02	0.01	0.18	0.18	0.02	0.28	0.01
Crit Volume:	70			34			8			406		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 43-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #41 Eureka Rd & Deer Valley Apts

Cycle (sec): 120 Critical Vol./Cap.(X): 0.374
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	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	1 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	48	697	9	6	833	7	18	5	53	15	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:	48	697	9	6	833	7	18	5	53	15	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:	48	697	9	6	833	7	18	5	53	15	1	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	48	697	9	6	833	7	18	5	53	15	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
FinalVolume:	48	697	9	6	833	7	18	5	53	15	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	1.97	0.03	1.00	1.98	0.02	1.00	0.09	0.91	0.94	0.06	1.00
Final Sat.:	1450	2863	37	1450	2876	24	1450	125	1325	1359	91	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.24	0.24	0.00	0.29	0.29	0.01	0.04	0.04	0.01	0.01	0.00
Crit Volume:	48			420			58			16		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 44-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #42 Fairway & Central Park/Lowes

Cycle (sec): 120 Critical Vol./Cap.(X): 0.440
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:	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 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	69	183	22	69	277	82	54	137	36	45	248	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:	69	183	22	69	277	82	54	137	36	45	248	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:	69	183	22	69	277	82	54	137	36	45	248	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	183	22	69	277	82	54	137	36	45	248	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:	69	183	22	69	277	82	54	137	36	45	248	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	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.13	0.02	0.05	0.19	0.06	0.04	0.05	0.02	0.03	0.09	0.08
Crit Volume:	183			277			54			124		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 45-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #43 Fairway & Cortina Circle

Cycle (sec): 100 Critical Vol./Cap.(X): 0.274
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	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 0 1	1 0 2 0 1	1 1 0 0 1	1 0 0 1 0

Volume Module:

Base Vol:	91	636	9	11	324	88	46	0	32	9	1	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:	91	636	9	11	324	88	46	0	32	9	1	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:	91	636	9	11	324	88	46	0	32	9	1	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	91	636	9	11	324	88	46	0	32	9	1	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:	91	636	9	11	324	88	46	0	32	9	1	36

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.03	0.97
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	1450	39	1411

Capacity Analysis Module:

Vol/Sat:	0.06	0.22	0.01	0.01	0.11	0.06	0.02	0.00	0.02	0.01	0.03	0.03
Crit Volume:	318	11							32			37
Crit Moves:	****	****							****			****

NP25 AM Thu Sep 19, 2013 08:51:49 Page 46-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #44 Fairway & Five Star

Cycle (sec): 120 Critical Vol./Cap.(X): 0.399
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:	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:	1 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	23	166	71	44	173	138	87	88	12	38	216	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:	23	166	71	44	173	138	87	88	12	38	216	53
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	166	71	44	173	138	87	88	12	38	216	53
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	166	71	44	173	138	87	88	12	38	216	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:	23	166	71	44	173	138	87	88	12	38	216	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:	1.00	1.00	1.00	0.20	0.80	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	294	1156	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.11	0.05	0.15	0.15	0.10	0.06	0.03	0.01	0.03	0.07	0.04
Crit Volume:	166	217	87							108		
Crit Moves:	****	****	****							****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 47-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #45 Fairway & Home Depot

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:	Split Phase	Split Phase	Protected	Protected
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:	0 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	54	195	1	30	280	69	80	74	33	4	208	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:	54	195	1	30	280	69	80	74	33	4	208	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:	54	195	1	30	280	69	80	74	33	4	208	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	195	1	30	280	69	80	74	33	4	208	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:	54	195	1	30	280	69	80	74	33	4	208	5

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.22	0.78	1.00	0.10	0.90	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	314	1136	1450	140	1310	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.17	0.00	0.21	0.21	0.05	0.06	0.03	0.02	0.00	0.07	0.00
Crit Volume:	249	310		80	104							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:49 Page 48-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #46 Fairway & Target/Rosehall

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:	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:	1 1 0 0 1	0 0 1! 0 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	44	260	36	4	285	20	40	45	43	43	446	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:	44	260	36	4	285	20	40	45	43	43	446	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:	44	260	36	4	285	20	40	45	43	43	446	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	260	36	4	285	20	40	45	43	43	446	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:	44	260	36	4	285	20	40	45	43	43	446	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	0.01	0.93	0.06	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	19	1337	94	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.18	0.02	0.21	0.21	0.21	0.03	0.02	0.03	0.03	0.15	0.01
Crit Volume:	260	309	40	223								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:49 Page 49-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #47 Fiddymment & Del Webb/Village Green

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

Volume Module:

Base Vol:	51	1148	42	62	1137	118	251	86	16	26	27	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:	51	1148	42	62	1137	118	251	86	16	26	27	29
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:	51	1148	42	62	1137	0	251	86	16	26	27	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	1148	42	62	1137	0	251	86	16	26	27	29
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:	51	1148	42	62	1137	0	251	86	16	26	27	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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.40	0.03	0.04	0.39	0.00	0.17	0.06	0.01	0.02	0.02	0.02
Crit Volume:	574			62			251			27		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 50-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #48 Fiddymment & Hayden Pkwy North

Cycle (sec): 100 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			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	1	0	1

Volume Module:

Base Vol:	51	863	100	24	771	28	118	14	79	98	11	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:	51	863	100	24	771	28	118	14	79	98	11	105
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	51	863	100	24	771	28	118	14	79	98	11	105
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	863	100	24	771	28	118	14	79	98	11	105
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	51	863	100	24	771	28	118	14	79	98	11	105

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.04	0.30	0.07	0.02	0.27	0.02	0.08	0.01	0.05	0.07	0.01	0.07
Crit Volume:	432			0			118			105		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 51-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #49 Fiddymment & Hayden Pkwy South

Cycle (sec): 100 Critical Vol./Cap.(X): 0.545
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:	Protected	Protected	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:	1 0 2 0 0	0 0 2 0 1	1 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	69 1281	0	0 1243	68 127	0 42	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
Initial Bse:	69 1281	0	0 1243	68 127	0 42	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
PHF Adj:	1.00 1.00	1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00
PHF Volume:	69 1281	0	0 1243	68 127	0 42	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	69 1281	0	0 1243	68 127	0 42	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
MLF Adj:	1.00 1.00	1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00
FinalVolume:	69 1281	0	0 1243	68 127	0 42	0 0 0

Saturation Flow Module:

Sat/Lane:	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
Lanes:	1.00 2.00	0.00	0.00 2.00	1.00 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 0.43	0.00	0.00 0.41	0.05 0.08	0.00 0.03	0.00 0.00
Crit Volume:	69		622	127		0
Crit Moves:	****		****	****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 52-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #50 Foothills & Baseline/Main

Cycle (sec): 120 Critical Vol./Cap.(X): 0.968
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	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	1 0 4 0 1	2 0 2 0 1	1 0 3 0 1

Volume Module:

Base Vol:	438 1470	58	66 946	149 187	503 1002	64 325	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:	438 1470	58	66 946	149 187	503 1002	64 325	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:	438 1470	58	66 946	149 187	503 1002	64 325	76
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	438 1470	58	66 946	149 187	503 1002	64 325	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:	438 1470	58	66 946	149 187	503 1002	64 325	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 3.00	1.00	1.00 4.00	1.00 2.00	2.00 2.00	1.00 1.00	3.00 1.00
Final Sat.:	2900 4350	1450	1450 5800	1450 2900	2900 1450	1450 4350	1450

Capacity Analysis Module:

Vol/Sat:	0.15 0.34	0.04	0.05 0.16	0.10 0.06	0.17 0.69	0.04 0.07	0.05
Crit Volume:	490		66		1002	64	
Crit Moves:	****		****		****	****	

NP25 AM Thu Sep 19, 2013 08:51:49 Page 53-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #51 Foothills & Misty Wood/Nec

Cycle (sec): 120 Critical Vol./Cap.(X): 0.584
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	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	1 1 0 0 1

Volume Module:

Base Vol:	11 1797 414	36 336 8	41 9 18	47 1 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:	11 1797 414	36 336 8	41 9 18	47 1 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:	11 1797 414	36 336 8	41 9 18	47 1 4
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	11 1797 414	36 336 8	41 9 18	47 1 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:	11 1797 414	36 336 8	41 9 18	47 1 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 2.44 0.56	1.00 2.93 0.07	0.82 0.18 1.00	1.96 0.04 1.00
Final Sat.:	1450 3535 815	1450 4249 101	1189 261 1450	2840 60 1450

Capacity Analysis Module:

Vol/Sat:	0.01 0.51 0.51	0.02 0.08 0.08	0.03 0.03 0.01	0.02 0.02 0.00
Crit Volume:	737	36	50	24
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:49 Page 54-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #52 Foothills Bl & Albertsons Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.517
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:	Protected	Protected	Split Phase	Split Phase
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:	1 0 3 0 1	1 0 3 0 1	1 1 0 0 1	1 0 1 0 1

Volume Module:

Base Vol:	300 1043 148	89 1050 373	83 4 54	56 4 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:	300 1043 148	89 1050 373	83 4 54	56 4 14
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Volume:	300 1043 148	89 1050 373	83 4 0	56 4 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	300 1043 148	89 1050 373	83 4 0	56 4 0
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00
FinalVolume:	300 1043 148	89 1050 373	83 4 0	56 4 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	1.91 0.09 1.00	1.00 1.00 1.00
Final Sat.:	1450 4350 1450	1450 4350 1450	2767 133 1450	1450 1450 1450

Capacity Analysis Module:

Vol/Sat:	0.21 0.24 0.10	0.06 0.24 0.26	0.03 0.03 0.00	0.04 0.00 0.00
Crit Volume:	300	350	44	56
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:49 Page 55-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #53 Foothills Bl & Atkinson Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.538
Loss Time (sec): 9 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			Permitted			Permitted		
Rights:	Ovl			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:	0	0	3	0	1	0	0	0	0	1	0	0

Volume Module:

Base Vol:	0	1827	21	0	2110	0	0	0	0	103	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1827	21	0	2110	0	0	0	0	103	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	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	1827	21	0	2110	0	0	0	0	103	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1827	21	0	2110	0	0	0	0	103	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	1827	21	0	2110	0	0	0	0	103	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:	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	4500	1500	1500	4500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.41	0.01	0.00	0.47	0.00	0.00	0.00	0.00	0.07	0.00	0.00
Crit Volume:	0			703			0			103		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 56-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #54 Foothills Bl & Roseville Pkwy/HP Central

Cycle (sec): 120 Critical Vol./Cap.(X): 0.800
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 114 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			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	0	2	0	2	0	1	0

Volume Module:

Base Vol:	157	890	639	579	502	93	3	77	11	363	342	640
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	157	890	639	579	502	93	3	77	11	363	342	640
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:	157	890	639	579	502	0	3	77	0	363	342	640
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	157	890	639	579	502	0	3	77	0	363	342	640
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:	157	890	639	579	502	0	3	77	0	363	342	640

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.05	0.31	0.44	0.20	0.17	0.00	0.00	0.03	0.00	0.08	0.24	0.44
Crit Volume:	639			0			2			640		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 57-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #55 Foothills Bl & HP South

Cycle (sec): 120 Critical Vol./Cap.(X): 0.734
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 70 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			Permitted			Permitted		
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	0	1	0	1	1	0	0	1	1

Volume Module:

Base Vol:	1	1832	132	172	622	35	2	2	4	18	2	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:	1	1832	132	172	622	35	2	2	4	18	2	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:	1	1832	132	172	622	35	2	2	4	18	2	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	1832	132	172	622	35	2	2	4	18	2	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:	1	1832	132	172	622	35	2	2	4	18	2	34

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	2.84	0.16	1.00	1.00	1.00	1.80	0.20	1.00
Final Sat.:	1500	3000	1500	1500	4260	240	1500	1500	1500	2700	300	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.61	0.09	0.11	0.15	0.15	0.00	0.00	0.00	0.01	0.01	0.02
Crit Volume:	916		172				4		10			
Crit Moves:	****		****				****		****			

NP25 AM Thu Sep 19, 2013 08:51:49 Page 58-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #56 Foothills Bl & Junction Bl

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:	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:	2	0	3	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	91	1479	214	199	863	105	436	932	122	184	192	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:	91	1479	214	199	863	105	436	932	122	184	192	144
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:	91	1479	0	199	863	0	436	932	122	184	192	144
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	91	1479	0	199	863	0	436	932	122	184	192	144
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:	91	1479	0	199	863	0	436	932	122	184	192	144

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.03	0.34	0.00	0.07	0.20	0.00	0.15	0.32	0.08	0.06	0.04	0.10
Crit Volume:	493		99				466		92			
Crit Moves:	****		****				****		****			

NP25 AM Thu Sep 19, 2013 08:51:49 Page 59-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #57 Foothills Bl & Mcanally Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.595
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			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:	76	1828	32	6	964	38	105	13	231	73	9	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:	76	1828	32	6	964	38	105	13	231	73	9	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:	76	1828	32	6	964	38	105	13	231	73	9	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	1828	32	6	964	38	105	13	231	73	9	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:	76	1828	32	6	964	38	105	13	231	73	9	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:	1.00	2.95	0.05	1.00	2.89	0.11	0.89	0.11	1.00	0.89	0.11	1.00
Final Sat.:	1450	4275	75	1450	4185	165	1290	160	1450	1291	159	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.43	0.43	0.00	0.23	0.23	0.08	0.08	0.16	0.06	0.06	0.01
Crit Volume:	620			6			231		82			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:49 Page 60-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #58 Foothills Bl & Pleasant Grove Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.870
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 176 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	2	0	3	2	0	3	3	0	3

Volume Module:

Base Vol:	203	1484	539	84	294	100	682	1671	165	504	743	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:	203	1484	539	84	294	100	682	1671	165	504	743	155
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:	203	1484	0	84	294	0	682	1671	0	504	743	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	203	1484	0	84	294	0	682	1671	0	504	743	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:	203	1484	0	84	294	0	682	1671	0	504	743	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	4.00	1.00	2.00	3.00	1.00	3.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	5800	1450	2900	4350	1450	4350	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.34	0.00	0.03	0.05	0.00	0.24	0.38	0.00	0.12	0.17	0.00
Crit Volume:	495			42			557		168			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:49 Page 61-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #59 Foothills Blvd & Rand/Pilgrims

Cycle (sec): 120 Critical Vol./Cap.(X): 0.509
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 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 1 0 2 1 0 0 0 1! 0 0 0 0 1! 0 0 0

Volume Module:
Base Vol: 19 1743 20 9 1201 10 46 2 46 36 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: 19 1743 20 9 1201 10 46 2 46 36 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: 19 1743 20 9 1201 10 46 2 46 36 3 8
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 19 1743 20 9 1201 10 46 2 46 36 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: 19 1743 20 9 1201 10 46 2 46 36 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 2.97 0.03 1.00 2.98 0.02 0.49 0.02 0.49 0.77 0.06 0.17
Final Sat.: 1450 4301 49 1450 4314 36 710 31 710 1111 93 247

Capacity Analysis Module:
Vol/Sat: 0.01 0.41 0.41 0.01 0.28 0.28 0.06 0.06 0.06 0.03 0.03 0.03
Crit Volume: 588 9 94 47
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:49 Page 62-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #60 Foothills Bl & Vineyard Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.684
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 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 1 0 2 0 2 0 1

Volume Module:
Base Vol: 113 1914 93 130 1792 42 119 279 262 167 46 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: 113 1914 93 130 1792 42 119 279 262 167 46 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: 113 1914 0 130 1792 42 119 279 262 167 46 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 113 1914 0 130 1792 42 119 279 262 167 46 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: 113 1914 0 130 1792 42 119 279 262 167 46 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 2.93 0.07 1.00 2.00 1.00 2.00 2.00 1.00
Final Sat.: 2900 4350 1450 2900 4250 100 1450 2900 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.04 0.44 0.00 0.04 0.42 0.42 0.08 0.10 0.18 0.06 0.02 0.00
Crit Volume: 638 65 262 84
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:49 Page 63-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #61 Galleria & Antelope Creek

Cycle (sec): 120 Critical Vol./Cap.(X): 0.439
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:	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:	17 1500	50	183 1825	38	4	1	11	54	4	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	1.00	1.00
Initial Bse:	17 1500	50	183 1825	38	4	1	11	54	4	115
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	0.00	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 1.00	0.00	0.00
PHF Volume:	17 1500	0	183 1825	38	4	1	0	54	4	0
Reduct Vol:	0 0	0	0 0	0	0 0	0	0	0 0	0	0
Reduced Vol:	17 1500	0	183 1825	38	4	1	0	54	4	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 1.00	0.00	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 1.00	0.00	0.00
FinalVolume:	17 1500	0	183 1825	38	4	1	0	54	4	0

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.01 0.34	0.00	0.06 0.42	0.03	0.00 0.00	0.00	0.01 0.00	0.00	0.00 0.00	0.00
Crit Volume:	9		608		1		18			
Crit Moves:	****		****		****		****			

NP25 AM Thu Sep 19, 2013 08:51:49 Page 64-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #62 Galleria & Berry

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	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 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	32 1609	3	11 1625	16	114	0	97	3	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	1.00 1.00	1.00
Initial Bse:	32 1609	3	11 1625	16	114	0	97	3	0	8
User Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
PHF Adj:	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:	32 1609	3	11 1625	16	114	0	97	3	0	8
Reduct Vol:	0 0	0	0 0	0	0 0	0	0 0	0	0	0
Reduced Vol:	32 1609	3	11 1625	16	114	0	97	3	0	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	1.00 1.00	1.00
MLF Adj:	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:	32 1609	3	11 1625	16	114	0	97	3	0	8

Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
Adjustment:	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
Lanes:	1.00 1.99	0.01	1.00 2.00	1.00	1.00 0.00	1.00	1.00 0.00	1.00	1.00 0.00	1.00
Final Sat.:	1450 2895	5	1450 2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.02 0.56	0.56	0.01 0.56	0.01	0.08 0.00	0.07	0.00 0.00	0.01	0.00 0.00	0.01
Crit Volume:	32		812		114		3			
Crit Moves:	****		****		****		****			

NP25 AM Thu Sep 19, 2013 08:51:49 Page 65-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #63 Galleria & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.800
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 114 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 3 0 1	3 0 3 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	878	671	47	1011	660	172	288	1129	595	50	1426	554
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	878	671	47	1011	660	172	288	1129	595	50	1426	554
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:	878	671	0	1011	660	0	288	1129	0	50	1426	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	878	671	0	1011	660	0	288	1129	0	50	1426	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:	878	671	0	1011	660	0	288	1129	0	50	1426	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	3.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.30	0.15	0.00	0.23	0.15	0.00	0.10	0.19	0.00	0.02	0.25	0.00
Crit Volume:	439			220			144			357		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 66-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #64 Harding & Wills

Cycle (sec): 120 Critical Vol./Cap.(X): 0.633
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:	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:	2 0 1 1 0	1 0 2 0 1	2 0 0 1 0	1 0 1 0 1

Volume Module:

Base Vol:	29	1221	7	11	1236	439	383	17	267	2	2	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:	29	1221	7	11	1236	439	383	17	267	2	2	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:	29	1221	7	11	1236	439	383	17	267	2	2	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	1221	7	11	1236	439	383	17	267	2	2	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:	29	1221	7	11	1236	439	383	17	267	2	2	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:	2.00	1.99	0.01	1.00	2.00	1.00	2.00	0.06	0.94	1.00	1.00	1.00
Final Sat.:	2900	2883	17	1450	2900	1450	2900	87	1363	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.42	0.42	0.01	0.43	0.30	0.13	0.20	0.20	0.00	0.00	0.00
Crit Volume:	15			618			284			2		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 67-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #65 Harding Bl & Estates Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.456
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	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 1 1 0	1 0 1 1 0	1 0 1! 0 0	0 1 0 0 1

Volume Module:

Base Vol:	33	855	2	33	500	95	271	18	31	25	14	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:	33	855	2	33	500	95	271	18	31	25	14	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:	33	855	2	33	500	95	271	18	31	25	14	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	33	855	2	33	500	95	271	18	31	25	14	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:	33	855	2	33	500	95	271	18	31	25	14	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	1.99	0.01	1.00	1.68	0.32	1.70	0.11	0.19	0.64	0.36	1.00
Final Sat.:	1450	2893	7	1450	2437	463	2456	163	281	929	521	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.30	0.30	0.02	0.21	0.21	0.11	0.11	0.11	0.03	0.03	0.02
Crit Volume:	429	33		160	39							
Crit Moves:	***	***		***	***							

NP25 AM Thu Sep 19, 2013 08:51:49 Page 68-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #66 Harding Bl & Lead Hill Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.703
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 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	Permitted
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	2 0 2 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0	730	428	732	651	0	0	0	0	199	0	627
Growth Adj:	1.00	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	730	428	732	651	0	0	0	0	199	0	627
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	730	428	732	651	0	0	0	0	199	0	627
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	730	428	732	651	0	0	0	0	199	0	627
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	730	428	732	651	0	0	0	0	199	0	627

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	0.24	0.29	0.24	0.22	0.00	0.00	0.00	0.00	0.07	0.00	0.42
Crit Volume:	428	0		0						627		
Crit Moves:	***	***		***	***					***		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 69-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #67 Harding Bl & Roseville Square

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	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:	1 0 1 1 0	1 0 1 1 0	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	24	896	21	11	601	9	22	3	9	28	2	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	896	21	11	601	9	22	3	9	28	2	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	896	21	11	601	9	22	3	9	28	2	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	896	21	11	601	9	22	3	9	28	2	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	896	21	11	601	9	22	3	9	28	2	7

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	1.95	0.05	1.00	1.97	0.03	0.88	0.12	1.00	0.93	0.07	1.00
Final Sat.:	1500	2931	69	1500	2956	44	1320	180	1500	1400	100	1500

Capacity Analysis Module:

Vol/Sat:	0.02	0.31	0.31	0.01	0.20	0.20	0.02	0.02	0.01	0.02	0.02	0.00
Crit Volume:	459	11		25	28							
Crit Moves:	***	***		***	***							

NP25 AM Thu Sep 19, 2013 08:51:49 Page 70-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #68 Junction & Stonecrest/Magenta

Cycle (sec): 120 Critical Vol./Cap.(X): 0.711
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 64 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:	Permitted	Permitted	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 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	7	59	12	461	17	42	60	1077	3	1	243	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:	7	59	12	461	17	42	60	1077	3	1	243	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:	7	59	12	461	17	42	60	1077	3	1	243	161
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	59	12	461	17	42	60	1077	3	1	243	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:	7	59	12	461	17	42	60	1077	3	1	243	161

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:	0.11	0.89	1.00	0.96	0.04	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	159	1341	1500	1447	53	1500	1500	3000	1500	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.01	0.32	0.32	0.03	0.04	0.36	0.00	0.00	0.08	0.11
Crit Volume:	66	461		539	1							
Crit Moves:	***	***		***	***							

NP25 AM Thu Sep 19, 2013 08:51:49 Page 71-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #69 Junction Bl & Americana Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.571
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:	Permitted	Permitted	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 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	74	0	117	0	0	0	0	1365	147	100	206	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:	74	0	117	0	0	0	0	1365	147	100	206	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:	74	0	117	0	0	0	0	1365	147	100	206	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	0	117	0	0	0	0	1365	147	100	206	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:	74	0	117	0	0	0	0	1365	147	100	206	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:	0.05	0.00	0.08	0.00	0.00	0.00	0.00	0.46	0.10	0.07	0.07	0.00
Crit Volume:	74			0				683		100		
Crit Moves:	****							****		****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 72-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #70 Junction Bl & Baseline Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.696
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:	Permitted	Permitted	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:	0 0 0 0 0	1 0 0 0 2	2 0 2 0 0	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	43	0	412	980	1516	0	0	1022	43
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	43	0	412	980	1516	0	0	1022	43
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	43	0	412	980	1516	0	0	1022	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	43	0	412	980	1516	0	0	1022	43
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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	43	0	453	980	1516	0	0	1022	43

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.15	0.33	0.51	0.00	0.00	0.34	0.03
Crit Volume:	0			43			490				511	
Crit Moves:				****			****				****	

NP25 AM Thu Sep 19, 2013 08:51:49 Page 73-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #71 Junction Bl & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.796
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 112 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			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:	81	210	255	128	207	141	189	968	91	32	198	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:	81	210	255	128	207	141	189	968	91	32	198	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:	81	210	255	128	207	141	189	968	91	32	198	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	210	255	128	207	141	189	968	91	32	198	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:	81	210	255	128	207	141	189	968	91	32	198	79

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.45	0.55	1.00	0.59	0.41	1.00	1.83	0.17	1.00	1.43	0.57
Final Sat.:	1450	655	795	1450	863	588	1450	2651	249	1450	2073	827

Capacity Analysis Module:

Vol/Sat:	0.06	0.32	0.32	0.09	0.24	0.24	0.13	0.37	0.37	0.02	0.10	0.10
Crit Volume:	465	128		530			32					
Crit Moves:	****	****		****			****					

NP25 AM Thu Sep 19, 2013 08:51:49 Page 74-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #72 Junction Bl & Park Regency Dr

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

Volume Module:

Base Vol:	11	92	93	116	49	22	46	1488	12	74	349	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:	11	92	93	116	49	22	46	1488	12	74	349	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:	11	92	93	116	49	22	46	1488	12	74	349	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	92	93	116	49	22	46	1488	12	74	349	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:	11	92	93	116	49	22	46	1488	12	74	349	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	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	0.02	0.03	0.51	0.01	0.05	0.12	0.04
Crit Volume:	92	116		744			74					
Crit Moves:	****	****		****			****					

NP25 AM Thu Sep 19, 2013 08:51:49 Page 75-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #73 Junction Bl & Porter Dr

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: 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 0 1 0 1 0 1 0

Volume Module:
Base Vol: 48 14 137 58 12 7 2 1344 13 71 244 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: 48 14 137 58 12 7 2 1344 13 71 244 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: 48 14 137 58 12 7 2 1344 13 71 244 6
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 48 14 137 58 12 7 2 1344 13 71 244 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: 48 14 137 58 12 7 2 1344 13 71 244 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: 0.77 0.23 1.00 0.83 0.17 1.00 1.00 1.98 0.02 1.00 1.95 0.05
Final Sat.: 1123 327 1450 1201 249 1450 1450 2872 28 1450 2830 70

Capacity Analysis Module:
Vol/Sat: 0.04 0.04 0.09 0.05 0.05 0.00 0.00 0.47 0.47 0.05 0.09 0.09
Crit Volume: 137 70 679 0
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:49 Page 76-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #74 Junction Bl & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.534
Loss Time (sec): 9 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: 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 0 0 0 0 0 1! 0 0 1 0 2 0 0 0 0 0 1 1 0

Volume Module:
Base Vol: 0 0 0 73 0 14 17 1429 0 0 265 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: 0 0 0 73 0 14 17 1429 0 0 265 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: 0 0 0 73 0 14 17 1429 0 0 265 27
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 73 0 14 17 1429 0 0 265 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: 0 0 0 73 0 14 17 1429 0 0 265 27

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 0.84 0.00 0.16 1.00 2.00 0.00 0.00 1.82 0.18
Final Sat.: 0 0 0 1259 0 241 1500 3000 0 0 2723 277

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.06 0.00 0.06 0.01 0.48 0.00 0.00 0.10 0.10
Crit Volume: 0 87 715 0
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:49 Page 77-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #75 Junction Bl & Washington Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.527
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	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:	169	847	0	1	502	141	663	2	908	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:	169	847	0	1	502	141	663	2	908	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:	169	847	0	1	502	141	663	2	908	7	2	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	169	847	0	1	502	141	663	2	908	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:	169	847	0	1	502	141	663	2	908	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:	2.00	2.00	0.00	1.00	2.00	1.00	1.99	0.01	1.00	1.00	0.40	0.60
Final Sat.:	2900	2900	0	1450	2900	1450	2891	9	1450	1450	580	870

Capacity Analysis Module:

Vol/Sat:	0.06	0.29	0.00	0.00	0.17	0.10	0.23	0.23	0.00	0.00	0.00	0.00
Crit Volume:	424	1			333	7						
Crit Moves:	****	****			****	****						

NP25 AM Thu Sep 19, 2013 08:51:49 Page 78-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #76 Junction Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.581
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	2 0 2 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	29	308	142	179	160	121	950	920	38	40	247	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:	29	308	142	179	160	121	950	920	38	40	247	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:	29	308	0	179	160	0	950	920	0	40	247	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	308	0	179	160	0	950	920	0	40	247	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:	29	308	0	179	160	0	950	920	0	40	247	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	0.11	0.00	0.06	0.06	0.00	0.33	0.32	0.00	0.01	0.09	0.00
Crit Volume:	154	89		475	124							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:49 Page 79-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #77 Lead Hill Bl & N Sunrise Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.525
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	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	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	459	335	109	87	490	87	201	598	318	69	307	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:	459	335	109	87	490	87	201	598	318	69	307	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:	459	335	109	87	490	87	201	598	318	69	307	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	459	335	109	87	490	87	201	598	318	69	307	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:	459	335	109	87	490	87	201	598	318	69	307	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	3.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.08	0.08	0.03	0.11	0.06	0.14	0.21	0.22	0.05	0.11	0.05
Crit Volume:	230			163			299			69		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 80-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #78 Lead Hill Bl & Rocky Ridge Dr

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

Volume Module:

Base Vol:	334	558	64	10	242	81	42	325	273	19	144	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:	334	558	64	10	242	81	42	325	273	19	144	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	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:	334	558	0	10	242	81	42	325	0	19	144	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	334	558	0	10	242	81	42	325	0	19	144	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:	334	558	0	10	242	81	42	325	0	19	144	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	2.25	0.75	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	3259	1091	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.23	0.19	0.00	0.01	0.07	0.07	0.03	0.11	0.00	0.01	0.05	0.00
Crit Volume:	334			108			163			19		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 81-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #79 Lead Hill Bl & Wal-Mart

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:	Permitted	Permitted	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:	34	0	14	0	0	0	0	611	49	41	507	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:	34	0	14	0	0	0	0	611	49	41	507	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:	34	0	14	0	0	0	0	611	49	41	507	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	0	14	0	0	0	0	611	49	41	507	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:	34	0	14	0	0	0	0	611	49	41	507	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	0.20	0.03	0.03	0.17	0.00
Crit Volume:	34			0				306		41		
Crit Moves:	****							****		****		

NP25 AM Thu Sep 19, 2013 08:51:49 Page 82-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #80 N Sunrise Av & Automall Dr

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	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	1 0 3 0 1	1 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	30	315	177	221	502	81	84	6	16	76	8	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:	30	315	177	221	502	81	84	6	16	76	8	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:	30	315	177	221	502	81	84	6	16	76	8	187
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	30	315	177	221	502	81	84	6	16	76	8	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:	30	315	177	221	502	81	84	6	16	76	8	187

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.87	0.13	1.00	0.90	0.10	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	2707	193	1450	1312	138	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.11	0.12	0.15	0.12	0.06	0.03	0.03	0.01	0.06	0.06	0.13
Crit Volume:	177	221		45			84					
Crit Moves:	****	****		****			****					

NP25 AM Thu Sep 19, 2013 08:51:49 Page 83-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #81 N Sunrise Av & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.437
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:	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 3 0 1	1 0 3 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0	507	6	313	590	0	0	0	0	58	0	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	507	6	313	590	0	0	0	0	58	0	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	507	6	313	590	0	0	0	0	58	0	174
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	507	6	313	590	0	0	0	0	58	0	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	507	6	313	590	0	0	0	0	58	0	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	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	0.11	0.00	0.21	0.13	0.00	0.00	0.00	0.00	0.02	0.00	0.12
Crit Volume:	169	313				0				174		
Crit Moves:	****	****								****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 84-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #82 N. Sunrise & Sierra Gardens

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:	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 3 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	36	713	86	236	548	18	15	2	17	35	2	173
Growth Adj:	1.00	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	713	86	236	548	18	15	2	17	35	2	173
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	713	86	236	548	18	15	2	17	35	2	173
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	713	86	236	548	18	15	2	17	35	2	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:	36	713	86	236	548	18	15	2	17	35	2	173

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.78	0.22	1.00	3.00	1.00	0.88	0.12	1.00	0.95	0.05	1.00
Final Sat.:	1450	2588	312	1450	4350	1450	1279	171	1450	1372	78	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.28	0.28	0.16	0.13	0.01	0.01	0.01	0.01	0.03	0.03	0.12
Crit Volume:	400	236				17				37		
Crit Moves:	****	****				****				****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 85-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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): 0.122
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:	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	0 0 1 0 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	22	1	22	13	2	6	1	152	23	23	233	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:	22	1	22	13	2	6	1	152	23	23	233	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:	22	1	22	13	2	6	1	152	23	23	233	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	1	22	13	2	6	1	152	23	23	233	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:	22	1	22	13	2	6	1	152	23	23	233	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:	0.49	0.02	0.49	0.62	0.09	0.29	1.00	1.74	0.26	1.00	1.97	0.03
Final Sat.:	709	32	709	898	138	414	1450	2519	381	1450	2851	49

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.01	0.01	0.01	0.00	0.06	0.06	0.02	0.08	0.08
Crit Volume:	45			21			87		23			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:50 Page 86-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #84 PFE & Hilltop

Cycle (sec): 100 Critical Vol./Cap.(X): 0.298
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	1 0 0 1 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	6	0	12	67	0	36	180	680	10	8	228	128
Growth Adj:	1.00	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	12	67	0	36	180	680	10	8	228	128
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	12	67	0	36	180	680	10	8	228	128
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	12	67	0	36	180	680	10	8	228	128
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	12	67	0	36	180	680	10	8	228	128

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.97	0.03	1.00	1.28	0.72
Final Sat.:	1450	0	1450	1450	0	1450	1450	2858	42	1450	1857	1043

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.05	0.00	0.02	0.12	0.24	0.24	0.01	0.12	0.12
Crit Volume:	12		67			345				8		
Crit Moves:	****		****			****				****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 87-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #85 Pleasant Grove & Fairway

Cycle (sec): 120 Critical Vol./Cap.(X): 0.556
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:	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:	460	782	376	48	1024	147	45	173	162	296	245	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:	460	782	376	48	1024	147	45	173	162	296	245	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:	460	782	376	48	1024	147	45	173	162	296	245	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	460	782	376	48	1024	147	45	173	162	296	245	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:	460	782	376	48	1024	147	45	173	162	296	245	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:	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:	0.16	0.18	0.26	0.02	0.24	0.10	0.02	0.06	0.11	0.10	0.08	0.02
Crit Volume:	230			341			87			148		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 88-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #86 Pleasant Grove & Fiddymment

Cycle (sec): 120 Critical Vol./Cap.(X): 0.797
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 112 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 3 0 1	2 0 3 0 1	2 0 2 0 1	3 0 1 0 1

Volume Module:

Base Vol:	343	1210	1034	9	1098	26	54	745	533	735	362	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:	343	1210	1034	9	1098	26	54	745	533	735	362	27
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:	343	1210	0	9	1098	0	54	745	0	735	362	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	343	1210	0	9	1098	0	54	745	0	735	362	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:	343	1210	0	9	1098	0	54	745	0	735	362	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	3.00	1.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.28	0.00	0.00	0.25	0.00	0.02	0.26	0.00	0.17	0.25	0.00
Crit Volume:	172			366			373			245		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 89-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #87 Pleasant Grove & Gold Coast/Hallissy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.710
Loss Time (sec): 12 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	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	106	21	57	128	6	9	19	2451	27	63	1407	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:	106	21	57	128	6	9	19	2451	27	63	1407	52
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:	106	21	0	128	6	0	19	2451	0	63	1407	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	106	21	0	128	6	0	19	2451	0	63	1407	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:	106	21	0	128	6	0	19	2451	0	63	1407	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	4350	1450	1450	4350	1450	

Capacity Analysis Module:

Vol/Sat:	0.07	0.01	0.00	0.09	0.00	0.00	0.01	0.56	0.00	0.04	0.32	0.00
Crit Volume:	21	128		817	63							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:50 Page 90-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #88 Pleasant Grove & Highland Park

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:	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 1 1 0	2 0 0 1 0

Volume Module:

Base Vol:	5	616	146	54	974	8	14	18	46	229	12	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:	5	616	146	54	974	8	14	18	46	229	12	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:	5	616	146	54	974	8	14	18	46	229	12	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	616	146	54	974	8	14	18	46	229	12	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:	5	616	146	54	974	8	14	18	46	229	12	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	2.00	0.23	0.77
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	2900	328	1122

Capacity Analysis Module:

Vol/Sat:	0.00	0.14	0.10	0.04	0.22	0.01	0.01	0.01	0.03	0.08	0.04	0.04
Crit Volume:	5	325	46	114								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:50 Page 91-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #89 Pleasant Grove & Market

Cycle (sec): 100 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	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

Volume Module:

Base Vol:	18 120 110	43 126 88	149 1034 11	75 422 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:	18 120 110	43 126 88	149 1034 11	75 422 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:	18 120 110	43 126 88	149 1034 11	75 422 55
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	18 120 110	43 126 88	149 1034 11	75 422 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:	18 120 110	43 126 88	149 1034 11	75 422 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:	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 0.08 0.08	0.03 0.09 0.06	0.10 0.36 0.01	0.05 0.15 0.04
Crit Volume:	120	43	517	75
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 92-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #90 Pleasant Grove & Michener

Cycle (sec): 100 Critical Vol./Cap.(X): 0.647
Loss Time (sec): 0 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:	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 0 0 0 1	1 0 2 0 0	0 0 2 0 1

Volume Module:

Base Vol:	0 0 0	2 0 55	55 1832 0	0 1036 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	2 0 55	55 1832 0	0 1036 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	2 0 55	55 1832 0	0 1036 24
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 0 0	2 0 55	55 1832 0	0 1036 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	2 0 55	55 1832 0	0 1036 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 0.00 2.00
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	0.00 0.00 0.04	0.04 0.61 0.00	0.00 0.00 0.35
Crit Volume:	0	55	916	0
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 93-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #91 Pleasant Grove & Monument

Cycle (sec): 100 Critical Vol./Cap.(X): 0.463
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	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 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

Volume Module:

Base Vol:	9	30	48	16	8	14	27	1160	7	45	545	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:	9	30	48	16	8	14	27	1160	7	45	545	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:	9	30	48	16	8	14	27	1160	7	45	545	49
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	30	48	16	8	14	27	1160	7	45	545	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:	9	30	48	16	8	14	27	1160	7	45	545	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	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.03	0.01	0.01	0.01	0.02	0.40	0.00	0.03	0.19	0.03
Crit Volume:	30	16	580	45	16	580	45	16	580	45	16	580
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 94-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #92 Pleasant Grove & Rose Creek

Cycle (sec): 100 Critical Vol./Cap.(X): 0.630
Loss Time (sec): 0 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:	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 0 0 0	0 0 1! 0 0	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	27	0	7	10	1836	0	0	1052	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	0	0	27	0	7	10	1836	0	0	1052	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	0	0	27	0	7	10	1836	0	0	1052	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	27	0	7	10	1836	0	0	1052	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	0	0	27	0	7	10	1836	0	0	1052	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	0.00	0.00	0.79	0.00	0.21	1.00	2.00	0.00	0.00	1.99	0.01
Final Sat.:	0	0	0	1191	0	309	1500	3000	0	0	2986	14

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.61	0.00	0.00	0.35	0.35
Crit Volume:	0	27	918	0	0	918	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 95-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #93 Pleasant Grove & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 1.022
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	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:	451 1021 482	189 776 58	34 1497 931	756 811 190
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	451 1021 482	189 776 58	34 1497 931	756 811 190
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:	451 1021 0	189 776 0	34 1497 0	756 811 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	451 1021 0	189 776 0	34 1497 0	756 811 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:	451 1021 0	189 776 0	34 1497 0	756 811 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:	0.10 0.35 0.00	0.07 0.18 0.00	0.01 0.34 0.00	0.26 0.19 0.00
Crit Volume:	511	94	499	378
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 96-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #94 Pleasant Grove & Sun City

Cycle (sec): 120 Critical Vol./Cap.(X): 0.660
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 55 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	Permitted	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 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	141 0 21	2 1699 0	0 0 1018 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	141 0 21	2 1699 0	0 0 1018 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	141 0 21	2 1699 0	0 0 1018 50
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0 0
Reduced Vol:	0 0 0	141 0 21	2 1699 0	0 0 1018 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	141 0 21	2 1699 0	0 0 1018 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	1.00 0.00 1.00	1.00 2.00 0.00	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	0.09 0.00 0.01	0.00 0.57 0.00	0.00 0.34 0.03
Crit Volume:	0	141	849	0
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 97-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #95 Pleasant Grove & Wal-Mart/Highland Pointe

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:	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 1 0	2 0 3 0 1	2 0 1 0 1	2 0 1 0 1

Volume Module:

Base Vol:	147	1807	100	170	1774	109	167	7	109	32	2	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:	147	1807	100	170	1774	109	167	7	109	32	2	19
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:	147	1807	0	170	1774	0	167	7	0	32	2	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	147	1807	0	170	1774	0	167	7	0	32	2	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:	147	1807	0	170	1774	0	167	7	0	32	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:	2.00	4.00	0.00	2.00	3.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	2900	5800	0	2900	4350	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.31	0.00	0.06	0.41	0.00	0.06	0.00	0.00	0.01	0.00	0.00
Crit Volume:	74			591			84			2		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 98-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #96 Pleasant Grove & Washington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.858
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 160 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	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 3 0 1	2 0 3 0 1	2 0 4 0 1

Volume Module:

Base Vol:	133	1065	436	99	405	259	262	1758	57	152	992	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:	133	1065	436	99	405	259	262	1758	57	152	992	131
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:	133	1065	0	99	405	259	262	1758	57	152	992	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	1065	0	99	405	259	262	1758	57	152	992	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:	133	1065	0	99	405	259	262	1758	57	152	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	3.00	1.00	2.00	3.00	1.00	2.00	4.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.37	0.00	0.03	0.09	0.18	0.09	0.40	0.04	0.05	0.17	0.00
Crit Volume:	533			50			586			76		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 99-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #97 Pleasant Grove Bl & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.697
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:	Permitted	Permitted	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 2 1 0	1 0 3 0 0

Volume Module:

Base Vol:	152	0	145	0	0	0	2447	11	74	981	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
Initial Bse:	152	0	145	0	0	0	2447	11	74	981	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	152	0	145	0	0	0	2447	11	74	981	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	152	0	145	0	0	0	2447	11	74	981	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
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	152	0	145	0	0	0	2447	11	74	981	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	2.99	0.01	1.00	3.00
Final Sat.:	1500	0	1500	0	0	0	4480	20	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.10	0.00	0.00	0.00	0.55	0.55	0.05	0.22	0.00
Crit Volume:	152			0			819	74			
Crit Moves:	****						****	****			

NP25 AM Thu Sep 19, 2013 08:51:50 Page 100-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #98 Pleasant Grove Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.672
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:	2 0 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	148	629	626	204	615	132	170	1585	199	59	811	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:	148	629	626	204	615	132	170	1585	199	59	811	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:	148	629	0	204	615	0	170	1585	0	59	811	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	629	0	204	615	0	170	1585	0	59	811	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:	148	629	0	204	615	0	170	1585	0	59	811	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	0.22	0.00	0.07	0.21	0.00	0.06	0.36	0.00	0.02	0.19	0.00
Crit Volume:	315	102		528	30							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:50 Page 101-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #99 Rocky Ridge Dr & Maidu Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.542
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	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	1 1395	20	63 254	5	7 2	3	6 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:	1 1395	20	63 254	5	7 2	3	6 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:	1 1395	20	63 254	5	7 2	3	6 0	13
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:	1 1395	20	63 254	5	7 2	3	6 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:	1 1395	20	63 254	5	7 2	3	6 0	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:	1.00 1.97	0.03	1.00 1.96	0.04	0.78 0.22	1.00	1.00 0.00	1.00
Final Sat.:	1450 2859	41	1450 2844	56	1128 322	1450	1450 0	1450

Capacity Analysis Module:

Vol/Sat:	0.00 0.49	0.49	0.04 0.09	0.09	0.01 0.01	0.00	0.00 0.00	0.01
Crit Volume:	708	63	9	6	6	6	131	131
Crit Moves:	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 102-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #100 Rocky Ridge Dr & McLaren Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.516
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	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:	0 0 1 1 0	1 0 2 0 0	0 0 0 0 0	0 1 0 1 0

Volume Module:

Base Vol:	0 1284	3	26 244	0	0 0	0	78 17	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:	0 1284	3	26 244	0	0 0	0	78 17	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:	0 1284	3	26 244	0	0 0	0	78 17	131
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 1284	3	26 244	0	0 0	0	78 17	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:	0 1284	3	26 244	0	0 0	0	78 17	131

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 1.99	0.01	1.00 2.00	0.00	0.00 0.00	0.00	0.69 0.31	1.00
Final Sat.:	0 2993	7	1500 3000	0	0 0	0	1035 465	1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.43	0.43	0.02 0.08	0.00	0.00 0.00	0.00	0.08 0.04	0.09
Crit Volume:	644	0	0	0	0	0	131	131
Crit Moves:	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 103-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #101 Rocky Ridge Dr & Professional Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.580
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 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: 10 1290 94 52 250 3 6 26 34 47 18 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: 10 1290 94 52 250 3 6 26 34 47 18 18
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: 10 1290 94 52 250 0 6 26 34 47 18 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 10 1290 94 52 250 0 6 26 34 47 18 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: 10 1290 94 52 250 0 6 26 34 47 18 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 1.86 0.14 1.00 2.00 1.00 0.19 0.81 1.00 0.72 0.28 1.00
Final Sat.: 1450 2703 197 1450 2900 1450 272 1178 1450 1048 402 1450

Capacity Analysis Module:
Vol/Sat: 0.01 0.48 0.48 0.04 0.09 0.00 0.02 0.02 0.02 0.04 0.04 0.00
Crit Volume: 692 52 32 65
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 104-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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): 0.092
Loss Time (sec): 0 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 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 0 0 0 1 1 0 2 0 0 1 0 2 0 1

Volume Module:
Base Vol: 0 0 0 34 0 3 21 147 0 0 167 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 34 0 3 21 147 0 0 167 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 34 0 3 21 147 0 0 167 51
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 34 0 3 21 147 0 0 167 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 34 0 3 21 147 0 0 167 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 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 0.00 0.01 0.05 0.00 0.00 0.06 0.03
Crit Volume: 0 34 21 84
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 105-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #103 Roseville Parkway & Chase

Cycle (sec): 100 Critical Vol./Cap.(X): 0.567
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:	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 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	119	0	136	0	0	0	0	1926	86	73	1800	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	0	136	0	0	0	0	1926	86	73	1800	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	0	136	0	0	0	0	1926	86	73	1800	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	0	136	0	0	0	0	1926	86	73	1800	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	0	136	0	0	0	0	1926	86	73	1800	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:	0.08	0.00	0.09	0.00	0.00	0.00	0.00	0.43	0.06	0.05	0.40	0.00
Crit Volume:	136	0						642		73		
Crit Moves:	***							***		***		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 106-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #104 Roseville Parkway & Creekside Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.522
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:	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 1 0 0 1	1 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	3	9	4	75	2	70	108	1977	23	51	1778	431
Growth Adj:	1.00	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	9	4	75	2	70	108	1977	23	51	1778	431
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	9	4	75	2	70	108	1977	23	51	1778	431
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	9	4	75	2	70	108	1977	23	51	1778	431
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	9	4	75	2	70	108	1977	23	51	1778	431

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.95	0.05	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	2825	75	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.00	0.03	0.03	0.05	0.07	0.45	0.02	0.04	0.41	0.30
Crit Volume:	9	39						659		51		
Crit Moves:	***	***						***		***		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 107-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #105 Roseville Parkway & Gibson

Cycle (sec): 120 Critical Vol./Cap.(X): 0.887
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 165 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:	Permitted	Permitted	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:	0 1 0 0 1	2 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	7	10	19	412	4	250	248	1807	8	5	1599	925
Growth Adj:	1.00	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	10	19	412	4	250	248	1807	8	5	1599	925
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	10	19	412	4	250	248	1807	8	5	1599	925
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	10	19	412	4	250	248	1807	8	5	1599	925
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	7	10	19	412	4	250	248	1807	8	5	1599	925

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:	0.41	0.59	1.00	2.97	0.03	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	618	882	1500	4457	43	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.09	0.09	0.17	0.17	0.40	0.01	0.00	0.36	0.62
Crit Volume:	19	139	248	925								
Crit Moves:	***	***	***	***								

NP25 AM Thu Sep 19, 2013 08:51:50 Page 108-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #106 Roseville Parkway & N. Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.760
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:	2 1 0 0 1	1 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	373	120	119	8	97	41	302	2204	376	309	1848	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:	373	120	119	8	97	41	302	2204	376	309	1848	33
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:	373	120	0	8	97	41	302	2204	0	309	1848	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	373	120	0	8	97	41	302	2204	0	309	1848	33
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:	373	120	0	8	97	41	302	2204	0	309	1848	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:	2.27	0.73	1.00	1.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3291	1059	1450	1450	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.00	0.01	0.03	0.03	0.10	0.51	0.00	0.11	0.42	0.02
Crit Volume:	164			48			735			155		
Crit Moves:	***			***			***			***		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 109-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #107 Roseville Parkway & Reserve

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:	Split Phase	Split Phase	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 1 0 0 1	1 1 0 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	202	81	260	8	21	2	13	1959	106	270	2258	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:	202	81	260	8	21	2	13	1959	106	270	2258	17
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:	202	81	0	8	21	0	13	1959	0	270	2258	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	202	81	0	8	21	0	13	1959	0	270	2258	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:	202	81	0	8	21	0	13	1959	0	270	2258	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:	1.43	0.57	1.00	1.00	1.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2070	830	1450	1450	1450	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	0.00	0.01	0.01	0.00	0.00	0.34	0.00	0.09	0.39	0.00
Crit Volume:	142			21			490			135		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 110-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #108 Roseville Parkway & Secret Ravine

Cycle (sec): 120 Critical Vol./Cap.(X): 0.568
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:	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 0 1 0 1	1 1 0 0 2	2 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	2	0	0	88	0	483	338	1901	2	0	1670	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:	2	0	0	88	0	483	338	1901	2	0	1670	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:	2	0	0	88	0	483	338	1901	2	0	1670	83
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	0	88	0	483	338	1901	2	0	1670	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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	0	0	88	0	531	338	1901	2	0	1670	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	1.00	1.00	2.00	0.00	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	2900	2900	4345	5	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.18	0.12	0.44	0.44	0.00	0.38	0.06
Crit Volume:	2			266		0				557		
Crit Moves:	****			****		****				****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 111-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #109 Roseville Parkway & Taylor

Cycle (sec): 120 Critical Vol./Cap.(X): 0.883
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:	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 4 0 1	2 0 3 0 1

Volume Module:

Base Vol:	235	191	326	570	139	112	197	1899	51	123	1898	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:	235	191	326	570	139	112	197	1899	51	123	1898	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:	235	191	326	570	139	112	197	1899	51	123	1898	172
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	235	191	326	570	139	112	197	1899	51	123	1898	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:	235	191	326	570	139	112	197	1899	51	123	1898	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:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	4.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	5800	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.04	0.22	0.20	0.03	0.08	0.07	0.33	0.04	0.04	0.44	0.12
Crit Volume:	326	285	99	633								
Crit Moves:	***	***	***	***								

NP25 AM Thu Sep 19, 2013 08:51:50 Page 112-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #110 Roseville Parkway & West Mall

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:	Split Phase	Split Phase	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:	0 1 0 0 1	1 1 0 0 1	2 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	52	1	43	16	1	62	37	2091	7	10	2411	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:	52	1	43	16	1	62	37	2091	7	10	2411	24
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:	52	1	0	16	1	0	37	2091	0	10	2411	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	1	0	16	1	0	37	2091	0	10	2411	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:	52	1	0	16	1	0	37	2091	0	10	2411	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:	0.98	0.02	1.00	1.88	0.12	1.00	2.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1423	27	1450	2729	171	1450	2900	5800	1450	1450	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.00	0.01	0.01	0.00	0.01	0.36	0.00	0.01	0.42	0.00
Crit Volume:	53	9	19	603								
Crit Moves:	***	***	***	***								

NP25 AM Thu Sep 19, 2013 08:51:50 Page 113-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #111 Roseville Pw & Alexandra Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.538
Loss Time (sec): 9 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			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	1	0	0

Volume Module:

Base Vol:	0	1492	47	126	1767	0	0	0	0	183	0	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:	0	1492	47	126	1767	0	0	0	0	183	0	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:	0	1492	47	126	1767	0	0	0	0	183	0	276
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1492	47	126	1767	0	0	0	0	183	0	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:	0	1492	47	126	1767	0	0	0	0	183	0	276

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.33	0.03	0.08	0.39	0.00	0.00	0.00	0.00	0.12	0.00	0.18
Crit Volume:	497			126			0			183		
Crit Moves:	****			****						****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 114-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #112 Roseville Pw & Eureka Rd

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			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	0	2	0	3	0	1	0

Volume Module:

Base Vol:	465	584	167	77	386	3	5	113	318	83	507	450
Growth Adj:	1.00	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	584	167	77	386	3	5	113	318	83	507	450
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	465	584	167	77	386	3	5	113	318	83	507	450
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	465	584	167	77	386	3	5	113	318	83	507	450
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	465	584	167	77	386	3	5	113	318	83	507	450

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.16	0.20	0.12	0.03	0.09	0.00	0.00	0.04	0.22	0.06	0.17	0.31
Crit Volume:	232			129			5			450		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:50 Page 115-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #113 Roseville Pw & Lead Hill/Orvieto

Cycle (sec): 120 Critical Vol./Cap.(X): 0.601
Loss Time (sec): 12 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 Split Phase Split Phase
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: 1 0 3 0 1 1 0 3 0 1 1 0 0 1 1 0 0 1 0

Volume Module:
Base Vol: 194 1520 2 23 1772 68 30 11 147 10 19 48
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 194 1520 2 23 1772 68 30 11 147 10 19 48
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 194 1520 2 23 1772 68 30 11 0 10 19 48
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 194 1520 2 23 1772 68 30 11 0 10 19 48
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 194 1520 2 23 1772 68 30 11 0 10 19 48

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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 1.46 0.54 1.00 1.00 0.28 0.72
Final Sat.: 1450 4350 1450 1450 4350 1450 2122 778 1450 1450 411 1039

Capacity Analysis Module:
Vol/Sat: 0.13 0.35 0.00 0.02 0.41 0.05 0.01 0.01 0.00 0.01 0.05 0.05
Crit Volume: 194 591 21 67
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 116-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #114 Roseville Pw & N Cirby Wy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.414
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 2 0 1 1 0 2 0 0

Volume Module:
Base Vol: 109 0 71 0 0 0 0 0 842 19 27 1023 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 0 71 0 0 0 0 0 842 19 27 1023 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 0 71 0 0 0 0 0 842 19 27 1023 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 109 0 71 0 0 0 0 0 842 19 27 1023 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 0 71 0 0 0 0 0 842 19 27 1023 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: 0.07 0.00 0.05 0.00 0.00 0.00 0.00 0.28 0.01 0.02 0.34 0.00
Crit Volume: 109 0 0 512
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 117-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #115 Roseville Pw & Olympus Dr

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	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 3 0 1	2 0 2 1 0	1 0 1 0 1	1 0 2 0 1

Volume Module:

Base Vol:	93 1521 80	87 1398 259	134 75 155	10 3 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:	93 1521 80	87 1398 259	134 75 155	10 3 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 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:	93 1521 0	87 1398 259	134 75 155	10 3 60
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	93 1521 0	87 1398 259	134 75 155	10 3 60
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:	93 1521 0	87 1398 259	134 75 155	10 3 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 3.00 1.00	2.00 2.53 0.47	1.00 1.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 4350 1450	2900 3670 680	1450 1450 1450	1450 2900 1450

Capacity Analysis Module:

Vol/Sat:	0.06 0.35 0.00	0.03 0.38 0.38	0.09 0.05 0.11	0.01 0.00 0.04
Crit Volume:	93	552	155	10
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 118-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #116 Roseville Pw & Rocky Ridge Dr

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	Permitted	Permitted
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:	2 0 3 0 0	0 0 3 0 1	2 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	119 1418 0	0 1743 211	115 0 88	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:	119 1418 0	0 1743 211	115 0 88	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:	119 1418 0	0 1743 211	115 0 88	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	119 1418 0	0 1743 211	115 0 88	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:	119 1418 0	0 1743 211	115 0 88	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:	2.00 3.00 0.00	0.00 3.00 1.00	2.00 0.00 1.00	0.00 0.00 0.00
Final Sat.:	3000 4500 0	0 4500 1500	3000 0 1500	0 0 0

Capacity Analysis Module:

Vol/Sat:	0.04 0.32 0.00	0.00 0.39 0.14	0.04 0.00 0.06	0.00 0.00 0.00
Crit Volume:	60	581	57	0
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 119-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #117 Roseville Pw & Sierra College Bl

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:	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 0 2 0 1

Volume Module:

Base Vol:	569	1437	10	46	575	134	127	90	604	42	339	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:	569	1437	10	46	575	134	127	90	604	42	339	185
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:	569	1437	0	46	575	0	127	90	0	42	339	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	569	1437	0	46	575	0	127	90	0	42	339	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:	569	1437	0	46	575	0	127	90	0	42	339	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:	0.20	0.33	0.00	0.02	0.13	0.00	0.04	0.03	0.00	0.01	0.12	0.00
Crit Volume:	479	23		64			170					
Crit Moves:	****	****		****			****					

NP25 AM Thu Sep 19, 2013 08:51:50 Page 120-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #118 Roseville Pw & Trestle Rd

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	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 0 1	1 0 2 0 1	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	66	1188	8	1	781	18	21	6	120	54	3	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:	66	1188	8	1	781	18	21	6	120	54	3	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:	66	1188	8	1	781	18	21	6	120	54	3	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	1188	8	1	781	18	21	6	120	54	3	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:	66	1188	8	1	781	18	21	6	120	54	3	5

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.78	0.22	1.00	0.87	0.05	0.08
Final Sat.:	1450	2900	1450	1450	2900	1450	1128	322	1450	1263	70	117

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.01	0.00	0.27	0.01	0.02	0.02	0.08	0.04	0.04	0.04
Crit Volume:	594	1		120			62					
Crit Moves:	****	****		****			****					

NP25 AM Thu Sep 19, 2013 08:51:50 Page 121-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #119 Roseville Pw & Village/Slate Creek

Cycle (sec): 120 Critical Vol./Cap.(X): 0.445
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:	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	16	999	7	6	497	6	46	2	31	21	2	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:	16	999	7	6	497	6	46	2	31	21	2	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:	16	999	7	6	497	6	46	2	31	21	2	94
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	999	7	6	497	6	46	2	31	21	2	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:	16	999	7	6	497	6	46	2	31	21	2	94

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.98	0.02	0.96	0.04	1.00	0.91	0.09	1.00
Final Sat.:	1450	2880	20	1450	2865	35	1390	60	1450	1324	126	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.35	0.35	0.00	0.17	0.17	0.03	0.03	0.02	0.02	0.02	0.06
Crit Volume:	503	0	0	0	0	0	48	0	0	0	0	94
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 122-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #120 Roseville Pw & Washington Bl

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

Volume Module:

Base Vol:	2	814	46	162	499	34	94	580	2	113	829	261
Growth Adj:	1.00	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	814	46	162	499	34	94	580	2	113	829	261
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:	2	814	0	162	499	0	94	580	0	113	829	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	814	0	162	499	0	94	580	0	113	829	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:	2	814	0	162	499	0	94	580	0	113	829	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:	0.00	0.28	0.00	0.06	0.17	0.00	0.03	0.20	0.00	0.04	0.29	0.00
Crit Volume:	407	81	0	47	0	0	414	0	0	414	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:50 Page 123-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #121 S Cirby Wy & Champion Oaks Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.509
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:	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:	75	37	5	14	3	49	236	393	24	2	722	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:	75	37	5	14	3	49	236	393	24	2	722	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:	75	37	5	14	3	49	236	393	24	2	722	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	37	5	14	3	49	236	393	24	2	722	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:	75	37	5	14	3	49	236	393	24	2	722	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:	0.64	0.32	0.04	0.82	0.18	1.00	1.00	1.88	0.12	1.00	1.96	0.04
Final Sat.:	929	459	62	1194	256	1450	1450	2733	167	1450	2845	55

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.01	0.01	0.03	0.16	0.14	0.14	0.00	0.25	0.25
Crit Volume:	117	17	236	368								
Crit Moves:	***	***	***	***								

NP25 AM Thu Sep 19, 2013 08:51:50 Page 124-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #122 S Cirby Wy & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.756
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 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	Permitted	Permitted
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 1	1 0 1 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0	534	407	333	69	0	0	0	0	245	0	267
Growth Adj:	1.00	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	534	407	333	69	0	0	0	0	245	0	267
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	534	407	333	69	0	0	0	0	245	0	267
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	534	407	333	69	0	0	0	0	245	0	267
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	534	407	333	69	0	0	0	0	245	0	267

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	0.36	0.27	0.22	0.05	0.00	0.00	0.00	0.00	0.16	0.00	0.18
Crit Volume:	534	333	0	267								
Crit Moves:	***	***		***								

NP25 AM Thu Sep 19, 2013 08:51:50 Page 125-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #123 Secret Ravine & Scarborough/ Poppy Field

Cycle (sec): 100 Critical Vol./Cap.(X): 0.287
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:	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	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	7	0	23	52	0	175	65	227	11	18	292	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:	7	0	23	52	0	175	65	227	11	18	292	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:	7	0	23	52	0	175	65	227	11	18	292	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	0	23	52	0	175	65	227	11	18	292	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:	7	0	23	52	0	175	65	227	11	18	292	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:	0.23	0.00	0.77	1.00	0.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	338	0	1112	1450	0	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.04	0.00	0.12	0.04	0.08	0.01	0.01	0.10	0.02
Crit Volume:	30			175		65					146	
Crit Moves:	***			***		***					***	

NP25 AM Thu Sep 19, 2013 08:51:50 Page 126-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #124 Sierra College & Miners Ravine

Cycle (sec): 100 Critical Vol./Cap.(X): 0.515
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	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:	1 0 2 0 1	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	82	1244	15	4	807	50	92	16	144	3	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:	82	1244	15	4	807	50	92	16	144	3	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:	82	1244	15	4	807	50	92	16	144	3	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	1244	15	4	807	50	92	16	144	3	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:	82	1244	15	4	807	50	92	16	144	3	1	1

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	0.85	0.15	1.00	0.75	0.25	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	1278	222	1500	1125	375	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.01	0.00	0.27	0.03	0.07	0.07	0.10	0.00	0.00	0.00
Crit Volume:	622			4			144		3			
Crit Moves:	***			***			***		***			

NP25 AM Thu Sep 19, 2013 08:51:51 Page 127-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #125 Sierra College & Secret Ravine

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	Permitted	Permitted
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	2 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	177	1150	2	1	685	55	135	1	173	1	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:	177	1150	2	1	685	55	135	1	173	1	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:	177	1150	2	1	685	55	135	1	173	1	1	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	177	1150	2	1	685	55	135	1	173	1	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
FinalVolume:	177	1150	2	1	685	55	135	1	173	1	1	2

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	2.00	0.01	0.99	0.50	0.50	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	3000	9	1491	750	750	1500

Capacity Analysis Module:

Vol/Sat:	0.12	0.38	0.00	0.00	0.23	0.04	0.05	0.12	0.12	0.00	0.00	0.00
Crit Volume:	575	1					174			1		
Crit Moves:	****	****					****			****		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 128-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #126 Sierra College Bl & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.618
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	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	1 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	487	1226	45	246	612	52	110	295	22	12	509	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:	487	1226	45	246	612	52	110	295	22	12	509	130
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:	487	1226	0	246	612	0	110	295	0	12	509	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	487	1226	0	246	612	0	110	295	0	12	509	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:	487	1226	0	246	612	0	110	295	0	12	509	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	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.28	0.00	0.08	0.14	0.00	0.08	0.10	0.00	0.00	0.18	0.00
Crit Volume:	409	123		110			255					
Crit Moves:	****	****		****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 129-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #127 Sierra College Bl & Indigo Creek Apts

Cycle (sec): 100 Critical Vol./Cap.(X): 0.453
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:	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	1	0	0	1	0

Volume Module:

Base Vol:	159	1256	109	49	826	24	95	7	120	30	3	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:	159	1256	109	49	826	24	95	7	120	30	3	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:	159	1256	109	49	826	24	95	7	120	30	3	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	1256	109	49	826	24	95	7	120	30	3	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:	159	1256	109	49	826	24	95	7	120	30	3	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:	1.00	2.76	0.24	1.00	2.92	0.08	1.86	0.14	1.00	0.91	0.09	1.00
Final Sat.:	1450	4003	347	1450	4227	123	2701	199	1450	1318	132	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.31	0.31	0.03	0.20	0.20	0.04	0.04	0.08	0.02	0.02	0.01
Crit Volume:	455			49			120		33			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:51 Page 130-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #128 Sierra College Bl & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.569
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			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	0	1	1	0	1	0	1

Volume Module:

Base Vol:	117	1639	30	17	1056	111	291	60	194	73	60	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:	117	1639	30	17	1056	111	291	60	194	73	60	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:	117	1639	30	17	1056	111	291	60	194	73	60	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	117	1639	30	17	1056	111	291	60	194	73	60	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:	117	1639	30	17	1056	111	291	60	194	73	60	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	3.00	1.00	1.00	3.00	1.00	1.66	0.34	1.00	0.85	0.70	0.45
Final Sat.:	2900	4350	1450	1450	4350	1450	2404	496	1450	1231	1012	658

Capacity Analysis Module:

Vol/Sat:	0.04	0.38	0.02	0.01	0.24	0.08	0.12	0.12	0.13	0.06	0.06	0.06
Crit Volume:	546			17			176		86			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:51 Page 131-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #129 Sierra College Bl & Olympus Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.625
Loss Time (sec): 12 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 Permitted Permitted
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: 1 0 2 0 1 1 0 2 0 1 1 1 0 0 1 0 1 0 0 1

Volume Module:
Base Vol: 377 1057 59 21 891 37 190 8 226 7 9 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: 377 1057 59 21 891 37 190 8 226 7 9 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: 377 1057 59 21 891 37 190 8 0 7 9 4
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 377 1057 59 21 891 37 190 8 0 7 9 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: 377 1057 59 21 891 37 190 8 0 7 9 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: 1.00 2.00 1.00 1.00 2.00 1.00 1.92 0.08 1.00 0.44 0.56 1.00
Final Sat.: 1500 3000 1500 1500 3000 1500 2879 121 1500 656 844 1500

Capacity Analysis Module:
Vol/Sat: 0.25 0.35 0.04 0.01 0.30 0.02 0.07 0.07 0.00 0.01 0.01 0.00
Crit Volume: 377 446 99 16
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 132-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #130 Stanford Ranch & Fairway

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: 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 2 0 1 2 0 0 1 0

Volume Module:
Base Vol: 112 819 82 44 871 37 42 141 85 183 295 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: 112 819 82 44 871 37 42 141 85 183 295 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: 112 819 82 44 871 37 42 141 85 183 295 13
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 112 819 82 44 871 37 42 141 85 183 295 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: 112 819 82 44 871 37 42 141 85 183 295 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 2.00 1.00 2.00 0.96 0.04
Final Sat.: 2900 4350 1450 2900 4350 1450 1450 2900 1450 2900 1389 61

Capacity Analysis Module:
Vol/Sat: 0.04 0.19 0.06 0.02 0.20 0.03 0.03 0.05 0.06 0.06 0.21 0.21
Crit Volume: 56 290 71 308
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 133-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #131 Stanford Ranch & Five Star

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:	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	1 1 0 1 0

Volume Module:

Base Vol:	113	939	318	147	962	24	5	60	123	273	63	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:	113	939	318	147	962	24	5	60	123	273	63	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	113	939	318	147	962	24	5	60	123	273	63	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	113	939	318	147	962	24	5	60	123	273	63	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	113	939	318	147	962	24	5	60	123	273	63	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	3.00	1.00	2.00	3.00	1.00	1.00	1.00	1.00	2.00	0.50	0.50
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	1450	1450	2900	731	719

Capacity Analysis Module:

Vol/Sat:	0.04	0.22	0.22	0.05	0.22	0.02	0.00	0.04	0.08	0.09	0.09	0.09
Crit Volume:	313	74		123	137							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:51 Page 134-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #132 Stanford Ranch & Highland Park

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:	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:	5	844	16	9	811	196	154	16	32	63	27	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:	5	844	16	9	811	196	154	16	32	63	27	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:	5	844	16	9	811	196	154	16	32	63	27	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	844	16	9	811	196	154	16	32	63	27	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:	5	844	16	9	811	196	154	16	32	63	27	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	3.00	1.00	1.00	3.00	1.00	1.00	0.33	0.67	2.00	0.87	0.13
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	483	967	2900	1263	187

Capacity Analysis Module:

Vol/Sat:	0.00	0.19	0.01	0.01	0.19	0.14	0.11	0.03	0.03	0.02	0.02	0.02
Crit Volume:	281	9		154	32							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:51 Page 135-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #133 Sunrise & Coloma

Cycle (sec): 120 Critical Vol./Cap.(X): 0.740
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 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	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:	1 0 1 1 0	1 0 1 1 0	1 0 1 0 1	1 0 0 1 0

Volume Module:

Base Vol:	38 1600	87 134 932	43 40 26 29	50 25 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:	38 1600	87 134 932	43 40 26 29	50 25 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:	38 1600	87 134 932	43 40 26 29	50 25 67
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	38 1600	87 134 932	43 40 26 29	50 25 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
FinalVolume:	38 1600	87 134 932	43 40 26 29	50 25 67

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 1.90 0.10	1.00 1.91 0.09	1.00 1.00 1.00	1.00 0.27 0.73
Final Sat.:	1500 2845 155	1500 2868 132	1500 1500 1500	1500 408 1092

Capacity Analysis Module:

Vol/Sat:	0.03 0.56 0.56	0.09 0.32 0.33	0.03 0.02 0.02	0.03 0.06 0.06
Crit Volume:	844	134	40	92
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 136-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #134 Sunrise & Sandringham/Kensington

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	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 3 0 1	0 1 0 1 0	0 1 0 1 0

Volume Module:

Base Vol:	22 2365	23 1 1453	3 22 8 14	36 2 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:	22 2365	23 1 1453	3 22 8 14	36 2 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:	22 2365	23 1 1453	3 22 8 14	36 2 9
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	22 2365	23 1 1453	3 22 8 14	36 2 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:	22 2365	23 1 1453	3 22 8 14	36 2 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:	1.00 2.97 0.03	1.00 3.00 1.00	1.00 0.36 0.64	1.00 0.62 0.38
Final Sat.:	1450 4308 42	1450 4350 1450	1450 527 923	1450 895 555

Capacity Analysis Module:

Vol/Sat:	0.02 0.55 0.55	0.00 0.33 0.00	0.02 0.02 0.02	0.02 0.00 0.02
Crit Volume:	796	1	22	36
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 137-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #135 Sunrise & Sun Tree/Kensington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.636
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	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:	1 0 2 1 0	1 0 2 1 0	0 0 1! 0 0	0 0 1! 0 0

Volume Module:

Base Vol:	9 2364 22	30 1430 48	48 29 2	23 14 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:	9 2364 22	30 1430 48	48 29 2	23 14 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:	9 2364 22	30 1430 48	48 29 2	23 14 44
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	9 2364 22	30 1430 48	48 29 2	23 14 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:	9 2364 22	30 1430 48	48 29 2	23 14 44

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 2.97 0.03	1.00 2.90 0.10	0.61 0.37 0.02	0.28 0.17 0.55
Final Sat.:	1500 4459 41	1500 4354 146	911 551 38	426 259 815

Capacity Analysis Module:

Vol/Sat:	0.01 0.53 0.53	0.02 0.33 0.33	0.05 0.05 0.05	0.05 0.05 0.05
Crit Volume:	795	30	48	81
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 138-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #136 Sunrise Av & Frances 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:	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 2 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0 1680 34	90 1087 0	0 0 0	37 0 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:	0 1680 34	90 1087 0	0 0 0	37 0 34
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 1680 34	90 1087 0	0 0 0	37 0 34
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 1680 34	90 1087 0	0 0 0	37 0 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:	0 1680 34	90 1087 0	0 0 0	37 0 34

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 1.96 0.04	1.00 2.00 0.00	0.00 0.00 0.00	1.00 0.00 1.00
Final Sat.:	1500 2940 60	1500 3000 0	0 0 0	1500 0 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.57 0.57	0.06 0.36 0.00	0.00 0.00 0.00	0.02 0.00 0.02
Crit Volume:	857	90	0	37
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 139-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #137 Sunrise Av & Oak Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.400
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	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	731	1	37	439	0	0	0	0	4	0	234
Growth Adj:	1.00	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	731	1	37	439	0	0	0	0	4	0	234
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	731	1	37	439	0	0	0	0	4	0	234
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	731	1	37	439	0	0	0	0	4	0	234
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	731	1	37	439	0	0	0	0	4	0	234

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	1.99	0.01	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2996	4	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.24	0.24	0.02	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.16
Crit Volume:		366	0		0		0		0		234	
Crit Moves:	***	***		***							***	

NP25 AM Thu Sep 19, 2013 08:51:51 Page 140-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #138 Washington & Diamond Oaks

Cycle (sec): 120 Critical Vol./Cap.(X): 0.672
Loss Time (sec): 9 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	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 0 1

Volume Module:

Base Vol:	4	1346	147	137	526	3	4	8	5	72	2	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:	4	1346	147	137	526	3	4	8	5	72	2	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:	4	1346	147	137	526	3	4	8	5	72	2	149
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	1346	147	137	526	3	4	8	5	72	2	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:	4	1346	147	137	526	3	4	8	5	72	2	149

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.99	0.01	0.24	0.47	0.29	0.97	0.03	1.00
Final Sat.:	1450	2614	286	1450	2884	16	341	682	426	1411	39	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.51	0.51	0.09	0.18	0.18	0.01	0.01	0.01	0.05	0.05	0.10
Crit Volume:		747	137		17					74		
Crit Moves:	***	***		***			***			***		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 141-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #139 Washington & Sawtell/Derek

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:	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:	18	1397	69	33	539	23	63	2	27	13	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:	18	1397	69	33	539	23	63	2	27	13	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:	18	1397	69	33	539	23	63	2	27	13	0	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	1397	69	33	539	23	63	2	27	13	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
FinalVolume:	18	1397	69	33	539	23	63	2	27	13	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	1.92	0.08	0.97	0.03	1.00	1.00	0.00	1.00
Final Sat.:	1450	2900	1450	1450	2781	119	1405	45	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.48	0.05	0.02	0.19	0.19	0.04	0.04	0.02	0.01	0.00	0.01
Crit Volume:	699		33				65		13			
Crit Moves:	****		****				****		****			

NP25 AM Thu Sep 19, 2013 08:51:51 Page 142-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #140 Washington Bl & Hallissy Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.486
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			Permitted			Permitted		
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	2	0	0	1	0

Volume Module:

Base Vol:	0	815	337	64	524	0	0	0	0	257	2	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:	0	815	337	64	524	0	0	0	0	257	2	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:	0	815	337	64	524	0	0	0	0	257	2	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	815	337	64	524	0	0	0	0	257	2	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	815	337	64	524	0	0	0	0	257	2	63

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	2.00	0.00	0.00	0.00	0.00	1.00	0.61	0.39
Final Sat.:	0	3000	1500	1500	3000	0	0	0	0	1500	913	587

Capacity Analysis Module:

Vol/Sat:	0.00	0.27	0.22	0.04	0.17	0.00	0.00	0.00	0.00	0.17	0.00	0.11
Crit Volume:	408		64				0			257		
Crit Moves:	****		****				****			****		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 143-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #141 Woodcreek Oaks & Baseline

Cycle (sec): 120 Critical Vol./Cap.(X): 0.902
Loss Time (sec): 9 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 0 0 1	1 0 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	83	0	379	291	0	58	234	1276	116	93	927	127
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	83	0	379	291	0	58	234	1276	116	93	927	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	83	0	379	291	0	58	234	1276	116	93	927	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	0	379	291	0	58	234	1276	116	93	927	127
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	83	0	379	291	0	58	234	1276	116	93	927	127

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.26	0.20	0.00	0.04	0.16	0.44	0.08	0.06	0.32	0.09
Crit Volume:	379	291	638	0								
Crit Moves:	***	***	***	***								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 144-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #142 Woodcreek Oaks & Canevari/Arsenault

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:	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	181	850	9	1	590	12	97	18	294	23	37	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:	181	850	9	1	590	12	97	18	294	23	37	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:	181	850	9	1	590	12	97	18	294	23	37	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	181	850	9	1	590	12	97	18	294	23	37	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:	181	850	9	1	590	12	97	18	294	23	37	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	1.98	0.02	1.00	1.96	0.04	0.84	0.16	1.00	0.38	0.62	1.00
Final Sat.:	1450	2870	30	1450	2842	58	1223	227	1450	556	894	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.30	0.30	0.00	0.21	0.21	0.08	0.08	0.20	0.04	0.04	0.01
Crit Volume:	181	301	115	60								
Crit Moves:	***	***	***	***								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 145-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #143 Woodcreek Oaks & Horncastle

Cycle (sec): 100 Critical Vol./Cap.(X): 0.539
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
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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	51	903	5	16	467	242	265	8	63	28	11	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:	51	903	5	16	467	242	265	8	63	28	11	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:	51	903	5	16	467	242	265	8	63	28	11	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	903	5	16	467	242	265	8	63	28	11	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	51	903	5	16	467	242	265	8	63	28	11	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	1.99	0.01	1.00	1.32	0.68	0.97	0.03	1.00	0.72	0.28	1.00
Final Sat.:	1450	2884	16	1450	1910	990	1408	42	1450	1041	409	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.31	0.31	0.01	0.24	0.24	0.19	0.19	0.04	0.03	0.03	0.02
Crit Volume:	454	16		273			39					
Crit Moves:	***	***		***			***					

NP25 AM Thu Sep 19, 2013 08:51:51 Page 146-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #144 Woodcreek Oaks & Mcanally

Cycle (sec): 120 Critical Vol./Cap.(X): 0.862
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 165 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	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 1 0 0 1	1 1 0 0 1

Volume Module:

Base Vol:	78	1147	36	429	329	189	80	34	37	147	83	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:	78	1147	36	429	329	189	80	34	37	147	83	75
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1147	36	429	329	189	80	34	37	147	83	75
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	1147	36	429	329	189	80	34	37	147	83	75
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	78	1147	36	429	329	189	80	34	37	147	83	75

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.27	0.73	0.70	0.30	1.00	1.28	0.72	1.00
Final Sat.:	1450	2812	88	1450	1842	1058	1018	432	1450	1853	1047	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.41	0.30	0.18	0.18	0.08	0.08	0.03	0.08	0.08	0.05
Crit Volume:	592	429		114			115					
Crit Moves:	***	***		***			***					

NP25 AM Thu Sep 19, 2013 08:51:51 Page 147-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #145 Woodcreek Oaks & Trailee

Cycle (sec): 100 Critical Vol./Cap.(X): 0.598
Loss Time (sec): 0 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:	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 2 0 1	1 0 0 0 1	1 0 0 0 1

Volume Module:

Base Vol:	155	1159	58	66	262	61	83	0	132	65	0	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:	155	1159	58	66	262	61	83	0	132	65	0	109
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	155	1159	58	66	262	61	83	0	132	65	0	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	1159	58	66	262	61	83	0	132	65	0	109
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	155	1159	58	66	262	61	83	0	132	65	0	109

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2762	138	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.42	0.42	0.05	0.09	0.04	0.06	0.00	0.09	0.04	0.00	0.08
Crit Volume:	609	66	83	109								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 148-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #146 SR 65 N/B Off & Blue Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.564
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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	126	0	201	0	0	0	0	852	866	20	1566	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:	126	0	201	0	0	0	0	852	866	20	1566	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	126	0	0	0	0	0	0	852	0	20	1566	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	0	0	0	0	0	0	852	0	20	1566	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
FinalVolume:	126	0	0	0	0	0	0	852	0	20	1566	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:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3000	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.01	0.52	0.00
Crit Volume:	63	0	0	783								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 149-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #147 Washington Blvd & Blue Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.499
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	Permitted
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	1 0 2 0 1	0 0 4 0 1	2 0 3 0 1

Volume Module:

Base Vol:	103	0	731	13	485	588	0	1247	251	392	1000	493
Growth Adj:	1.00	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	0	731	13	485	588	0	1247	251	392	1000	493
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:	103	0	731	13	485	0	0	1247	251	392	1000	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	103	0	731	13	485	0	0	1247	251	392	1000	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	1.10	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	103	0	804	13	485	0	0	1247	251	392	1000	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:	2.00	2.00	2.00	1.00	2.00	1.00	0.00	4.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3000	3000	1500	3000	1500	0	6000	1500	3000	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.27	0.01	0.16	0.00	0.00	0.21	0.17	0.13	0.22	0.00
Crit Volume:	402	13	0	333								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 150-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #148 I-80 WB Off & Douglas Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.698
Loss Time (sec): 6 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:	Permitted	Permitted	Permitted	Permitted
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

Volume Module:

Base Vol:	0	0	0	697	0	144	0	1228	294	0	1538	562
Growth Adj:	1.00	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	697	0	144	0	1228	294	0	1538	562
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	697	0	144	0	1228	0	0	1538	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	697	0	144	0	1228	0	0	1538	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	697	0	144	0	1228	0	0	1538	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	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	3200	0	1600	0	3200	1600	0	3200	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.22	0.00	0.09	0.00	0.38	0.00	0.00	0.48	0.00
Crit Volume:	0	349	0	769								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 151-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #149 I-80 WB On & Atlantic St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.420
Loss Time (sec): 6 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:	Permitted			Permitted			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	1	2

Volume Module:

Base Vol:	0	0	0	0	0	0	0	1008	358	544	481	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	1008	358	544	481	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	1008	358	544	481	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	1008	358	544	481	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	1008	358	544	481	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	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	0	0	0	0	0	4500	1500	3000	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.24	0.18	0.16	0.00
Crit Volume:	0			0					358	272		
Crit Moves:									****	****		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 152-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #150 SR 65 N/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.557
Loss Time (sec): 6 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			Protected			Protected		
Rights:	Ovl			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:	3	0	0	0	2	0	0	0	0	0	3	0

Volume Module:

Base Vol:	499	0	459	0	0	0	0	1275	264	0	1748	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:	499	0	459	0	0	0	0	1275	264	0	1748	124
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	499	0	459	0	0	0	0	1275	0	0	1748	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	499	0	459	0	0	0	0	1275	0	0	1748	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
MLF Adj:	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
FinalVolume:	499	0	505	0	0	0	0	1275	0	0	1748	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	0.00	3.00	1.00
Final Sat.:	4500	0	3000	0	0	0	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.11	0.00	0.17	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.39	0.00
Crit Volume:			252	0			0				583	
Crit Moves:			****				****				****	

NP25 AM Thu Sep 19, 2013 08:51:51 Page 153-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #151 SR 65 S/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.432
Loss Time (sec): 6 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:	Permitted	Permitted	Protected	Protected
Rights:	Include	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:	0 0 0 0 0	2 0 0 0 2	0 0 3 0 1	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	244	0	552	0	1301	184	0	1578	640
Growth Adj:	1.00	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	244	0	552	0	1301	184	0	1578	640
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	244	0	0	0	1301	0	0	1578	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	244	0	0	0	1301	0	0	1578	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	244	0	0	0	1301	0	0	1578	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	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	3000	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.29	0.00	0.00	0.35	0.00
Crit Volume:	0	122	0	0	0	0	0	526	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 154-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #152 I-80 WB Off & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.724
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 3 0 1	0 0 0 0 0	3 0 0 0 1

Volume Module:

Base Vol:	0	1826	143	0	384	0	0	0	0	594	0	477
Growth Adj:	1.00	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	1826	143	0	384	0	0	0	0	594	0	477
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1826	0	0	384	0	0	0	0	594	0	477
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1826	0	0	384	0	0	0	0	594	0	477
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1826	0	0	384	0	0	0	0	594	0	477

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.41	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.13	0.00	0.32
Crit Volume:	609	0	0	0	0	0	0	0	0	477	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 155-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #153 Stanford Ranch & Sr-65 N/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.536
Loss Time (sec): 6 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			Permitted			Permitted		
Rights:	Include			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	0	3	0	1	0	0	0	1

Volume Module:

Base Vol:	818	751	0	0	1184	155	0	0	205	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:	818	751	0	0	1184	155	0	0	205	0	0	456
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	818	751	0	0	1184	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	818	751	0	0	1184	0	0	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	818	751	0	0	1184	0	0	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:	2.00	3.00	0.00	0.00	3.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	3000	4500	0	0	4500	1500	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.27	0.17	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	409				395			0				0
Crit Moves:	****				****							

NP25 AM Thu Sep 19, 2013 08:51:51 Page 156-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #154 Stanford Ranch/Galleria & Sr-65 S/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.436
Loss Time (sec): 6 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			Permitted			Permitted		
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:	0	0	3	0	1	2	0	3	0	0	0	1

Volume Module:

Base Vol:	0	1429	175	354	922	0	0	0	541	0	0	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:	0	1429	175	354	922	0	0	0	541	0	0	98
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:	0	1429	0	354	922	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1429	0	354	922	0	0	0	0	0	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:	0	1429	0	354	922	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	0	4500	1500	3000	4500	0	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.32	0.00	0.12	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	476			177				0				0
Crit Moves:	****			****								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 157-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #155 Taylor & Eureka I-80 EB Off

Cycle (sec): 120 Critical Vol./Cap.(X): 0.824
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 129 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:	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 2 0 1	2 0 1 0 1	2 0 1 1 0	0 0 4 0 1

Volume Module:

Base Vol:	132	393	790	139	0	239	259	1631	226	0	1642	273
Growth Adj:	1.00	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	393	790	139	0	239	259	1631	226	0	1642	273
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:	132	393	0	139	0	239	259	1631	226	0	1642	273
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	132	393	0	139	0	239	259	1631	226	0	1642	273
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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	132	393	0	139	0	263	259	1631	226	0	1642	273

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2.00	2.00	1.76	0.24	0.00	4.00	1.00
Final Sat.:	1450	2900	1450	2900	0	2900	2900	2547	353	0	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.14	0.00	0.05	0.00	0.09	0.09	0.64	0.64	0.00	0.28	0.19
Crit Volume:	197	70		929	0							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:51 Page 158-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #156 Fairway & Highland Park

Cycle (sec): 100 Critical Vol./Cap.(X): 0.389
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	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 1 0	1 0 1 1 0

Volume Module:

Base Vol:	0	0	7	75	1	32	10	277	4	4	226	472
Growth Adj:	1.00	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	75	1	32	10	277	4	4	226	472
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	75	1	32	10	277	4	4	226	472
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	7	75	1	32	10	277	4	4	226	472
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	75	1	32	10	277	4	4	226	472

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.00	1.00
Final Sat.:	1450	0	1450	1450	44	1406	1450	2859	41	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.02	0.02	0.01	0.10	0.10	0.00	0.16	0.33
Crit Volume:	7	75		10								472
Crit Moves:	****	****		****								****

NP25 AM Thu Sep 19, 2013 08:51:51 Page 159-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #157 I-80 EB Off/Orlando & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.760
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:	Ignore	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 0 2 0 0	0 0 2 0 1	2 0 0 0 1

Volume Module:

Base Vol:	0	1605	61	87	1014	0	0	406	138	18	0	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	1605	61	87	1014	0	0	406	138	18	0	42
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1605	0	87	1014	0	0	406	138	18	0	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1605	0	87	1014	0	0	406	138	18	0	42
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1605	0	87	1014	0	0	406	138	18	0	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:	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	0.55	0.00	0.06	0.35	0.00	0.00	0.14	0.10	0.01	0.00	0.03
Crit Volume:	803	87	203	9								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:51 Page 160-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #158 Roseville Rkwy & Old Auburn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.235
Loss Time (sec): 0 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:	Permitted	Permitted	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	215	0	0	0	0	126	16	251	534	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	215	0	0	0	0	126	16	251	534	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	215	0	0	0	0	126	16	251	534	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	30	0	215	0	0	0	0	126	16	251	534	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	215	0	0	0	0	126	16	251	534	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	0.77	0.23	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2662	338	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.14	0.00	0.00	0.00	0.00	0.05	0.05	0.17	0.18	0.00
Crit Volume:	30							71	251			
Crit Moves:	****							****	****			

NP25 AM Thu Sep 19, 2013 08:51:51 Page 161-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #159 Washington Blvd & Industrial

Cycle (sec): 100 Critical Vol./Cap.(X): 0.593
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			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:	1	0	2	0	0	2	0	1	1	0	0	0

Volume Module:

Base Vol:	442	1362	0	0	695	34	18	0	100	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:	442	1362	0	0	695	34	18	0	100	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:	442	1362	0	0	695	34	18	0	100	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	442	1362	0	0	695	34	18	0	100	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:	442	1362	0	0	695	34	18	0	100	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:	0.29	0.45	0.00	0.00	0.23	0.02	0.01	0.00	0.07	0.00	0.00	0.00
Crit Volume:	442				348				100	0		
Crit Moves:	****				****				****			

NP25 AM Thu Sep 19, 2013 08:51:51 Page 162-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #160 Foothills Blvd & HP Far South/ NEC

Cycle (sec): 100 Critical Vol./Cap.(X): 0.734
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 70 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			Permitted			Permitted		
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	1	1	0	2	0	1	0

Volume Module:

Base Vol:	439	1506	0	245	339	51	41	3	23	0	6	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:	439	1506	0	245	339	51	41	3	23	0	6	56
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	439	1506	0	245	339	51	41	3	23	0	6	56
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	439	1506	0	245	339	51	41	3	23	0	6	56
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00
FinalVolume:	439	1506	0	245	339	51	41	3	25	0	6	56

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	1.00	2.00	1.00	1.00	0.21	1.79	0.00	0.10	0.90
Final Sat.:	1500	3000	0	1500	3000	1500	1500	318	2682	0	145	1355

Capacity Analysis Module:

Vol/Sat:	0.29	0.50	0.00	0.16	0.11	0.03	0.03	0.01	0.01	0.00	0.04	0.04
Crit Volume:	753			245			41			62		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 163-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #161 Blue Oaks Blvd & Wood Meadow

Cycle (sec): 100 Critical Vol./Cap.(X): 0.711
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	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	1 0 1 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0	0	60	0	0	0	0	3306	0	180	954	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	60	0	0	0	0	3306	0	180	954	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	60	0	0	0	0	3306	0	180	954	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	60	0	0	0	0	3306	0	180	954	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	60	0	0	0	0	3306	0	180	954	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	1.00	1.00	1.00	1.00	1.00	1.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1500	1500	1500	1500	1500	1500	6000	1500	1500	6000	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.55	0.00	0.12	0.16	0.00
Crit Volume:			60					827			180	
Crit Moves:	***							***			***	

NP25 AM Thu Sep 19, 2013 08:51:51 Page 164-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #162 Gibson Rd & New Convention Center Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.477
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	Permitted	Permitted
Rights:	Ignore	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 0 2 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0	282	897	396	256	0	0	0	0	345	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	282	897	396	256	0	0	0	0	345	0	11
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	282	0	396	256	0	0	0	0	345	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	282	0	396	256	0	0	0	0	345	0	11
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	282	0	396	256	0	0	0	0	345	0	11

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	2.00	0.00	0.00	0.00	0.00	1.94	0.00	0.06
Final Sat.:	0	3000	1500	1500	3000	0	0	0	0	2907	0	93

Capacity Analysis Module:

Vol/Sat:	0.00	0.09	0.00	0.26	0.09	0.00	0.00	0.00	0.00	0.12	0.00	0.12
Crit Volume:				141	396					178		
Crit Moves:	***			***						***		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 165-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #163 Blue Oaks Blvd & Westbrook Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.258
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:	Ignore	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 2	0 0 0 0 0	0 0 1 0 1	2 0 1 0 0

Volume Module:

Base Vol:	34	0	1082	0	0	0	0	166	142	373	36	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:	34	0	1082	0	0	0	0	166	142	373	36	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:	34	0	0	0	0	0	0	166	142	373	36	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	0	0	0	0	0	0	166	142	373	36	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:	34	0	0	0	0	0	0	166	142	373	36	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	2.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	1.00	0.00
Final Sat.:	1500	0	3000	0	0	0	0	1500	1500	3000	1500	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.00	0.00	0.00	0.00	0.11	0.09	0.12	0.02	0.00	
Crit Volume:	34			0			166		187			
Crit Moves:	****						****		****			

NP25 AM Thu Sep 19, 2013 08:51:51 Page 166-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #164 Blue Oaks Blvd & Hayden Pkwy

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	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 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	44	46	143	269	54	79	49	1236	47	94	396	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:	44	46	143	269	54	79	49	1236	47	94	396	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:	44	46	143	269	54	79	49	1236	47	94	396	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	46	143	269	54	79	49	1236	47	94	396	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:	44	46	143	269	54	79	49	1236	47	94	396	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	1.00	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	0.10	0.19	0.04	0.05	0.03	0.28	0.03	0.06	0.09	0.04
Crit Volume:			143	269				412		0		
Crit Moves:			****	****				****		***		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 167-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #165 Fiddymment Rd & Westhills Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.808
Loss Time (sec): 0 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:	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	3	0	1	1	2	0	0	0	1	1

Volume Module:

Base Vol:	26	1440	9	314	1467	236	754	0	44	0	0	92
Growth Adj:	1.00	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	1440	9	314	1467	236	754	0	44	0	0	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1440	9	314	1467	236	754	0	44	0	0	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	1440	9	314	1467	236	754	0	44	0	0	92
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	1440	9	314	1467	236	754	0	44	0	0	92

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.02	0.33	0.01	0.22	0.34	0.16	0.26	0.00	0.03	0.00	0.00	0.06
Crit Volume:	480			314			377			0		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 168-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #166 Pleasant Grove Blvd & Westbrook Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.597
Loss Time (sec): 0 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:	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	2	0	3	0	1	1

Volume Module:

Base Vol:	24	662	50	245	486	239	547	663	6	28	277	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:	24	662	50	245	486	239	547	663	6	28	277	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:	24	662	50	245	486	239	547	663	6	28	277	153
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	662	50	245	486	239	547	663	6	28	277	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:	24	662	50	245	486	239	547	663	6	28	277	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:	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.23	0.03	0.08	0.11	0.16	0.19	0.15	0.00	0.01	0.10	0.11
Crit Volume:	331			123			274			139		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:51 Page 169-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #167 Fiddymment Rd & Westlake Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.444
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	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 0 3 0 1	1 0 3 0 0	0 0 0 0 0	0 0 1 0 0

Volume Module:

Base Vol:	0	1411	39	61	1450	0	0	0	0	72	0	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:	0	1411	39	61	1450	0	0	0	0	72	0	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:	0	1411	39	61	1450	0	0	0	0	72	0	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1411	39	61	1450	0	0	0	0	72	0	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	1411	39	61	1450	0	0	0	0	72	0	63

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	0.53	0.00	0.47
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	800	0	700

Capacity Analysis Module:

Vol/Sat:	0.00	0.31	0.03	0.04	0.32	0.00	0.00	0.00	0.00	0.09	0.00	0.09
Crit Volume:	470	61				0				135		
Crit Moves:	****	****								****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 170-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #168 Woodcreek Oaks Blvd & Northpark Dr

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	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 0 1	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	69	0	46	0	0	0	0	11	224	170	15	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:	69	0	46	0	0	0	0	11	224	170	15	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:	69	0	46	0	0	0	0	11	224	170	15	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	0	46	0	0	0	0	11	224	170	15	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	46	0	0	0	0	11	224	170	15	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	0.00	1.00	1.00	0.92	0.08	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	0	1500	1500	1378	122	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.15	0.12	0.12	0.00
Crit Volume:	69			0					224	185		
Crit Moves:	****								****	****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 171-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #169 Woodcreek Oaks Blvd & Parkside Wy

Cycle (sec): 100 Critical Vol./Cap.(X): 0.474
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			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	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	61	96	18	261	128	6	13	294	43	61	10	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:	61	96	18	261	128	6	13	294	43	61	10	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:	61	96	18	261	128	6	13	294	43	61	10	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	61	96	18	261	128	6	13	294	43	61	10	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:	61	96	18	261	128	6	13	294	43	61	10	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	0.04	0.96	1.00	0.86	0.14	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	61	1389	1450	1246	204	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.03	0.01	0.18	0.04	0.00	0.21	0.21	0.03	0.05	0.05	0.00
Crit Volume:	48			261			307			71		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 172-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #170 Industrial Ave & Alantown Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.916
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			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	0	1	0	1	0	0	0	0	0	1	0

Volume Module:

Base Vol:	0	787	18	90	372	0	0	0	0	27	0	497
Growth Adj:	1.00	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	787	18	90	372	0	0	0	0	27	0	497
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	787	18	90	372	0	0	0	0	27	0	497
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	787	18	90	372	0	0	0	0	27	0	497
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	787	18	90	372	0	0	0	0	27	0	497

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	0.52	0.01	0.06	0.25	0.00	0.00	0.00	0.00	0.02	0.00	0.33
Crit Volume:	787			90			0			497		
Crit Moves:	****			****						****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 173-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #171 Roseville Pkwy & Gibson West

Cycle (sec): 100 Critical Vol./Cap.(X): 1.016
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	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	1 0 0 0 1	1 0 3 0 0	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	85	0	218	805	1842	0	0	1901	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	85	0	218	805	1842	0	0	1901	50
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	0	0	85	0	0	805	1842	0	0	1901	50
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	85	0	0	805	1842	0	0	1901	50
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	0	0	85	0	0	805	1842	0	0	1901	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	1.00	0.00	1.00	1.00	3.00	0.00	1.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.00	0.54	0.41	0.00	0.00	0.42	0.03
Crit Volume:	0	85	805	634								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:52 Page 174-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #172 Washington Blvd & All America

Cycle (sec): 100 Critical Vol./Cap.(X): 0.512
Loss Time (sec): 0 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	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 2 0 1	1 0 1 1 0	1 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	51	946	0	22	1123	59	99	4	32	0	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:	51	946	0	22	1123	59	99	4	32	0	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	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:	51	946	0	22	1123	59	99	4	32	0	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	946	0	22	1123	59	99	4	32	0	1	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:	51	946	0	22	1123	59	99	4	32	0	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	2.00	1.00	1.00	1.90	0.10	1.00	0.11	0.89	0.00	1.00	1.00
Final Sat.:	1450	2900	1450	1450	2755	145	1450	161	1289	0	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.33	0.00	0.02	0.41	0.41	0.07	0.02	0.02	0.00	0.00	0.00
Crit Volume:	51	591	99	1								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:52 Page 175-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #173 Cirby & Cottonwood

Cycle (sec): 100 Critical Vol./Cap.(X): 0.542
Loss Time (sec): 0 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:	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 1 0 0 1	0 1 0 0 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	85	5	117	44	6	0	0	790	117	165	488	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:	85	5	117	44	6	0	0	790	117	165	488	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:	85	5	117	44	6	0	0	790	117	165	488	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	5	117	44	6	0	0	790	117	165	488	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:	85	5	117	44	6	0	0	790	117	165	488	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:	0.94	0.06	1.00	0.88	0.12	0.00	1.00	1.74	0.26	1.00	1.89	0.11
Final Sat.:	1369	81	1450	1276	174	0	1450	2526	374	1450	2743	157

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.08	0.03	0.03	0.00	0.00	0.31	0.31	0.11	0.18	0.18
Crit Volume:	117	50	454	165								
Crit Moves:	***		***									

NP25 AM Thu Sep 19, 2013 08:51:52 Page 176-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #174 Secret Ravine & Alexandra

Cycle (sec): 100 Critical Vol./Cap.(X): 0.140
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 1 1 0	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	6	0	55	0	0	0	0	200	12	55	320	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:	6	0	55	0	0	0	0	200	12	55	320	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:	6	0	55	0	0	0	0	200	12	55	320	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	55	0	0	0	0	200	12	55	320	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:	6	0	55	0	0	0	0	200	12	55	320	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	1.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	1500	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.07	0.01	0.04	0.11	0.00
Crit Volume:	55	0	100	55								
Crit Moves:	***		***									

NP25 AM Thu Sep 19, 2013 08:51:52 Page 177-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #175 Fiddymment Rd & Fiddymment Ranch EW Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.426
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:	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 0 0	0 0 2 0 1	1 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	48 950 0	0 854 0	0 0 164	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:	48 950 0	0 854 0	0 0 164	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:	48 950 0	0 854 0	0 0 164	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	48 950 0	0 854 0	0 0 164	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:	48 950 0	0 854 0	0 0 164	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:	0.03 0.32 0.00	0.00 0.28 0.00	0.00 0.00 0.11	0.00 0.00 0.00
Crit Volume:	475	0	164	0
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 178-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #176 Douglas Bl & I-80 EB On

Cycle (sec): 100 Critical Vol./Cap.(X): 0.478
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	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 0 0 0	1 0 4 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0 0 0	0 0 0	160 2619 0	0 1815 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:	0 0 0	0 0 0	160 2619 0	0 1815 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:	0 0 0	0 0 0	160 2619 0	0 1815 156
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 0 0	0 0 0	160 2619 0	0 1815 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
FinalVolume:	0 0 0	0 0 0	160 2619 0	0 1815 156

Saturation Flow Module:

Sat/Lane:	1600 1600 1600	1600 1600 1600	1600 1600 1600	1600 1600 1600
Adjustment:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Lanes:	0.00 0.00 0.00	0.00 0.00 0.00	1.00 4.00 0.00	0.00 0.00 3.00
Final Sat.:	0 0 0	0 0 0	1600 6400 0	0 4800 1600

Capacity Analysis Module:

Vol/Sat:	0.00 0.00 0.00	0.00 0.00 0.00	0.10 0.41 0.00	0.00 0.00 0.38
Crit Volume:	0	0	160	605
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 179-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #177 Santucci Blvd & Pleasant Grove Blvd

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
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 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	385	35	3	88	66	0	0	823	655	139	316	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:	385	35	3	88	66	0	0	823	655	139	316	42
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:	385	35	3	88	66	0	0	823	0	139	316	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	385	35	3	88	66	0	0	823	0	139	316	42
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:	385	35	3	88	66	0	0	823	0	139	316	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:	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:	0.13	0.01	0.00	0.06	0.02	0.00	0.00	0.28	0.00	0.10	0.11	0.03
Crit Volume:	192			33				412		139		
Crit Moves:	****			****				****		****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 180-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #178 Santucci Blvd & Federico Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.409
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:	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	22	578	117	17	922	6	11	39	70	194	8	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:	22	578	117	17	922	6	11	39	70	194	8	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:	22	578	117	17	922	6	11	39	70	194	8	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	578	117	17	922	6	11	39	70	194	8	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:	22	578	117	17	922	6	11	39	70	194	8	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.13	0.08	0.01	0.21	0.00	0.01	0.03	0.05	0.13	0.01	0.01
Crit Volume:	22			307			70		194			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:52 Page 181-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #179 Santucci Blvd & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.329
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			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	3	0	1	1	0	3	0	1	1	0	2

Volume Module:

Base Vol:	6	656	52	49	1159	2	8	9	23	62	3	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:	6	656	52	49	1159	2	8	9	23	62	3	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:	6	656	52	49	1159	2	8	9	23	62	3	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	656	52	49	1159	2	8	9	23	62	3	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:	6	656	52	49	1159	2	8	9	23	62	3	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	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:	0.00	0.15	0.04	0.03	0.27	0.00	0.01	0.00	0.02	0.04	0.00	0.04
Crit Volume:	6			386			23		62			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:52 Page 182-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #180 Watt Ave & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.689
Loss Time (sec): 0 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			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

Volume Module:

Base Vol:	169	471	275	160	879	349	180	1565	1	199	1086	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:	169	471	275	160	879	349	180	1565	1	199	1086	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:	169	471	275	160	879	349	180	1565	1	199	1086	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	169	471	275	160	879	349	180	1565	1	199	1086	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:	169	471	275	160	879	349	180	1565	1	199	1086	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:	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:	0.06	0.11	0.19	0.06	0.20	0.24	0.06	0.36	0.00	0.07	0.25	0.04
Crit Volume:	84			293			522		99			
Crit Moves:	****			****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:52 Page 183-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #181 Westbrook Blvd & Federico Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.339
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 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 3 0 1 1 0 3 0 1 1 0 1 0 1 1 0 1 0 1

Volume Module:
Base Vol: 29 562 98 2 605 10 94 71 90 171 29 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: 29 562 98 2 605 10 94 71 90 171 29 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: 29 562 98 2 605 10 94 71 90 171 29 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 29 562 98 2 605 10 94 71 90 171 29 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: 29 562 98 2 605 10 94 71 90 171 29 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 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1450 4350 1450 1450 4350 1450 1450 1450 1450 1450 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.02 0.13 0.07 0.00 0.14 0.01 0.06 0.05 0.06 0.12 0.02 0.00
Crit Volume: 29 202 90 171
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 184-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #182 Westbrook Blvd & Vista Glen Blvd

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: 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 3 0 1 1 0 3 0 1 1 0 2 0 1 1 0 2 0 1

Volume Module:
Base Vol: 11 614 299 81 887 9 27 157 19 149 58 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: 11 614 299 81 887 9 27 157 19 149 58 75
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 11 614 299 81 887 9 27 157 19 149 58 75
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 11 614 299 81 887 9 27 157 19 149 58 75
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 11 614 299 81 887 9 27 157 19 149 58 75

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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: 0.01 0.14 0.21 0.06 0.20 0.01 0.02 0.05 0.01 0.10 0.02 0.05
Crit Volume: 299 81 79 149
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 185-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #183 Westbrook Blvd & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.761
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 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: 30 489 529 230 574 313 396 1379 12 215 1013 135
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 30 489 529 230 574 313 396 1379 12 215 1013 135
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 30 489 529 230 574 313 396 1379 12 215 1013 135
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 30 489 529 230 574 313 396 1379 12 215 1013 135
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 30 489 529 230 574 313 396 1379 12 215 1013 135

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 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: 0.01 0.11 0.36 0.08 0.13 0.22 0.14 0.32 0.01 0.07 0.23 0.09
Crit Volume: 529 115 460 0
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 186-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #184 Market St & Vista Glen Blvd

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: 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 1 0 1 0 1 1 0 2 0 1

Volume Module:
Base Vol: 83 25 33 4 114 31 35 587 70 23 179 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: 83 25 33 4 114 31 35 587 70 23 179 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: 83 25 33 4 114 31 35 587 70 23 179 3
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 83 25 33 4 114 31 35 587 70 23 179 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: 83 25 33 4 114 31 35 587 70 23 179 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 1.00 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 2900 1450 1450 2900 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.06 0.02 0.02 0.00 0.08 0.02 0.02 0.20 0.05 0.02 0.06 0.00
Crit Volume: 83 114 294 23
Crit Moves: ****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 187-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #185 Market St & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.644
Loss Time (sec): 0 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:	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	138	57	13	182	112	64	7	2039	93	4	1265	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:	138	57	13	182	112	64	7	2039	93	4	1265	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:	138	57	13	182	112	64	7	2039	93	4	1265	65
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	138	57	13	182	112	64	7	2039	93	4	1265	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:	138	57	13	182	112	64	7	2039	93	4	1265	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:	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:	0.10	0.04	0.01	0.13	0.08	0.04	0.00	0.47	0.06	0.00	0.29	0.04
Crit Volume:	138			112			680			4		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 188-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #186 Pleasant Grove Blvd & Upland Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.546
Loss Time (sec): 0 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:	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 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	46	0	102	0	0	0	0	1380	84	27	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:	46	0	102	0	0	0	0	1380	84	27	551	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	102	0	0	0	0	1380	84	27	551	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	0	102	0	0	0	0	1380	84	27	551	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	102	0	0	0	0	1380	84	27	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	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:	0.03	0.00	0.07	0.00	0.00	0.00	0.00	0.46	0.06	0.02	0.18	0.00
Crit Volume:	102			0				690		27		
Crit Moves:	****							****		****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 189-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #187 Upland Dr & Vista Glen 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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	20	36	44	16	91	7	36	684	96	89	183	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:	20	36	44	16	91	7	36	684	96	89	183	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:	20	36	44	16	91	7	36	684	96	89	183	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	36	44	16	91	7	36	684	96	89	183	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:	20	36	44	16	91	7	36	684	96	89	183	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	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.03	0.01	0.06	0.00	0.02	0.24	0.07	0.06	0.06	0.00
Crit Volume:	20			91			342			89		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 190-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #188 Upland Dr & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.530
Loss Time (sec): 0 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	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	117	0	42	80	2032	0	0	1152	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:	0	0	0	117	0	42	80	2032	0	0	1152	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:	0	0	0	117	0	42	80	2032	0	0	1152	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	117	0	42	80	2032	0	0	1152	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:	0	0	0	117	0	42	80	2032	0	0	1152	39

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	0.03	0.05	0.45	0.00	0.00	0.26	0.03
Crit Volume:	0			117			677		0			
Crit Moves:				****			****		****			

NP25 AM Thu Sep 19, 2013 08:51:52 Page 191-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #189 Baseline Rd & CMU3 Entrance

Cycle (sec): 100 Critical Vol./Cap.(X): 0.473
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:	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	1	2	104	21	19	8	1652	81	29	1300	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1	2	104	21	19	8	1652	81	29	1300	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1	2	104	21	19	8	1652	81	29	1300	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	2	104	21	19	8	1652	81	29	1300	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:	0	1	2	104	21	19	8	1652	81	29	1300	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	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:	0.00	0.00	0.00	0.07	0.01	0.01	0.01	0.38	0.06	0.02	0.30	0.01
Crit Volume:	2	104						551		29		
Crit Moves:	***	***						***		***		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 192-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #190 Westbrook Blvd & Sierra Village Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.357
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	15	860	59	5	923	128	47	6	55	140	17	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:	15	860	59	5	923	128	47	6	55	140	17	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:	15	860	59	5	923	128	47	6	55	140	17	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	860	59	5	923	128	47	6	55	140	17	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:	15	860	59	5	923	128	47	6	55	140	17	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.20	0.04	0.00	0.21	0.09	0.03	0.00	0.04	0.10	0.01	0.01
Crit Volume:	15				308				55	140		
Crit Moves:	***				***				***	***		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 193-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #191 Vista Glen Blvd & Road 2A

Cycle (sec): 100 Critical Vol./Cap.(X): 0.225
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:	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	38	0	5	0	0	1	2	568	0	3	254	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	5	0	0	1	2	568	0	3	254	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	5	0	0	1	2	568	0	3	254	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	38	0	5	0	0	1	2	568	0	3	254	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	5	0	0	1	2	568	0	3	254	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	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.09	0.00	
Crit Volume:	38				1		284		3			
Crit Moves:	****				****		****		****			

NP25 AM Thu Sep 19, 2013 08:51:52 Page 194-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #192 Vista Glen Blvd & SV NS Coll 5

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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	27	3	82	0	2	17	15	734	8	14	196	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	3	82	0	2	17	15	734	8	14	196	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	3	82	0	2	17	15	734	8	14	196	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	3	82	0	2	17	15	734	8	14	196	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	3	82	0	2	17	15	734	8	14	196	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	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.06	0.00	0.00	0.01	0.01	0.25	0.01	0.01	0.07	0.00
Crit Volume:	82	0				367		14				
Crit Moves:	****	****				****		****				

NP25 AM Thu Sep 19, 2013 08:51:52 Page 195-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #193 Santucci Blvd & SV CC5 CC6

Cycle (sec): 100 Critical Vol./Cap.(X): 0.282
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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	0	712	15	4	1181	0	0	0	0	29	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	712	15	4	1181	0	0	0	0	29	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	712	15	4	1181	0	0	0	0	29	0	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	712	15	4	1181	0	0	0	0	29	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	712	15	4	1181	0	0	0	0	29	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	4500	1500	1500	4500	1500	1500	1500	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.01	0.00	0.26	0.00	0.00	0.00	0.00	0.02	0.00	0.00
Crit Volume:	0			394		0				29		
Crit Moves:	****			****		****				****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 196-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #194 Santucci Blvd & Sierra Village Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.436
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:	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	28	643	37	53	1175	15	55	9	101	112	4	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:	28	643	37	53	1175	15	55	9	101	112	4	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:	28	643	37	53	1175	15	55	9	101	112	4	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	643	37	53	1175	15	55	9	101	112	4	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:	28	643	37	53	1175	15	55	9	101	112	4	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.15	0.03	0.04	0.27	0.01	0.04	0.01	0.07	0.08	0.00	0.01
Crit Volume:	28			392		101			112			
Crit Moves:	****			****		****			****			

NP25 AM Thu Sep 19, 2013 08:51:52 Page 197-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #195 Vista Glen Blvd & Road 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.074
Loss Time (sec): 0 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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	6	1	0	36	4	1	0	142	3	0	88	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:	6	1	0	36	4	1	0	142	3	0	88	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:	6	1	0	36	4	1	0	142	3	0	88	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	1	0	36	4	1	0	142	3	0	88	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:	6	1	0	36	4	1	0	142	3	0	88	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:	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.05	0.00	0.00	0.03	0.01
Crit Volume:	1	36	71	0								
Crit Moves:	****	****	****	****								

NP25 AM Thu Sep 19, 2013 08:51:52 Page 198-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #196 Westbrook Blvd & Sierra Glen Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.233
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	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 3 0 1	1 0 3 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0	694	28	0	865	0	0	0	0	61	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	694	28	0	865	0	0	0	0	61	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	694	28	0	865	0	0	0	0	61	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	694	28	0	865	0	0	0	0	61	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:	0	694	28	0	865	0	0	0	0	61	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:	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	4500	1500	1500	4500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.15	0.02	0.00	0.19	0.00	0.00	0.00	0.00	0.04	0.00	0.00
Crit Volume:	0	288	0	0	61							
Crit Moves:	****	****	****		****							

NP25 AM Thu Sep 19, 2013 08:51:52 Page 199-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #197 Baseline Rd & SV CC2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.432
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:	Include	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	1 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	50	0	84	261	1734	0	0	1012	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:	0	0	0	50	0	84	261	1734	0	0	1012	97
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	0	0	50	0	0	261	1734	0	0	1012	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	50	0	0	261	1734	0	0	1012	97
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	0	0	50	0	0	261	1734	0	0	1012	97

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	0.00	0.17	0.39	0.00	0.00	0.22	0.06
Crit Volume:	0	0	0	50	0	0	261	337	0	0	337	0
Crit Moves:				****			****				****	

NP25 AM Thu Sep 19, 2013 08:51:52 Page 200-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #198 Baseline Rd & SV CCBP2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.497
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	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	0	0	34	0	2135	0	0	1081	138
Growth Adj:	1.00	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	34	0	2135	0	0	1081	138
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	34	0	2135	0	0	1081	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	34	0	2135	0	0	1081	138
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	0	0	34	0	2135	0	0	1081	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	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	0.00	0.00	0.02	0.00	0.47	0.00	0.00	0.24	0.09
Crit Volume:	0	0	0	0	0	34	0	712	0	0	0	0
Crit Moves:						****		****			****	

NP25 AM Thu Sep 19, 2013 08:51:52 Page 201-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #199 Baseline Rd & SV CC4

Cycle (sec): 100 Critical Vol./Cap.(X): 0.494
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	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	55	0	59	173	2057	0	0	1028	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:	0	0	0	55	0	59	173	2057	0	0	1028	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:	1.00	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	55	0	59	173	2057	0	0	1028	165
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	55	0	59	173	2057	0	0	1028	165
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	55	0	59	173	2057	0	0	1028	165

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	0.04	0.00	0.04	0.12	0.46	0.00	0.00	0.23	0.11
Crit Volume:	0	55	686	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 202-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #200 Westbrook Blvd & Parkway One

Cycle (sec): 100 Critical Vol./Cap.(X): 0.249
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	58	40	20	0	48	4	9	1	224	63	1	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	40	20	0	48	4	9	1	224	63	1	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	40	20	0	48	4	9	1	224	63	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	40	20	0	48	4	9	1	224	63	1	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	40	20	0	48	4	9	1	224	63	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	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.15	0.04	0.00	0.00
Crit Volume:	58	16	224	63	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 203-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #201 Westbrook Blvd & Nobo Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.169
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	3	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	31	106	0	0	315	6	7	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:	31	106	0	0	315	6	7	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:	31	106	0	0	315	6	7	0	118	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	106	0	0	315	6	7	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:	31	106	0	0	315	6	7	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	4500	1500	1500	4500	1500	1500	1500	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.08	0.00	0.00	0.00
Crit Volume:	31			105			118		0			
Crit Moves:	****			****			****					

NP25 AM Thu Sep 19, 2013 08:51:52 Page 204-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #202 Blue Oaks Blvd & Nobo Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.327
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			Permitted			Permitted			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	0	1	0	3

Volume Module:

Base Vol:	0	0	0	61	0	45	171	1288	0	0	406	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:	0	0	0	61	0	45	171	1288	0	0	406	121
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	61	0	45	171	1288	0	0	406	121
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	61	0	45	171	1288	0	0	406	121
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	45	171	1288	0	0	406	121

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	0.04	0.00	0.03	0.11	0.29	0.00	0.00	0.09	0.08
Crit Volume:	0			61			429		0			
Crit Moves:				****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 205-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #203 Santucci Blvd & Road E

Cycle (sec): 100 Critical Vol./Cap.(X): 0.311
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			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	3	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	23	395	187	71	775	13	5	2	9	161	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:	23	395	187	71	775	13	5	2	9	161	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:	23	395	187	71	775	13	5	2	9	161	4	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	395	187	71	775	13	5	2	9	161	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
FinalVolume:	23	395	187	71	775	13	5	2	9	161	4	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.09	0.13	0.05	0.18	0.01	0.00	0.00	0.01	0.11	0.00	0.02
Crit Volume:	23			258			9	161				
Crit Moves:	****			****			****	****				

NP25 AM Thu Sep 19, 2013 08:51:52 Page 206-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #204 Westbrook Blvd & Road E

Cycle (sec): 100 Critical Vol./Cap.(X): 0.249
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			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	3	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	43	589	25	18	487	15	87	10	52	78	17	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:	43	589	25	18	487	15	87	10	52	78	17	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:	43	589	25	18	487	15	87	10	52	78	17	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	589	25	18	487	15	87	10	52	78	17	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:	43	589	25	18	487	15	87	10	52	78	17	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.14	0.02	0.01	0.11	0.01	0.06	0.01	0.04	0.05	0.01	0.04
Crit Volume:	196			18			87			60		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 207-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #205 Pleasant Grove Blvd & Road 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.421
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:	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 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	85	0	46	0	0	0	0	962	16	66	401	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:	85	0	46	0	0	0	0	962	16	66	401	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:	85	0	46	0	0	0	0	962	16	66	401	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	0	46	0	0	0	0	962	16	66	401	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:	85	0	46	0	0	0	0	962	16	66	401	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:	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.32	0.01	0.04	0.13	0.00
Crit Volume:	85			0				481		66		
Crit Moves:	****							****		****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 208-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1001 Riverside Av & Darling Wy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.776
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 102 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:	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 1 0 1	1 0 1 1 0	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	34	857	263	19	149	7	2	74	19	124	29	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:	34	857	263	19	149	7	2	74	19	124	29	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:	34	857	263	19	149	7	2	74	19	124	29	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	857	263	19	149	7	2	74	19	124	29	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:	34	857	263	19	149	7	2	74	19	124	29	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	1.00	1.00	1.00	1.91	0.09	0.03	0.97	1.00	0.72	0.17	0.11
Final Sat.:	1450	1450	1450	1450	2770	130	38	1412	1450	1039	243	168

Capacity Analysis Module:

Vol/Sat:	0.02	0.59	0.18	0.01	0.05	0.05	0.05	0.05	0.01	0.12	0.12	0.12
Crit Volume:	857		19				76			173		
Crit Moves:	****		****				****			****		

NP25 AM Thu Sep 19, 2013 08:51:52 Page 209-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1002 Vernon & Douglas/Riverside

Cycle (sec): 120 Critical Vol./Cap.(X): 0.530
Loss Time (sec): 9 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:	Permitted	Permitted	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 1 0 0 1	0 1 0 0 1	1 0 1! 0 0	1 0 1 1 0

Volume Module:

Base Vol:	1 343 332	1 130 139	398 359 2	71 85 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:	1 343 332	1 130 139	398 359 2	71 85 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:	1 343 332	1 130 139	398 359 2	71 85 2
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	1 343 332	1 130 139	398 359 2	71 85 2
PCE Adj:	1.00 1.00 1.00	2.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	1 343 332	2 130 139	398 359 2	71 85 2

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:	0.01 0.99 1.00	0.01 0.99 1.00	1.05 0.94 0.01	1.00 1.95 0.05
Final Sat.:	4 1496 1500	11 1489 1500	1573 1419 8	1500 2931 69

Capacity Analysis Module:

Vol/Sat:	0.23 0.23 0.22	0.09 0.09 0.09	0.25 0.25 0.25	0.05 0.03 0.03
Crit Volume:	344	1	380	71
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 210-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1003 Vernon & Grant

Cycle (sec): 120 Critical Vol./Cap.(X): 0.453
Loss Time (sec): 6 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:	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	201 30 36	3 19 9	7 476 179	10 217 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:	201 30 36	3 19 9	7 476 179	10 217 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:	201 30 36	3 19 9	7 476 179	10 217 2
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	201 30 36	3 19 9	7 476 179	10 217 2
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	2.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	201 30 36	3 19 9	7 476 179	20 217 2

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:	0.87 0.13 1.00	0.10 0.61 0.29	0.01 0.99 1.00	0.04 0.96 1.00
Final Sat.:	1392 208 1600	155 981 465	23 1577 1600	70 1530 1600

Capacity Analysis Module:

Vol/Sat:	0.14 0.14 0.02	0.02 0.02 0.02	0.30 0.30 0.11	0.14 0.14 0.00
Crit Volume:	201	31	483	10
Crit Moves:	****	****	****	****

NP25 AM Thu Sep 19, 2013 08:51:52 Page 211-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1004 Vernon & Judah

Cycle (sec): 120 Critical Vol./Cap.(X): 0.463
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:	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:	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	4	39	42	38	25	25	97	585	9	27	253	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:	4	39	42	38	25	25	97	585	9	27	253	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:	4	39	42	38	25	25	97	585	9	27	253	114
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	39	42	38	25	25	97	585	9	27	253	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:	4	39	42	38	25	25	97	585	9	27	253	114

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	0.48	0.52	1.00	0.50	0.50	1.00	0.98	0.02	1.00	0.69	0.31
Final Sat.:	1600	770	830	1600	800	800	1600	1576	24	1600	1103	497

Capacity Analysis Module:

Vol/Sat:	0.00	0.05	0.05	0.02	0.03	0.03	0.06	0.37	0.37	0.02	0.23	0.23
Crit Volume:	81	38		594	27							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:52 Page 212-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1005 Vernon & Lincoln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.573
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:	Permitted	Permitted	Split Phase	Split Phase
Rights:	Ignore	Include	Include	Include
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 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 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	11	45	458	16	25	9	16	517	13	211	224	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:	11	45	458	16	25	9	16	517	13	211	224	33
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:	11	45	0	16	25	9	16	517	13	211	224	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	45	0	16	25	9	16	517	13	211	224	33
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:	11	45	0	16	25	9	16	517	13	211	224	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:	0.20	0.80	1.00	0.32	0.50	0.18	1.00	0.98	0.02	1.00	0.87	0.13
Final Sat.:	295	1205	1500	480	750	270	1500	1463	37	1500	1307	193

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.00	0.03	0.03	0.03	0.01	0.35	0.35	0.14	0.17	0.17
Crit Volume:	56	16		530	257							
Crit Moves:	****	****		****	****							

NP25 AM Thu Sep 19, 2013 08:51:52 Page 213-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1006 Washington & Main

Cycle (sec): 120 Critical Vol./Cap.(X): 0.581
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:	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	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	259	836	29	138	902	19	84	182	343	80	176	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	836	29	138	902	19	84	182	343	80	176	38
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:	259	836	29	138	902	0	84	182	0	80	176	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	259	836	29	138	902	0	84	182	0	80	176	38
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:	259	836	29	138	902	0	84	182	0	80	176	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	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.29	0.02	0.10	0.31	0.00	0.06	0.13	0.00	0.06	0.12	0.03
Crit Volume:	130			451			182			80		
Crit Moves:	****			****			****			****		

NP25 AM Thu Sep 19, 2013 08:51:53 Page 214-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
AM Peak Hour

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

Intersection #1007 Washington & Oak

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

Volume Module:

Base Vol:	0	7	1	789	20	585	627	36	7	1	30	491
Growth Adj:	1.00	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	7	1	789	20	585	627	36	7	1	30	491
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	7	1	789	20	585	627	36	7	1	30	491
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	7	1	789	20	585	627	36	7	1	30	491
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10
FinalVolume:	0	7	1	789	20	585	627	36	7	1	30	540

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	1.95	0.05	1.00	1.87	0.11	0.02	0.03	0.97	2.00
Final Sat.:	0	1450	1450	2828	72	1450	2714	156	30	47	1403	2900

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.28	0.28	0.40	0.23	0.23	0.23	0.02	0.02	0.19
Crit Volume:	7			405			335			31		
Crit Moves:	****			****			****			****		

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Scenario Report

Scenario: NP25 PM
Command: NP25 PM
Volume: NP25 PM
Geometry: SV25
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 Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	LOS	Veh C	LOS	Veh C	
# 1 Atlantic & Tiger/Center	A	xxxxx 0.480	A	xxxxx 0.480	+ 0.000 V/C
# 2 Atlantic & Wills	C	xxxxx 0.764	C	xxxxx 0.764	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	B	xxxxx 0.689	B	xxxxx 0.689	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	E	xxxxx 0.990	E	xxxxx 0.990	+ 0.000 V/C
# 5 Blue Oaks & Crocker Ranch	B	xxxxx 0.688	B	xxxxx 0.688	+ 0.000 V/C
# 6 Blue Oaks & Del Webb	B	xxxxx 0.625	B	xxxxx 0.625	+ 0.000 V/C
# 7 Blue Oaks & Fiddymment	C	xxxxx 0.761	C	xxxxx 0.761	+ 0.000 V/C
# 8 Blue Oaks & New Meadow	C	xxxxx 0.704	C	xxxxx 0.704	+ 0.000 V/C
# 9 Blue Oaks & Orchard View	B	xxxxx 0.621	B	xxxxx 0.621	+ 0.000 V/C
# 10 Blue Oaks Bl & Diamond Creek B	E	xxxxx 0.959	E	xxxxx 0.959	+ 0.000 V/C
# 11 Blue Oaks Bl & Foothills Bl	F	xxxxx 1.349	F	xxxxx 1.349	+ 0.000 V/C
# 12 Blue Oaks Bl & Woodcreek Oaks	B	xxxxx 0.689	B	xxxxx 0.689	+ 0.000 V/C
# 13 Cirby & Sunrise	F	xxxxx 1.088	F	xxxxx 1.088	+ 0.000 V/C
# 14 Cirby Wy & Foothills Bl	F	xxxxx 1.114	F	xxxxx 1.114	+ 0.000 V/C
# 15 Cirby Wy & Melody Ln	B	xxxxx 0.617	B	xxxxx 0.617	+ 0.000 V/C
# 16 Cirby Wy & Northridge Dr	E	xxxxx 0.935	E	xxxxx 0.935	+ 0.000 V/C
# 17 Cirby Wy & Oak Ridge Dr	C	xxxxx 0.714	C	xxxxx 0.714	+ 0.000 V/C
# 18 Cirby Wy & Orlando Av	D	xxxxx 0.889	D	xxxxx 0.889	+ 0.000 V/C
# 19 Cirby Wy & Parkview Dr	A	xxxxx 0.534	A	xxxxx 0.534	+ 0.000 V/C
# 20 Cirby Wy & Riverside Av	F	xxxxx 1.156	F	xxxxx 1.156	+ 0.000 V/C
# 21 Cirby Wy & Rocky Ridge Dr	B	xxxxx 0.644	B	xxxxx 0.644	+ 0.000 V/C
# 22 Cirby Wy & San Simeon Dr	B	xxxxx 0.648	B	xxxxx 0.648	+ 0.000 V/C
# 23 Cirby Wy & Vernon St	F	xxxxx 1.293	F	xxxxx 1.293	+ 0.000 V/C

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 24 Douglas & Eureka	B xxxxx	0.666	B xxxxx	0.666	+ 0.000 V/C
# 25 Douglas & Rocky Ridge	D xxxxx	0.827	D xxxxx	0.827	+ 0.000 V/C
# 26 Douglas & Santa Clara	C xxxxx	0.701	C xxxxx	0.701	+ 0.000 V/C
# 27 Douglas & Sierra Gardens	B xxxxx	0.685	B xxxxx	0.685	+ 0.000 V/C
# 28 Douglas & Sunrise	E xxxxx	0.902	E xxxxx	0.902	+ 0.000 V/C
# 29 Douglas & Target	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
# 30 Douglas Bl & E Roseville Pw	C xxxxx	0.737	C xxxxx	0.737	+ 0.000 V/C
# 31 Douglas Bl & Folsom Rd	B xxxxx	0.630	B xxxxx	0.630	+ 0.000 V/C
# 32 Douglas Bl & Harding Bl	E xxxxx	0.972	E xxxxx	0.972	+ 0.000 V/C
# 33 Douglas Bl & Judah St	A xxxxx	0.507	A xxxxx	0.507	+ 0.000 V/C
# 34 Douglas Bl & Keehner Av	A xxxxx	0.494	A xxxxx	0.494	+ 0.000 V/C
# 35 Douglas Bl & Park Dr	A xxxxx	0.418	A xxxxx	0.418	+ 0.000 V/C
# 36 Douglas Bl & Sierra College Bl	D xxxxx	0.863	D xxxxx	0.863	+ 0.000 V/C
# 37 Eureka & Lead Hill	A xxxxx	0.534	A xxxxx	0.534	+ 0.000 V/C
# 38 Eureka & N. Sunrise	C xxxxx	0.755	C xxxxx	0.755	+ 0.000 V/C
# 39 Eureka & Rocky Ridge	C xxxxx	0.738	C xxxxx	0.738	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A xxxxx	0.440	A xxxxx	0.440	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts	A xxxxx	0.405	A xxxxx	0.405	+ 0.000 V/C
# 42 Fairway & Central Park/Lowes	A xxxxx	0.527	A xxxxx	0.527	+ 0.000 V/C
# 43 Fairway & Cortina Circle	A xxxxx	0.456	A xxxxx	0.456	+ 0.000 V/C
# 44 Fairway & Five Star	A xxxxx	0.444	A xxxxx	0.444	+ 0.000 V/C
# 45 Fairway & Home Depot	A xxxxx	0.513	A xxxxx	0.513	+ 0.000 V/C
# 46 Fairway & Target/Rosehall	A xxxxx	0.439	A xxxxx	0.439	+ 0.000 V/C
# 47 Fiddymment & Del Webb/Village G	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
# 48 Fiddymment & Hayden Pkwy North	A xxxxx	0.510	A xxxxx	0.510	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 49 Fiddymment & Hayden Pkwy South	B xxxxx	0.601	B xxxxx	0.601	+ 0.000 V/C
# 50 Foothills & Baseline/Main	D xxxxx	0.862	D xxxxx	0.862	+ 0.000 V/C
# 51 Foothills & Misty Wood/Nec	A xxxxx	0.565	A xxxxx	0.565	+ 0.000 V/C
# 52 Foothills Bl & Albertsons Dr	B xxxxx	0.653	B xxxxx	0.653	+ 0.000 V/C
# 53 Foothills Bl & Atkinson Rd	A xxxxx	0.567	A xxxxx	0.567	+ 0.000 V/C
# 54 Foothills Bl & Roseville Pkwy/	D xxxxx	0.843	D xxxxx	0.843	+ 0.000 V/C
# 55 Foothills Bl & HP South	A xxxxx	0.540	A xxxxx	0.540	+ 0.000 V/C
# 56 Foothills Bl & Junction Bl	D xxxxx	0.843	D xxxxx	0.843	+ 0.000 V/C
# 57 Foothills Bl & Mcanally Dr	D xxxxx	0.882	D xxxxx	0.882	+ 0.000 V/C
# 58 Foothills Bl & Pleasant Grove	E xxxxx	0.996	E xxxxx	0.996	+ 0.000 V/C
# 59 Foothills Blvd & Rand/Pilgrims	A xxxxx	0.594	A xxxxx	0.594	+ 0.000 V/C
# 60 Foothills Bl & Vineyard Rd	D xxxxx	0.833	D xxxxx	0.833	+ 0.000 V/C
# 61 Galleria & Antelope Creek	B xxxxx	0.658	B xxxxx	0.658	+ 0.000 V/C
# 62 Galleria & Berry	D xxxxx	0.848	D xxxxx	0.848	+ 0.000 V/C
# 63 Galleria & Roseville Pkwy	F xxxxx	1.012	F xxxxx	1.012	+ 0.000 V/C
# 64 Harding & Wills	C xxxxx	0.800	C xxxxx	0.800	+ 0.000 V/C
# 65 Harding Bl & Estates Dr	C xxxxx	0.720	C xxxxx	0.720	+ 0.000 V/C
# 66 Harding Bl & Lead Hill Bl	C xxxxx	0.796	C xxxxx	0.796	+ 0.000 V/C
# 67 Harding Bl & Roseville Square	B xxxxx	0.625	B xxxxx	0.625	+ 0.000 V/C
# 68 Junction & Stonecrest/Magenta	A xxxxx	0.508	A xxxxx	0.508	+ 0.000 V/C
# 69 Junction Bl & Americana Dr	A xxxxx	0.586	A xxxxx	0.586	+ 0.000 V/C
# 70 Junction Bl & Baseline Rd	D xxxxx	0.850	D xxxxx	0.850	+ 0.000 V/C
# 71 Junction Bl & Country Club Dr	C xxxxx	0.728	C xxxxx	0.728	+ 0.000 V/C
# 72 Junction Bl & Park Regency Dr	B xxxxx	0.606	B xxxxx	0.606	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 73 Junction Bl & Porter Dr	B xxxxx	0.679	B xxxxx	0.679	+ 0.000 V/C
# 74 Junction Bl & Revere Dr	B xxxxx	0.625	B xxxxx	0.625	+ 0.000 V/C
# 75 Junction Bl & Washington Bl	E xxxxx	0.964	E xxxxx	0.964	+ 0.000 V/C
# 76 Junction Bl & Woodcreek Oaks B	B xxxxx	0.667	B xxxxx	0.667	+ 0.000 V/C
# 77 Lead Hill Bl & N Sunrise Av	C xxxxx	0.748	C xxxxx	0.748	+ 0.000 V/C
# 78 Lead Hill Bl & Rocky Ridge Dr	B xxxxx	0.634	B xxxxx	0.634	+ 0.000 V/C
# 79 Lead Hill Bl & Wal-Mart	A xxxxx	0.403	A xxxxx	0.403	+ 0.000 V/C
# 80 N Sunrise Av & Automall Dr	A xxxxx	0.526	A xxxxx	0.526	+ 0.000 V/C
# 81 N Sunrise Av & Stone Point Dr	A xxxxx	0.596	A xxxxx	0.596	+ 0.000 V/C
# 82 N. Sunrise & Sierra Gardens	B xxxxx	0.627	B xxxxx	0.627	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A xxxxx	0.196	A xxxxx	0.196	+ 0.000 V/C
# 84 PFE & Hilltop	A xxxxx	0.444	A xxxxx	0.444	+ 0.000 V/C
# 85 Pleasant Grove & Fairway	E xxxxx	0.959	E xxxxx	0.959	+ 0.000 V/C
# 86 Pleasant Grove & Fiddymment	F xxxxx	1.050	F xxxxx	1.050	+ 0.000 V/C
# 87 Pleasant Grove & Gold Coast/Ha	D xxxxx	0.807	D xxxxx	0.807	+ 0.000 V/C
# 88 Pleasant Grove & Highland Park	A xxxxx	0.570	A xxxxx	0.570	+ 0.000 V/C
# 89 Pleasant Grove & Market	A xxxxx	0.579	A xxxxx	0.579	+ 0.000 V/C
# 90 Pleasant Grove & Michener	C xxxxx	0.790	C xxxxx	0.790	+ 0.000 V/C
# 91 Pleasant Grove & Monument	A xxxxx	0.483	A xxxxx	0.483	+ 0.000 V/C
# 92 Pleasant Grove & Rose Creek	C xxxxx	0.799	C xxxxx	0.799	+ 0.000 V/C
# 93 Pleasant Grove & Roseville Pkw	F xxxxx	1.192	F xxxxx	1.192	+ 0.000 V/C
# 94 Pleasant Grove & Sun City	C xxxxx	0.705	C xxxxx	0.705	+ 0.000 V/C
# 95 Pleasant Grove & Wal-Mart/High	D xxxxx	0.828	D xxxxx	0.828	+ 0.000 V/C
# 96 Pleasant Grove & Washington	E xxxxx	0.909	E xxxxx	0.909	+ 0.000 V/C
# 97 Pleasant Grove Bl & Country Cl	B xxxxx	0.617	B xxxxx	0.617	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 98 Pleasant Grove Bl & Woodcreek	D xxxxx	0.856	D xxxxx	0.856	+ 0.000 V/C
# 99 Rocky Ridge Dr & Maidu Dr	A xxxxx	0.599	A xxxxx	0.599	+ 0.000 V/C
#100 Rocky Ridge Dr & McLaren Dr	A xxxxx	0.496	A xxxxx	0.496	+ 0.000 V/C
#101 Rocky Ridge Dr & Professional	B xxxxx	0.670	B xxxxx	0.670	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A xxxxx	0.263	A xxxxx	0.263	+ 0.000 V/C
#103 Roseville Parkway & Chase	D xxxxx	0.823	D xxxxx	0.823	+ 0.000 V/C
#104 Roseville Parkway & Creekside	D xxxxx	0.802	D xxxxx	0.802	+ 0.000 V/C
#105 Roseville Parkway & Gibson	D xxxxx	0.838	D xxxxx	0.838	+ 0.000 V/C
#106 Roseville Parkway & N. Sunrise	E xxxxx	0.920	E xxxxx	0.920	+ 0.000 V/C
#107 Roseville Parkway & Reserve	D xxxxx	0.815	D xxxxx	0.815	+ 0.000 V/C
#108 Roseville Parkway & Secret Rav	C xxxxx	0.743	C xxxxx	0.743	+ 0.000 V/C
#109 Roseville Parkway & Taylor	D xxxxx	0.828	D xxxxx	0.828	+ 0.000 V/C
#110 Roseville Parkway & West Mall	A xxxxx	0.593	A xxxxx	0.593	+ 0.000 V/C
#111 Roseville Pw & Alexandra Dr	B xxxxx	0.609	B xxxxx	0.609	+ 0.000 V/C
#112 Roseville Pw & Eureka Rd	B xxxxx	0.679	B xxxxx	0.679	+ 0.000 V/C
#113 Roseville Pw & Lead Hill/Orvie	B xxxxx	0.653	B xxxxx	0.653	+ 0.000 V/C
#114 Roseville Pw & N Cirby Wy	A xxxxx	0.504	A xxxxx	0.504	+ 0.000 V/C
#115 Roseville Pw & Olympus Dr	B xxxxx	0.611	B xxxxx	0.611	+ 0.000 V/C
#116 Roseville Pw & Rocky Ridge Dr	A xxxxx	0.598	A xxxxx	0.598	+ 0.000 V/C
#117 Roseville Pw & Sierra College	C xxxxx	0.796	C xxxxx	0.796	+ 0.000 V/C
#118 Roseville Pw & Trestle Rd	B xxxxx	0.646	B xxxxx	0.646	+ 0.000 V/C
#119 Roseville Pw & Village/Slate C	A xxxxx	0.522	A xxxxx	0.522	+ 0.000 V/C
#120 Roseville Pw & Washington Bl	C xxxxx	0.744	C xxxxx	0.744	+ 0.000 V/C
#121 S Cirby Wy & Champion Oaks Dr	A xxxxx	0.526	A xxxxx	0.526	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#122 S Cirby Wy & Old Auburn Rd	C xxxxx	0.746	C xxxxx	0.746	+ 0.000 V/C
#123 Secret Ravine & Scarborough/ P	A xxxxx	0.329	A xxxxx	0.329	+ 0.000 V/C
#124 Sierra College & Miners Ravine	A xxxxx	0.448	A xxxxx	0.448	+ 0.000 V/C
#125 Sierra College & Secret Ravine	A xxxxx	0.595	A xxxxx	0.595	+ 0.000 V/C
#126 Sierra College Bl & Eureka Rd	A xxxxx	0.563	A xxxxx	0.563	+ 0.000 V/C
#127 Sierra College Bl & Indigo Cre	C xxxxx	0.789	C xxxxx	0.789	+ 0.000 V/C
#128 Sierra College Bl & Old Auburn	C xxxxx	0.788	C xxxxx	0.788	+ 0.000 V/C
#129 Sierra College Bl & Olympus Dr	A xxxxx	0.551	A xxxxx	0.551	+ 0.000 V/C
#130 Stanford Ranch & Fairway	B xxxxx	0.665	B xxxxx	0.665	+ 0.000 V/C
#131 Stanford Ranch & Five Star	B xxxxx	0.630	B xxxxx	0.630	+ 0.000 V/C
#132 Stanford Ranch & Highland Park	A xxxxx	0.545	A xxxxx	0.545	+ 0.000 V/C
#133 Sunrise & Coloma	C xxxxx	0.739	C xxxxx	0.739	+ 0.000 V/C
#134 Sunrise & Sandringham/Kensingt	D xxxxx	0.871	D xxxxx	0.871	+ 0.000 V/C
#135 Sunrise & Sun Tree/Kensington	C xxxxx	0.703	C xxxxx	0.703	+ 0.000 V/C
#136 Sunrise Av & Frances Dr	B xxxxx	0.613	B xxxxx	0.613	+ 0.000 V/C
#137 Sunrise Av & Oak Ridge Dr	A xxxxx	0.462	A xxxxx	0.462	+ 0.000 V/C
#138 Washington & Diamond Oaks	C xxxxx	0.757	C xxxxx	0.757	+ 0.000 V/C
#139 Washington & Sawtell/Derek	D xxxxx	0.802	D xxxxx	0.802	+ 0.000 V/C
#140 Washington Bl & Hallissy Dr	A xxxxx	0.453	A xxxxx	0.453	+ 0.000 V/C
#141 Woodcreek Oaks & Baseline	E xxxxx	0.916	E xxxxx	0.916	+ 0.000 V/C
#142 Woodcreek Oaks & Canevari/Arse	B xxxxx	0.687	B xxxxx	0.687	+ 0.000 V/C
#143 Woodcreek Oaks & Horncastle	A xxxxx	0.569	A xxxxx	0.569	+ 0.000 V/C
#144 Woodcreek Oaks & Mcanally	C xxxxx	0.713	C xxxxx	0.713	+ 0.000 V/C
#145 Woodcreek Oaks & Trailee	A xxxxx	0.482	A xxxxx	0.482	+ 0.000 V/C
#146 SR 65 N/B Off & Blue Oaks Blvd	B xxxxx	0.666	B xxxxx	0.666	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#147 Washington Blvd & Blue Oaks Bl	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
#148 I-80 WB Off & Douglas Blvd	C xxxxx	0.793	C xxxxx	0.793	+ 0.000 V/C
#149 I-80 WB On & Atlantic St	A xxxxx	0.555	A xxxxx	0.555	+ 0.000 V/C
#150 SR 65 N/B Off & Pleasant Grove	C xxxxx	0.762	C xxxxx	0.762	+ 0.000 V/C
#151 SR 65 S/B Off & Pleasant Grove	C xxxxx	0.716	C xxxxx	0.716	+ 0.000 V/C
#152 I-80 WB Off & Riverside Ave	B xxxxx	0.629	B xxxxx	0.629	+ 0.000 V/C
#153 Stanford Ranch & Sr-65 N/B On	D xxxxx	0.860	D xxxxx	0.860	+ 0.000 V/C
#154 Stanford Ranch/Galleria & Sr-6	D xxxxx	0.826	D xxxxx	0.826	+ 0.000 V/C
#155 Taylor & Eureka I-80 EB Off	E xxxxx	0.959	E xxxxx	0.959	+ 0.000 V/C
#156 Fairway & Highland Park	A xxxxx	0.553	A xxxxx	0.553	+ 0.000 V/C
#157 I-80 EB Off/Orlando & Riversid	E xxxxx	0.910	E xxxxx	0.910	+ 0.000 V/C
#158 Roseville Rkwy & Old Auburn	A xxxxx	0.405	A xxxxx	0.405	+ 0.000 V/C
#159 Washington Blvd & Industrial	B xxxxx	0.665	B xxxxx	0.665	+ 0.000 V/C
#160 Foothills Blvd & HP Far South/	C xxxxx	0.708	C xxxxx	0.708	+ 0.000 V/C
#161 Blue Oaks Blvd & Wood Meadow	C xxxxx	0.716	C xxxxx	0.716	+ 0.000 V/C
#162 Gibson Rd & New Convention Cen	B xxxxx	0.687	B xxxxx	0.687	+ 0.000 V/C
#163 Blue Oaks Blvd & Westbrook Blv	A xxxxx	0.583	A xxxxx	0.583	+ 0.000 V/C
#164 Blue Oaks Blvd & Hayden Pkwy	A xxxxx	0.513	A xxxxx	0.513	+ 0.000 V/C
#165 Fiddymment Rd & Westhills Dr	D xxxxx	0.894	D xxxxx	0.894	+ 0.000 V/C
#166 Pleasant Grove Blvd & Westbroo	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
#167 Fiddymment Rd & Westlake Dr	A xxxxx	0.400	A xxxxx	0.400	+ 0.000 V/C
#168 Woodcreek Oaks Blvd & Northpar	A xxxxx	0.314	A xxxxx	0.314	+ 0.000 V/C
#169 Woodcreek Oaks Blvd & Parkside	A xxxxx	0.444	A xxxxx	0.444	+ 0.000 V/C
#170 Industrial Ave & Alantown Dr	D xxxxx	0.819	D xxxxx	0.819	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#171 Roseville Pkwy & Gibson West	D xxxxx	0.850	D xxxxx	0.850	+ 0.000 V/C
#172 Washington Blvd & All America	A xxxxx	0.570	A xxxxx	0.570	+ 0.000 V/C
#173 Cirby & Cottonwood	A xxxxx	0.441	A xxxxx	0.441	+ 0.000 V/C
#174 Secret Ravine & Alexandra	A xxxxx	0.208	A xxxxx	0.208	+ 0.000 V/C
#175 Fiddymment Rd & Fiddymment Ranch	A xxxxx	0.519	A xxxxx	0.519	+ 0.000 V/C
#176 Douglas Bl & I-80 EB On	C xxxxx	0.735	C xxxxx	0.735	+ 0.000 V/C
#177 Santucci Blvd & Pleasant Grove	A xxxxx	0.563	A xxxxx	0.563	+ 0.000 V/C
#178 Santucci Blvd & Federico Dr	A xxxxx	0.406	A xxxxx	0.406	+ 0.000 V/C
#179 Santucci Blvd & Vista Glen Blv	A xxxxx	0.391	A xxxxx	0.391	+ 0.000 V/C
#180 Watt Ave & Baseline Rd	C xxxxx	0.787	C xxxxx	0.787	+ 0.000 V/C
#181 Westbrook Blvd & Federico Dr	A xxxxx	0.362	A xxxxx	0.362	+ 0.000 V/C
#182 Westbrook Blvd & Vista Glen Bl	B xxxxx	0.695	B xxxxx	0.695	+ 0.000 V/C
#183 Westbrook Blvd & Baseline Rd	C xxxxx	0.794	C xxxxx	0.794	+ 0.000 V/C
#184 Market St & Vista Glen Blvd	A xxxxx	0.387	A xxxxx	0.387	+ 0.000 V/C
#185 Market St & Baseline Rd	B xxxxx	0.624	B xxxxx	0.624	+ 0.000 V/C
#186 Pleasant Grove Blvd & Upland D	A xxxxx	0.541	A xxxxx	0.541	+ 0.000 V/C
#187 Upland Dr & Vista Glen Blvd	A xxxxx	0.424	A xxxxx	0.424	+ 0.000 V/C
#188 Upland Dr & Baseline Rd	A xxxxx	0.580	A xxxxx	0.580	+ 0.000 V/C
#189 Baseline Rd & CMU3 Entrance	A xxxxx	0.559	A xxxxx	0.559	+ 0.000 V/C
#190 Westbrook Blvd & Sierra Villag	A xxxxx	0.492	A xxxxx	0.492	+ 0.000 V/C
#191 Vista Glen Blvd & Road 2A	A xxxxx	0.248	A xxxxx	0.248	+ 0.000 V/C
#192 Vista Glen Blvd & SV NS Coll 5	A xxxxx	0.341	A xxxxx	0.341	+ 0.000 V/C
#193 Santucci Blvd & SV CC5 CC6	A xxxxx	0.328	A xxxxx	0.328	+ 0.000 V/C
#194 Santucci Blvd & Sierra Village	A xxxxx	0.411	A xxxxx	0.411	+ 0.000 V/C
#195 Vista Glen Blvd & Road 1	A xxxxx	0.054	A xxxxx	0.054	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#196 Westbrook Blvd & Sierra Glen D	A xxxxx	0.259	A xxxxx	0.259	+ 0.000 V/C
#197 Baseline Rd & SV CC2	B xxxxx	0.663	B xxxxx	0.663	+ 0.000 V/C
#198 Baseline Rd & SV CCBP2	A xxxxx	0.591	A xxxxx	0.591	+ 0.000 V/C
#199 Baseline Rd & SV CC4	C xxxxx	0.753	C xxxxx	0.753	+ 0.000 V/C
#200 Westbrook Blvd & Parkway One	A xxxxx	0.243	A xxxxx	0.243	+ 0.000 V/C
#201 Westbrook Blvd & Nobo Dr	A xxxxx	0.131	A xxxxx	0.131	+ 0.000 V/C
#202 Blue Oaks Blvd & Nobo Dr	A xxxxx	0.474	A xxxxx	0.474	+ 0.000 V/C
#203 Santucci Blvd & Road E	A xxxxx	0.403	A xxxxx	0.403	+ 0.000 V/C
#204 Westbrook Blvd & Road E	A xxxxx	0.268	A xxxxx	0.268	+ 0.000 V/C
#205 Pleasant Grove Blvd & Road 1	A xxxxx	0.400	A xxxxx	0.400	+ 0.000 V/C
#1001 Riverside Av & Darling Wy	B xxxxx	0.637	B xxxxx	0.637	+ 0.000 V/C
#1002 Vernon & Douglas/Riverside	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
#1003 Vernon & Grant	A xxxxx	0.568	A xxxxx	0.568	+ 0.000 V/C
#1004 Vernon & Judah	A xxxxx	0.596	A xxxxx	0.596	+ 0.000 V/C
#1005 Vernon & Lincoln	E xxxxx	0.987	E xxxxx	0.987	+ 0.000 V/C
#1006 Washington & Main	D xxxxx	0.840	D xxxxx	0.840	+ 0.000 V/C
#1007 Washington & Oak	C xxxxx	0.742	C xxxxx	0.742	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

NP25 PM Thu Sep 19, 2013 08:52:08 Page 3-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1 Atlantic & Tiger/Center

Cycle (sec): 120 Critical Vol./Cap.(X): 0.480
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:	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:	17	1	22	64	4	18	20	1141	42	13	1083	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:	17	1	22	64	4	18	20	1141	42	13	1083	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:	17	1	22	64	4	18	20	1141	42	13	1083	169
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	1	22	64	4	18	20	1141	42	13	1083	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:	17	1	22	64	4	18	20	1141	42	13	1083	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:	1.00	0.04	0.96	0.94	0.06	1.00	1.00	1.93	0.07	1.00	2.00	1.00
Final Sat.:	1450	63	1387	1365	85	1450	1450	2797	103	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.02	0.05	0.05	0.01	0.01	0.41	0.41	0.01	0.37	0.12
Crit Volume:	23			68				592		13		
Crit Moves:	***			***				***		***		

NP25 PM Thu Sep 19, 2013 08:52:08 Page 4-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #2 Atlantic & Wills

Cycle (sec): 120 Critical Vol./Cap.(X): 0.764
Loss Time (sec): 9 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:	Permitted	Permitted	Protected	Protected
Rights:	Ovl	Ignore	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 1 1 0

Volume Module:

Base Vol:	89	0	677	0	0	0	0	938	285	328	1340	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:	89	0	677	0	0	0	0	938	285	328	1340	1
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:	89	0	677	0	0	0	0	938	285	328	1340	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	0	677	0	0	0	0	938	285	328	1340	1
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:	89	0	677	0	0	0	0	938	285	328	1340	1

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	1.99	0.01
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	2998	2

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.45	0.00	0.00	0.00	0.00	0.31	0.19	0.22	0.45	0.45
Crit Volume:	677	0						469		0		
Crit Moves:	***							***		***		

NP25 PM Thu Sep 19, 2013 08:52:08 Page 5-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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): 0.689
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:	Permitted	Permitted	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	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	389	0	262	137	867	0	0	1015	378
Growth Adj:	1.00	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	389	0	262	137	867	0	0	1015	378
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	389	0	262	137	867	0	0	1015	378
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	389	0	262	137	867	0	0	1015	378
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	389	0	262	137	867	0	0	1015	378

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	0.26	0.00	0.17	0.09	0.29	0.00	0.00	0.34	0.25
Crit Volume:	0	0	0	389	0	262	137	867	0	0	508	625
Crit Moves:	0	0	0	0	0	0	0	0	0	0	0	0

NP25 PM Thu Sep 19, 2013 08:52:08 Page 6-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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): 0.990
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	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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	166	892	321	361	1051	159	666	1222	105	550	1875	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:	166	892	321	361	1051	159	666	1222	105	550	1875	355
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:	166	892	321	361	1051	0	666	1222	105	550	1875	355
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	166	892	321	361	1051	0	666	1222	105	550	1875	355
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:	166	892	321	361	1051	0	666	1222	105	550	1875	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:	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:	0.06	0.21	0.22	0.12	0.24	0.00	0.23	0.28	0.07	0.19	0.43	0.24
Crit Volume:	297	181	333	625	625	0	625	625	0	625	625	625
Crit Moves:	0	0	0	0	0	0	0	0	0	0	0	0

NP25 PM Thu Sep 19, 2013 08:52:08 Page 7-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #5 Blue Oaks & Crocker Ranch

Cycle (sec): 100 Critical Vol./Cap.(X): 0.688
Loss Time (sec): 0 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:	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	2 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	181	0	28	35	1372	0	0	2721	334
Growth Adj:	1.00	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	181	0	28	35	1372	0	0	2721	334
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	181	0	28	35	1372	0	0	2721	334
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	181	0	28	35	1372	0	0	2721	334
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	181	0	28	35	1372	0	0	2721	334

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	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.02	0.02	0.30	0.00	0.00	0.60	0.22
Crit Volume:	0	0	0	91	0	0	35	0	0	0	907	0
Crit Moves:	0	0	0	91	0	0	35	0	0	0	907	0

NP25 PM Thu Sep 19, 2013 08:52:08 Page 8-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #6 Blue Oaks & Del Webb

Cycle (sec): 120 Critical Vol./Cap.(X): 0.625
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:	Permitted	Permitted	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:	23	0	73	0	0	0	0	1287	35	167	2742	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:	23	0	73	0	0	0	0	1287	35	167	2742	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:	23	0	73	0	0	0	0	1287	35	167	2742	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	0	73	0	0	0	0	1287	35	167	2742	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:	23	0	73	0	0	0	0	1287	35	167	2742	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:	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.29	0.02	0.11	0.61	0.00
Crit Volume:	23	0	0	0	0	0	0	914	0	0	914	0
Crit Moves:	23	0	0	0	0	0	0	914	0	0	914	0

NP25 PM Thu Sep 19, 2013 08:52:08 Page 9-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #7 Blue Oaks & Fiddymment

Cycle (sec): 120 Critical Vol./Cap.(X): 0.761
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	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 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	31	898	569	125	672	377	263	555	36	813	1365	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:	31	898	569	125	672	377	263	555	36	813	1365	146
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:	31	898	0	125	672	377	263	555	0	813	1365	146
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	898	0	125	672	377	263	555	0	813	1365	146
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:	31	898	0	125	672	377	263	555	0	813	1365	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:	0.01	0.31	0.00	0.04	0.23	0.26	0.09	0.13	0.00	0.28	0.31	0.10
Crit Volume:	449			63			185			407		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 10-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #8 Blue Oaks & New Meadow

Cycle (sec): 100 Critical Vol./Cap.(X): 0.704
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 77 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:	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	1 1 0 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0	0	0	111	0	25	27	2212	0	0	3894	585
Growth Adj:	1.00	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	111	0	25	27	2212	0	0	3894	585
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	111	0	25	27	2212	0	0	3894	585
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	111	0	25	27	2212	0	0	3894	585
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	111	0	25	27	2212	0	0	3894	585

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	1.00	1.00	2.00	0.00	1.00	1.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1500	1500	1500	3000	0	1500	1500	6000	1500	1500	6000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.02	0.02	0.37	0.00	0.00	0.65	0.39
Crit Volume:	0			56			27			974		
Crit Moves:				****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 11-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #9 Blue Oaks & Orchard View

Cycle (sec): 100 Critical Vol./Cap.(X): 0.621
Loss Time (sec): 0 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:	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 0 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	143	0	1	1	1220	1	0	2361	242
Growth Adj:	1.00	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	143	0	1	1	1220	1	0	2361	242
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	143	0	1	1	1220	1	0	2361	242
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	143	0	1	1	1220	1	0	2361	242
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	143	0	1	1	1220	1	0	2361	242

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.27	0.00	0.00	0.52	0.16
Crit Volume:	0	143	1	787								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:09 Page 12-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #10 Blue Oaks Bl & Diamond Creek Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.959
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:	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	1 0 1 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	233	116	58	291	17	200	96	1302	31	26	2597	206
Growth Adj:	1.00	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	116	58	291	17	200	96	1302	31	26	2597	206
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	116	58	291	17	200	96	1302	31	26	2597	206
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	233	116	58	291	17	200	96	1302	31	26	2597	206
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	233	116	58	291	17	200	96	1302	31	26	2597	206

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.34	0.66	1.00	1.14	0.07	0.79	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1936	964	1450	1661	97	1142	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.12	0.04	0.18	0.18	0.18	0.07	0.30	0.02	0.02	0.60	0.14
Crit Volume:	175	254	96	866								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:09 Page 13-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #11 Blue Oaks Bl & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 1.349
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			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:	3	0	2	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	854	443	454	327	835	1040	253	1666	354	189	2525	126
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	854	443	454	327	835	1040	253	1666	354	189	2525	126
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:	854	443	0	327	835	1040	253	1666	354	189	2525	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	854	443	0	327	835	1040	253	1666	354	189	2525	126
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:	854	443	0	327	835	1040	253	1666	354	189	2525	126

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	4.00	1.00	2.00	4.00	1.00
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.29	0.15	0.00	0.11	0.19	0.72	0.09	0.29	0.24	0.07	0.44	0.09
Crit Volume:	285			1040			0			631		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 14-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #12 Blue Oaks Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.689
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			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

Volume Module:

Base Vol:	122	219	380	162	170	34	93	1374	196	930	2465	333
Growth Adj:	1.00	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	219	380	162	170	34	93	1374	196	930	2465	333
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	122	219	380	162	170	34	93	1374	196	930	2465	333
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	122	219	380	162	170	34	93	1374	196	930	2465	333
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	122	219	380	162	170	34	93	1374	196	930	2465	333

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.04	0.08	0.26	0.06	0.06	0.02	0.03	0.24	0.14	0.32	0.43	0.23
Crit Volume:	109			81			344			465		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 15-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #13 Cirby & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 1.088
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	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 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	866	1003	198	240	1497	234	394	835	510	457	653	138
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	866	1003	198	240	1497	234	394	835	510	457	653	138
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	866	1003	198	240	1497	234	394	835	510	457	653	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	866	1003	198	240	1497	234	394	835	510	457	653	138
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	866	1003	198	240	1497	234	394	835	510	457	653	138

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.30	0.35	0.14	0.08	0.34	0.16	0.14	0.29	0.35	0.16	0.23	0.10
Crit Volume:	433			499			418			229		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 16-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #14 Cirby Wy & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 1.114
Loss Time (sec): 9 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	Permitted	Permitted
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:	0 0 2 0 1	2 0 1 0 0	0 0 0 0 0	2 0 0 0 2

Volume Module:

Base Vol:	0	713	485	1983	602	0	0	0	0	647	0	2402
Growth Adj:	1.00	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	713	485	1983	602	0	0	0	0	647	0	2402
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	713	0	1983	602	0	0	0	0	647	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	713	0	1983	602	0	0	0	0	647	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:	0	713	0	1983	602	0	0	0	0	647	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:	0.00	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	3000

Capacity Analysis Module:

Vol/Sat:	0.00	0.24	0.00	0.66	0.40	0.00	0.00	0.00	0.00	0.22	0.00	0.00
Crit Volume:	357			991			0			324		
Crit Moves:	****			****						****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 17-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #15 Cirby Wy & Melody Ln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.617
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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 3 0 0

Volume Module:

Base Vol:	0	0	263	0	0	0	0	2210	9	372	2647	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	263	0	0	0	0	2210	9	372	2647	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:	0	0	0	0	0	0	0	2210	9	372	2647	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	2210	9	372	2647	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:	0	0	0	0	0	0	0	2210	9	372	2647	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	0.00	0.00	2.99	0.01	2.00	3.00	0.00
Final Sat.:	0	0	1500	0	0	0	0	4482	18	3000	4500	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.12	0.59	0.00
Crit Volume:	0	0	0	0	0	0	740	186	0	0	0
Crit Moves:	0	0	0	0	0	0	740	186	0	0	0

NP25 PM Thu Sep 19, 2013 08:52:09 Page 18-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #16 Cirby Wy & Northridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.935
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:	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	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	2	1	13	16	1	7	14	2174	9	15	2594	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:	2	1	13	16	1	7	14	2174	9	15	2594	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:	2	1	13	16	1	7	14	2174	9	15	2594	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1	13	16	1	7	14	2174	9	15	2594	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:	2	1	13	16	1	7	14	2174	9	15	2594	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:	0.12	0.06	0.82	0.94	0.06	1.00	1.00	1.99	0.01	1.00	1.98	0.02
Final Sat.:	181	91	1178	1365	85	1450	1450	2888	12	1450	2875	25

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.75	0.75	0.01	0.90	0.90
Crit Volume:	16	17	14	1309								
Crit Moves:	16	17	14	1309								

NP25 PM Thu Sep 19, 2013 08:52:09 Page 19-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #17 Cirby Wy & Oak Ridge Dr

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:	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	1	1	0	1

Volume Module:

Base Vol:	9	14	51	170	163	191	61	1067	40	176	1142	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:	9	14	51	170	163	191	61	1067	40	176	1142	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:	9	14	51	170	163	191	61	1067	40	176	1142	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	14	51	170	163	191	61	1067	40	176	1142	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:	9	14	51	170	163	191	61	1067	40	176	1142	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:	0.12	0.19	0.69	0.51	0.49	1.00	1.00	1.93	0.07	1.00	1.96	0.04
Final Sat.:	182	284	1034	766	734	1500	1500	2892	108	1500	2946	54

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.22	0.22	0.13	0.04	0.37	0.37	0.12	0.39	0.39
Crit Volume:	9			333			554		176			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:09 Page 20-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #18 Cirby Wy & Orlando Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.889
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:	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	0	1	1	0	2	0

Volume Module:

Base Vol:	49	3	456	5	7	5	45	1643	217	292	1574	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:	49	3	456	5	7	5	45	1643	217	292	1574	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:	49	3	456	5	7	5	45	1643	217	292	1574	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	3	456	5	7	5	45	1643	217	292	1574	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:	49	3	456	5	7	5	45	1643	217	292	1574	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:	0.94	0.06	1.00	0.42	0.58	1.00	1.00	2.00	1.00	2.00	1.99	0.01
Final Sat.:	1366	84	1450	604	846	1450	1450	2900	1450	2900	2894	6

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.31	0.01	0.01	0.00	0.03	0.57	0.15	0.10	0.54	0.54
Crit Volume:	456		12	822		0						
Crit Moves:	****		****	****		****						

NP25 PM Thu Sep 19, 2013 08:52:09 Page 21-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #19 Cirby Wy & Parkview Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.534
Loss Time (sec): 9 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	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:	23	1	17	26	0	13	23	1041	7	11	1341	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:	23	1	17	26	0	13	23	1041	7	11	1341	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:	23	1	17	26	0	13	23	1041	7	11	1341	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	1	17	26	0	13	23	1041	7	11	1341	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:	23	1	17	26	0	13	23	1041	7	11	1341	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:	0.57	0.02	0.41	1.00	0.00	1.00	1.00	1.99	0.01	1.00	1.96	0.04
Final Sat.:	813	35	601	1450	0	1450	1450	2881	19	1450	2841	59

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.02	0.00	0.01	0.02	0.36	0.36	0.01	0.47	0.47
Crit Volume:	41	26	23	685								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:09 Page 22-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #20 Cirby Wy & Riverside Av

Cycle (sec): 120 Critical Vol./Cap.(X): 1.156
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	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 3 0 1	2 0 3 0 2	2 0 2 0 1

Volume Module:

Base Vol:	1215	469	321	329	849	235	228	1280	1202	95	1343	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:	1215	469	321	329	849	235	228	1280	1202	95	1343	195
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1215	469	321	329	849	235	228	1280	1202	95	1343	195
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1215	469	321	329	849	235	228	1280	1202	95	1343	195
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00
FinalVolume:	1215	469	321	329	849	235	228	1280	1322	95	1343	195

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.42	0.16	0.22	0.11	0.20	0.16	0.08	0.29	0.46	0.03	0.46	0.13
Crit Volume:	608	283	114	672								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:09 Page 23-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #21 Cirby Wy & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.644
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:	Permitted	Permitted	Split Phase	Split Phase
Rights:	Include	Ignore	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 1 0 0 1	1 1 0 1 0	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	674	0	800	551	424	0	0	608	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:	0	0	0	674	0	800	551	424	0	0	608	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:	0	0	0	674	0	0	551	424	0	0	608	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	674	0	0	551	424	0	0	608	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:	0	0	0	674	0	0	551	424	0	0	608	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	1.70	1.30	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	2543	1957	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.22	0.00	0.00	0.22	0.22	0.00	0.00	0.20	0.00
Crit Volume:	0	0	0	337	0	0	325	0	0	0	304	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:09 Page 24-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #22 Cirby Wy & San Simeon Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.648
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:	Permitted	Permitted	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 2 1 0	1 0 2 0 0

Volume Module:

Base Vol:	80	0	38	0	0	0	0	1632	472	53	1784	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	38	0	0	0	0	1632	472	53	1784	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	38	0	0	0	0	1632	472	53	1784	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	0	38	0	0	0	0	1632	472	53	1784	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	38	0	0	0	0	1632	472	53	1784	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	2.33	0.67	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3490	1010	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.47	0.47	0.04	0.59	0.00
Crit Volume:	80	0	0	0	0	0	0	892	0	892	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:09 Page 25-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #23 Cirby Wy & Vernon St

Cycle (sec): 120 Critical Vol./Cap.(X): 1.293
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	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	2 0 1 0 1	2 0 1 1 0	2 0 2 0 1

Volume Module:

Base Vol:	37	109	100	79	104	637	351	2130	23	58	2401	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:	37	109	100	79	104	637	351	2130	23	58	2401	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:	37	109	100	79	104	637	351	2130	23	58	2401	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	109	100	79	104	637	351	2130	23	58	2401	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:	37	109	100	79	104	637	351	2130	23	58	2401	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:	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.98	0.02	2.00	2.00	1.00
Final Sat.:	1450	1450	1450	2900	1450	1450	2900	2869	31	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.08	0.07	0.03	0.07	0.44	0.12	0.74	0.74	0.02	0.83	0.04
Crit Volume:	37			637		0				1200		
Crit Moves:	****			****		****				****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 26-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #24 Douglas & Eureka

Cycle (sec): 120 Critical Vol./Cap.(X): 0.666
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:	Include	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 2 1 0	3 0 2 1 0	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	451	744	21	692	660	66	152	1085	278	63	1212	580
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	451	744	21	692	660	66	152	1085	278	63	1212	580
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	451	744	21	692	660	66	152	1085	278	63	1212	580
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	451	744	21	692	660	66	152	1085	278	63	1212	580
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	451	744	21	692	660	66	152	1085	278	63	1212	580

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	2.92	0.08	3.00	2.73	0.27	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4231	119	4350	3955	395	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.18	0.18	0.16	0.17	0.17	0.05	0.25	0.19	0.02	0.28	0.00
Crit Volume:	255	231		76						404		
Crit Moves:	****	****		****						****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 27-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #25 Douglas & Rocky Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.827
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	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 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	294	553	136	265	1038	237	239	1175	188	195	1758	180
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	294	553	136	265	1038	237	239	1175	188	195	1758	180
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:	294	553	136	265	1038	237	239	1175	0	195	1758	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	294	553	136	265	1038	237	239	1175	0	195	1758	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:	294	553	136	265	1038	237	239	1175	0	195	1758	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:	0.10	0.13	0.09	0.09	0.24	0.16	0.08	0.27	0.00	0.07	0.40	0.00
Crit Volume:	147			346			120			586		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 28-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #26 Douglas & Santa Clara

Cycle (sec): 120 Critical Vol./Cap.(X): 0.701
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 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	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 1 0 1	1 1 0 0 1	1 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	89	64	80	129	95	163	133	1494	61	171	2046	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:	89	64	80	129	95	163	133	1494	61	171	2046	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	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:	89	64	80	129	95	163	133	1494	61	171	2046	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	64	80	129	95	163	133	1494	61	171	2046	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:	89	64	80	129	95	163	133	1494	61	171	2046	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	1.15	0.85	1.00	1.00	2.88	0.12	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1670	1230	1450	1450	4179	171	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.04	0.06	0.08	0.08	0.11	0.09	0.36	0.36	0.12	0.47	0.00
Crit Volume:	89			112			133			682		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 29-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #27 Douglas & Sierra Gardens

Cycle (sec): 120 Critical Vol./Cap.(X): 0.685
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:	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 0 1 0 0	1 0 1 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	124	59	41	212	82	14	36	1525	129	52	2075	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:	124	59	41	212	82	14	36	1525	129	52	2075	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	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	124	59	41	212	82	14	36	1525	129	52	2075	122
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	124	59	41	212	82	14	36	1525	129	52	2075	122
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	124	59	41	212	82	14	36	1525	129	52	2075	122

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.11	0.53	0.36	1.38	0.53	0.09	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1605	764	531	1996	772	132	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.11	0.11	0.11	0.02	0.35	0.09	0.04	0.48	0.08
Crit Volume:	112			154			36				692	
Crit Moves:	****			****			****				****	

NP25 PM Thu Sep 19, 2013 08:52:09 Page 30-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #28 Douglas & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.902
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:	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 2 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 1 0

Volume Module:

Base Vol:	425	432	264	241	883	573	361	1486	231	166	2002	87
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	425	432	264	241	883	573	361	1486	231	166	2002	87
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	425	432	264	241	883	573	361	1486	231	166	2002	87
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	425	432	264	241	883	573	361	1486	231	166	2002	87
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	425	432	264	241	883	573	361	1486	231	166	2002	87

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	2.00	3.83	0.17
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	5558	242

Capacity Analysis Module:

Vol/Sat:	0.15	0.15	0.18	0.08	0.20	0.40	0.12	0.34	0.16	0.06	0.36	0.36
Crit Volume:	212			573			0			522		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 31-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #29 Douglas & Target

Cycle (sec): 120 Critical Vol./Cap.(X): 0.689
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:	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 2 1 0	1 0 2 1 0

Volume Module:

Base Vol:	133	2	51	101	2	72	42	1489	136	74	2165	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:	133	2	51	101	2	72	42	1489	136	74	2165	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:	133	2	51	101	2	72	42	1489	136	74	2165	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	2	51	101	2	72	42	1489	136	74	2165	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:	133	2	51	101	2	72	42	1489	136	74	2165	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	0.04	0.96	1.00	0.03	0.97	1.00	2.75	0.25	1.00	2.99	0.01
Final Sat.:	1450	55	1395	1450	39	1411	1450	3986	364	1450	4346	4

Capacity Analysis Module:

Vol/Sat:	0.09	0.04	0.04	0.07	0.05	0.05	0.03	0.37	0.37	0.05	0.50	0.50
Crit Volume:	133			101			42			722		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 32-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #30 Douglas Bl & E Roseville Pw

Cycle (sec): 120 Critical Vol./Cap.(X): 0.737
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	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	3 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	156	689	40	708	885	88	138	1229	328	120	1602	840
Growth Adj:	1.00	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	689	40	708	885	88	138	1229	328	120	1602	840
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	689	40	708	885	88	138	1229	328	120	1602	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	689	40	708	885	88	138	1229	328	120	1602	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:	156	689	40	708	885	88	138	1229	328	120	1602	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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.16	0.03	0.16	0.20	0.06	0.05	0.28	0.23	0.04	0.37	0.00
Crit Volume:	230			236			69			534		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:09 Page 33-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #31 Douglas Bl & Folsom Rd

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	1 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	3	4	9	404	5	70	50	1078	0	11	1118	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:	3	4	9	404	5	70	50	1078	0	11	1118	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:	3	4	9	404	5	70	50	1078	0	11	1118	168
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	4	9	404	5	70	50	1078	0	11	1118	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:	3	4	9	404	5	70	50	1078	0	11	1118	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:	0.19	0.25	0.56	1.98	0.02	1.00	1.00	2.00	0.00	1.00	1.74	0.26
Final Sat.:	272	363	816	2865	35	1450	1450	2900	0	1450	2521	379

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.14	0.14	0.05	0.03	0.37	0.00	0.01	0.44	0.44
Crit Volume:	16	204		50							643	
Crit Moves:	****	****		****							****	

NP25 PM Thu Sep 19, 2013 08:52:09 Page 34-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #32 Douglas Bl & Harding Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.972
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:	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:	33	28	82	1070	27	279	290	1146	20	66	1076	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:	33	28	82	1070	27	279	290	1146	20	66	1076	506
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:	33	28	0	1070	27	279	290	1146	20	66	1076	506
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	33	28	0	1070	27	279	290	1146	20	66	1076	506
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:	33	28	0	1070	27	279	290	1146	20	66	1076	506

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.95	0.05	1.00	1.00	1.97	0.03	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2829	71	1450	1450	2850	50	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.00	0.38	0.38	0.19	0.20	0.40	0.40	0.05	0.37	0.35
Crit Volume:	33			549			290				538	
Crit Moves:	****			****			****				****	

NP25 PM Thu Sep 19, 2013 08:52:09 Page 35-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #33 Douglas Bl & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.507
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:	Split Phase	Split Phase	Permitted	Permitted
Rights:	Include	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:	0 0 1! 0 0	1 0 1! 0 0	0 1 0 1 0	0 0 1 0 1

Volume Module:

Base Vol:	0	0	0	462	0	30	1	481	0	0	513	427
Growth Adj:	1.00	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	462	0	30	1	481	0	0	513	427
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:	0	0	0	462	0	30	1	481	0	0	513	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	462	0	30	1	481	0	0	513	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	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:	0	0	0	462	0	30	2	481	0	0	513	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	1.00	0.00	1.88	0.00	0.12	0.01	1.99	0.00	0.00	1.00	1.00
Final Sat.:	0	1500	0	2817	0	183	12	2988	0	0	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.16	0.00	0.16	0.08	0.16	0.00	0.00	0.34	0.00
Crit Volume:	0	0	0	246	0	0	1	0	0	0	513	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:09 Page 36-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #34 Douglas Bl & Keehner Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.494
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:	Permitted	Permitted	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:	35	0	156	0	0	0	0	973	59	190	970	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	0	156	0	0	0	0	973	59	190	970	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:	35	0	156	0	0	0	0	973	59	190	970	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	0	156	0	0	0	0	973	59	190	970	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:	35	0	156	0	0	0	0	973	59	190	970	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	1.89	0.11	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2828	172	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.10	0.00	0.00	0.00	0.00	0.34	0.34	0.13	0.32	0.00
Crit Volume:	35	0	0	0	0	0	0	516	190	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:09 Page 37-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #35 Douglas Bl & Park Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.418
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:	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 0 0 1 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	13	0	10	74	7	14	0	963	20	18	913	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	0	10	74	7	14	0	963	20	18	913	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	0	10	74	7	14	0	963	20	18	913	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	0	10	74	7	14	0	963	20	18	913	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:	13	0	10	74	7	14	0	963	20	18	913	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:	0.57	0.00	0.43	1.00	0.33	0.67	0.00	1.96	0.04	1.00	2.00	0.00
Final Sat.:	820	0	630	1450	483	967	0	2841	59	1450	2900	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.05	0.01	0.01	0.00	0.34	0.34	0.01	0.31	0.00
Crit Volume:	23	74	492	18	492	18	492	18	492	18	492	18
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

NP25 PM Thu Sep 19, 2013 08:52:09 Page 38-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #36 Douglas Bl & Sierra College Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.863
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 166 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	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 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	507	794	242	210	840	121	217	1673	603	319	1442	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:	507	794	242	210	840	121	217	1673	603	319	1442	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	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:	507	794	242	210	840	121	217	1673	603	319	1442	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	507	794	242	210	840	121	217	1673	603	319	1442	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:	507	794	242	210	840	121	217	1673	603	319	1442	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:	0.17	0.18	0.17	0.07	0.19	0.08	0.07	0.38	0.42	0.11	0.33	0.00
Crit Volume:	254	280	558	160	254	280	558	160	254	280	558	160
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

NP25 PM Thu Sep 19, 2013 08:52:09 Page 39-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #37 Eureka & Lead Hill

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	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:	198 1423	75 129 1236	87 49 165 142	49 230 190
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	198 1423	75 129 1236	87 49 165 142	49 230 190
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:	198 1423	0 129 1236	0 49 165 0	49 230 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	198 1423	0 129 1236	0 49 165 0	49 230 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:	198 1423	0 129 1236	0 49 165 0	49 230 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:	0.14 0.33 0.00	0.09 0.28 0.00	0.03 0.06 0.00	0.03 0.08 0.00
Crit Volume:	198	412	49	115
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:09 Page 40-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #38 Eureka & N. Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.755
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 93 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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 4 0 1

Volume Module:

Base Vol:	543 541 223	187 518 224	328 1839 492	182 2306 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:	543 541 223	187 518 224	328 1839 492	182 2306 62
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:	543 541 0	187 518 0	328 1839 0	182 2306 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	543 541 0	187 518 0	328 1839 0	182 2306 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:	543 541 0	187 518 0	328 1839 0	182 2306 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 3.00 1.00	2.00 3.00 1.00	2.00 3.00 1.00	2.00 4.00 1.00
Final Sat.:	4350 4350 1450	2900 4350 1450	2900 4350 1450	2900 5800 1450

Capacity Analysis Module:

Vol/Sat:	0.12 0.12 0.00	0.06 0.12 0.00	0.11 0.42 0.00	0.06 0.40 0.00
Crit Volume:	181	173	164	577
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:09 Page 41-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #39 Eureka & Rocky Ridge

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:	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	2 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	67 1620	53 173 1435	383 389 361	32 126 324	135
Growth Adj:	1.00 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 1620	53 173 1435	383 389 361	32 126 324	135
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 1620	0 173 1435	0 389 361	0 126 324	0
Reduct Vol:	0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	67 1620	0 173 1435	0 389 361	0 126 324	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 1620	0 173 1435	0 389 361	0 126 324	0

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.05 0.37	0.00 0.12 0.33	0.00 0.13 0.12	0.00 0.09 0.11	0.00
Crit Volume:	540	173	195	162	
Crit Moves:	****	****	****	****	

NP25 PM Thu Sep 19, 2013 08:52:09 Page 42-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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): 0.440
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	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 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 2 0 1

Volume Module:

Base Vol:	19 0 40	9 2 2	29 1058	20 48 694	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:	19 0 40	9 2 2	29 1058	20 48 694	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:	19 0 40	9 2 2	29 1058	20 48 694	27
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	19 0 40	9 2 2	29 1058	20 48 694	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:	19 0 40	9 2 2	29 1058	20 48 694	27

Saturation Flow Module:

Sat/Lane:	1450 1450	1450 1450 1450	1450 1450	1450 1450	1450
Adjustment:	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 0.82 0.18	1.00 1.00 1.96	0.04 1.00 2.00	1.00
Final Sat.:	1450 0 1450	1186 264 1450	1450 2846	54 1450 2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01 0.00	0.03 0.01 0.01	0.00 0.02 0.37	0.37 0.03 0.24	0.02
Crit Volume:	40	11	539	48	
Crit Moves:	****	****	****	****	

NP25 PM Thu Sep 19, 2013 08:52:09 Page 43-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #41 Eureka Rd & Deer Valley Apts

Cycle (sec): 120 Critical Vol./Cap.(X): 0.405
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	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 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	0 1 0 0 1

Volume Module:

Base Vol:	5	937	33	79	1087	11	11	1	3	11	1	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:	5	937	33	79	1087	11	11	1	3	11	1	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:	5	937	33	79	1087	11	11	1	3	11	1	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	937	33	79	1087	11	11	1	3	11	1	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:	5	937	33	79	1087	11	11	1	3	11	1	35

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.98	0.02	1.00	0.25	0.75	0.92	0.08	1.00
Final Sat.:	1450	2801	99	1450	2871	29	1450	363	1088	1329	121	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.33	0.33	0.05	0.38	0.38	0.01	0.00	0.00	0.01	0.01	0.02
Crit Volume:		485	79				11				12	
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

NP25 PM Thu Sep 19, 2013 08:52:09 Page 44-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #42 Fairway & Central Park/Lowes

Cycle (sec): 120 Critical Vol./Cap.(X): 0.527
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:	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 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	208	23	58	28	12	70	160	860	126	191	937	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:	208	23	58	28	12	70	160	860	126	191	937	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:	208	23	58	28	12	70	160	860	126	191	937	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	208	23	58	28	12	70	160	860	126	191	937	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:	208	23	58	28	12	70	160	860	126	191	937	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	0.20	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2611	289	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.04	0.02	0.01	0.05	0.11	0.30	0.09	0.13	0.32	0.02
Crit Volume:	116			28			430			191		
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

NP25 PM Thu Sep 19, 2013 08:52:09 Page 45-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #43 Fairway & Cortina Circle

Cycle (sec): 100 Critical Vol./Cap.(X): 0.456
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:	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 0 1	1 0 2 0 1	1 1 0 0 1	1 0 0 1 0

Volume Module:

Base Vol:	88	595	58	25	860	90	155	2	112	14	1	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:	88	595	58	25	860	90	155	2	112	14	1	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:	88	595	58	25	860	90	155	2	112	14	1	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	595	58	25	860	90	155	2	112	14	1	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:	88	595	58	25	860	90	155	2	112	14	1	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	1.00	1.00	2.00	1.00	1.97	0.03	1.00	1.00	0.03	0.97
Final Sat.:	1450	2900	1450	1450	2900	1450	2863	37	1450	1450	47	1403

Capacity Analysis Module:

Vol/Sat:	0.06	0.21	0.04	0.02	0.30	0.06	0.05	0.05	0.08	0.01	0.02	0.02
Crit Volume:	88			430			112		31			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:09 Page 46-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #44 Fairway & Five Star

Cycle (sec): 120 Critical Vol./Cap.(X): 0.444
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	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 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	488	9	21	76	11	17	19	556	324	31	548	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:	488	9	21	76	11	17	19	556	324	31	548	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:	488	9	21	76	11	17	19	556	324	31	548	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	488	9	21	76	11	17	19	556	324	31	548	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:	488	9	21	76	11	17	19	556	324	31	548	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:	1.96	0.04	1.00	0.87	0.13	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2847	53	1450	1267	183	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.17	0.01	0.06	0.06	0.01	0.01	0.19	0.22	0.02	0.19	0.04
Crit Volume:	249			87			278		31			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:09 Page 47-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #45 Fairway & Home Depot

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:	Split Phase	Split Phase	Protected	Protected
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:	0 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	80	2	45	6	2	80	67	862	69	51	1030	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:	80	2	45	6	2	80	67	862	69	51	1030	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:	80	2	45	6	2	80	67	862	69	51	1030	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	2	45	6	2	80	67	862	69	51	1030	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:	80	2	45	6	2	80	67	862	69	51	1030	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:	0.98	0.02	1.00	0.75	0.25	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1415	35	1450	1088	363	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.03	0.01	0.01	0.06	0.05	0.30	0.05	0.04	0.36	0.00
Crit Volume:	82			80		67					515	
Crit Moves:	****			****		****					****	

NP25 PM Thu Sep 19, 2013 08:52:09 Page 48-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #46 Fairway & Target/Rosehall

Cycle (sec): 120 Critical Vol./Cap.(X): 0.439
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:	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 1 0 0 1	0 0 1! 0 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	115	2	53	28	2	7	35	925	65	79	680	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:	115	2	53	28	2	7	35	925	65	79	680	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:	115	2	53	28	2	7	35	925	65	79	680	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	115	2	53	28	2	7	35	925	65	79	680	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:	115	2	53	28	2	7	35	925	65	79	680	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:	1.97	0.03	1.00	0.76	0.05	0.19	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2850	50	1450	1097	78	274	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.32	0.04	0.05	0.23	0.01
Crit Volume:	59			37		463			79			
Crit Moves:	****			****		****			****			

NP25 PM Thu Sep 19, 2013 08:52:09 Page 49-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #47 Fiddymment & Del Webb/Village Green

Cycle (sec): 120 Critical Vol./Cap.(X): 0.656
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	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 2 0 1	1 0 2 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	17	1309	77	41	1087	297	131	37	7	53	124	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:	17	1309	77	41	1087	297	131	37	7	53	124	103
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:	17	1309	77	41	1087	0	131	37	7	53	124	103
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	1309	77	41	1087	0	131	37	7	53	124	103
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:	17	1309	77	41	1087	0	131	37	7	53	124	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:	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.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.45	0.05	0.03	0.37	0.00	0.09	0.03	0.00	0.04	0.09	0.07
Crit Volume:	655	41	131	124								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:09 Page 50-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #48 Fiddymment & Hayden Pkwy North

Cycle (sec): 100 Critical Vol./Cap.(X): 0.510
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:	1 0 2 0 1	1 0 2 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	88	900	124	129	906	114	30	10	37	150	15	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:	88	900	124	129	906	114	30	10	37	150	15	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:	88	900	124	129	906	114	30	10	37	150	15	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	900	124	129	906	114	30	10	37	150	15	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:	88	900	124	129	906	114	30	10	37	150	15	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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.31	0.09	0.09	0.31	0.08	0.02	0.01	0.03	0.10	0.01	0.03
Crit Volume:	450	129	10	150								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:10 Page 51-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #49 Fiddymment & Hayden Pkwy South

Cycle (sec): 100 Critical Vol./Cap.(X): 0.601
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: Protected Protected 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: 1 0 2 0 0 0 0 2 0 1 1 0 0 0 1 0 0 0 0 0 0

Volume Module:
Base Vol: 145 1443 0 0 1376 120 68 0 68 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: 145 1443 0 0 1376 120 68 0 68 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: 145 1443 0 0 1376 120 68 0 68 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 145 1443 0 0 1376 120 68 0 68 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: 145 1443 0 0 1376 120 68 0 68 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 0.48 0.00 0.00 0.46 0.08 0.05 0.00 0.05 0.00 0.00 0.00
Crit Volume: 145 688 68 0
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 52-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #50 Foothills & Baseline/Main

Cycle (sec): 120 Critical Vol./Cap.(X): 0.862
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 165 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: 2 0 3 0 1 1 0 4 0 1 2 0 2 0 1 1 0 3 0 1

Volume Module:
Base Vol: 966 1352 66 121 1674 251 314 528 607 66 573 90
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 966 1352 66 121 1674 251 314 528 607 66 573 90
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 966 1352 66 121 1674 251 314 528 607 66 573 90
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 966 1352 66 121 1674 251 314 528 607 66 573 90
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 966 1352 66 121 1674 251 314 528 607 66 573 90

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

Capacity Analysis Module:
Vol/Sat: 0.33 0.31 0.05 0.08 0.29 0.17 0.11 0.18 0.42 0.05 0.13 0.06
Crit Volume: 483 418 157 191
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 53-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #51 Foothills & Misty Wood/Nec

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 2 1 0	1 0 2 1 0	0 1 0 0 1	1 1 0 0 1

Volume Module:

Base Vol:	18	657	395	23	1968	57	18	8	53	180	3	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:	18	657	395	23	1968	57	18	8	53	180	3	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:	18	657	395	23	1968	57	18	8	53	180	3	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	657	395	23	1968	57	18	8	53	180	3	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:	18	657	395	23	1968	57	18	8	53	180	3	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	2.00	1.00	1.00	2.92	0.08	0.69	0.31	1.00	1.97	0.03	1.00
Final Sat.:	1450	2900	1450	1450	4228	122	1004	446	1450	2852	48	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.23	0.27	0.02	0.47	0.47	0.02	0.02	0.04	0.06	0.06	0.02
Crit Volume:	0			675			53		92			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:10 Page 54-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #52 Foothills Bl & Albertsons Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.653
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:	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:	1 0 3 0 1	1 0 3 0 1	1 1 0 0 1	1 0 1 0 1

Volume Module:

Base Vol:	104	1215	65	34	1179	165	513	6	324	190	6	92
Growth Adj:	1.00	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	1215	65	34	1179	165	513	6	324	190	6	92
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:	104	1215	65	34	1179	165	513	6	0	190	6	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	104	1215	65	34	1179	165	513	6	0	190	6	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:	104	1215	65	34	1179	165	513	6	0	190	6	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	1.98	0.02	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	2866	34	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.28	0.04	0.02	0.27	0.11	0.18	0.18	0.00	0.13	0.00	0.00
Crit Volume:	104			393			260		190			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:10 Page 55-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #53 Foothills Bl & Atkinson Rd

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 Permitted Permitted
Rights: Ovl 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: 0 0 3 0 1 1 0 3 0 0 0 0 0 0 0 1 1 0 0 0 1

Volume Module:
Base Vol: 0 2487 60 0 2161 0 0 0 0 22 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 2487 60 0 2161 0 0 0 0 22 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 0.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
PHF Volume: 0 2487 60 0 2161 0 0 0 0 22 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 2487 60 0 2161 0 0 0 0 22 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 0.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 0.00 1.00 1.00 0.00
FinalVolume: 0 2487 60 0 2161 0 0 0 0 22 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: 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 4500 1500 1500 4500 0 0 0 0 1500 0 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.55 0.04 0.00 0.48 0.00 0.00 0.00 0.00 0.01 0.00 0.00
Crit Volume: 829 0 0 0 0 0 0 0 0 22 0 0
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 56-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #54 Foothills Bl & Roseville Pkwy/HP Central

Cycle (sec): 120 Critical Vol./Cap.(X): 0.843
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 146 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 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 3 0 1 0 1

Volume Module:
Base Vol: 27 419 454 577 1256 3 50 405 217 611 138 845
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 27 419 454 577 1256 3 50 405 217 611 138 845
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: 27 419 454 577 1256 0 50 405 0 611 138 845
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 27 419 454 577 1256 0 50 405 0 611 138 845
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: 27 419 454 577 1256 0 50 405 0 611 138 845

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 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 3.00 1.00 1.00
Final Sat.: 2900 2900 1450 2900 2900 1450 2900 2900 1450 4350 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.01 0.14 0.31 0.20 0.43 0.00 0.02 0.14 0.00 0.14 0.10 0.58
Crit Volume: 13 628 25 845
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 57-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #55 Foothills Bl & HP South

Cycle (sec): 120 Critical Vol./Cap.(X): 0.540
Loss Time (sec): 9 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			Permitted			Permitted		
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	0	1	0	1	1	0	0	1	1

Volume Module:

Base Vol:	4	805	38	65	2044	0	15	2	1	144	2	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:	4	805	38	65	2044	0	15	2	1	144	2	181
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	805	38	65	2044	0	15	2	1	144	2	181
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	805	38	65	2044	0	15	2	1	144	2	181
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	4	805	38	65	2044	0	15	2	1	144	2	181

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	3.00	0.00	1.76	0.24	1.00	1.97	0.03	1.00
Final Sat.:	1500	3000	1500	1500	4500	0	2647	353	1500	2959	41	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.27	0.03	0.04	0.45	0.00	0.01	0.01	0.00	0.05	0.05	0.12
Crit Volume:	4			681			9			181		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 58-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #56 Foothills Bl & Junction Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.843
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 145 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			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:	255	1396	103	362	1637	444	233	368	116	358	1299	135
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	255	1396	103	362	1637	444	233	368	116	358	1299	135
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:	255	1396	0	362	1637	0	233	368	116	358	1299	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	255	1396	0	362	1637	0	233	368	116	358	1299	135
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:	255	1396	0	362	1637	0	233	368	116	358	1299	135

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.09	0.32	0.00	0.12	0.38	0.00	0.08	0.13	0.08	0.12	0.30	0.09
Crit Volume:	128			546			117			433		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 59-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #57 Foothills Bl & Mcanally Dr

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			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:	275	1466	94	16	2222	189	96	19	138	67	18	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:	275	1466	94	16	2222	189	96	19	138	67	18	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:	275	1466	94	16	2222	189	96	19	138	67	18	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	275	1466	94	16	2222	189	96	19	138	67	18	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	275	1466	94	16	2222	189	96	19	138	67	18	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	2.82	0.18	1.00	2.76	0.24	0.83	0.17	1.00	0.79	0.21	1.00
Final Sat.:	1450	4088	262	1450	4009	341	1210	240	1450	1143	307	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.36	0.36	0.01	0.55	0.55	0.08	0.08	0.10	0.06	0.06	0.02
Crit Volume:	275			804			115			85		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 60-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #58 Foothills Bl & Pleasant Grove Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.996
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			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	2	0	4	2	0	3	3	0	3

Volume Module:

Base Vol:	340	658	703	173	1645	482	420	1371	109	752	1960	93
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	340	658	703	173	1645	482	420	1371	109	752	1960	93
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:	340	658	0	173	1645	0	420	1371	0	752	1960	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	340	658	0	173	1645	0	420	1371	0	752	1960	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:	340	658	0	173	1645	0	420	1371	0	752	1960	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	4.00	1.00	2.00	3.00	1.00	3.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	5800	1450	2900	4350	1450	4350	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.15	0.00	0.06	0.28	0.00	0.14	0.32	0.00	0.17	0.45	0.00
Crit Volume:	170			411			210			653		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 61-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #59 Foothills Blvd & Rand/Pilgrims

Cycle (sec): 120 Critical Vol./Cap.(X): 0.594
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	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	1 0 2 1 0	0 0 1! 0 0	0 0 1! 0 0

Volume Module:

Base Vol:	45	1875	42	29	2091	54	33	0	23	23	0	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:	45	1875	42	29	2091	54	33	0	23	23	0	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:	45	1875	42	29	2091	54	33	0	23	23	0	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	1875	42	29	2091	54	33	0	23	23	0	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:	45	1875	42	29	2091	54	33	0	23	23	0	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:	1.00	2.93	0.07	1.00	2.92	0.08	0.59	0.00	0.41	0.50	0.00	0.50
Final Sat.:	1450	4255	95	1450	4240	110	854	0	596	725	0	725

Capacity Analysis Module:

Vol/Sat:	0.03	0.44	0.44	0.02	0.49	0.49	0.04	0.00	0.04	0.03	0.00	0.03
Crit Volume:	45			715			56		46			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:10 Page 62-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #60 Foothills Bl & Vineyard Rd

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	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	1 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	372	2365	65	80	2168	97	96	77	142	185	341	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:	372	2365	65	80	2168	97	96	77	142	185	341	121
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:	372	2365	0	80	2168	97	96	77	142	185	341	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	372	2365	0	80	2168	97	96	77	142	185	341	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:	372	2365	0	80	2168	97	96	77	142	185	341	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	2.87	0.13	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4164	186	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.54	0.00	0.03	0.52	0.52	0.07	0.03	0.10	0.06	0.12	0.00
Crit Volume:	186			755			96		171			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:10 Page 63-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #61 Galleria & Antelope Creek

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	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:	75	1865	151	292	1850	154	254	55	122	305	68	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:	75	1865	151	292	1850	154	254	55	122	305	68	244
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:	75	1865	0	292	1850	154	254	55	0	305	68	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1865	0	292	1850	154	254	55	0	305	68	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:	75	1865	0	292	1850	154	254	55	0	305	68	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:	0.03	0.43	0.00	0.10	0.43	0.11	0.06	0.04	0.00	0.07	0.05	0.00
Crit Volume:	622	146		85	102							
Crit Moves:	****	****		****	****					****	****	

NP25 PM Thu Sep 19, 2013 08:52:10 Page 64-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #62 Galleria & Berry

Cycle (sec): 120 Critical Vol./Cap.(X): 0.848
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 150 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	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 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	175	1620	1	15	1925	268	89	0	140	2	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:	175	1620	1	15	1925	268	89	0	140	2	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:	175	1620	1	15	1925	268	89	0	140	2	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	175	1620	1	15	1925	268	89	0	140	2	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:	175	1620	1	15	1925	268	89	0	140	2	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	1.99	0.01	1.00	2.00	1.00	1.00	0.00	1.00	0.67	0.33	1.00
Final Sat.:	1450	2898	2	1450	2900	1450	1450	0	1450	967	483	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.56	0.56	0.01	0.66	0.18	0.06	0.00	0.10	0.00	0.00	0.00
Crit Volume:	175	963	89									3
Crit Moves:	****	****	****									****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 65-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #63 Galleria & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 1.012
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	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 3 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	600	923	32	1044	991	335	613	1702	814	230	2021	640
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	600	923	32	1044	991	335	613	1702	814	230	2021	640
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:	600	923	0	1044	991	0	613	1702	0	230	2021	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	600	923	0	1044	991	0	613	1702	0	230	2021	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:	600	923	0	1044	991	0	613	1702	0	230	2021	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	3.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.21	0.21	0.00	0.24	0.23	0.00	0.21	0.29	0.00	0.08	0.35	0.00
Crit Volume:	308	348		307	505							
Crit Moves:	****	****		****	****							

NP25 PM Thu Sep 19, 2013 08:52:10 Page 66-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #64 Harding & Wills

Cycle (sec): 120 Critical Vol./Cap.(X): 0.800
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 114 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	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 1 1 0	1 0 2 0 1	2 0 0 1 0	1 0 1 0 1

Volume Module:

Base Vol:	150	1179	4	11	1591	439	543	3	156	13	18	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:	150	1179	4	11	1591	439	543	3	156	13	18	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:	150	1179	4	11	1591	439	543	3	156	13	18	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	150	1179	4	11	1591	439	543	3	156	13	18	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:	150	1179	4	11	1591	439	543	3	156	13	18	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:	2.00	1.99	0.01	1.00	2.00	1.00	2.00	0.02	0.98	1.00	1.00	1.00
Final Sat.:	2900	2890	10	1450	2900	1450	2900	27	1423	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.41	0.01	0.55	0.30	0.19	0.11	0.11	0.01	0.01	0.01
Crit Volume:	75	796	272	18								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:10 Page 67-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #65 Harding Bl & Estates Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.720
Loss Time (sec): 12 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	Split Phase	Split Phase
Rights:	Include	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 1 1 0	1 0 1 1 0	1 0 1! 0 0	0 1 0 0 1

Volume Module:

Base Vol:	70	832	0	43	1230	298	228	14	60	18	6	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	832	0	43	1230	298	228	14	60	18	6	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	832	0	43	1230	298	228	14	60	18	6	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	832	0	43	1230	298	228	14	60	18	6	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:	70	832	0	43	1230	298	228	14	60	18	6	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:	1.00	2.00	0.00	1.00	1.61	0.39	1.51	0.09	0.40	0.75	0.25	1.00
Final Sat.:	1450	2900	0	1450	2334	566	2189	134	576	1088	363	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.29	0.00	0.03	0.53	0.53	0.10	0.10	0.10	0.02	0.02	0.04
Crit Volume:	70			764			151					59
Crit Moves:	****			****			****					****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 68-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #66 Harding Bl & Lead Hill Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.796
Loss Time (sec): 9 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	Permitted
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	2 0 2 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0	688	425	873	889	0	0	0	0	665	0	613
Growth Adj:	1.00	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	688	425	873	889	0	0	0	0	665	0	613
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	688	425	873	889	0	0	0	0	665	0	613
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	688	425	873	889	0	0	0	0	665	0	613
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	688	425	873	889	0	0	0	0	665	0	613

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	0.23	0.28	0.29	0.30	0.00	0.00	0.00	0.00	0.22	0.00	0.41
Crit Volume:		425	436				0			333		
Crit Moves:		****	****							****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 69-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #67 Harding Bl & Roseville Square

Cycle (sec): 120 Critical Vol./Cap.(X): 0.625
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:	Protected			Protected			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:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	89	728	40	25	1111	105	123	16	78	101	7	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:	89	728	40	25	1111	105	123	16	78	101	7	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:	89	728	40	25	1111	105	123	16	78	101	7	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	728	40	25	1111	105	123	16	78	101	7	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:	89	728	40	25	1111	105	123	16	78	101	7	45

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	1.90	0.10	1.00	1.83	0.17	0.88	0.12	1.00	0.94	0.06	1.00
Final Sat.:	1500	2844	156	1500	2741	259	1327	173	1500	1403	97	1500

Capacity Analysis Module:

Vol/Sat:	0.06	0.26	0.26	0.02	0.41	0.41	0.09	0.09	0.05	0.07	0.07	0.03
Crit Volume:	89			608			139			101		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 70-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #68 Junction & Stonecrest/Magenta

Cycle (sec): 120 Critical Vol./Cap.(X): 0.508
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:	Permitted			Permitted			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	2	1	0	2

Volume Module:

Base Vol:	5	8	8	187	9	57	25	437	1	3	1075	527
Growth Adj:	1.00	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	8	8	187	9	57	25	437	1	3	1075	527
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	8	8	187	9	57	25	437	1	3	1075	527
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	8	8	187	9	57	25	437	1	3	1075	527
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	8	8	187	9	57	25	437	1	3	1075	527

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:	0.38	0.62	1.00	0.95	0.05	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	577	923	1500	1431	69	1500	1500	3000	1500	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.13	0.13	0.04	0.02	0.15	0.00	0.00	0.36	0.35
Crit Volume:	13			187			25			538		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 71-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #69 Junction Bl & Americana Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.586
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			Permitted			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	0	2	0	1

Volume Module:

Base Vol:	37	0	73	0	0	0	0	607	27	217	1684	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	73	0	0	0	0	607	27	217	1684	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	73	0	0	0	0	607	27	217	1684	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	0	73	0	0	0	0	607	27	217	1684	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	73	0	0	0	0	607	27	217	1684	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	0.05	0.00	0.00	0.00	0.00	0.20	0.02	0.14	0.56	0.00
Crit Volume:	37			0				0			842	
Crit Moves:	****							****			****	

NP25 PM Thu Sep 19, 2013 08:52:10 Page 72-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #70 Junction Bl & Baseline Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.850
Loss Time (sec): 9 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:	Permitted			Permitted			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:	0	0	0	0	0	0	1	0	0	2	0	1

Volume Module:

Base Vol:	0	0	0	52	0	1102	523	1373	0	0	1338	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	0	0	52	0	1102	523	1373	0	0	1338	100
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	52	0	1102	523	1373	0	0	1338	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	52	0	1102	523	1373	0	0	1338	100
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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	52	0	1212	523	1373	0	0	1338	100

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.40	0.17	0.46	0.00	0.00	0.45	0.07
Crit Volume:	0			606		0		669			669	
Crit Moves:				****		****		****			****	

NP25 PM Thu Sep 19, 2013 08:52:10 Page 73-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #71 Junction Bl & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.728
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 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: 208 191 39 41 112 54 32 420 81 198 1252 48
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 208 191 39 41 112 54 32 420 81 198 1252 48
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 208 191 39 41 112 54 32 420 81 198 1252 48
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 208 191 39 41 112 54 32 420 81 198 1252 48
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 208 191 39 41 112 54 32 420 81 198 1252 48

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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 0.67 0.33 1.00 1.68 0.32 1.00 1.93 0.07
Final Sat.: 1450 1204 246 1450 978 472 1450 2431 469 1450 2793 107

Capacity Analysis Module:
Vol/Sat: 0.14 0.16 0.16 0.03 0.11 0.11 0.02 0.17 0.17 0.14 0.45 0.45
Crit Volume: 208 166 32 650
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 74-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #72 Junction Bl & Park Regency Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.606
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 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 2 0 1

Volume Module:
Base Vol: 6 5 43 43 4 23 38 583 8 119 1584 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: 6 5 43 43 4 23 38 583 8 119 1584 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: 6 5 43 43 4 23 38 583 8 119 1584 61
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 6 5 43 43 4 23 38 583 8 119 1584 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: 6 5 43 43 4 23 38 583 8 119 1584 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: 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 2900 1450 1450 2900 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.03 0.03 0.00 0.02 0.03 0.20 0.01 0.08 0.55 0.04
Crit Volume: 5 43 38 792
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 75-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #73 Junction Bl & Porter Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.679
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:	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:	19	17	128	11	9	23	36	628	103	169	1770	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:	19	17	128	11	9	23	36	628	103	169	1770	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:	19	17	128	11	9	23	36	628	103	169	1770	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	17	128	11	9	23	36	628	103	169	1770	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:	19	17	128	11	9	23	36	628	103	169	1770	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:	0.53	0.47	1.00	0.55	0.45	1.00	1.00	1.72	0.28	1.00	1.98	0.02
Final Sat.:	765	685	1450	798	653	1450	1450	2491	409	1450	2876	24

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.09	0.01	0.01	0.02	0.02	0.25	0.25	0.12	0.62	0.62
Crit Volume:	36			20			36			893		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 76-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #74 Junction Bl & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.625
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:	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 0 0 0	0 0 1! 0 0	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	89	0	7	10	543	0	0	1608	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:	0	0	0	89	0	7	10	543	0	0	1608	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:	0	0	0	89	0	7	10	543	0	0	1608	69
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	89	0	7	10	543	0	0	1608	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:	0	0	0	89	0	7	10	543	0	0	1608	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:	0.00	0.00	0.00	0.93	0.00	0.07	1.00	2.00	0.00	0.00	1.92	0.08
Final Sat.:	0	0	0	1391	0	109	1500	3000	0	0	2877	123

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.06	0.01	0.18	0.00	0.00	0.56	0.56
Crit Volume:	0			89			10				839	
Crit Moves:				****			****				****	

NP25 PM Thu Sep 19, 2013 08:52:10 Page 77-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #75 Junction Bl & Washington Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.964
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:	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:	1071	541	1	3	1012	856	338	2	384	3	4	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:	1071	541	1	3	1012	856	338	2	384	3	4	3
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:	1071	541	1	3	1012	856	338	2	0	3	4	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1071	541	1	3	1012	856	338	2	0	3	4	3
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:	1071	541	1	3	1012	856	338	2	0	3	4	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:	2.00	1.99	0.01	1.00	2.00	1.00	1.99	0.01	1.00	1.00	0.57	0.43
Final Sat.:	2900	2895	5	1450	2900	1450	2883	17	1450	1450	829	621

Capacity Analysis Module:

Vol/Sat:	0.37	0.19	0.19	0.00	0.35	0.59	0.12	0.12	0.00	0.00	0.00	0.00
Crit Volume:	536					856		0				7
Crit Moves:	****					****		****				****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 78-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #76 Junction Bl & Woodcreek Oaks Bl

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	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

Volume Module:

Base Vol:	47	228	70	170	354	758	426	301	27	157	1110	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:	47	228	70	170	354	758	426	301	27	157	1110	189
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:	47	228	0	170	354	0	426	301	0	157	1110	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	228	0	170	354	0	426	301	0	157	1110	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:	47	228	0	170	354	0	426	301	0	157	1110	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	0.06	0.12	0.00	0.15	0.10	0.00	0.05	0.38	0.00
Crit Volume:	114			85			213			555		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 79-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #77 Lead Hill Bl & N Sunrise Av

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	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	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	489	603	123	152	777	174	214	599	626	200	643	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:	489	603	123	152	777	174	214	599	626	200	643	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:	489	603	123	152	777	174	214	599	626	200	643	120
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	489	603	123	152	777	174	214	599	626	200	643	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
FinalVolume:	489	603	123	152	777	174	214	599	626	200	643	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	3.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.14	0.08	0.05	0.18	0.12	0.15	0.21	0.43	0.14	0.22	0.08
Crit Volume:	0			259			626		200			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:10 Page 80-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #78 Lead Hill Bl & Rocky Ridge Dr

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	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	1 0 2 1 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	343	518	131	11	663	104	78	250	481	196	436	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:	343	518	131	11	663	104	78	250	481	196	436	76
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:	343	518	0	11	663	104	78	250	0	196	436	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	343	518	0	11	663	104	78	250	0	196	436	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:	343	518	0	11	663	104	78	250	0	196	436	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	2.59	0.41	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	3760	590	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.24	0.18	0.00	0.01	0.18	0.18	0.05	0.09	0.00	0.14	0.15	0.00
Crit Volume:	343			256			125		196			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:10 Page 81-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #79 Lead Hill Bl & Wal-Mart

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:	Permitted			Permitted			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:	105	0	56	0	0	0	0	733	123	133	824	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:	105	0	56	0	0	0	0	733	123	133	824	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:	105	0	56	0	0	0	0	733	123	133	824	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	105	0	56	0	0	0	0	733	123	133	824	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:	105	0	56	0	0	0	0	733	123	133	824	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:	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.24	0.08	0.09	0.27	0.00
Crit Volume:	105			0				367		133		
Crit Moves:	****							****		****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 82-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #80 N Sunrise Av & Automall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.526
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			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	1	1	0	3	0	1	1
Volume Module:												
Base Vol:	87	667	61	230	740	121	222	14	97	152	20	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:	87	667	61	230	740	121	222	14	97	152	20	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:	87	667	61	230	740	121	222	14	97	152	20	374
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	667	61	230	740	121	222	14	97	152	20	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:	87	667	61	230	740	121	222	14	97	152	20	374
Saturation Flow Module:												
Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.88	0.12	1.00	0.88	0.12	1.00
Final Sat.:	1450	3986	364	1450	4350	1450	2728	172	1450	1281	169	1450
Capacity Analysis Module:												
Vol/Sat:	0.06	0.17	0.17	0.16	0.17	0.08	0.08	0.08	0.07	0.12	0.12	0.26
Crit Volume:	243			230			118			172		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 83-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #81 N Sunrise Av & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.596
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:	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	3	0	1	0	0	0	0	2	0	0

Volume Module:

Base Vol:	0	733	82	397	804	0	0	0	0	49	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	733	82	397	804	0	0	0	0	49	0	253
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	733	82	397	804	0	0	0	0	49	0	253
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	733	82	397	804	0	0	0	0	49	0	253
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	733	82	397	804	0	0	0	0	49	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	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	0.05	0.26	0.18	0.00	0.00	0.00	0.00	0.02	0.00	0.17
Crit Volume:	244			397			0			253		
Crit Moves:	****			****						****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 84-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #82 N. Sunrise & Sierra Gardens

Cycle (sec): 120 Critical Vol./Cap.(X): 0.627
Loss Time (sec): 12 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			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:	81	682	72	247	1247	75	98	21	74	152	14	397
Growth Adj:	1.00	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	682	72	247	1247	75	98	21	74	152	14	397
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	682	72	247	1247	75	98	21	74	152	14	397
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	682	72	247	1247	75	98	21	74	152	14	397
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	81	682	72	247	1247	75	98	21	74	152	14	397

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.81	0.19	1.00	3.00	1.00	0.82	0.18	1.00	0.92	0.08	1.00
Final Sat.:	1450	2623	277	1450	4350	1450	1194	256	1450	1328	122	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.26	0.26	0.17	0.29	0.05	0.08	0.08	0.05	0.11	0.11	0.27
Crit Volume:	377			247			119			166		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 85-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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): 0.196
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	0 0 1 0 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	2	1	5	5	1	8	3	490	14	10	231	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:	2	1	5	5	1	8	3	490	14	10	231	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:	2	1	5	5	1	8	3	490	14	10	231	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1	5	5	1	8	3	490	14	10	231	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:	2	1	5	5	1	8	3	490	14	10	231	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:	0.25	0.12	0.63	0.36	0.07	0.57	1.00	1.94	0.06	1.00	1.88	0.12
Final Sat.:	363	181	906	518	104	829	1450	2819	81	1450	2723	177

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.17	0.17	0.01	0.08	0.08
Crit Volume:	8			14			252			10		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 86-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #84 PFE & Hilltop

Cycle (sec): 100 Critical Vol./Cap.(X): 0.444
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:	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 1 0	1 0 1 1 0

Volume Module:

Base Vol:	5	0	13	127	0	224	83	346	2	5	600	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:	5	0	13	127	0	224	83	346	2	5	600	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:	5	0	13	127	0	224	83	346	2	5	600	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	0	13	127	0	224	83	346	2	5	600	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:	5	0	13	127	0	224	83	346	2	5	600	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	0.00	1.00	1.00	0.00	1.00	1.00	1.99	0.01	1.00	1.81	0.19
Final Sat.:	1450	0	1450	1450	0	1450	1450	2883	17	1450	2624	276

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.09	0.00	0.15	0.06	0.12	0.12	0.00	0.23	0.23
Crit Volume:	5			224			83			332		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 87-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #85 Pleasant Grove & Fairway

Cycle (sec): 120 Critical Vol./Cap.(X): 0.959
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	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:	642	1630	692	150	1048	155	198	350	616	850	294	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:	642	1630	692	150	1048	155	198	350	616	850	294	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:	642	1630	692	150	1048	155	198	350	616	850	294	153
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	642	1630	692	150	1048	155	198	350	616	850	294	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:	642	1630	692	150	1048	155	198	350	616	850	294	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:	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:	0.22	0.37	0.48	0.05	0.24	0.11	0.07	0.12	0.42	0.29	0.10	0.11
Crit Volume:	0			349			616		425			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:10 Page 88-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #86 Pleasant Grove & Fiddymment

Cycle (sec): 120 Critical Vol./Cap.(X): 1.050
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	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	3 0 1 0 1

Volume Module:

Base Vol:	546	1311	902	21	1067	39	58	510	336	1179	865	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:	546	1311	902	21	1067	39	58	510	336	1179	865	28
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	1311	0	21	1067	0	58	510	0	1179	865	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	546	1311	0	21	1067	0	58	510	0	1179	865	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	1311	0	21	1067	0	58	510	0	1179	865	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	3.00	1.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.30	0.00	0.01	0.25	0.00	0.02	0.18	0.00	0.27	0.60	0.00
Crit Volume:	273			356			29			865		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:10 Page 89-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #87 Pleasant Grove & Gold Coast/Hallissy

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: 1 0 1 0 1 1 0 1 0 1 1 0 3 0 1 1 0 3 0 1

Volume Module:
Base Vol: 268 27 22 65 17 15 4 2369 11 96 2305 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: 268 27 22 65 17 15 4 2369 11 96 2305 81
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: 268 27 0 65 17 0 4 2369 0 96 2305 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 268 27 0 65 17 0 4 2369 0 96 2305 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: 268 27 0 65 17 0 4 2369 0 96 2305 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: 0.18 0.02 0.00 0.04 0.01 0.00 0.00 0.54 0.00 0.07 0.53 0.00
Crit Volume: 268 17 790 96
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 90-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #88 Pleasant Grove & Highland Park

Cycle (sec): 120 Critical Vol./Cap.(X): 0.570
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: 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 1 1 0 2 0 0 1 0

Volume Module:
Base Vol: 73 1578 243 96 947 25 14 14 36 338 29 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: 73 1578 243 96 947 25 14 14 36 338 29 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: 73 1578 243 96 947 25 14 14 36 338 29 54
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 73 1578 243 96 947 25 14 14 36 338 29 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: 73 1578 243 96 947 25 14 14 36 338 29 54

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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 1.00 1.00 2.00 0.35 0.65
Final Sat.: 1450 4350 1450 1450 4350 1450 1450 1450 1450 2900 507 943

Capacity Analysis Module:
Vol/Sat: 0.05 0.36 0.17 0.07 0.22 0.02 0.01 0.01 0.02 0.12 0.06 0.06
Crit Volume: 526 96 36 169
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:10 Page 91-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #89 Pleasant Grove & Market

Cycle (sec): 100 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	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

Volume Module:

Base Vol:	10	130	113	67	162	123	76	665	16	125	1133	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:	10	130	113	67	162	123	76	665	16	125	1133	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:	10	130	113	67	162	123	76	665	16	125	1133	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	130	113	67	162	123	76	665	16	125	1133	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:	10	130	113	67	162	123	76	665	16	125	1133	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	1.00	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	0.09	0.08	0.05	0.11	0.08	0.05	0.23	0.01	0.09	0.39	0.03
Crit Volume:	130	67	76	567								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:10 Page 92-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #90 Pleasant Grove & Michener

Cycle (sec): 100 Critical Vol./Cap.(X): 0.790
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:	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:	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	33	0	44	59	1448	0	0	2164	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:	0	0	0	33	0	44	59	1448	0	0	2164	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:	0	0	0	33	0	44	59	1448	0	0	2164	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	33	0	44	59	1448	0	0	2164	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:	0	0	0	33	0	44	59	1448	0	0	2164	2

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	0.02	0.00	0.03	0.04	0.48	0.00	0.00	0.72	0.00
Crit Volume:	0			44		59	1082					
Crit Moves:				****		****	****				****	

NP25 PM Thu Sep 19, 2013 08:52:10 Page 93-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #91 Pleasant Grove & Monument

Cycle (sec): 100 Critical Vol./Cap.(X): 0.483
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:	1 0 1 0 1	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	10	18	19	24	35	35	20	850	11	63	1276	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:	10	18	19	24	35	35	20	850	11	63	1276	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:	10	18	19	24	35	35	20	850	11	63	1276	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	18	19	24	35	35	20	850	11	63	1276	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:	10	18	19	24	35	35	20	850	11	63	1276	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	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.29	0.01	0.04	0.44	0.01
Crit Volume:	18	24	20	638								
Crit Moves:	****	****	****	****								

NP25 PM Thu Sep 19, 2013 08:52:10 Page 94-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #92 Pleasant Grove & Rose Creek

Cycle (sec): 100 Critical Vol./Cap.(X): 0.799
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 93 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:	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 0 0 0	0 0 1! 0 0	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	58	0	24	13	1445	0	0	2126	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:	0	0	0	58	0	24	13	1445	0	0	2126	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	58	0	24	13	1445	0	0	2126	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	58	0	24	13	1445	0	0	2126	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:	0	0	0	58	0	24	13	1445	0	0	2126	81

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	0.71	0.00	0.29	1.00	2.00	0.00	0.00	1.93	0.07
Final Sat.:	0	0	0	1061	0	439	1500	3000	0	0	2890	110

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.05	0.01	0.48	0.00	0.00	0.74	0.74
Crit Volume:	0			82		13					1104	
Crit Moves:				****		****					****	

NP25 PM Thu Sep 19, 2013 08:52:10 Page 95-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #93 Pleasant Grove & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 1.192
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	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:	557	1038	999	407	1146	41	43	1705	727	875	1939	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:	557	1038	999	407	1146	41	43	1705	727	875	1939	265
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:	557	1038	0	407	1146	0	43	1705	0	875	1939	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	557	1038	0	407	1146	0	43	1705	0	875	1939	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:	557	1038	0	407	1146	0	43	1705	0	875	1939	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:	0.13	0.36	0.00	0.14	0.26	0.00	0.01	0.39	0.00	0.30	0.45	0.00
Crit Volume:	519	204		568	438							
Crit Moves:	****	****		****	****							

NP25 PM Thu Sep 19, 2013 08:52:11 Page 96-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #94 Pleasant Grove & Sun City

Cycle (sec): 120 Critical Vol./Cap.(X): 0.705
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 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:	Permitted	Permitted	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 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	104	0	6	12	1350	0	0	1884	272
Growth Adj:	1.00	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	104	0	6	12	1350	0	0	1884	272
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	104	0	6	12	1350	0	0	1884	272
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	104	0	6	12	1350	0	0	1884	272
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	104	0	6	12	1350	0	0	1884	272

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	0.07	0.00	0.00	0.01	0.45	0.00	0.00	0.63	0.18
Crit Volume:	0			104			12				942	
Crit Moves:				****			****				****	

NP25 PM Thu Sep 19, 2013 08:52:11 Page 97-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #95 Pleasant Grove & Wal-Mart/Highland Pointe

Cycle (sec): 120 Critical Vol./Cap.(X): 0.828
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 133 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 1 0	2 0 3 0 1	2 0 1 0 1	2 0 1 0 1

Volume Module:

Base Vol:	342	2696	40	80	2373	284	468	6	434	173	5	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:	342	2696	40	80	2373	284	468	6	434	173	5	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:	342	2696	0	80	2373	0	468	6	0	173	5	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	342	2696	0	80	2373	0	468	6	0	173	5	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:	342	2696	0	80	2373	0	468	6	0	173	5	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	4.00	0.00	2.00	3.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	2900	5800	0	2900	4350	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.46	0.00	0.03	0.55	0.00	0.16	0.00	0.00	0.06	0.00	0.00
Crit Volume:	171			791			234			5		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 98-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #96 Pleasant Grove & Washington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.909
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	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 3 0 1	2 0 3 0 1	2 0 4 0 1

Volume Module:

Base Vol:	195	520	345	106	1084	337	133	1910	120	445	2189	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:	195	520	345	106	1084	337	133	1910	120	445	2189	187
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:	195	520	0	106	1084	337	133	1910	120	445	2189	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	195	520	0	106	1084	337	133	1910	120	445	2189	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:	195	520	0	106	1084	337	133	1910	120	445	2189	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	2.00	4.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.18	0.00	0.04	0.25	0.23	0.05	0.44	0.08	0.15	0.38	0.00
Crit Volume:	98			361			637			223		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 99-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #97 Pleasant Grove Bl & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.617
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:	Permitted	Permitted	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 2 1 0	1 0 3 0 0

Volume Module:

Base Vol:	7	0	243	0	0	0	0	1865	182	188	2620	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	0	243	0	0	0	0	1865	182	188	2620	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	0	243	0	0	0	0	1865	182	188	2620	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	0	243	0	0	0	0	1865	182	188	2620	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	0	243	0	0	0	0	1865	182	188	2620	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	2.73	0.27	1.00	3.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4100	400	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.45	0.45	0.13	0.58	0.00
Crit Volume:	243	0						682	0			
Crit Moves:	***							***	***			

NP25 PM Thu Sep 19, 2013 08:52:11 Page 100-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #98 Pleasant Grove Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.856
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 158 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 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	286	705	422	376	829	271	138	1308	177	495	1769	296
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	286	705	422	376	829	271	138	1308	177	495	1769	296
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:	286	705	0	376	829	0	138	1308	0	495	1769	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	286	705	0	376	829	0	138	1308	0	495	1769	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:	286	705	0	376	829	0	138	1308	0	495	1769	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	0.24	0.00	0.13	0.29	0.00	0.05	0.30	0.00	0.17	0.41	0.00
Crit Volume:	143			414			436			248		
Crit Moves:	***			***			***			***		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 101-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #99 Rocky Ridge Dr & Maidu Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.599
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			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:	3	826	96	76	1561	14	12	8	6	52	6	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:	3	826	96	76	1561	14	12	8	6	52	6	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	826	96	76	1561	14	12	8	6	52	6	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	826	96	76	1561	14	12	8	6	52	6	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	826	96	76	1561	14	12	8	6	52	6	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:	1.00	1.79	0.21	1.00	1.98	0.02	0.60	0.40	1.00	0.90	0.10	1.00
Final Sat.:	1450	2598	302	1450	2874	26	870	580	1450	1300	150	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.32	0.32	0.05	0.54	0.54	0.01	0.01	0.00	0.04	0.04	0.04
Crit Volume:	3			788			20			58		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 102-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #100 Rocky Ridge Dr & McLaren Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.496
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			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:	0	0	1	1	0	2	0	0	0	0	0	1

Volume Module:

Base Vol:	0	831	90	160	1478	0	0	0	0	5	0	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	831	90	160	1478	0	0	0	0	5	0	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:	0	831	90	160	1478	0	0	0	0	5	0	103
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	831	90	160	1478	0	0	0	0	5	0	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:	0	831	90	160	1478	0	0	0	0	5	0	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	1.80	0.20	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2707	293	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.31	0.31	0.11	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.07
Crit Volume:	0			739			0			5		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 103-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #101 Rocky Ridge Dr & Professional Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.670
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

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

Volume Module:
Base Vol: 49 822 43 47 1344 32 6 21 125 152 23 144
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: 49 822 43 47 1344 32 6 21 125 152 23 144
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: 49 822 43 47 1344 0 6 21 125 152 23 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 49 822 43 47 1344 0 6 21 125 152 23 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: 49 822 43 47 1344 0 6 21 125 152 23 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 1.90 0.10 1.00 2.00 1.00 0.22 0.78 1.00 0.87 0.13 1.00
Final Sat.: 1450 2756 144 1450 2900 1450 322 1128 1450 1259 191 1450

Capacity Analysis Module:
Vol/Sat: 0.03 0.30 0.30 0.03 0.46 0.00 0.02 0.02 0.09 0.12 0.12 0.00
Crit Volume: 0 672 125 175
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 104-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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): 0.263
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: 0 0 0 0 0 1 0 0 0 1 0 2 0 1

Volume Module:
Base Vol: 0 0 0 238 0 30 26 248 0 1 262 48
Growth Adj: 1.00 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 30 26 248 0 1 262 48
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 30 26 248 0 1 262 48
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 238 0 30 26 248 0 1 262 48
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 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 30 26 248 0 1 262 48

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 0.16 0.00 0.02 0.02 0.08 0.00 0.00 0.09 0.03
Crit Volume: 0 238 26 131
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 105-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #103 Roseville Parkway & Chase

Cycle (sec): 100 Critical Vol./Cap.(X): 0.823
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 129 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 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	69	0	91	0	0	0	2214	249	406	1886	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
Initial Bse:	69	0	91	0	0	0	2214	249	406	1886	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	69	0	91	0	0	0	2214	249	406	1886	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	0	91	0	0	0	2214	249	406	1886	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
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	69	0	91	0	0	0	2214	249	406	1886	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	3.00	1.00	1.00	3.00
Final Sat.:	1500	0	1500	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.05	0.00	0.06	0.00	0.00	0.00	0.00	0.49	0.17	0.27	0.42	0.00
Crit Volume:	91	0	0	0	0	0	738	406	0	0	0	0
Crit Moves:	***						***	***				

NP25 PM Thu Sep 19, 2013 08:52:11 Page 106-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #104 Roseville Parkway & Creekside Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.802
Loss Time (sec): 12 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:	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 1 0 0 1	1 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	13	3	12	240	5	313	95	2689	7	40	2392	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:	13	3	12	240	5	313	95	2689	7	40	2392	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:	13	3	12	240	5	313	95	2689	7	40	2392	308
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	3	12	240	5	313	95	2689	7	40	2392	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:	13	3	12	240	5	313	95	2689	7	40	2392	308

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.62	0.38	1.00	1.96	0.04	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	2356	544	1450	2841	59	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.08	0.08	0.22	0.07	0.62	0.00	0.03	0.55	0.21
Crit Volume:	8	313	896	40	0	0	0	0	0	0	0	0
Crit Moves:	***			***	***							

NP25 PM Thu Sep 19, 2013 08:52:11 Page 107-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #105 Roseville Parkway & Gibson

Cycle (sec): 120 Critical Vol./Cap.(X): 0.838
Loss Time (sec): 9 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:	Permitted	Permitted	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:	0 1 0 0 1	2 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	5	2	11	1097	3	309	185	2105	3	15	1957	694
Growth Adj:	1.00	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	2	11	1097	3	309	185	2105	3	15	1957	694
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	2	11	1097	3	309	185	2105	3	15	1957	694
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	2	11	1097	3	309	185	2105	3	15	1957	694
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	2	11	1097	3	309	185	2105	3	15	1957	694

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:	0.71	0.29	1.00	2.99	0.01	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1071	429	1500	4488	12	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.24	0.24	0.21	0.12	0.47	0.00	0.01	0.43	0.46
Crit Volume:	11	367	185	694								
Crit Moves:	***	***	***	***								

NP25 PM Thu Sep 19, 2013 08:52:11 Page 108-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #106 Roseville Parkway & N. Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.920
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	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 1 0 0 1	1 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	626	105	308	36	181	227	63	2314	709	248	2483	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:	626	105	308	36	181	227	63	2314	709	248	2483	30
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:	626	105	0	36	181	227	63	2314	0	248	2483	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	626	105	0	36	181	227	63	2314	0	248	2483	30
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:	626	105	0	36	181	227	63	2314	0	248	2483	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:	2.57	0.43	1.00	1.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3725	625	1450	1450	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.17	0.00	0.02	0.06	0.16	0.02	0.53	0.00	0.09	0.57	0.02
Crit Volume:	244	227	771	124								
Crit Moves:	***	***	***	***								

NP25 PM Thu Sep 19, 2013 08:52:11 Page 109-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #107 Roseville Parkway & Reserve

Cycle (sec): 120 Critical Vol./Cap.(X): 0.815
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:	Split Phase	Split Phase	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 1 0 0 1	1 1 0 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	211	85	261	8	186	80	35	2888	163	251	2287	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:	211	85	261	8	186	80	35	2888	163	251	2287	99
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	85	0	8	186	0	35	2888	0	251	2287	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	211	85	0	8	186	0	35	2888	0	251	2287	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:	211	85	0	8	186	0	35	2888	0	251	2287	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:	1.43	0.57	1.00	1.00	1.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2067	833	1450	1450	1450	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	0.00	0.01	0.13	0.00	0.01	0.50	0.00	0.09	0.39	0.00
Crit Volume:	148			186			722			126		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 110-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #108 Roseville Parkway & Secret Ravine

Cycle (sec): 120 Critical Vol./Cap.(X): 0.743
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 72 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	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 1 0 0 2	2 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	2	0	0	113	0	445	608	1855	2	7	2145	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:	2	0	0	113	0	445	608	1855	2	7	2145	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	113	0	445	608	1855	2	7	2145	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	0	113	0	445	608	1855	2	7	2145	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	0	0	113	0	490	608	1855	2	7	2145	133

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	2900	2900	4345	5	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.17	0.21	0.43	0.43	0.00	0.49	0.09
Crit Volume:	2			57			304			715		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 111-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #109 Roseville Parkway & Taylor

Cycle (sec): 120 Critical Vol./Cap.(X): 0.828
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 132 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:	2 0 3 0 1	2 0 3 0 1	2 0 4 0 1	2 0 3 0 1

Volume Module:

Base Vol:	392	335	115	493	368	143	216	2369	347	221	2202	762
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	392	335	115	493	368	143	216	2369	347	221	2202	762
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	392	335	115	493	368	143	216	2369	347	221	2202	762
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	392	335	115	493	368	143	216	2369	347	221	2202	762
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	392	335	115	493	368	143	216	2369	347	221	2202	762

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	4.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	5800	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.14	0.08	0.08	0.17	0.08	0.10	0.07	0.41	0.24	0.08	0.51	0.53
Crit Volume:	112	247		108			734					
Crit Moves:	****	****		****			****					

NP25 PM Thu Sep 19, 2013 08:52:11 Page 112-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #110 Roseville Parkway & West Mall

Cycle (sec): 120 Critical Vol./Cap.(X): 0.593
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:	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:	0 1 0 0 1	1 1 0 0 1	2 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	19	1	28	90	1	138	172	3044	41	34	2486	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:	19	1	28	90	1	138	172	3044	41	34	2486	83
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:	19	1	0	90	1	0	172	3044	0	34	2486	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	1	0	90	1	0	172	3044	0	34	2486	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:	19	1	0	90	1	0	172	3044	0	34	2486	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:	0.95	0.05	1.00	1.98	0.02	1.00	2.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1378	73	1450	2868	32	1450	2900	5800	1450	1450	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.00	0.03	0.03	0.00	0.06	0.52	0.00	0.02	0.43	0.00
Crit Volume:	20			46			761			34		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 113-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #111 Roseville Pw & Alexandra Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.609
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			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	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	1	0	0

Volume Module:

Base Vol:	0	2157	156	117	1787	0	0	0	0	77	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:	0	2157	156	117	1787	0	0	0	0	77	0	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	2157	156	117	1787	0	0	0	0	77	0	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	2157	156	117	1787	0	0	0	0	77	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:	0	2157	156	117	1787	0	0	0	0	77	0	81

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.48	0.10	0.08	0.40	0.00	0.00	0.00	0.00	0.05	0.00	0.05
Crit Volume:	719			117			0			77		
Crit Moves:	****			****						****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 114-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #112 Roseville Pw & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.679
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			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	0	2	0	3	0	1	0

Volume Module:

Base Vol:	479	538	85	496	829	36	37	561	508	187	443	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:	479	538	85	496	829	36	37	561	508	187	443	119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	479	538	85	496	829	36	37	561	508	187	443	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	479	538	85	496	829	36	37	561	508	187	443	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	479	538	85	496	829	36	37	561	508	187	443	119

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.17	0.19	0.06	0.17	0.19	0.02	0.03	0.19	0.35	0.13	0.15	0.08
Crit Volume:	269			248			281			187		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 115-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #113 Roseville Pw & Lead Hill/Orvieto

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: Protected Protected Split Phase Split Phase
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: 1 0 3 0 1 1 0 3 0 1 1 0 0 1 1 0 0 1 0

Volume Module:
Base Vol: 216 1713 8 11 1853 60 150 27 254 5 13 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: 216 1713 8 11 1853 60 150 27 254 5 13 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: 216 1713 8 11 1853 60 150 27 0 5 13 11
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 216 1713 8 11 1853 60 150 27 0 5 13 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: 216 1713 8 11 1853 60 150 27 0 5 13 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 3.00 1.00 1.00 3.00 1.00 1.69 0.31 1.00 1.00 0.54 0.46
Final Sat.: 1450 4350 1450 1450 4350 1450 2458 442 1450 1450 785 665

Capacity Analysis Module:
Vol/Sat: 0.15 0.39 0.01 0.01 0.43 0.04 0.06 0.06 0.00 0.00 0.02 0.02
Crit Volume: 216 618 89 24
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 116-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #114 Roseville Pw & N Cirby Wy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.504
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 2 0 1 1 0 2 0 0

Volume Module:
Base Vol: 58 0 47 0 0 0 0 1191 142 102 981 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 47 0 0 0 0 1191 142 102 981 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 47 0 0 0 0 1191 142 102 981 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 58 0 47 0 0 0 0 1191 142 102 981 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 47 0 0 0 0 1191 142 102 981 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: 0.04 0.00 0.03 0.00 0.00 0.00 0.00 0.40 0.09 0.07 0.33 0.00
Crit Volume: 58 596 102
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 117-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #115 Roseville Pw & Olympus Dr

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	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 3 0 1	2 0 2 1 0	1 0 1 0 1	1 0 2 0 1

Volume Module:

Base Vol:	28 1525 122	312 1839 4	108 189 133	33 21 191
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	28 1525 122	312 1839 4	108 189 133	33 21 191
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:	28 1525 0	312 1839 4	108 189 133	33 21 191
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	28 1525 0	312 1839 4	108 189 133	33 21 191
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:	28 1525 0	312 1839 4	108 189 133	33 21 191

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
Adjustment:	1.00 1.00 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 2.99 0.01	1.00 1.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 4350 1450	2900 4341 9	1450 1450 1450	1450 2900 1450

Capacity Analysis Module:

Vol/Sat:	0.02 0.35 0.00	0.11 0.42 0.42	0.07 0.13 0.09	0.02 0.01 0.13
Crit Volume:	508	156	189	33
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 118-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #116 Roseville Pw & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.598
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	Permitted	Permitted
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:	2 0 3 0 0	0 0 3 0 1	2 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	108 1919 0	0 1621 243	360 0 311	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:	108 1919 0	0 1621 243	360 0 311	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:	108 1919 0	0 1621 243	360 0 311	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	108 1919 0	0 1621 243	360 0 311	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:	108 1919 0	0 1621 243	360 0 311	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:	2.00 3.00 0.00	0.00 3.00 1.00	2.00 0.00 1.00	0.00 0.00 0.00
Final Sat.:	3000 4500 0	0 4500 1500	3000 0 1500	0 0 0

Capacity Analysis Module:

Vol/Sat:	0.04 0.43 0.00	0.00 0.36 0.16	0.12 0.00 0.21	0.00 0.00 0.00
Crit Volume:	640	0	311	0
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 119-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #117 Roseville Pw & Sierra College Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.796
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 112 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 3 0 1	2 0 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	768 1267	30	217 1676	76	112 379	740	45 215	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:	768 1267	30	217 1676	76	112 379	740	45 215	64
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:	768 1267	0	217 1676	0	112 379	0	45 215	0
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	768 1267	0	217 1676	0	112 379	0	45 215	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:	768 1267	0	217 1676	0	112 379	0	45 215	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:	0.26 0.29	0.00	0.07 0.39	0.00	0.04 0.13	0.00	0.02 0.07	0.00
Crit Volume:	384		559		190		23	
Crit Moves:	****		****		****		****	

NP25 PM Thu Sep 19, 2013 08:52:11 Page 120-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #118 Roseville Pw & Trestle Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.646
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	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 0 1	1 0 2 0 1	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	108 1211	19	5 1373	12	5 7	104	30 7	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:	108 1211	19	5 1373	12	5 7	104	30 7	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:	108 1211	19	5 1373	12	5 7	104	30 7	1
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	108 1211	19	5 1373	12	5 7	104	30 7	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:	108 1211	19	5 1373	12	5 7	104	30 7	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	0.42 0.58	1.00	0.79 0.18	0.03
Final Sat.:	1450 2900	1450	1450 2900	1450	604 846	1450	1145 267	38

Capacity Analysis Module:

Vol/Sat:	0.07 0.42	0.01	0.00 0.47	0.01	0.01 0.01	0.07	0.03 0.03	0.03
Crit Volume:	108		687		104		38	
Crit Moves:	****		****		****		****	

NP25 PM Thu Sep 19, 2013 08:52:11 Page 121-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #119 Roseville Pw & Village/Slate Creek

Cycle (sec): 120 Critical Vol./Cap.(X): 0.522
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	0	1	0	0	1	0

Volume Module:

Base Vol:	116	792	33	26	1166	23	24	3	82	16	3	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:	116	792	33	26	1166	23	24	3	82	16	3	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:	116	792	33	26	1166	23	24	3	82	16	3	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	116	792	33	26	1166	23	24	3	82	16	3	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:	116	792	33	26	1166	23	24	3	82	16	3	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	1.92	0.08	1.00	1.96	0.04	0.89	0.11	1.00	0.84	0.16	1.00
Final Sat.:	1450	2784	116	1450	2844	56	1289	161	1450	1221	229	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.28	0.28	0.02	0.41	0.41	0.02	0.02	0.06	0.01	0.01	0.01
Crit Volume:	116			595			27			19		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 122-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #120 Roseville Pw & Washington Bl

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:	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	2	0	2	2	0	2	2	0	2

Volume Module:

Base Vol:	1	432	135	342	1094	206	47	999	4	63	867	267
Growth Adj:	1.00	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	432	135	342	1094	206	47	999	4	63	867	267
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:	1	432	0	342	1094	0	47	999	0	63	867	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	432	0	342	1094	0	47	999	0	63	867	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:	1	432	0	342	1094	0	47	999	0	63	867	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:	0.00	0.15	0.00	0.12	0.38	0.00	0.02	0.34	0.00	0.02	0.30	0.00
Crit Volume:	0			547			500			32		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 123-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #121 S Cirby Wy & Champion Oaks Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.526
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:	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:	43	8	6	13	79	248	27	825	66	39	636	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:	43	8	6	13	79	248	27	825	66	39	636	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:	43	8	6	13	79	248	27	825	66	39	636	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	8	6	13	79	248	27	825	66	39	636	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:	43	8	6	13	79	248	27	825	66	39	636	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:	0.75	0.14	0.11	0.14	0.86	1.00	1.00	1.85	0.15	1.00	1.97	0.03
Final Sat.:	1094	204	153	205	1245	1450	1450	2685	215	1450	2851	49

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.06	0.06	0.17	0.02	0.31	0.31	0.03	0.22	0.22
Crit Volume:	57			248		446	39					
Crit Moves:	****			****		****	****					

NP25 PM Thu Sep 19, 2013 08:52:11 Page 124-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #122 S Cirby Wy & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.746
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 73 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	Permitted	Permitted
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 1	1 0 1 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0	276	352	321	520	0	0	0	0	459	0	433
Growth Adj:	1.00	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	276	352	321	520	0	0	0	0	459	0	433
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	276	352	321	520	0	0	0	0	459	0	433
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	276	352	321	520	0	0	0	0	459	0	433
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	276	352	321	520	0	0	0	0	459	0	433

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	1.03	0.00	0.97
Final Sat.:	0	1500	1500	1500	1500	0	0	0	0	1544	0	1456

Capacity Analysis Module:

Vol/Sat:	0.00	0.18	0.23	0.21	0.35	0.00	0.00	0.00	0.00	0.30	0.00	0.30
Crit Volume:	352	321		0		446						
Crit Moves:	****	****				****						

NP25 PM Thu Sep 19, 2013 08:52:11 Page 125-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #123 Secret Ravine & Scarborough/ Poppy Field

Cycle (sec): 100 Critical Vol./Cap.(X): 0.329
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:	0 0 1 0 0	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	7	1	12	13	0	128	177	436	23	12	303	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:	7	1	12	13	0	128	177	436	23	12	303	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:	7	1	12	13	0	128	177	436	23	12	303	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	1	12	13	0	128	177	436	23	12	303	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:	7	1	12	13	0	128	177	436	23	12	303	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:	0.35	0.05	0.60	1.00	0.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	508	73	870	1450	0	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.00	0.09	0.12	0.15	0.02	0.01	0.10	0.02
Crit Volume:	20					128	177				152	
Crit Moves:	****					****	****				****	

NP25 PM Thu Sep 19, 2013 08:52:11 Page 126-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #124 Sierra College & Miners Ravine

Cycle (sec): 100 Critical Vol./Cap.(X): 0.448
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	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:	1 0 2 0 1	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	112	1015	0	2	1021	64	25	0	49	0	0	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:	112	1015	0	2	1021	64	25	0	49	0	0	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1015	0	2	1021	64	25	0	49	0	0	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	1015	0	2	1021	64	25	0	49	0	0	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	112	1015	0	2	1021	64	25	0	49	0	0	1

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

Capacity Analysis Module:

Vol/Sat:	0.07	0.34	0.00	0.00	0.34	0.04	0.02	0.00	0.03	0.00	0.00	0.00
Crit Volume:	112				511				49	0		
Crit Moves:	****				****				****	****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 127-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #125 Sierra College & Secret Ravine

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	Permitted	Permitted
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	2 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	232	785	3	1	833	172	185	2	239	3	5	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:	232	785	3	1	833	172	185	2	239	3	5	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:	232	785	3	1	833	172	185	2	239	3	5	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	232	785	3	1	833	172	185	2	239	3	5	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:	232	785	3	1	833	172	185	2	239	3	5	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:	1.00	2.00	1.00	1.00	2.00	1.00	2.00	0.01	0.99	0.38	0.62	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	3000	12	1488	563	938	1500

Capacity Analysis Module:

Vol/Sat:	0.15	0.26	0.00	0.00	0.28	0.11	0.06	0.16	0.16	0.01	0.01	0.00
Crit Volume:	232				417			241		3		
Crit Moves:	****				****			****		****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 128-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #126 Sierra College Bl & Eureka Rd

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:	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	1 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	105	1147	33	263	1423	208	97	491	530	42	385	226
Growth Adj:	1.00	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	1147	33	263	1423	208	97	491	530	42	385	226
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:	105	1147	0	263	1423	0	97	491	0	42	385	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	105	1147	0	263	1423	0	97	491	0	42	385	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:	105	1147	0	263	1423	0	97	491	0	42	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:	2.00	3.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.26	0.00	0.09	0.33	0.00	0.07	0.17	0.00	0.01	0.13	0.00
Crit Volume:	53				474			97		192		
Crit Moves:	****				****			****		****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 129-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #127 Sierra College Bl & Indigo Creek Apts

Cycle (sec): 100 Critical Vol./Cap.(X): 0.789
Loss Time (sec): 0 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			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	1	0	0	1	0

Volume Module:

Base Vol:	183	1307	59	106	1440	55	203	11	333	126	4	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:	183	1307	59	106	1440	55	203	11	333	126	4	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:	183	1307	59	106	1440	55	203	11	333	126	4	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	1307	59	106	1440	55	203	11	333	126	4	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:	183	1307	59	106	1440	55	203	11	333	126	4	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	2.87	0.13	1.00	2.89	0.11	1.90	0.10	1.00	0.97	0.03	1.00
Final Sat.:	1450	4162	188	1450	4190	160	2751	149	1450	1405	45	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.31	0.31	0.07	0.34	0.34	0.07	0.07	0.23	0.09	0.09	0.04
Crit Volume:	183			498			333		130			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:11 Page 130-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #128 Sierra College Bl & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.788
Loss Time (sec): 12 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:	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:	2	0	3	0	1	0	1	1	0	1	0	1

Volume Module:

Base Vol:	349	1821	72	49	2073	335	265	94	157	57	131	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:	349	1821	72	49	2073	335	265	94	157	57	131	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:	349	1821	72	49	2073	335	265	94	157	57	131	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	349	1821	72	49	2073	335	265	94	157	57	131	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:	349	1821	72	49	2073	335	265	94	157	57	131	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:	2.00	3.00	1.00	1.00	3.00	1.00	1.54	0.54	0.92	0.55	1.25	0.20
Final Sat.:	2900	4350	1450	1450	4350	1450	2228	791	1331	791	1818	291

Capacity Analysis Module:

Vol/Sat:	0.12	0.42	0.05	0.03	0.48	0.23	0.12	0.12	0.12	0.07	0.07	0.07
Crit Volume:	175			691			172		104			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:11 Page 131-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #129 Sierra College Bl & Olympus Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.551
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			Permitted			Permitted		
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:	1	0	2	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	266	1031	13	4	989	59	88	7	463	14	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:	266	1031	13	4	989	59	88	7	463	14	4	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:	266	1031	13	4	989	59	88	7	0	14	4	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	266	1031	13	4	989	59	88	7	0	14	4	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:	266	1031	13	4	989	59	88	7	0	14	4	2

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	1.85	0.15	1.00	0.78	0.22	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	2779	221	1500	1167	333	1500

Capacity Analysis Module:

Vol/Sat:	0.18	0.34	0.01	0.00	0.33	0.04	0.03	0.03	0.00	0.01	0.01	0.00
Crit Volume:	266			495			47			18		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 132-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #130 Stanford Ranch & Fairway

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			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	0	2

Volume Module:

Base Vol:	310	1147	265	78	868	45	71	411	181	213	300	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:	310	1147	265	78	868	45	71	411	181	213	300	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:	310	1147	265	78	868	45	71	411	181	213	300	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	310	1147	265	78	868	45	71	411	181	213	300	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:	310	1147	265	78	868	45	71	411	181	213	300	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	3.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	0.95	0.05
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	2900	1381	69

Capacity Analysis Module:

Vol/Sat:	0.11	0.26	0.18	0.03	0.20	0.03	0.05	0.14	0.12	0.07	0.22	0.22
Crit Volume:	155			289			205			315		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 133-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #131 Stanford Ranch & Five Star

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	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	1 1 0 1 0

Volume Module:

Base Vol:	494	1546	306	68	1102	36	35	86	323	373	124	139
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	494	1546	306	68	1102	36	35	86	323	373	124	139
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	494	1546	306	68	1102	36	35	86	323	373	124	139
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	494	1546	306	68	1102	36	35	86	323	373	124	139
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	494	1546	306	68	1102	36	35	86	323	373	124	139

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	1.77	0.58	0.65
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	1450	1450	2560	846	944

Capacity Analysis Module:

Vol/Sat:	0.17	0.36	0.21	0.02	0.25	0.02	0.02	0.06	0.22	0.15	0.15	0.15
Crit Volume:	247			367				86				213
Crit Moves:	****			****				****				****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 134-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #132 Stanford Ranch & Highland Park

Cycle (sec): 120 Critical Vol./Cap.(X): 0.545
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:	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:	24	1286	31	13	948	300	318	17	38	33	14	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:	24	1286	31	13	948	300	318	17	38	33	14	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:	24	1286	31	13	948	300	318	17	38	33	14	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	1286	31	13	948	300	318	17	38	33	14	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:	24	1286	31	13	948	300	318	17	38	33	14	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	3.00	1.00	1.00	3.00	1.00	1.00	0.31	0.69	2.00	0.45	0.55
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	448	1002	2900	655	795

Capacity Analysis Module:

Vol/Sat:	0.02	0.30	0.02	0.01	0.22	0.21	0.22	0.04	0.04	0.01	0.02	0.02
Crit Volume:	429			13			318					31
Crit Moves:	****			****			****					****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 135-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #133 Sunrise & Coloma

Cycle (sec): 120 Critical Vol./Cap.(X): 0.739
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 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	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:	1 0 1 1 0	1 0 1 1 0	1 0 1 0 1	1 0 0 1 0

Volume Module:

Base Vol:	40	1411	63	3	1772	50	64	12	64	38	17	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:	40	1411	63	3	1772	50	64	12	64	38	17	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:	40	1411	63	3	1772	50	64	12	64	38	17	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	1411	63	3	1772	50	64	12	64	38	17	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:	40	1411	63	3	1772	50	64	12	64	38	17	77

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	1.91	0.09	1.00	1.95	0.05	1.00	1.00	1.00	1.00	0.18	0.82
Final Sat.:	1500	2872	128	1500	2918	82	1500	1500	1500	1500	271	1229

Capacity Analysis Module:

Vol/Sat:	0.03	0.49	0.49	0.00	0.61	0.61	0.04	0.01	0.04	0.03	0.06	0.06
Crit Volume:	40				911	64						94
Crit Moves:	****				****	****						****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 136-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #134 Sunrise & Sandringham/Kensington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.871
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 177 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	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 3 0 1	1 0 0 0 1	1 0 0 0 1

Volume Module:

Base Vol:	36	2074	58	7	2242	215	24	0	250	266	0	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	2074	58	7	2242	215	24	0	250	266	0	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:	36	2074	58	7	2242	215	24	0	250	266	0	26
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	2074	58	7	2242	215	24	0	250	266	0	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:	36	2074	58	7	2242	215	24	0	250	266	0	26

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.92	0.08	1.00	3.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	4232	118	1450	4350	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.49	0.49	0.00	0.52	0.15	0.02	0.00	0.17	0.18	0.00	0.02
Crit Volume:	0				747				250	266		
Crit Moves:	****				****				****	****		

NP25 PM Thu Sep 19, 2013 08:52:11 Page 137-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #135 Sunrise & Sun Tree/Kensington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.703
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 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	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:	1 0 2 1 0	1 0 2 1 0	0 0 1! 0 0	0 0 1! 0 0

Volume Module:

Base Vol:	9 2088	37 36 2364	83 51 18	11 90 22	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:	9 2088	37 36 2364	83 51 18	11 90 22	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:	9 2088	37 36 2364	83 51 18	11 90 22	67
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	9 2088	37 36 2364	83 51 18	11 90 22	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
FinalVolume:	9 2088	37 36 2364	83 51 18	11 90 22	67

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 2.95	0.05 1.00 2.90	0.10 0.64 0.22	0.14 0.51 0.12
Final Sat.:	1500 4422	78 1500 4347	153 956 338	206 754 184

Capacity Analysis Module:

Vol/Sat:	0.01 0.47	0.47 0.02 0.54	0.54 0.05 0.05	0.05 0.12 0.12
Crit Volume:	9	816	51	179
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 138-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #136 Sunrise Av & Frances Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.613
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	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 2 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0 1535	38 84 1719	0 0 0	49 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
Initial Bse:	0 1535	38 84 1719	0 0 0	49 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
PHF Adj:	1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 1535	38 84 1719	0 0 0	49 0 60
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 1535	38 84 1719	0 0 0	49 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
MLF Adj:	1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 1535	38 84 1719	0 0 0	49 0 60

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 1.95	0.05 1.00 2.00	0.00 0.00 0.00	1.00 0.00 1.00
Final Sat.:	1500 2928	72 1500 3000	0 0 0	1500 0 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.52	0.52 0.06 0.57	0.00 0.00 0.00	0.03 0.00 0.04
Crit Volume:	787	84	0	49
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:11 Page 139-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #137 Sunrise Av & Oak Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.462
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	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	804	11	283	873	0	0	0	0	3	0	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:	0	804	11	283	873	0	0	0	0	3	0	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:	0	804	11	283	873	0	0	0	0	3	0	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	804	11	283	873	0	0	0	0	3	0	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:	0	804	11	283	873	0	0	0	0	3	0	44

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	1.97	0.03	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2960	40	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.27	0.27	0.19	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Crit Volume:	408	283				0				3		
Crit Moves:	****	****								****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 140-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #138 Washington & Diamond Oaks

Cycle (sec): 120 Critical Vol./Cap.(X): 0.757
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 77 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	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 0 1

Volume Module:

Base Vol:	5	797	83	244	1661	19	1	3	4	240	5	300
Growth Adj:	1.00	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	797	83	244	1661	19	1	3	4	240	5	300
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	797	83	244	1661	19	1	3	4	240	5	300
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	797	83	244	1661	19	1	3	4	240	5	300
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	797	83	244	1661	19	1	3	4	240	5	300

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.81	0.19	1.00	1.98	0.02	0.12	0.38	0.50	0.98	0.02	1.00
Final Sat.:	1450	2626	274	1450	2867	33	181	544	725	1420	30	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.30	0.30	0.17	0.58	0.58	0.01	0.01	0.01	0.17	0.17	0.21
Crit Volume:	5	840					8			245		
Crit Moves:	****	****					****			****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 141-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #139 Washington & Sawtell/Derek

Cycle (sec): 120 Critical Vol./Cap.(X): 0.802
Loss Time (sec): 12 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			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:	64	824	14	12	1818	75	65	1	27	81	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:	64	824	14	12	1818	75	65	1	27	81	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:	64	824	14	12	1818	75	65	1	27	81	6	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	64	824	14	12	1818	75	65	1	27	81	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:	64	824	14	12	1818	75	65	1	27	81	6	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	1.92	0.08	0.98	0.02	1.00	0.93	0.07	1.00
Final Sat.:	1450	2900	1450	1450	2785	115	1428	22	1450	1350	100	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.28	0.01	0.01	0.65	0.65	0.05	0.05	0.02	0.06	0.06	0.02
Crit Volume:	64	947		66	87							
Crit Moves:	****	****		****	****							

NP25 PM Thu Sep 19, 2013 08:52:12 Page 142-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #140 Washington Bl & Hallissy Dr

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			Permitted			Permitted		
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	2	0	0	0	1

Volume Module:

Base Vol:	0	488	168	27	1123	0	0	0	0	118	0	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:	0	488	168	27	1123	0	0	0	0	118	0	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:	0	488	168	27	1123	0	0	0	0	118	0	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	488	168	27	1123	0	0	0	0	118	0	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	488	168	27	1123	0	0	0	0	118	0	29

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.11	0.02	0.37	0.00	0.00	0.00	0.00	0.08	0.00	0.02
Crit Volume:	0	562		0	118							
Crit Moves:	****	****		****	****							

NP25 PM Thu Sep 19, 2013 08:52:12 Page 143-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #141 Woodcreek Oaks & Baseline

Cycle (sec): 120 Critical Vol./Cap.(X): 0.916
Loss Time (sec): 9 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 0 0 1	1 0 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	49	0	183	197	0	293	106	1227	81	478	1116	242
Growth Adj:	1.00	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	0	183	197	0	293	106	1227	81	478	1116	242
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	0	183	197	0	293	106	1227	81	478	1116	242
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	0	183	197	0	293	106	1227	81	478	1116	242
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	49	0	183	197	0	293	106	1227	81	478	1116	242

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.13	0.14	0.00	0.20	0.07	0.42	0.06	0.33	0.38	0.17
Crit Volume:	49			293		614		478				
Crit Moves:	****			****		****		****				

NP25 PM Thu Sep 19, 2013 08:52:12 Page 144-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #142 Woodcreek Oaks & Canevari/Arsenault

Cycle (sec): 120 Critical Vol./Cap.(X): 0.687
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	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	272	905	28	15	1303	50	22	2	99	22	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:	272	905	28	15	1303	50	22	2	99	22	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:	272	905	28	15	1303	50	22	2	99	22	1	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	272	905	28	15	1303	50	22	2	99	22	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:	272	905	28	15	1303	50	22	2	99	22	1	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	1.94	0.06	1.00	1.93	0.07	0.92	0.08	1.00	0.96	0.04	1.00
Final Sat.:	1450	2813	87	1450	2793	107	1329	121	1450	1387	63	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.32	0.32	0.01	0.47	0.47	0.02	0.02	0.07	0.02	0.02	0.01
Crit Volume:	272			677		24			23			
Crit Moves:	****			****		****			****			

NP25 PM Thu Sep 19, 2013 08:52:12 Page 145-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #143 Woodcreek Oaks & Horncastle

Cycle (sec): 100 Critical Vol./Cap.(X): 0.569
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	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	46	677	8	40	1299	81	70	0	30	15	3	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:	46	677	8	40	1299	81	70	0	30	15	3	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:	46	677	8	40	1299	81	70	0	30	15	3	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	677	8	40	1299	81	70	0	30	15	3	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:	46	677	8	40	1299	81	70	0	30	15	3	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	1.98	0.02	1.00	1.88	0.12	1.00	0.00	1.00	0.83	0.17	1.00
Final Sat.:	1450	2866	34	1450	2730	170	1450	0	1450	1208	242	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.24	0.24	0.03	0.48	0.48	0.05	0.00	0.02	0.01	0.01	0.01
Crit Volume:	46			690	70							19
Crit Moves:	****			****	****							****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 146-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #144 Woodcreek Oaks & Mcanally

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
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 1 0 0 1	1 1 0 0 1

Volume Module:

Base Vol:	26	808	33	100	1240	63	31	11	24	55	13	415
Growth Adj:	1.00	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	808	33	100	1240	63	31	11	24	55	13	415
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	808	33	100	1240	63	31	11	24	55	13	415
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	808	33	100	1240	63	31	11	24	55	13	415
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	808	33	100	1240	63	31	11	24	55	13	415

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.92	0.08	1.00	1.90	0.10	0.74	0.26	1.00	1.62	0.38	1.00
Final Sat.:	1450	2786	114	1450	2760	140	1070	380	1450	2346	554	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.29	0.29	0.07	0.45	0.45	0.03	0.03	0.02	0.02	0.02	0.29
Crit Volume:	26			652	42							415
Crit Moves:	****			****	****							****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 147-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #145 Woodcreek Oaks & Trailee

Cycle (sec): 100 Critical Vol./Cap.(X): 0.482
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	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 2 0 1	1 0 0 0 1	1 0 0 0 1

Volume Module:

Base Vol:	90	316	20	20	957	14	5	0	93	37	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:	90	316	20	20	957	14	5	0	93	37	0	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	90	316	20	20	957	14	5	0	93	37	0	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	316	20	20	957	14	5	0	93	37	0	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:	90	316	20	20	957	14	5	0	93	37	0	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	1.88	0.12	1.00	2.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2727	173	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.12	0.12	0.01	0.33	0.01	0.00	0.00	0.06	0.03	0.00	0.01
Crit Volume:	90			479					93	37		
Crit Moves:	****			****					****	****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 148-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #146 SR 65 N/B Off & Blue Oaks Blvd

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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	82	0	471	0	0	0	0	1350	875	119	1916	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:	82	0	471	0	0	0	0	1350	875	119	1916	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	82	0	0	0	0	0	0	1350	0	119	1916	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	0	0	0	0	0	0	1350	0	119	1916	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
FinalVolume:	82	0	0	0	0	0	0	1350	0	119	1916	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:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00
Final Sat.:	3000	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.08	0.64	0.00
Crit Volume:	41							0		958		
Crit Moves:	****							****		****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 149-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #147 Washington Blvd & Blue Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.689
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			Permitted		
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	0	0	4	0	1	2

Volume Module:

Base Vol:	328	0	1099	72	561	550	0	767	189	598	1071	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:	328	0	1099	72	561	550	0	767	189	598	1071	374
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:	328	0	1099	72	561	0	0	767	189	598	1071	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	328	0	1099	72	561	0	0	767	189	598	1071	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	1.10	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	328	0	1209	72	561	0	0	767	189	598	1071	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:	2.00	2.00	2.00	1.00	2.00	1.00	0.00	4.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3000	3000	1500	3000	1500	0	6000	1500	3000	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.11	0.00	0.40	0.05	0.19	0.00	0.00	0.13	0.13	0.20	0.24	0.00
Crit Volume:	604	72	0	357	0	0	0	0	0	0	0	0
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

NP25 PM Thu Sep 19, 2013 08:52:12 Page 150-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #148 I-80 WB Off & Douglas Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.793
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 70 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:	Permitted			Permitted			Permitted			Permitted		
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	2	0	0	0	2	0

Volume Module:

Base Vol:	0	0	0	858	0	256	0	1406	554	0	1681	1148
Growth Adj:	1.00	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	858	0	256	0	1406	554	0	1681	1148
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	858	0	256	0	1406	0	0	1681	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	858	0	256	0	1406	0	0	1681	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	858	0	256	0	1406	0	0	1681	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	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	3200	0	1600	0	3200	1600	0	3200	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.27	0.00	0.16	0.00	0.44	0.00	0.00	0.53	0.00
Crit Volume:	0	0	0	429	0	0	0	0	0	841	0	0
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

NP25 PM Thu Sep 19, 2013 08:52:12 Page 151-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #149 I-80 WB On & Atlantic St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.555
Loss Time (sec): 6 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			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	1	2

Volume Module:

Base Vol:	0	0	0	0	0	0	0	1128	535	595	944	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	1128	535	595	944	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	1128	535	595	944	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	1128	535	595	944	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	1128	535	595	944	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	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	0	0	0	0	0	4500	1500	3000	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.36	0.20	0.31	0.00
Crit Volume:	0			0					535	298		
Crit Moves:									****	****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 152-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #150 SR 65 N/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.762
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 60 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:	Permitted			Permitted			Protected			Protected		
Rights:	Ovl			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:	3	0	0	0	2	0	0	0	0	0	3	0

Volume Module:

Base Vol:	591	0	618	0	0	0	0	2409	582	0	2139	399
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	591	0	618	0	0	0	0	2409	582	0	2139	399
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	591	0	618	0	0	0	0	2409	0	0	2139	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	591	0	618	0	0	0	0	2409	0	0	2139	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
MLF Adj:	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
FinalVolume:	591	0	680	0	0	0	0	2409	0	0	2139	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	0.00	3.00	1.00
Final Sat.:	4500	0	3000	0	0	0	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.13	0.00	0.23	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.48	0.00
Crit Volume:	340	0						803	0			
Crit Moves:	****							****			****	

NP25 PM Thu Sep 19, 2013 08:52:12 Page 153-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #151 SR 65 S/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.716
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 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:	Permitted	Permitted	Protected	Protected
Rights:	Include	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:	0 0 0 0 0	2 0 0 0 2	0 0 3 0 1	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	451	0	563	0	2547	285	0	2168	587
Growth Adj:	1.00	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	451	0	563	0	2547	285	0	2168	587
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	451	0	0	0	2547	0	0	2168	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	451	0	0	0	2547	0	0	2168	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	451	0	0	0	2547	0	0	2168	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	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	3000	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.57	0.00	0.00	0.48	0.00
Crit Volume:	0	0	0	226	0	0	0	849	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 154-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #152 I-80 WB Off & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.629
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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 3 0 1	0 0 0 0 0	3 0 0 0 1

Volume Module:

Base Vol:	0	1587	232	0	843	0	0	0	0	889	0	415
Growth Adj:	1.00	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	1587	232	0	843	0	0	0	0	889	0	415
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1587	0	0	843	0	0	0	0	889	0	415
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1587	0	0	843	0	0	0	0	889	0	415
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1587	0	0	843	0	0	0	0	889	0	415

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.35	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.20	0.00	0.28
Crit Volume:	529	0	0	0	0	0	0	0	0	415	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 155-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #153 Stanford Ranch & Sr-65 N/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.860
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 103 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			Permitted			Permitted		
Rights:	Include			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	0	3	0	0	0	0	0	1

Volume Module:

Base Vol:	1344	1750	0	0	1853	271	0	0	392	0	0	937
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1344	1750	0	0	1853	271	0	0	392	0	0	937
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	1344	1750	0	0	1853	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1344	1750	0	0	1853	0	0	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	1344	1750	0	0	1853	0	0	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:	2.00	3.00	0.00	0.00	3.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	3000	4500	0	0	4500	1500	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.45	0.39	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	672			618			0			0		
Crit Moves:	****			****								

NP25 PM Thu Sep 19, 2013 08:52:12 Page 156-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #154 Stanford Ranch/Galleria & Sr-65 S/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.826
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 83 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			Permitted			Permitted		
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:	0	0	3	0	1	2	0	0	0	0	0	1

Volume Module:

Base Vol:	0	2864	444	568	1592	0	0	0	635	0	0	199
Growth Adj:	1.00	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	2864	444	568	1592	0	0	0	635	0	0	199
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:	0	2864	0	568	1592	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	2864	0	568	1592	0	0	0	0	0	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:	0	2864	0	568	1592	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	0	4500	1500	3000	4500	0	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.64	0.00	0.19	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	955			284			0			0		
Crit Moves:	****			****								

NP25 PM Thu Sep 19, 2013 08:52:12 Page 157-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #155 Taylor & Eureka I-80 EB Off

Cycle (sec): 120 Critical Vol./Cap.(X): 0.959
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:	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 2 0 1	2 0 1 0 1	2 0 1 1 0	0 0 4 0 1

Volume Module:

Base Vol:	184	471	610	696	0	288	361	1498	306	0	2732	294
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	184	471	610	696	0	288	361	1498	306	0	2732	294
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:	184	471	0	696	0	288	361	1498	306	0	2732	294
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	184	471	0	696	0	288	361	1498	306	0	2732	294
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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	184	471	0	696	0	317	361	1498	306	0	2732	294

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2.75	xxxx	1.25	2.00	1.66	0.34	0.00	4.00	1.00
Final Sat.:	1450	2900	1450	3986	0	1814	2900	2408	492	0	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.16	0.00	0.17	0.00	0.17	0.12	0.62	0.62	0.00	0.47	0.20
Crit Volume:	236	253							902	0		
Crit Moves:	****	****							****	****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 158-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #156 Fairway & Highland Park

Cycle (sec): 100 Critical Vol./Cap.(X): 0.553
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:	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 1 0	1 0 1 1 0

Volume Module:

Base Vol:	18	1	10	373	0	30	54	555	4	4	514	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:	18	1	10	373	0	30	54	555	4	4	514	213
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	373	0	30	54	555	4	4	514	213
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	1	10	373	0	30	54	555	4	4	514	213
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	373	0	30	54	555	4	4	514	213

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.41	0.59
Final Sat.:	1450	132	1318	1450	0	1450	1450	2879	21	1450	2050	850

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.26	0.00	0.02	0.04	0.19	0.19	0.00	0.25	0.25
Crit Volume:	11	373					54				364	
Crit Moves:	****	****					****				****	

NP25 PM Thu Sep 19, 2013 08:52:12 Page 159-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #157 I-80 EB Off/Orlando & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.910
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:	Ignore	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 0 2 0 0	0 0 2 0 1	2 0 0 0 1

Volume Module:

Base Vol:	0 1463 95	92 1509 0	0 366 190	84 0 496
Growth Adj:	1.00 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 1463 95	92 1509 0	0 366 190	84 0 496
User Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 1463 0	92 1509 0	0 366 190	84 0 496
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 1463 0	92 1509 0	0 366 190	84 0 496
PCE Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 1463 0	92 1509 0	0 366 190	84 0 496

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
Adjustment:	1.00 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 0.50 0.00	0.06 0.52 0.00	0.00 0.13 0.13	0.03 0.00 0.34
Crit Volume:	732	92	0	496
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 160-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #158 Roseville Rkwy & Old Auburn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.405
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:	Permitted	Permitted	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:	19 0 272	0 0 0	0 566 68	272 178 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 0 272	0 0 0	0 566 68	272 178 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 0 272	0 0 0	0 566 68	272 178 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	19 0 272	0 0 0	0 566 68	272 178 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 0 272	0 0 0	0 566 68	272 178 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 1.79 0.21	1.00 2.00 0.00
Final Sat.:	1500 0 1500	0 0 0	0 2678 322	1500 3000 0

Capacity Analysis Module:

Vol/Sat:	0.01 0.00 0.18	0.00 0.00 0.00	0.00 0.21 0.21	0.18 0.06 0.00
Crit Volume:	19	0	317	272
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 161-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #159 Washington Blvd & Industrial

Cycle (sec): 100 Critical Vol./Cap.(X): 0.665
Loss Time (sec): 0 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 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: 1 0 2 0 0 0 0 2 0 1 1 0 0 0 0 0 0 0

Volume Module:
Base Vol: 96 499 0 0 1112 57 63 0 346 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: 96 499 0 0 1112 57 63 0 346 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: 96 499 0 0 1112 57 63 0 346 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 96 499 0 0 1112 57 63 0 346 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: 96 499 0 0 1112 57 63 0 346 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: 0.06 0.17 0.00 0.00 0.37 0.04 0.04 0.00 0.23 0.00 0.00 0.00
Crit Volume: 96 556 346 0
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 162-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #160 Foothills Blvd & HP Far South/ NEC

Cycle (sec): 100 Critical Vol./Cap.(X): 0.708
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 64 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 Ovl 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: 1 0 1 1 0 1 0 2 0 1 1 0 0 0 1 0 0 0

Volume Module:
Base Vol: 47 637 0 257 1455 72 64 9 515 0 4 100
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: 47 637 0 257 1455 72 64 9 515 0 4 100
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: 47 637 0 257 1455 72 64 9 515 0 4 100
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 47 637 0 257 1455 72 64 9 515 0 4 100
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 1.10 1.00 1.00 1.00
FinalVolume: 47 637 0 257 1455 72 64 9 567 0 4 100

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 1.00 2.00 1.00 1.00 0.03 1.97 0.00 0.04 0.96
Final Sat.: 1500 3000 0 1500 3000 1500 1500 47 2953 0 58 1442

Capacity Analysis Module:
Vol/Sat: 0.03 0.21 0.00 0.17 0.49 0.05 0.04 0.19 0.19 0.00 0.07 0.07
Crit Volume: 47 728 288 0
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 163-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #161 Blue Oaks Blvd & Wood Meadow

Cycle (sec): 100 Critical Vol./Cap.(X): 0.716
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:	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	1 0 1 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0	0	165	0	0	0	0	1733	0	74	3634	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	165	0	0	0	0	1733	0	74	3634	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	165	0	0	0	0	1733	0	74	3634	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	165	0	0	0	0	1733	0	74	3634	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	165	0	0	0	0	1733	0	74	3634	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	1.00	1.00	1.00	1.00	1.00	1.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1500	1500	1500	1500	1500	1500	6000	1500	1500	6000	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.29	0.00	0.05	0.61	0.00
Crit Volume:			165					0			909	
Crit Moves:			***					***			***	

NP25 PM Thu Sep 19, 2013 08:52:12 Page 164-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #162 Gibson Rd & New Convention Center Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.687
Loss Time (sec): 0 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	Permitted	Permitted
Rights:	Ignore	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 0 2 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0	254	605	133	326	0	0	0	0	1097	0	444
Growth Adj:	1.00	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	254	605	133	326	0	0	0	0	1097	0	444
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	254	0	133	326	0	0	0	0	1097	0	444
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	254	0	133	326	0	0	0	0	1097	0	444
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	254	0	133	326	0	0	0	0	1097	0	444

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	2.00	0.00	0.00	0.00	0.00	1.42	0.00	0.58
Final Sat.:	0	3000	1500	1500	3000	0	0	0	0	2136	0	864

Capacity Analysis Module:

Vol/Sat:	0.00	0.08	0.00	0.09	0.11	0.00	0.00	0.00	0.00	0.51	0.00	0.51
Crit Volume:				127	133					0	770	
Crit Moves:				***	***					***		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 165-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #163 Blue Oaks Blvd & Westbrook Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.583
Loss Time (sec): 0 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:	Ignore	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 2	0 0 0 0 0	0 0 1 0 1	2 0 1 0 0

Volume Module:

Base Vol:	155	0	636	0	0	0	0	86	65	1268	236	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:	155	0	636	0	0	0	0	86	65	1268	236	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:	155	0	0	0	0	0	0	86	65	1268	236	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	0	0	0	0	0	0	86	65	1268	236	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:	155	0	0	0	0	0	0	86	65	1268	236	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	2.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	1.00	0.00
Final Sat.:	1500	0	3000	0	0	0	0	1500	1500	3000	1500	0

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.42	0.16	0.00
Crit Volume:	155			0			86		634		
Crit Moves:	****						****		****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 166-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #164 Blue Oaks Blvd & Hayden Pkwy

Cycle (sec): 100 Critical Vol./Cap.(X): 0.513
Loss Time (sec): 0 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	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 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	78	62	73	83	31	48	105	700	53	123	1482	231
Growth Adj:	1.00	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	62	73	83	31	48	105	700	53	123	1482	231
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	62	73	83	31	48	105	700	53	123	1482	231
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	62	73	83	31	48	105	700	53	123	1482	231
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	78	62	73	83	31	48	105	700	53	123	1482	231

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	4350	1450	1450	4350	1450	

Capacity Analysis Module:

Vol/Sat:	0.05	0.04	0.05	0.06	0.02	0.03	0.07	0.16	0.04	0.08	0.34	0.16
Crit Volume:	62			83			105			494		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 167-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #165 Fiddymment Rd & Westhills Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.894
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			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	3	0	1	1	2	0	0	1	0	0

Volume Module:

Base Vol:	46	1599	24	196	1270	978	348	0	9	3	0	468
Growth Adj:	1.00	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	1599	24	196	1270	978	348	0	9	3	0	468
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1599	24	196	1270	978	348	0	9	3	0	468
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	1599	24	196	1270	978	348	0	9	3	0	468
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	46	1599	24	196	1270	978	348	0	9	3	0	468

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.03	0.37	0.02	0.14	0.29	0.67	0.12	0.00	0.01	0.00	0.00	0.32
Crit Volume:	46			978			0					468
Crit Moves:	****			****			****					****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 168-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #166 Pleasant Grove Blvd & Westbrook Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.656
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			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	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:	18	655	37	202	834	594	320	414	9	48	695	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:	18	655	37	202	834	594	320	414	9	48	695	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:	18	655	37	202	834	594	320	414	9	48	695	280
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	655	37	202	834	594	320	414	9	48	695	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:	18	655	37	202	834	594	320	414	9	48	695	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:	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.23	0.03	0.07	0.19	0.41	0.11	0.10	0.01	0.02	0.24	0.19
Crit Volume:	9			594			0			348		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 169-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #167 Fiddymment Rd & Westlake Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.400
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	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 0 3 0 1	1 0 3 0 0	0 0 0 0 0	0 0 1 0 0

Volume Module:

Base Vol:	0	1644	60	10	1245	0	0	0	0	32	0	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1644	60	10	1245	0	0	0	0	32	0	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1644	60	10	1245	0	0	0	0	32	0	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1644	60	10	1245	0	0	0	0	32	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
FinalVolume:	0	1644	60	10	1245	0	0	0	0	32	0	10

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	0.76	0.00	0.24
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	1143	0	357

Capacity Analysis Module:

Vol/Sat:	0.00	0.37	0.04	0.01	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.03
Crit Volume:	548	10				0				42		
Crit Moves:	****	****								****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 170-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #168 Woodcreek Oaks Blvd & Northpark Dr

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

Volume Module:

Base Vol:	315	0	168	0	0	0	0	11	80	67	9	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:	315	0	168	0	0	0	0	11	80	67	9	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:	315	0	168	0	0	0	0	11	80	67	9	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	315	0	168	0	0	0	0	11	80	67	9	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:	315	0	168	0	0	0	0	11	80	67	9	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	0.00	1.00	1.00	0.88	0.12	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	0	1500	1500	1322	178	1500

Capacity Analysis Module:

Vol/Sat:	0.21	0.00	0.11	0.00	0.00	0.00	0.00	0.01	0.05	0.05	0.05	0.00
Crit Volume:	315				0				80		76	
Crit Moves:	****								****		****	

NP25 PM Thu Sep 19, 2013 08:52:12 Page 171-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #169 Woodcreek Oaks Blvd & Parkside Wy

Cycle (sec): 100 Critical Vol./Cap.(X): 0.444
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			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	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	77	153	53	4	131	13	8	16	133	16	353	323
Growth Adj:	1.00	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	153	53	4	131	13	8	16	133	16	353	323
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	153	53	4	131	13	8	16	133	16	353	323
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	153	53	4	131	13	8	16	133	16	353	323
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	77	153	53	4	131	13	8	16	133	16	353	323

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.33	0.67	1.00	0.04	0.96	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	483	967	1450	63	1387	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.04	0.00	0.05	0.01	0.02	0.02	0.09	0.25	0.25	0.22
Crit Volume:	77			66			133		369			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:12 Page 172-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #170 Industrial Ave & Alantown Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.819
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 103 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			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	0	1	0	1	0	0	0	0	0	1	0

Volume Module:

Base Vol:	0	451	34	381	911	0	0	0	0	133	0	318
Growth Adj:	1.00	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	451	34	381	911	0	0	0	0	133	0	318
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	451	34	381	911	0	0	0	0	133	0	318
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	451	34	381	911	0	0	0	0	133	0	318
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	451	34	381	911	0	0	0	0	133	0	318

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	0.30	0.02	0.25	0.61	0.00	0.00	0.00	0.00	0.09	0.00	0.21
Crit Volume:	0			911			0			318		
Crit Moves:	****			****						****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 173-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #171 Roseville Pkwy & Gibson West

Cycle (sec): 100 Critical Vol./Cap.(X): 0.850
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 152 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	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	1 0 0 0 1	1 0 3 0 0	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	75	0	908	471	2208	0	0	2186	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:	0	0	0	75	0	908	471	2208	0	0	2186	97
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	0	0	75	0	0	471	2208	0	0	2186	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	75	0	0	471	2208	0	0	2186	97
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	0	0	75	0	0	471	2208	0	0	2186	97

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.00	0.31	0.49	0.00	0.00	0.49	0.06
Crit Volume:	0	0	0	75	0	0	471	729	0	0	729	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 174-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #172 Washington Blvd & All America

Cycle (sec): 100 Critical Vol./Cap.(X): 0.570
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	Split Phase	Split Phase
Rights:	Include	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 2 0 1	1 0 1 1 0	1 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	62	1460	0	35	1144	113	59	1	51	0	3	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:	62	1460	0	35	1144	113	59	1	51	0	3	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	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:	62	1460	0	35	1144	113	59	1	51	0	3	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	1460	0	35	1144	113	59	1	51	0	3	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:	62	1460	0	35	1144	113	59	1	51	0	3	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	1.82	0.18	1.00	0.02	0.98	0.00	1.00	1.00
Final Sat.:	1450	2900	1450	1450	2639	261	1450	28	1422	0	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.50	0.00	0.02	0.43	0.43	0.04	0.04	0.04	0.00	0.00	0.00
Crit Volume:	730	35	0	59	3	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 175-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #173 Cirby & Cottonwood

Cycle (sec): 100 Critical Vol./Cap.(X): 0.441
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:	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 1 0 0 1	1 0 0 0 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	25	1	30	45	0	0	0	948	15	18	1065	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:	25	1	30	45	0	0	0	948	15	18	1065	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:	25	1	30	45	0	0	0	948	15	18	1065	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	1	30	45	0	0	0	948	15	18	1065	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:	25	1	30	45	0	0	0	948	15	18	1065	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:	0.96	0.04	1.00	1.00	0.00	0.00	1.00	1.97	0.03	1.00	1.89	0.11
Final Sat.:	1394	56	1450	1450	0	0	1450	2855	45	1450	2736	164

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.03	0.00	0.00	0.00	0.33	0.33	0.01	0.39	0.39
Crit Volume:	30	45						0		565		
Crit Moves:	***	***					***			***		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 176-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #174 Secret Ravine & Alexandra

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

Volume Module:

Base Vol:	6	0	52	0	0	0	0	417	2	51	254	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:	6	0	52	0	0	0	0	417	2	51	254	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:	6	0	52	0	0	0	0	417	2	51	254	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	52	0	0	0	0	417	2	51	254	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:	6	0	52	0	0	0	0	417	2	51	254	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	1.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	1500	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.14	0.00	0.03	0.08	0.00
Crit Volume:	52	0						209		51		
Crit Moves:	***							***		***		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 177-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #175 Fiddymment Rd & Fiddymment Ranch EW Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.519
Loss Time (sec): 0 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:	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 0 0	0 0 2 0 1	1 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	163	965	0	0	1104	0	0	0	64	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:	163	965	0	0	1104	0	0	0	64	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:	163	965	0	0	1104	0	0	0	64	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	163	965	0	0	1104	0	0	0	64	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:	163	965	0	0	1104	0	0	0	64	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:	0.11	0.32	0.00	0.00	0.37	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Crit Volume:	163				552				64	0		
Crit Moves:	****				****				****			

NP25 PM Thu Sep 19, 2013 08:52:12 Page 178-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #176 Douglas Bl & I-80 EB On

Cycle (sec): 100 Critical Vol./Cap.(X): 0.735
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:	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 0 0 0	1 0 4 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	0	0	238	2341	0	0	2813	171
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:	0	0	0	0	0	238	2341	0	0	2813	171
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	238	2341	0	0	2813	171
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	238	2341	0	0	2813	171
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	238	2341	0	0	2813	171

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:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	4.00	0.00	0.00
Final Sat.:	0	0	0	0	0	0	0	1600	6400	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.37	0.00	0.00	0.59
Crit Volume:	0				0		238			938	
Crit Moves:							****			****	

NP25 PM Thu Sep 19, 2013 08:52:12 Page 179-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #177 Santucci Blvd & Pleasant Grove Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.563
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:	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 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	781	108	12	29	27	0	0	476	503	174	804	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:	781	108	12	29	27	0	0	476	503	174	804	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	781	108	12	29	27	0	0	476	0	174	804	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	781	108	12	29	27	0	0	476	0	174	804	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:	781	108	12	29	27	0	0	476	0	174	804	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	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:	0.27	0.04	0.01	0.02	0.01	0.00	0.00	0.16	0.00	0.12	0.28	0.08
Crit Volume:	391			13				238		174		
Crit Moves:	****			****				****		****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 180-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #178 Santucci Blvd & Federico Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.406
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	64	1102	230	29	778	10	6	16	26	167	43	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:	64	1102	230	29	778	10	6	16	26	167	43	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:	64	1102	230	29	778	10	6	16	26	167	43	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	64	1102	230	29	778	10	6	16	26	167	43	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:	64	1102	230	29	778	10	6	16	26	167	43	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.25	0.16	0.02	0.18	0.01	0.00	0.01	0.02	0.12	0.03	0.01
Crit Volume:	367			29					26	167		
Crit Moves:	****			****					****	****		

NP25 PM Thu Sep 19, 2013 08:52:12 Page 181-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #179 Santucci Blvd & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.391
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	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 3 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	23 1360 57	57 922 8	4 3 9	48 7 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:	23 1360 57	57 922 8	4 3 9	48 7 56
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	23 1360 57	57 922 8	4 3 9	48 7 56
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	23 1360 57	57 922 8	4 3 9	48 7 56
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	23 1360 57	57 922 8	4 3 9	48 7 56

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
Adjustment:	1.00 1.00 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 0.31 0.04	0.04 0.21 0.01	0.00 0.00 0.01	0.03 0.00 0.04
Crit Volume:	453	57	9	48
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 182-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #180 Watt Ave & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.787
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:	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:	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	139 910 392	110 626 229	471 1631 13	479 1619 159
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	139 910 392	110 626 229	471 1631 13	479 1619 159
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	139 910 392	110 626 229	471 1631 13	479 1619 159
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	139 910 392	110 626 229	471 1631 13	479 1619 159
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	139 910 392	110 626 229	471 1631 13	479 1619 159

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
Adjustment:	1.00 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 0.21 0.27	0.04 0.14 0.16	0.16 0.37 0.01	0.17 0.37 0.11
Crit Volume:	303	55	544	240
Crit Moves:	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 183-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #181 Westbrook Blvd & Federico Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.362
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 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 3 0 1 1 0 3 0 1 1 0 1 0 1 1 0 1 0 1

Volume Module:
Base Vol: 69 771 229 1 723 90 34 43 35 172 92 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: 69 771 229 1 723 90 34 43 35 172 92 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: 69 771 229 1 723 90 34 43 35 172 92 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 69 771 229 1 723 90 34 43 35 172 92 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: 69 771 229 1 723 90 34 43 35 172 92 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 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1450 4350 1450 1450 4350 1450 1450 1450 1450 1450 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.05 0.18 0.16 0.00 0.17 0.06 0.02 0.03 0.02 0.12 0.06 0.00
Crit Volume: 69 241 43 172
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:12 Page 184-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #182 Westbrook Blvd & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.695
Loss Time (sec): 0 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: 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 3 0 1 1 0 3 0 1 1 0 2 0 1 1 0 2 0 1

Volume Module:
Base Vol: 44 1140 230 47 882 35 16 66 7 548 118 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 1140 230 47 882 35 16 66 7 548 118 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 1140 230 47 882 35 16 66 7 548 118 21
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 44 1140 230 47 882 35 16 66 7 548 118 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 1140 230 47 882 35 16 66 7 548 118 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 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: 0.03 0.26 0.16 0.03 0.20 0.02 0.01 0.02 0.00 0.38 0.04 0.01
Crit Volume: 380 47 33 548
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 185-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #183 Westbrook Blvd & Baseline 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 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: 22 635 411 146 675 574 501 1508 36 629 1362 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: 22 635 411 146 675 574 501 1508 36 629 1362 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: 22 635 411 146 675 574 501 1508 36 629 1362 265
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 22 635 411 146 675 574 501 1508 36 629 1362 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: 22 635 411 146 675 574 501 1508 36 629 1362 265

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 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: 0.01 0.15 0.28 0.05 0.16 0.40 0.17 0.35 0.02 0.22 0.31 0.18
Crit Volume: 11 574 503 315
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 186-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #184 Market St & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.387
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 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 1 0 1 0 1 1 0 2 0 1

Volume Module:
Base Vol: 60 66 12 3 48 40 69 249 45 41 769 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: 60 66 12 3 48 40 69 249 45 41 769 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: 60 66 12 3 48 40 69 249 45 41 769 4
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 60 66 12 3 48 40 69 249 45 41 769 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: 60 66 12 3 48 40 69 249 45 41 769 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 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 2900 1450 1450 2900 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.04 0.05 0.01 0.00 0.03 0.03 0.05 0.09 0.03 0.03 0.27 0.00
Crit Volume: 60 48 69 385
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 187-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #185 Market St & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.624
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 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 1 0 1 0 1 1 0 3 0 1 1 0 3 0 1

Volume Module:
Base Vol: 101 94 11 105 66 23 23 1937 105 34 2050 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: 101 94 11 105 66 23 23 1937 105 34 2050 202
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 101 94 11 105 66 23 23 1937 105 34 2050 202
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 101 94 11 105 66 23 23 1937 105 34 2050 202
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 101 94 11 105 66 23 23 1937 105 34 2050 202

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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: 0.07 0.06 0.01 0.07 0.05 0.02 0.02 0.45 0.07 0.02 0.47 0.14
Crit Volume: 94 105 23 683
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 188-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #186 Pleasant Grove Blvd & Upland Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.541
Loss Time (sec): 0 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: 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 0 1 0 0 0 0 0 0 0 2 0 1 1 0 2 0 0

Volume Module:
Base Vol: 84 0 44 0 0 0 0 839 84 115 1455 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: 84 0 44 0 0 0 0 839 84 115 1455 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: 84 0 44 0 0 0 0 839 84 115 1455 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 84 0 44 0 0 0 0 839 84 115 1455 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: 84 0 44 0 0 0 0 839 84 115 1455 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: 0.06 0.00 0.03 0.00 0.00 0.00 0.00 0.28 0.06 0.08 0.49 0.00
Crit Volume: 84 0 728
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 189-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #187 Upland Dr & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.424
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: 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 1 0 1 0 1 1 0 2 0 1 1 0 2 0 1

Volume Module:
Base Vol: 69 114 86 4 74 41 43 254 48 78 857 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: 69 114 86 4 74 41 43 254 48 78 857 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: 69 114 86 4 74 41 43 254 48 78 857 1
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 69 114 86 4 74 41 43 254 48 78 857 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: 69 114 86 4 74 41 43 254 48 78 857 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 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: 0.05 0.08 0.06 0.00 0.05 0.03 0.03 0.09 0.03 0.05 0.30 0.00
Crit Volume: 69 74 43 429
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 190-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #188 Upland Dr & Baseline Rd

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: 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 0 0 0 1 1 0 3 0 0 0 0 3 0 1

Volume Module:
Base Vol: 0 0 0 51 0 10 89 1630 0 0 2192 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: 0 0 0 51 0 10 89 1630 0 0 2192 81
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 0 51 0 10 89 1630 0 0 2192 81
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 51 0 10 89 1630 0 0 2192 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: 0 0 0 51 0 10 89 1630 0 0 2192 81

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 0.06 0.36 0.00 0.00 0.49 0.05
Crit Volume: 0 51 89 731
Crit Moves: ****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 191-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #189 Baseline Rd & CMU3 Entrance

Cycle (sec): 100 Critical Vol./Cap.(X): 0.559
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:	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	21	6	138	11	7	17	1734	90	73	1839	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:	0	21	6	138	11	7	17	1734	90	73	1839	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:	0	21	6	138	11	7	17	1734	90	73	1839	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	21	6	138	11	7	17	1734	90	73	1839	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:	0	21	6	138	11	7	17	1734	90	73	1839	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	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	4350	1450	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.00	0.10	0.01	0.00	0.01	0.40	0.06	0.05	0.42	0.03
Crit Volume:	21	138		578			73					
Crit Moves:	****	****		****			****					

NP25 PM Thu Sep 19, 2013 08:52:13 Page 192-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #190 Westbrook Blvd & Sierra Village Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.492
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	75	1221	195	9	1323	105	184	29	18	54	14	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:	75	1221	195	9	1323	105	184	29	18	54	14	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:	75	1221	195	9	1323	105	184	29	18	54	14	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1221	195	9	1323	105	184	29	18	54	14	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:	75	1221	195	9	1323	105	184	29	18	54	14	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.28	0.13	0.01	0.30	0.07	0.13	0.02	0.01	0.04	0.01	0.01
Crit Volume:	75	441	184				14					
Crit Moves:	****	****	****				****					

NP25 PM Thu Sep 19, 2013 08:52:13 Page 193-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #191 Vista Glen Blvd & Road 2A

Cycle (sec): 100 Critical Vol./Cap.(X): 0.248
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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	18	0	1	0	2	0	2	347	0	27	674	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	0	1	0	2	0	2	347	0	27	674	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	0	1	0	2	0	2	347	0	27	674	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	0	1	0	2	0	2	347	0	27	674	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:	18	0	1	0	2	0	2	347	0	27	674	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	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.02	0.23	0.00	
Crit Volume:	18			2		2				337		
Crit Moves:	****			****		****				****		

NP25 PM Thu Sep 19, 2013 08:52:13 Page 194-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #192 Vista Glen Blvd & SV NS Coll 5

Cycle (sec): 100 Critical Vol./Cap.(X): 0.341
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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	13	0	37	0	1	5	2	308	17	55	912	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	0	37	0	1	5	2	308	17	55	912	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	0	37	0	1	5	2	308	17	55	912	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	0	37	0	1	5	2	308	17	55	912	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:	13	0	37	0	1	5	2	308	17	55	912	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	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.11	0.01	0.04	0.31	0.00
Crit Volume:			37	0			2				456	
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 195-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #193 Santucci Blvd & SV CC5 CC6

Cycle (sec): 100 Critical Vol./Cap.(X): 0.328
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	0	1390	30	7	965	0	0	0	0	21	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	1390	30	7	965	0	0	0	0	21	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	1390	30	7	965	0	0	0	0	21	0	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1390	30	7	965	0	0	0	0	21	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	1390	30	7	965	0	0	0	0	21	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	4500	1500	1500	4500	1500	1500	1500	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.31	0.02	0.00	0.21	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Crit Volume:	463	7				0				21		
Crit Moves:	****	****								****		

NP25 PM Thu Sep 19, 2013 08:52:13 Page 196-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #194 Santucci Blvd & Sierra Village Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.411
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:	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	101	1337	103	47	881	51	23	7	40	45	15	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:	101	1337	103	47	881	51	23	7	40	45	15	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:	101	1337	103	47	881	51	23	7	40	45	15	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	101	1337	103	47	881	51	23	7	40	45	15	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:	101	1337	103	47	881	51	23	7	40	45	15	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.31	0.07	0.03	0.20	0.04	0.02	0.00	0.03	0.03	0.01	0.06
Crit Volume:	446	47				23						81
Crit Moves:	****	****				****						****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 197-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #195 Vista Glen Blvd & Road 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.054
Loss Time (sec): 0 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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	4	1	3	10	3	1	1	81	7	1	129	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:	4	1	3	10	3	1	1	81	7	1	129	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:	4	1	3	10	3	1	1	81	7	1	129	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	1	3	10	3	1	1	81	7	1	129	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:	4	1	3	10	3	1	1	81	7	1	129	36

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.04	0.02
Crit Volume:			3	10			1				65	
Crit Moves:	***	***			***				***			

NP25 PM Thu Sep 19, 2013 08:52:13 Page 198-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #196 Westbrook Blvd & Sierra Glen Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.259
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:	0 0 3 0 1	1 0 3 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0	1053	77	0	929	0	0	0	0	38	0	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1053	77	0	929	0	0	0	0	38	0	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1053	77	0	929	0	0	0	0	38	0	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1053	77	0	929	0	0	0	0	38	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
FinalVolume:	0	1053	77	0	929	0	0	0	0	38	0	10

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.23	0.05	0.00	0.21	0.00	0.00	0.00	0.00	0.03	0.00	0.01
Crit Volume:			351		0			0		38		
Crit Moves:	***	***		***		***			***			

NP25 PM Thu Sep 19, 2013 08:52:13 Page 199-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #197 Baseline Rd & SV CC2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.663
Loss Time (sec): 0 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:	Include	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	1 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	130	0	390	218	1539	0	0	1939	90
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	130	0	390	218	1539	0	0	1939	90
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	0	0	130	0	0	218	1539	0	0	1939	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	130	0	0	218	1539	0	0	1939	90
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	0	0	130	0	0	218	1539	0	0	1939	90

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	0.00	0.15	0.34	0.00	0.00	0.43	0.06
Crit Volume:	0	0	0	130	0	0	218	646	0	0	646	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 200-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #198 Baseline Rd & SV CCBP2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.591
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:	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	0	0	166	0	1689	0	0	2161	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	0	0	0	0	166	0	1689	0	0	2161	85
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	166	0	1689	0	0	2161	85
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	166	0	1689	0	0	2161	85
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	166	0	1689	0	0	2161	85

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	0.00	0.00	0.11	0.00	0.38	0.00	0.00	0.48	0.06
Crit Volume:	0	0	0	0	0	166	0	720	0	0	720	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 PM Thu Sep 19, 2013 08:52:13 Page 201-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #199 Baseline Rd & SV CC4

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:	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	200	0	280	157	1519	0	0	2079	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:	0	0	0	200	0	280	157	1519	0	0	2079	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	1.00
PHF Adj:	1.00	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	200	0	280	157	1519	0	0	2079	123
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	200	0	280	157	1519	0	0	2079	123
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	200	0	280	157	1519	0	0	2079	123

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	0.13	0.00	0.19	0.10	0.34	0.00	0.00	0.46	0.08
Crit Volume:	0			280		157					693	
Crit Moves:				****		****					****	

NP25 PM Thu Sep 19, 2013 08:52:13 Page 202-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #200 Westbrook Blvd & Parkway One

Cycle (sec): 100 Critical Vol./Cap.(X): 0.243
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	227	33	67	0	21	6	3	1	88	30	1	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:	227	33	67	0	21	6	3	1	88	30	1	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:	227	33	67	0	21	6	3	1	88	30	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	227	33	67	0	21	6	3	1	88	30	1	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:	227	33	67	0	21	6	3	1	88	30	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	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.06	0.02	0.00	0.00
Crit Volume:	227				7				88		30	
Crit Moves:	****				****				****		****	

NP25 PM Thu Sep 19, 2013 08:52:13 Page 203-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #201 Westbrook Blvd & Nobo Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.131
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	3	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	113	303	0	0	124	4	4	0	42	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:	113	303	0	0	124	4	4	0	42	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:	113	303	0	0	124	4	4	0	42	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	113	303	0	0	124	4	4	0	42	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:	113	303	0	0	124	4	4	0	42	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	4500	1500	1500	4500	1500	1500	1500	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.08	0.07	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Crit Volume:	113			41			42		0			
Crit Moves:	****			****			****					

NP25 PM Thu Sep 19, 2013 08:52:13 Page 204-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #202 Blue Oaks Blvd & Nobo Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.474
Loss Time (sec): 0 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			Permitted			Permitted			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	0	1	0	3

Volume Module:

Base Vol:	0	0	0	168	0	211	99	690	0	0	1501	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:	0	0	0	168	0	211	99	690	0	0	1501	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:	0	0	0	168	0	211	99	690	0	0	1501	113
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	168	0	211	99	690	0	0	1501	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:	0	0	0	168	0	211	99	690	0	0	1501	113

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	0.11	0.00	0.14	0.07	0.15	0.00	0.00	0.33	0.08
Crit Volume:	0			211			230			500		
Crit Moves:				****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:13 Page 205-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #203 Santucci Blvd & Road E

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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	22	830	273	91	599	14	21	7	35	182	4	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:	22	830	273	91	599	14	21	7	35	182	4	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:	22	830	273	91	599	14	21	7	35	182	4	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	830	273	91	599	14	21	7	35	182	4	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:	22	830	273	91	599	14	21	7	35	182	4	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.19	0.06	0.14	0.01	0.01	0.00	0.02	0.13	0.00	0.04
Crit Volume:	277	91		35	182							
Crit Moves:	****	****		****	****							

NP25 PM Thu Sep 19, 2013 08:52:13 Page 206-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #204 Westbrook Blvd & Road E

Cycle (sec): 100 Critical Vol./Cap.(X): 0.268
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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	76	653	77	56	753	83	28	21	31	30	13	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:	76	653	77	56	753	83	28	21	31	30	13	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:	76	653	77	56	753	83	28	21	31	30	13	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	653	77	56	753	83	28	21	31	30	13	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	653	77	56	753	83	28	21	31	30	13	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.05	0.04	0.17	0.06	0.02	0.01	0.02	0.02	0.01	0.02
Crit Volume:	76	251		31	30							
Crit Moves:	****	****		****	****							

NP25 PM Thu Sep 19, 2013 08:52:13 Page 207-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #205 Pleasant Grove Blvd & Road 1

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	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 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	99	0	55	0	0	0	593	9	122	1002	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
Initial Bse:	99	0	55	0	0	0	593	9	122	1002	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	99	0	55	0	0	0	593	9	122	1002	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	99	0	55	0	0	0	593	9	122	1002	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
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	99	0	55	0	0	0	593	9	122	1002	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	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.20	0.01	0.08	0.33
Crit Volume:	99			0			0			501	
Crit Moves:	****						****			****	

NP25 PM Thu Sep 19, 2013 08:52:13 Page 208-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1001 Riverside Av & Darling Wy

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	Split Phase	Split Phase
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 1 0 1	1 0 1 1 0	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	34	577	212	5	894	1	30	14	69	235	39	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:	34	577	212	5	894	1	30	14	69	235	39	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:	34	577	212	5	894	1	30	14	69	235	39	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	577	212	5	894	1	30	14	69	235	39	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:	34	577	212	5	894	1	30	14	69	235	39	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	1.00	1.00	1.00	1.99	0.01	0.68	0.32	1.00	0.79	0.13	0.08
Final Sat.:	1450	1450	1450	1450	2897	3	989	461	1450	1143	190	117

Capacity Analysis Module:

Vol/Sat:	0.02	0.40	0.15	0.00	0.31	0.31	0.03	0.03	0.05	0.21	0.21	0.21
Crit Volume:	577		5				44			298		
Crit Moves:	****		****				****			****		

NP25 PM Thu Sep 19, 2013 08:52:13 Page 209-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1002 Vernon & Douglas/Riverside

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			Permitted			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	1	1	0	1

Volume Module:

Base Vol:	0	283	248	0	372	390	240	244	2	366	363	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	283	248	0	372	390	240	244	2	366	363	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	283	248	0	372	390	240	244	2	366	363	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	283	248	0	372	390	240	244	2	366	363	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	283	248	0	372	390	240	244	2	366	363	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	1.00	1.00	0.00	1.00	1.00	1.00	0.99	0.01	1.00	1.97	0.03
Final Sat.:	0	1500	1500	0	1500	1500	1500	1488	12	1500	2951	49

Capacity Analysis Module:

Vol/Sat:	0.00	0.19	0.17	0.00	0.25	0.26	0.16	0.16	0.16	0.24	0.12	0.12
Crit Volume:	0			372			246		366			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:13 Page 210-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1003 Vernon & Grant

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:	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:	178	59	104	12	54	24	23	551	126	67	518	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:	178	59	104	12	54	24	23	551	126	67	518	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:	178	59	104	12	54	24	23	551	126	67	518	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	178	59	104	12	54	24	23	551	126	67	518	38
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	178	59	104	12	54	24	46	551	126	134	518	38

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	0.60	0.27	0.04	0.96	1.00	0.11	0.89	1.00
Final Sat.:	1202	398	1600	213	960	427	64	1536	1600	183	1417	1600

Capacity Analysis Module:

Vol/Sat:	0.15	0.15	0.07	0.06	0.06	0.06	0.36	0.36	0.08	0.37	0.37	0.02
Crit Volume:	178			90			574		67			
Crit Moves:	****			****			****		****			

NP25 PM Thu Sep 19, 2013 08:52:13 Page 211-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1004 Vernon & Judah

Cycle (sec): 120 Critical Vol./Cap.(X): 0.596
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			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:	1	0	0	1	0	0	1	0	0	1	0	0

Volume Module:

Base Vol:	11	53	48	116	86	92	52	531	14	47	631	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:	11	53	48	116	86	92	52	531	14	47	631	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:	11	53	48	116	86	92	52	531	14	47	631	54
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	53	48	116	86	92	52	531	14	47	631	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:	11	53	48	116	86	92	52	531	14	47	631	54

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	0.52	0.48	1.00	0.48	0.52	1.00	0.97	0.03	1.00	0.92	0.08
Final Sat.:	1600	840	760	1600	773	827	1600	1559	41	1600	1474	126

Capacity Analysis Module:

Vol/Sat:	0.01	0.06	0.06	0.07	0.11	0.11	0.03	0.34	0.34	0.03	0.43	0.43
Crit Volume:	101			116			52			685		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:13 Page 212-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1005 Vernon & Lincoln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.987
Loss Time (sec): 6 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:	Permitted			Permitted			Split Phase			Split Phase		
Rights:	Ignore			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	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	0	0

Volume Module:

Base Vol:	81	22	319	57	97	42	23	570	45	589	512	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:	81	22	319	57	97	42	23	570	45	589	512	13
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:	81	22	0	57	97	42	23	570	45	589	512	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	22	0	57	97	42	23	570	45	589	512	13
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:	81	22	0	57	97	42	23	570	45	589	512	13

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:	0.79	0.21	1.00	0.29	0.50	0.21	1.00	0.93	0.07	1.00	0.98	0.02
Final Sat.:	1180	320	1500	436	742	321	1500	1390	110	1500	1463	37

Capacity Analysis Module:

Vol/Sat:	0.07	0.07	0.00	0.13	0.13	0.13	0.02	0.41	0.41	0.39	0.35	0.35
Crit Volume:	81			196			615			589		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:13 Page 213-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1006 Washington & Main

Cycle (sec): 120 Critical Vol./Cap.(X): 0.840
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 142 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	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	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	511	1222	34	60	1136	56	60	221	253	173	119	90
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	511	1222	34	60	1136	56	60	221	253	173	119	90
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:	511	1222	34	60	1136	0	60	221	0	173	119	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	511	1222	34	60	1136	0	60	221	0	173	119	90
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:	511	1222	34	60	1136	0	60	221	0	173	119	90

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.18	0.42	0.02	0.04	0.39	0.00	0.04	0.15	0.00	0.12	0.08	0.06
Crit Volume:	256			568			221			173		
Crit Moves:	****			****			****			****		

NP25 PM Thu Sep 19, 2013 08:52:13 Page 214-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
NP25: 2025 CIP No Project
PM Peak Hour

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

Intersection #1007 Washington & Oak

Cycle (sec): 120 Critical Vol./Cap.(X): 0.742
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:	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 1 0 0 1	1 1 0 0 1	1 0 1! 0 0	0 1 0 0 2

Volume Module:

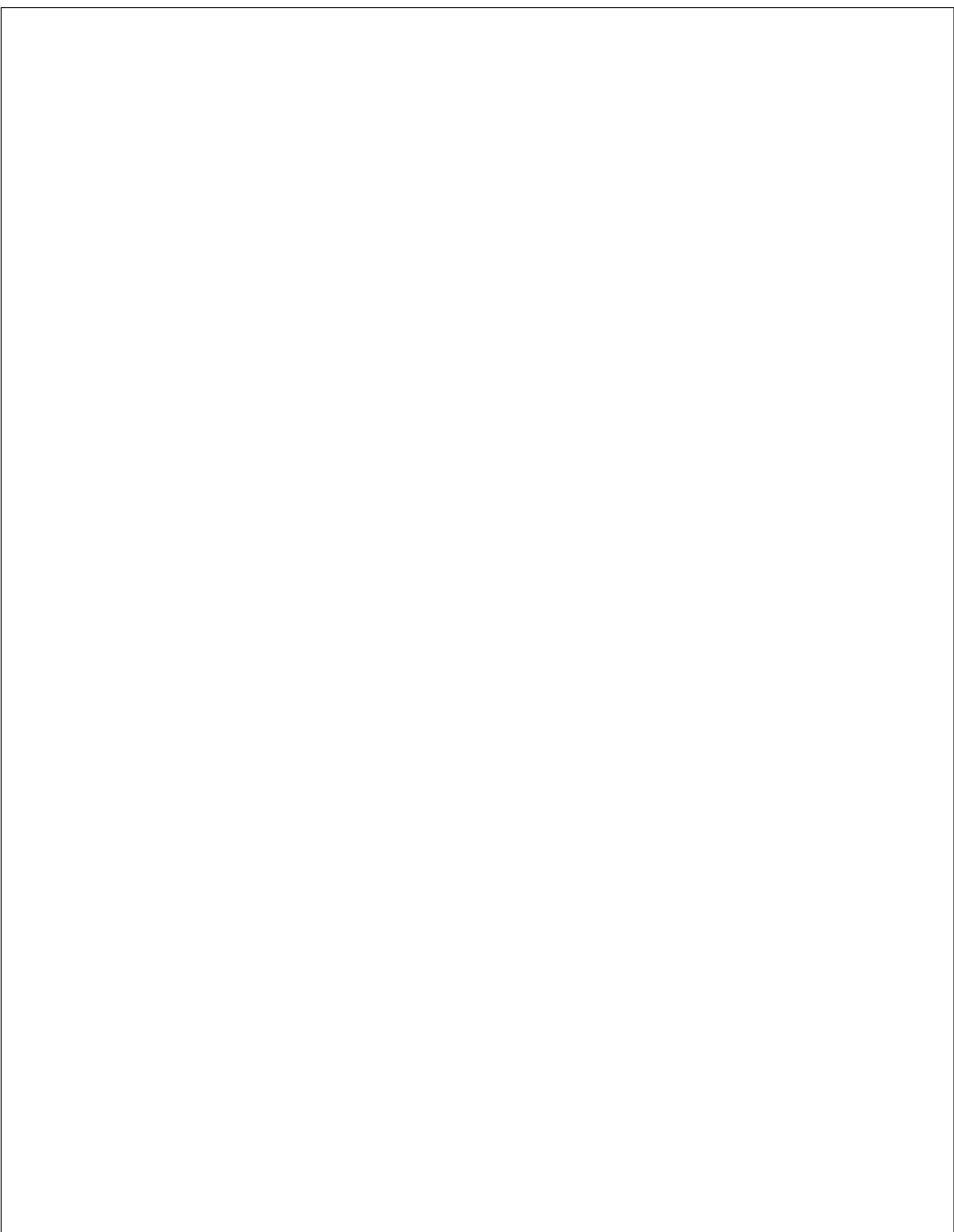
Base Vol:	1	34	10	900	9	791	665	106	2	1	45	1190
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	34	10	900	9	791	665	106	2	1	45	1190
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	34	10	900	9	791	665	106	2	1	45	1190
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	34	10	900	9	791	665	106	2	1	45	1190
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10
FinalVolume:	1	34	10	900	9	791	665	106	2	1	45	1309

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.03	0.97	1.00	1.98	0.02	1.00	1.72	0.27	0.01	0.02	0.98	2.00
Final Sat.:	41	1409	1450	2871	29	1450	2495	398	8	32	1418	2900

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.01	0.31	0.31	0.55	0.27	0.27	0.27	0.03	0.03	0.45
Crit Volume:	35			0			387			655		
Crit Moves:	****			****			****			****		



INTERSECTION ANALYSIS
ROSEVILLE
2025 CIP PLUS PROJECT CONDITIONS

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Scenario Report

Scenario: FR25 AM
Command: FR25 AM
Volume: FR25 AM
Geometry: SV25
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 Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base		Future		Change in
	Del/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 1 Atlantic & Tiger/Center	A xxxxx	0.436	A xxxxx	0.436	+ 0.000 V/C
# 2 Atlantic & Wills	C xxxxx	0.742	C xxxxx	0.742	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	A xxxxx	0.561	A xxxxx	0.561	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	E xxxxx	0.926	E xxxxx	0.926	+ 0.000 V/C
# 5 Blue Oaks & Crocker Ranch	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
# 6 Blue Oaks & Del Webb	B xxxxx	0.613	B xxxxx	0.613	+ 0.000 V/C
# 7 Blue Oaks & Fiddymment	D xxxxx	0.801	D xxxxx	0.801	+ 0.000 V/C
# 8 Blue Oaks & New Meadow	C xxxxx	0.743	C xxxxx	0.743	+ 0.000 V/C
# 9 Blue Oaks & Orchard View	B xxxxx	0.634	B xxxxx	0.634	+ 0.000 V/C
# 10 Blue Oaks Bl & Diamond Creek B	C xxxxx	0.787	C xxxxx	0.787	+ 0.000 V/C
# 11 Blue Oaks Bl & Foothills Bl	E xxxxx	0.982	E xxxxx	0.982	+ 0.000 V/C
# 12 Blue Oaks Bl & Woodcreek Oaks	E xxxxx	0.953	E xxxxx	0.953	+ 0.000 V/C
# 13 Cirby & Sunrise	E xxxxx	0.915	E xxxxx	0.915	+ 0.000 V/C
# 14 Cirby Wy & Foothills Bl	F xxxxx	1.015	F xxxxx	1.015	+ 0.000 V/C
# 15 Cirby Wy & Melody Ln	A xxxxx	0.592	A xxxxx	0.592	+ 0.000 V/C
# 16 Cirby Wy & Northridge Dr	C xxxxx	0.791	C xxxxx	0.791	+ 0.000 V/C
# 17 Cirby Wy & Oak Ridge Dr	A xxxxx	0.549	A xxxxx	0.549	+ 0.000 V/C
# 18 Cirby Wy & Orlando Av	E xxxxx	0.906	E xxxxx	0.906	+ 0.000 V/C
# 19 Cirby Wy & Parkview Dr	A xxxxx	0.598	A xxxxx	0.598	+ 0.000 V/C
# 20 Cirby Wy & Riverside Av	F xxxxx	1.031	F xxxxx	1.031	+ 0.000 V/C
# 21 Cirby Wy & Rocky Ridge Dr	A xxxxx	0.432	A xxxxx	0.432	+ 0.000 V/C
# 22 Cirby Wy & San Simeon Dr	A xxxxx	0.595	A xxxxx	0.595	+ 0.000 V/C
# 23 Cirby Wy & Vernon St	E xxxxx	0.990	E xxxxx	0.990	+ 0.000 V/C

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 24 Douglas & Eureka	A xxxxx	0.529	A xxxxx	0.529	+ 0.000 V/C
# 25 Douglas & Rocky Ridge	B xxxxx	0.607	B xxxxx	0.607	+ 0.000 V/C
# 26 Douglas & Santa Clara	A xxxxx	0.571	A xxxxx	0.571	+ 0.000 V/C
# 27 Douglas & Sierra Gardens	A xxxxx	0.525	A xxxxx	0.525	+ 0.000 V/C
# 28 Douglas & Sunrise	C xxxxx	0.705	C xxxxx	0.705	+ 0.000 V/C
# 29 Douglas & Target	A xxxxx	0.439	A xxxxx	0.439	+ 0.000 V/C
# 30 Douglas Bl & E Roseville Pw	C xxxxx	0.745	C xxxxx	0.745	+ 0.000 V/C
# 31 Douglas Bl & Folsom Rd	A xxxxx	0.501	A xxxxx	0.501	+ 0.000 V/C
# 32 Douglas Bl & Harding Bl	B xxxxx	0.654	B xxxxx	0.654	+ 0.000 V/C
# 33 Douglas Bl & Judah St	A xxxxx	0.328	A xxxxx	0.328	+ 0.000 V/C
# 34 Douglas Bl & Keehner Av	A xxxxx	0.517	A xxxxx	0.517	+ 0.000 V/C
# 35 Douglas Bl & Park Dr	A xxxxx	0.383	A xxxxx	0.383	+ 0.000 V/C
# 36 Douglas Bl & Sierra College Bl	C xxxxx	0.743	C xxxxx	0.743	+ 0.000 V/C
# 37 Eureka & Lead Hill	A xxxxx	0.463	A xxxxx	0.463	+ 0.000 V/C
# 38 Eureka & N. Sunrise	A xxxxx	0.572	A xxxxx	0.572	+ 0.000 V/C
# 39 Eureka & Rocky Ridge	A xxxxx	0.533	A xxxxx	0.533	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A xxxxx	0.370	A xxxxx	0.370	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts	A xxxxx	0.376	A xxxxx	0.376	+ 0.000 V/C
# 42 Fairway & Central Park/Lowes	A xxxxx	0.440	A xxxxx	0.440	+ 0.000 V/C
# 43 Fairway & Cortina Circle	A xxxxx	0.267	A xxxxx	0.267	+ 0.000 V/C
# 44 Fairway & Five Star	A xxxxx	0.398	A xxxxx	0.398	+ 0.000 V/C
# 45 Fairway & Home Depot	A xxxxx	0.512	A xxxxx	0.512	+ 0.000 V/C
# 46 Fairway & Target/Rosehall	A xxxxx	0.568	A xxxxx	0.568	+ 0.000 V/C
# 47 Fiddymment & Del Webb/Village G	B xxxxx	0.655	B xxxxx	0.655	+ 0.000 V/C
# 48 Fiddymment & Hayden Pkwy North	A xxxxx	0.438	A xxxxx	0.438	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 49 Fiddymment & Hayden Pkwy South	A xxxxx	0.568	A xxxxx	0.568	+ 0.000 V/C
# 50 Foothills & Baseline/Main	E xxxxx	0.963	E xxxxx	0.963	+ 0.000 V/C
# 51 Foothills & Misty Wood/Nec	A xxxxx	0.586	A xxxxx	0.586	+ 0.000 V/C
# 52 Foothills Bl & Albertsons Dr	A xxxxx	0.523	A xxxxx	0.523	+ 0.000 V/C
# 53 Foothills Bl & Atkinson Rd	A xxxxx	0.547	A xxxxx	0.547	+ 0.000 V/C
# 54 Foothills Bl & Roseville Pkwy/	D xxxxx	0.814	D xxxxx	0.814	+ 0.000 V/C
# 55 Foothills Bl & HP South	C xxxxx	0.741	C xxxxx	0.741	+ 0.000 V/C
# 56 Foothills Bl & Junction Bl	D xxxxx	0.802	D xxxxx	0.802	+ 0.000 V/C
# 57 Foothills Bl & Mcanally Dr	A xxxxx	0.599	A xxxxx	0.599	+ 0.000 V/C
# 58 Foothills Bl & Pleasant Grove	D xxxxx	0.878	D xxxxx	0.878	+ 0.000 V/C
# 59 Foothills Blvd & Rand/Pilgrims	A xxxxx	0.504	A xxxxx	0.504	+ 0.000 V/C
# 60 Foothills Bl & Vineyard Rd	B xxxxx	0.699	B xxxxx	0.699	+ 0.000 V/C
# 61 Galleria & Antelope Creek	A xxxxx	0.439	A xxxxx	0.439	+ 0.000 V/C
# 62 Galleria & Berry	B xxxxx	0.669	B xxxxx	0.669	+ 0.000 V/C
# 63 Galleria & Roseville Pkwy	C xxxxx	0.793	C xxxxx	0.793	+ 0.000 V/C
# 64 Harding & Wills	B xxxxx	0.637	B xxxxx	0.637	+ 0.000 V/C
# 65 Harding Bl & Estates Dr	A xxxxx	0.454	A xxxxx	0.454	+ 0.000 V/C
# 66 Harding Bl & Lead Hill Bl	C xxxxx	0.706	C xxxxx	0.706	+ 0.000 V/C
# 67 Harding Bl & Roseville Square	A xxxxx	0.346	A xxxxx	0.346	+ 0.000 V/C
# 68 Junction & Stonecrest/Magenta	C xxxxx	0.729	C xxxxx	0.729	+ 0.000 V/C
# 69 Junction Bl & Americana Dr	A xxxxx	0.590	A xxxxx	0.590	+ 0.000 V/C
# 70 Junction Bl & Baseline Rd	B xxxxx	0.694	B xxxxx	0.694	+ 0.000 V/C
# 71 Junction Bl & Country Club Dr	D xxxxx	0.822	D xxxxx	0.822	+ 0.000 V/C
# 72 Junction Bl & Park Regency Dr	C xxxxx	0.714	C xxxxx	0.714	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 73 Junction Bl & Porter Dr	B xxxxx	0.629	B xxxxx	0.629	+ 0.000 V/C
# 74 Junction Bl & Revere Dr	A xxxxx	0.555	A xxxxx	0.555	+ 0.000 V/C
# 75 Junction Bl & Washington Bl	A xxxxx	0.533	A xxxxx	0.533	+ 0.000 V/C
# 76 Junction Bl & Woodcreek Oaks B	A xxxxx	0.588	A xxxxx	0.588	+ 0.000 V/C
# 77 Lead Hill Bl & N Sunrise Av	A xxxxx	0.529	A xxxxx	0.529	+ 0.000 V/C
# 78 Lead Hill Bl & Rocky Ridge Dr	A xxxxx	0.427	A xxxxx	0.427	+ 0.000 V/C
# 79 Lead Hill Bl & Wal-Mart	A xxxxx	0.257	A xxxxx	0.257	+ 0.000 V/C
# 80 N Sunrise Av & Automall Dr	A xxxxx	0.364	A xxxxx	0.364	+ 0.000 V/C
# 81 N Sunrise Av & Stone Point Dr	A xxxxx	0.444	A xxxxx	0.444	+ 0.000 V/C
# 82 N. Sunrise & Sierra Gardens	A xxxxx	0.476	A xxxxx	0.476	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A xxxxx	0.121	A xxxxx	0.121	+ 0.000 V/C
# 84 PFE & Hilltop	A xxxxx	0.299	A xxxxx	0.299	+ 0.000 V/C
# 85 Pleasant Grove & Fairway	A xxxxx	0.553	A xxxxx	0.553	+ 0.000 V/C
# 86 Pleasant Grove & Fiddymment	D xxxxx	0.809	D xxxxx	0.809	+ 0.000 V/C
# 87 Pleasant Grove & Gold Coast/Ha	C xxxxx	0.715	C xxxxx	0.715	+ 0.000 V/C
# 88 Pleasant Grove & Highland Park	A xxxxx	0.337	A xxxxx	0.337	+ 0.000 V/C
# 89 Pleasant Grove & Market	A xxxxx	0.531	A xxxxx	0.531	+ 0.000 V/C
# 90 Pleasant Grove & Michener	B xxxxx	0.658	B xxxxx	0.658	+ 0.000 V/C
# 91 Pleasant Grove & Monument	A xxxxx	0.464	A xxxxx	0.464	+ 0.000 V/C
# 92 Pleasant Grove & Rose Creek	B xxxxx	0.642	B xxxxx	0.642	+ 0.000 V/C
# 93 Pleasant Grove & Roseville Pkw	F xxxxx	1.027	F xxxxx	1.027	+ 0.000 V/C
# 94 Pleasant Grove & Sun City	B xxxxx	0.677	B xxxxx	0.677	+ 0.000 V/C
# 95 Pleasant Grove & Wal-Mart/High	A xxxxx	0.517	A xxxxx	0.517	+ 0.000 V/C
# 96 Pleasant Grove & Washington	D xxxxx	0.856	D xxxxx	0.856	+ 0.000 V/C
# 97 Pleasant Grove Bl & Country Cl	B xxxxx	0.696	B xxxxx	0.696	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 98 Pleasant Grove Bl & Woodcreek	B xxxxx	0.693	B xxxxx	0.693	+ 0.000 V/C
# 99 Rocky Ridge Dr & Maidu Dr	A xxxxx	0.542	A xxxxx	0.542	+ 0.000 V/C
#100 Rocky Ridge Dr & McLaren Dr	A xxxxx	0.516	A xxxxx	0.516	+ 0.000 V/C
#101 Rocky Ridge Dr & Professional	A xxxxx	0.582	A xxxxx	0.582	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A xxxxx	0.092	A xxxxx	0.092	+ 0.000 V/C
#103 Roseville Parkway & Chase	A xxxxx	0.571	A xxxxx	0.571	+ 0.000 V/C
#104 Roseville Parkway & Creekside	A xxxxx	0.525	A xxxxx	0.525	+ 0.000 V/C
#105 Roseville Parkway & Gibson	D xxxxx	0.888	D xxxxx	0.888	+ 0.000 V/C
#106 Roseville Parkway & N. Sunrise	C xxxxx	0.754	C xxxxx	0.754	+ 0.000 V/C
#107 Roseville Parkway & Reserve	A xxxxx	0.546	A xxxxx	0.546	+ 0.000 V/C
#108 Roseville Parkway & Secret Rav	A xxxxx	0.566	A xxxxx	0.566	+ 0.000 V/C
#109 Roseville Parkway & Taylor	D xxxxx	0.862	D xxxxx	0.862	+ 0.000 V/C
#110 Roseville Parkway & West Mall	A xxxxx	0.471	A xxxxx	0.471	+ 0.000 V/C
#111 Roseville Pw & Alexandra Dr	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C
#112 Roseville Pw & Eureka Rd	A xxxxx	0.525	A xxxxx	0.525	+ 0.000 V/C
#113 Roseville Pw & Lead Hill/Orvie	B xxxxx	0.602	B xxxxx	0.602	+ 0.000 V/C
#114 Roseville Pw & N Cirby Wy	A xxxxx	0.407	A xxxxx	0.407	+ 0.000 V/C
#115 Roseville Pw & Olympus Dr	A xxxxx	0.560	A xxxxx	0.560	+ 0.000 V/C
#116 Roseville Pw & Rocky Ridge Dr	A xxxxx	0.467	A xxxxx	0.467	+ 0.000 V/C
#117 Roseville Pw & Sierra College	A xxxxx	0.515	A xxxxx	0.515	+ 0.000 V/C
#118 Roseville Pw & Trestle Rd	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C
#119 Roseville Pw & Village/Slate C	A xxxxx	0.446	A xxxxx	0.446	+ 0.000 V/C
#120 Roseville Pw & Washington Bl	B xxxxx	0.654	B xxxxx	0.654	+ 0.000 V/C
#121 S Cirby Wy & Champion Oaks Dr	A xxxxx	0.511	A xxxxx	0.511	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#122 S Cirby Wy & Old Auburn Rd	C xxxxx	0.753	C xxxxx	0.753	+ 0.000 V/C
#123 Secret Ravine & Scarborough/ P	A xxxxx	0.285	A xxxxx	0.285	+ 0.000 V/C
#124 Sierra College & Miners Ravine	A xxxxx	0.516	A xxxxx	0.516	+ 0.000 V/C
#125 Sierra College & Secret Ravine	A xxxxx	0.501	A xxxxx	0.501	+ 0.000 V/C
#126 Sierra College Bl & Eureka Rd	B xxxxx	0.641	B xxxxx	0.641	+ 0.000 V/C
#127 Sierra College Bl & Indigo Cre	A xxxxx	0.449	A xxxxx	0.449	+ 0.000 V/C
#128 Sierra College Bl & Old Auburn	A xxxxx	0.567	A xxxxx	0.567	+ 0.000 V/C
#129 Sierra College Bl & Olympus Dr	B xxxxx	0.624	B xxxxx	0.624	+ 0.000 V/C
#130 Stanford Ranch & Fairway	A xxxxx	0.503	A xxxxx	0.503	+ 0.000 V/C
#131 Stanford Ranch & Five Star	A xxxxx	0.406	A xxxxx	0.406	+ 0.000 V/C
#132 Stanford Ranch & Highland Park	A xxxxx	0.329	A xxxxx	0.329	+ 0.000 V/C
#133 Sunrise & Coloma	C xxxxx	0.739	C xxxxx	0.739	+ 0.000 V/C
#134 Sunrise & Sandringham/Kensingt	A xxxxx	0.589	A xxxxx	0.589	+ 0.000 V/C
#135 Sunrise & Sun Tree/Kensington	B xxxxx	0.636	B xxxxx	0.636	+ 0.000 V/C
#136 Sunrise Av & Frances Dr	B xxxxx	0.655	B xxxxx	0.655	+ 0.000 V/C
#137 Sunrise Av & Oak Ridge Dr	A xxxxx	0.398	A xxxxx	0.398	+ 0.000 V/C
#138 Washington & Diamond Oaks	B xxxxx	0.685	B xxxxx	0.685	+ 0.000 V/C
#139 Washington & Sawtell/Derek	A xxxxx	0.564	A xxxxx	0.564	+ 0.000 V/C
#140 Washington Bl & Hallissy Dr	A xxxxx	0.500	A xxxxx	0.500	+ 0.000 V/C
#141 Woodcreek Oaks & Baseline	E xxxxx	0.907	E xxxxx	0.907	+ 0.000 V/C
#142 Woodcreek Oaks & Canevari/Arse	A xxxxx	0.480	A xxxxx	0.480	+ 0.000 V/C
#143 Woodcreek Oaks & Horncastle	A xxxxx	0.540	A xxxxx	0.540	+ 0.000 V/C
#144 Woodcreek Oaks & Mcanally	D xxxxx	0.871	D xxxxx	0.871	+ 0.000 V/C
#145 Woodcreek Oaks & Trailee	B xxxxx	0.605	B xxxxx	0.605	+ 0.000 V/C
#146 SR 65 N/B Off & Blue Oaks Blvd	A xxxxx	0.561	A xxxxx	0.561	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#147 Washington Blvd & Blue Oaks Bl	A xxxxx	0.502	A xxxxx	0.502	+ 0.000 V/C
#148 I-80 WB Off & Douglas Blvd	B xxxxx	0.693	B xxxxx	0.693	+ 0.000 V/C
#149 I-80 WB On & Atlantic St	A xxxxx	0.423	A xxxxx	0.423	+ 0.000 V/C
#150 SR 65 N/B Off & Pleasant Grove	A xxxxx	0.554	A xxxxx	0.554	+ 0.000 V/C
#151 SR 65 S/B Off & Pleasant Grove	A xxxxx	0.435	A xxxxx	0.435	+ 0.000 V/C
#152 I-80 WB Off & Riverside Ave	C xxxxx	0.723	C xxxxx	0.723	+ 0.000 V/C
#153 Stanford Ranch & Sr-65 N/B On	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C
#154 Stanford Ranch/Galleria & Sr-6	A xxxxx	0.438	A xxxxx	0.438	+ 0.000 V/C
#155 Taylor & Eureka I-80 EB Off	D xxxxx	0.825	D xxxxx	0.825	+ 0.000 V/C
#156 Fairway & Highland Park	A xxxxx	0.379	A xxxxx	0.379	+ 0.000 V/C
#157 I-80 EB Off/Orlando & Riversid	C xxxxx	0.754	C xxxxx	0.754	+ 0.000 V/C
#158 Roseville Rkwy & Old Auburn	A xxxxx	0.236	A xxxxx	0.236	+ 0.000 V/C
#159 Washington Blvd & Industrial	A xxxxx	0.583	A xxxxx	0.583	+ 0.000 V/C
#160 Foothills Blvd & HP Far South/	C xxxxx	0.744	C xxxxx	0.744	+ 0.000 V/C
#161 Blue Oaks Blvd & Wood Meadow	C xxxxx	0.718	C xxxxx	0.718	+ 0.000 V/C
#162 Gibson Rd & New Convention Cen	A xxxxx	0.478	A xxxxx	0.478	+ 0.000 V/C
#163 Blue Oaks Blvd & Westbrook Blv	A xxxxx	0.283	A xxxxx	0.283	+ 0.000 V/C
#164 Blue Oaks Blvd & Hayden Pkwy	B xxxxx	0.602	B xxxxx	0.602	+ 0.000 V/C
#165 Fiddymment Rd & Westhills Dr	D xxxxx	0.820	D xxxxx	0.820	+ 0.000 V/C
#166 Pleasant Grove Blvd & Westbroo	A xxxxx	0.572	A xxxxx	0.572	+ 0.000 V/C
#167 Fiddymment Rd & Westlake Dr	A xxxxx	0.432	A xxxxx	0.432	+ 0.000 V/C
#168 Woodcreek Oaks Blvd & Northpar	A xxxxx	0.321	A xxxxx	0.321	+ 0.000 V/C
#169 Woodcreek Oaks Blvd & Parkside	A xxxxx	0.488	A xxxxx	0.488	+ 0.000 V/C
#170 Industrial Ave & Alantown Dr	E xxxxx	0.920	E xxxxx	0.920	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#171 Roseville Pkwy & Gibson West	F xxxxx	1.019	F xxxxx	1.019	+ 0.000 V/C
#172 Washington Blvd & All America	A xxxxx	0.515	A xxxxx	0.515	+ 0.000 V/C
#173 Cirby & Cottonwood	A xxxxx	0.542	A xxxxx	0.542	+ 0.000 V/C
#174 Secret Ravine & Alexandra	A xxxxx	0.139	A xxxxx	0.139	+ 0.000 V/C
#175 Fiddymment Rd & Fiddymment Ranch	B xxxxx	0.627	B xxxxx	0.627	+ 0.000 V/C
#176 Douglas Bl & I-80 EB On	A xxxxx	0.480	A xxxxx	0.480	+ 0.000 V/C
#177 Santucci Blvd & Pleasant Grove	A xxxxx	0.533	A xxxxx	0.533	+ 0.000 V/C
#178 Santucci Blvd & Federico Dr	A xxxxx	0.414	A xxxxx	0.414	+ 0.000 V/C
#179 Santucci Blvd & Vista Glen Blv	A xxxxx	0.334	A xxxxx	0.334	+ 0.000 V/C
#180 Watt Ave & Baseline Rd	B xxxxx	0.691	B xxxxx	0.691	+ 0.000 V/C
#181 Westbrook Blvd & Federico Dr	A xxxxx	0.354	A xxxxx	0.354	+ 0.000 V/C
#182 Westbrook Blvd & Vista Glen Bl	A xxxxx	0.419	A xxxxx	0.419	+ 0.000 V/C
#183 Westbrook Blvd & Baseline Rd	C xxxxx	0.767	C xxxxx	0.767	+ 0.000 V/C
#184 Market St & Vista Glen Blvd	A xxxxx	0.364	A xxxxx	0.364	+ 0.000 V/C
#185 Market St & Baseline Rd	B xxxxx	0.646	B xxxxx	0.646	+ 0.000 V/C
#186 Pleasant Grove Blvd & Upland D	A xxxxx	0.545	A xxxxx	0.545	+ 0.000 V/C
#187 Upland Dr & Vista Glen Blvd	A xxxxx	0.379	A xxxxx	0.379	+ 0.000 V/C
#188 Upland Dr & Baseline Rd	A xxxxx	0.533	A xxxxx	0.533	+ 0.000 V/C
#189 Baseline Rd & CMU3 Entrance	A xxxxx	0.470	A xxxxx	0.470	+ 0.000 V/C
#190 Westbrook Blvd & Sierra Villag	A xxxxx	0.371	A xxxxx	0.371	+ 0.000 V/C
#191 Vista Glen Blvd & Road 2A	A xxxxx	0.228	A xxxxx	0.228	+ 0.000 V/C
#192 Vista Glen Blvd & SV NS Coll 5	A xxxxx	0.321	A xxxxx	0.321	+ 0.000 V/C
#193 Santucci Blvd & SV CC5 CC6	A xxxxx	0.286	A xxxxx	0.286	+ 0.000 V/C
#194 Santucci Blvd & Sierra Village	A xxxxx	0.444	A xxxxx	0.444	+ 0.000 V/C
#195 Vista Glen Blvd & Road 1	A xxxxx	0.079	A xxxxx	0.079	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#196 Westbrook Blvd & Sierra Glen D	A xxxxx	0.249	A xxxxx	0.249	+ 0.000 V/C
#197 Baseline Rd & SV CC2	A xxxxx	0.438	A xxxxx	0.438	+ 0.000 V/C
#198 Baseline Rd & SV CCBP2	A xxxxx	0.500	A xxxxx	0.500	+ 0.000 V/C
#199 Baseline Rd & SV CC4	A xxxxx	0.497	A xxxxx	0.497	+ 0.000 V/C
#200 Westbrook Blvd & Parkway One	A xxxxx	0.264	A xxxxx	0.264	+ 0.000 V/C
#201 Westbrook Blvd & Nobo Dr	A xxxxx	0.176	A xxxxx	0.176	+ 0.000 V/C
#202 Blue Oaks Blvd & Nobo Dr	A xxxxx	0.317	A xxxxx	0.317	+ 0.000 V/C
#203 Santucci Blvd & Road E	A xxxxx	0.314	A xxxxx	0.314	+ 0.000 V/C
#204 Westbrook Blvd & Road E	A xxxxx	0.257	A xxxxx	0.257	+ 0.000 V/C
#205 Pleasant Grove Blvd & Road 1	A xxxxx	0.419	A xxxxx	0.419	+ 0.000 V/C
#1001 Riverside Av & Darling Wy	C xxxxx	0.772	C xxxxx	0.772	+ 0.000 V/C
#1002 Vernon & Douglas/Riverside	A xxxxx	0.526	A xxxxx	0.526	+ 0.000 V/C
#1003 Vernon & Grant	A xxxxx	0.464	A xxxxx	0.464	+ 0.000 V/C
#1004 Vernon & Judah	A xxxxx	0.458	A xxxxx	0.458	+ 0.000 V/C
#1005 Vernon & Lincoln	A xxxxx	0.583	A xxxxx	0.583	+ 0.000 V/C
#1006 Washington & Main	A xxxxx	0.587	A xxxxx	0.587	+ 0.000 V/C
#1007 Washington & Oak	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

FR25 AM Thu Sep 19, 2013 08:52:27 Page 3-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1 Atlantic & Tiger/Center

Cycle (sec): 120 Critical Vol./Cap.(X): 0.436
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	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	3	29	68	1	13	18	1019	8	9	1025	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:	12	3	29	68	1	13	18	1019	8	9	1025	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:	12	3	29	68	1	13	18	1019	8	9	1025	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	3	29	68	1	13	18	1019	8	9	1025	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:	12	3	29	68	1	13	18	1019	8	9	1025	34

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.99	0.01	1.00	1.00	1.98	0.02	1.00	2.00	1.00
Final Sat.:	1450	136	1314	1429	21	1450	1450	2877	23	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.02	0.05	0.05	0.01	0.01	0.35	0.35	0.01	0.35	0.02
Crit Volume:	32			69			18			513		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:27 Page 4-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #2 Atlantic & Wills

Cycle (sec): 120 Critical Vol./Cap.(X): 0.742
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 72 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:	Permitted	Permitted	Protected	Protected
Rights:	Ovl	Ignore	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:	124	0	337	0	0	0	0	970	145	504	952	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:	124	0	337	0	0	0	0	970	145	504	952	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	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:	124	0	337	0	0	0	0	970	145	504	952	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	124	0	337	0	0	0	0	970	145	504	952	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	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:	124	0	337	0	0	0	0	970	145	504	952	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:	0.08	0.00	0.22	0.00	0.00	0.00	0.00	0.32	0.10	0.34	0.32	0.00
Crit Volume:	124			0				485		504		
Crit Moves:	****							****		****		

FR25 AM Thu Sep 19, 2013 08:52:27 Page 5-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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): 0.561
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:	Permitted	Permitted	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	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	363	0	49	101	892	0	0	755	289
Growth Adj:	1.00	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	363	0	49	101	892	0	0	755	289
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	363	0	49	101	892	0	0	755	289
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	363	0	49	101	892	0	0	755	289
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	363	0	49	101	892	0	0	755	289

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	0.24	0.00	0.03	0.07	0.30	0.00	0.00	0.25	0.19
Crit Volume:	0	363	101	378								
Crit Moves:		****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:27 Page 6-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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): 0.926
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	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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	192	944	554	436	843	577	437	1711	72	255	975	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:	192	944	554	436	843	577	437	1711	72	255	975	253
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:	192	944	554	436	843	0	437	1711	72	255	975	253
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	192	944	554	436	843	0	437	1711	72	255	975	253
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:	192	944	554	436	843	0	437	1711	72	255	975	253

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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:	0.07	0.22	0.38	0.15	0.19	0.00	0.15	0.39	0.05	0.09	0.22	0.17
Crit Volume:	554	218	570	0								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:27 Page 7-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #5 Blue Oaks & Crocker Ranch

Cycle (sec): 100 Critical Vol./Cap.(X): 0.689
Loss Time (sec): 0 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:	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	2 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	380	0	46	13	2532	0	0	811	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:	0	0	0	380	0	46	13	2532	0	0	811	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:	0	0	0	380	0	46	13	2532	0	0	811	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	380	0	46	13	2532	0	0	811	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:	0	0	0	380	0	46	13	2532	0	0	811	131

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	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.13	0.00	0.03	0.01	0.56	0.00	0.00	0.18	0.09
Crit Volume:	0	0	0	190	0	0	0	844	0	0	0	0
Crit Moves:				****				****				****

FR25 AM Thu Sep 19, 2013 08:52:27 Page 8-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #6 Blue Oaks & Del Webb

Cycle (sec): 120 Critical Vol./Cap.(X): 0.613
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:	Permitted	Permitted	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:	17	0	105	0	0	0	0	2442	15	42	819	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:	17	0	105	0	0	0	0	2442	15	42	819	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:	17	0	105	0	0	0	0	2442	15	42	819	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	0	105	0	0	0	0	2442	15	42	819	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	0	105	0	0	0	0	2442	15	42	819	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	0.54	0.01	0.03	0.18	0.00
Crit Volume:	105	0	0	0	0	0	0	814	0	0	0	0
Crit Moves:	****							****			****	

FR25 AM Thu Sep 19, 2013 08:52:27 Page 9-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #7 Blue Oaks & Fiddymment

Cycle (sec): 120 Critical Vol./Cap.(X): 0.801
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 114 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	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 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	65	670	720	369	878	177	244	1234	100	460	335	90
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	65	670	720	369	878	177	244	1234	100	460	335	90
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:	65	670	0	369	878	177	244	1234	0	460	335	90
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	65	670	0	369	878	177	244	1234	0	460	335	90
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:	65	670	0	369	878	177	244	1234	0	460	335	90

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	0.23	0.00	0.13	0.30	0.12	0.08	0.28	0.00	0.16	0.08	0.06
Crit Volume:	335	185		411	230							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:27 Page 10-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #8 Blue Oaks & New Meadow

Cycle (sec): 100 Critical Vol./Cap.(X): 0.743
Loss Time (sec): 0 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:	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 1	1 1 0 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0	0	0	524	0	32	20	3374	0	9	1465	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:	0	0	0	524	0	32	20	3374	0	9	1465	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:	0	0	0	524	0	32	20	3374	0	9	1465	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	524	0	32	20	3374	0	9	1465	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:	0	0	0	524	0	32	20	3374	0	9	1465	59

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	1.00	1.00	2.00	0.00	1.00	1.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1500	1500	1500	3000	0	1500	1500	6000	1500	1500	6000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.17	0.00	0.02	0.01	0.56	0.00	0.01	0.24	0.04
Crit Volume:	0	262	844	9								
Crit Moves:		****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:27 Page 11-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #9 Blue Oaks & Orchard View

Cycle (sec): 100 Critical Vol./Cap.(X): 0.634
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	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 0 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	205	0	2	0	2236	0	0	812	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	0	0	205	0	2	0	2236	0	0	812	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	0	0	205	0	2	0	2236	0	0	812	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	205	0	2	0	2236	0	0	812	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	0	0	205	0	2	0	2236	0	0	812	76

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.50	0.00	0.00	0.18	0.05
Crit Volume:	0	0	0	205	0	0	0	745	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:27 Page 12-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #10 Blue Oaks Bl & Diamond Creek Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.787
Loss Time (sec): 12 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	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 0 1 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	45	32	54	184	125	50	161	2492	251	92	835	209
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	32	54	184	125	50	161	2492	251	92	835	209
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	45	32	54	184	125	50	161	2492	251	92	835	209
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	32	54	184	125	50	161	2492	251	92	835	209
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	45	32	54	184	125	50	161	2492	251	92	835	209

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.17	0.83	1.00	1.02	0.70	0.28	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1695	1205	1450	1486	1010	404	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.04	0.12	0.12	0.12	0.11	0.57	0.17	0.06	0.19	0.14
Crit Volume:	39	0	0	180	0	0	831	92	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:27 Page 13-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #11 Blue Oaks Bl & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.982
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	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:	3 0 2 0 1	2 0 3 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	301	681	182	162	228	86	976	2163	831	543	1244	301
Growth Adj:	1.00	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	681	182	162	228	86	976	2163	831	543	1244	301
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:	301	681	0	162	228	86	976	2163	831	543	1244	301
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	301	681	0	162	228	86	976	2163	831	543	1244	301
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:	301	681	0	162	228	86	976	2163	831	543	1244	301

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	4.00	1.00	2.00	4.00	1.00
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.23	0.00	0.06	0.05	0.06	0.34	0.37	0.57	0.19	0.21	0.21
Crit Volume:	341			81			831		272			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:27 Page 14-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #12 Blue Oaks Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.953
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	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 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	178	101	665	222	209	106	55	2426	188	294	877	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:	178	101	665	222	209	106	55	2426	188	294	877	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:	178	101	665	222	209	106	55	2426	188	294	877	102
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	178	101	665	222	209	106	55	2426	188	294	877	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:	178	101	665	222	209	106	55	2426	188	294	877	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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2900	2900	1450	2900	2900	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.03	0.46	0.08	0.07	0.07	0.02	0.42	0.13	0.10	0.15	0.07
Crit Volume:	665	111		607					0			
Crit Moves:	****	****		****					****			

FR25 AM Thu Sep 19, 2013 08:52:27 Page 15-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #13 Cirby & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.915
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	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 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	799	1301	177	105	619	78	185	1124	657	124	564	48
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	799	1301	177	105	619	78	185	1124	657	124	564	48
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	799	1301	177	105	619	78	185	1124	657	124	564	48
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	799	1301	177	105	619	78	185	1124	657	124	564	48
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	799	1301	177	105	619	78	185	1124	657	124	564	48

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.28	0.45	0.12	0.04	0.14	0.05	0.06	0.39	0.45	0.04	0.19	0.03
Crit Volume:	651	53		562	62							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:27 Page 16-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #14 Cirby Wy & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 1.015
Loss Time (sec): 9 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	Permitted	Permitted
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:	0 0 2 0 1	2 0 1 0 0	0 0 0 0 0	2 0 0 0 2

Volume Module:

Base Vol:	0	478	566	2002	591	0	0	0	0	564	0	1716
Growth Adj:	1.00	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	478	566	2002	591	0	0	0	0	564	0	1716
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	478	0	2002	591	0	0	0	0	564	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	478	0	2002	591	0	0	0	0	564	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:	0	478	0	2002	591	0	0	0	0	564	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:	0.00	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	3000

Capacity Analysis Module:

Vol/Sat:	0.00	0.16	0.00	0.67	0.39	0.00	0.00	0.00	0.00	0.19	0.00	0.00
Crit Volume:	239	1001		0	282							
Crit Moves:	****	****										

FR25 AM Thu Sep 19, 2013 08:52:27 Page 17-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #15 Cirby Wy & Melody Ln

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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 3 0 0

Volume Module:

Base Vol:	0	0	237	0	0	0	0	2145	20	334	1924	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	237	0	0	0	0	2145	20	334	1924	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:	0	0	0	0	0	0	0	2145	20	334	1924	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	2145	20	334	1924	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:	0	0	0	0	0	0	0	2145	20	334	1924	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	0.00	0.00	2.97	0.03	2.00	3.00	0.00
Final Sat.:	0	0	1500	0	0	0	0	4458	42	3000	4500	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.48	0.11	0.43	0.00
Crit Volume:	0			0			722	167			
Crit Moves:							****	****			

FR25 AM Thu Sep 19, 2013 08:52:27 Page 18-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #16 Cirby Wy & Northridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.791
Loss Time (sec): 12 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:	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 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	7	0	23	18	1	19	6	2181	2	6	2090	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:	7	0	23	18	1	19	6	2181	2	6	2090	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:	7	0	23	18	1	19	6	2181	2	6	2090	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	0	23	18	1	19	6	2181	2	6	2090	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:	7	0	23	18	1	19	6	2181	2	6	2090	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:	0.23	0.00	0.77	0.95	0.05	1.00	1.00	1.99	0.01	1.00	1.99	0.01
Final Sat.:	338	0	1112	1374	76	1450	1450	2897	3	1450	2886	14

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.01	0.01	0.01	0.00	0.75	0.75	0.00	0.72	0.72
Crit Volume:	30			19			1092	6				
Crit Moves:	****			****			****	****				

FR25 AM Thu Sep 19, 2013 08:52:27 Page 19-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #17 Cirby Wy & Oak Ridge Dr

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:	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 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	43	43	86	24	5	53	171	1212	4	19	664	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:	43	43	86	24	5	53	171	1212	4	19	664	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:	43	43	86	24	5	53	171	1212	4	19	664	236
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	43	86	24	5	53	171	1212	4	19	664	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:	43	43	86	24	5	53	171	1212	4	19	664	236

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:	0.25	0.25	0.50	0.83	0.17	1.00	1.00	1.99	0.01	1.00	1.48	0.52
Final Sat.:	375	375	750	1241	259	1500	1500	2990	10	1500	2213	787

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.11	0.02	0.02	0.04	0.11	0.41	0.41	0.01	0.30	0.30
Crit Volume:	172			24			608		19			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:27 Page 20-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #18 Cirby Wy & Orlando Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.906
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:	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 2 0 1	2 0 1 1 0

Volume Module:

Base Vol:	19	13	427	4	1	20	8	1329	46	23	1753	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:	19	13	427	4	1	20	8	1329	46	23	1753	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:	19	13	427	4	1	20	8	1329	46	23	1753	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	13	427	4	1	20	8	1329	46	23	1753	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:	19	13	427	4	1	20	8	1329	46	23	1753	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:	0.59	0.41	1.00	0.80	0.20	1.00	1.00	2.00	1.00	2.00	1.99	0.01
Final Sat.:	861	589	1450	1160	290	1450	1450	2900	1450	2900	2897	3

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.29	0.00	0.00	0.01	0.01	0.46	0.03	0.01	0.61	0.61
Crit Volume:	427			20		0				878		
Crit Moves:	****			****		****				****		

FR25 AM Thu Sep 19, 2013 08:52:27 Page 21-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #19 Cirby Wy & Parkview Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.598
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:	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:	112	2	38	70	1	90	32	1189	0	50	620	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:	112	2	38	70	1	90	32	1189	0	50	620	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:	112	2	38	70	1	90	32	1189	0	50	620	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	2	38	70	1	90	32	1189	0	50	620	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:	112	2	38	70	1	90	32	1189	0	50	620	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:	0.74	0.01	0.25	0.99	0.01	1.00	1.00	2.00	0.00	1.00	1.92	0.08
Final Sat.:	1068	19	363	1430	20	1450	1450	2900	0	1450	2779	121

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	0.10	0.05	0.05	0.06	0.02	0.41	0.00	0.03	0.22	0.22
Crit Volume:	152			71			595			50		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:27 Page 22-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #20 Cirby Wy & Riverside Av

Cycle (sec): 120 Critical Vol./Cap.(X): 1.031
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	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 3 0 1	2 0 3 0 2	2 0 2 0 1

Volume Module:

Base Vol:	1293	808	200	189	299	113	376	1506	1321	375	1123	337
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1293	808	200	189	299	113	376	1506	1321	375	1123	337
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1293	808	200	189	299	113	376	1506	1321	375	1123	337
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1293	808	200	189	299	113	376	1506	1321	375	1123	337
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00
FinalVolume:	1293	808	200	189	299	113	376	1506	1453	375	1123	337

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.45	0.28	0.14	0.07	0.07	0.08	0.13	0.35	0.50	0.13	0.39	0.23
Crit Volume:	647			100			188			562		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:27 Page 23-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #21 Cirby Wy & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.432
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:	Include			Ignore			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	1	1	0	1	1	0	0	2	1

Volume Module:

Base Vol:	0	0	0	142	0	220	635	520	0	0	385	655
Growth Adj:	1.00	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	142	0	220	635	520	0	0	385	655
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:	0	0	0	142	0	0	635	520	0	0	385	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	142	0	0	635	520	0	0	385	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:	0	0	0	142	0	0	635	520	0	0	385	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	1.65	1.35	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	2474	2026	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.00	0.26	0.26	0.00	0.00	0.13	0.00
Crit Volume:	0			71			385			193		
Crit Moves:				****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:27 Page 24-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #22 Cirby Wy & San Simeon Dr

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:	Permitted			Permitted			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	2	1	0	0

Volume Module:

Base Vol:	148	0	199	0	0	0	0	1739	25	20	1428	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:	148	0	199	0	0	0	0	1739	25	20	1428	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	148	0	199	0	0	0	0	1739	25	20	1428	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	0	199	0	0	0	0	1739	25	20	1428	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:	148	0	199	0	0	0	0	1739	25	20	1428	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	2.96	0.04	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4436	64	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.13	0.00	0.00	0.00	0.00	0.39	0.39	0.01	0.48	0.00
Crit Volume:	199	0		0			0			714		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:27 Page 25-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #23 Cirby Wy & Vernon St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.990
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	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	2 0 1 0 1	2 0 1 1 0	2 0 2 0 1

Volume Module:

Base Vol:	34	211	76	76	34	310	447	2057	78	89	1925	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:	34	211	76	76	34	310	447	2057	78	89	1925	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:	34	211	76	76	34	310	447	2057	78	89	1925	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	211	76	76	34	310	447	2057	78	89	1925	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:	34	211	76	76	34	310	447	2057	78	89	1925	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	1.00	1.00	2.00	1.00	1.00	2.00	1.93	0.07	2.00	2.00	1.00
Final Sat.:	1450	1450	1450	2900	1450	1450	2900	2794	106	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.15	0.05	0.03	0.02	0.21	0.15	0.74	0.74	0.03	0.66	0.06
Crit Volume:	211	38	224	963								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:28 Page 26-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #24 Douglas & Eureka

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	Protected	Protected
Rights:	Include	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 2 1 0	3 0 2 1 0	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	313	690	17	393	310	131	152	1061	235	49	972	663
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	313	690	17	393	310	131	152	1061	235	49	972	663
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	313	690	17	393	310	131	152	1061	235	49	972	663
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	313	690	17	393	310	131	152	1061	235	49	972	663
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	313	690	17	393	310	131	152	1061	235	49	972	663

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	2.93	0.07	3.00	2.11	0.89	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4245	105	4350	3058	1292	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.16	0.16	0.09	0.10	0.10	0.05	0.24	0.16	0.02	0.22	0.00
Crit Volume:	236	131	76	324								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:28 Page 27-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #25 Douglas & Rocky Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.607
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	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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	183	862	237	141	223	74	336	1295	13	91	1061	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:	183	862	237	141	223	74	336	1295	13	91	1061	120
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:	183	862	237	141	223	74	336	1295	0	91	1061	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	862	237	141	223	74	336	1295	0	91	1061	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:	183	862	237	141	223	74	336	1295	0	91	1061	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:	0.06	0.20	0.16	0.05	0.05	0.05	0.12	0.30	0.00	0.03	0.24	0.00
Crit Volume:	287	71	168	354								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:28 Page 28-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #26 Douglas & Santa Clara

Cycle (sec): 120 Critical Vol./Cap.(X): 0.571
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	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 1 0 1	1 1 0 0 1	1 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	172	57	51	33	44	6	107	1630	108	33	1210	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:	172	57	51	33	44	6	107	1630	108	33	1210	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	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:	172	57	51	33	44	6	107	1630	108	33	1210	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	172	57	51	33	44	6	107	1630	108	33	1210	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:	172	57	51	33	44	6	107	1630	108	33	1210	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	2.81	0.19	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	4080	270	1450	4350	1450	

Capacity Analysis Module:

Vol/Sat:	0.12	0.04	0.04	0.02	0.03	0.00	0.07	0.40	0.40	0.02	0.28	0.00
Crit Volume:	172	44	579	33								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:28 Page 29-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #27 Douglas & Sierra Gardens

Cycle (sec): 120 Critical Vol./Cap.(X): 0.525
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:	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 0 1 0 0	1 0 1 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	16	65	38	58	21	41	78	1653	51	45	1184	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:	16	65	38	58	21	41	78	1653	51	45	1184	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:	16	65	38	58	21	41	78	1653	51	45	1184	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	65	38	58	21	41	78	1653	51	45	1184	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:	16	65	38	58	21	41	78	1653	51	45	1184	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	0.63	0.37	1.00	0.34	0.66	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	915	535	1450	491	959	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.07	0.07	0.04	0.04	0.04	0.05	0.38	0.04	0.03	0.27	0.05
Crit Volume:	103			62			551		45			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:28 Page 30-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #28 Douglas & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.705
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 77 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 2 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 1 0

Volume Module:

Base Vol:	291	576	106	76	233	182	389	1867	225	147	1172	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:	291	576	106	76	233	182	389	1867	225	147	1172	74
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	576	106	76	233	182	389	1867	225	147	1172	74
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	291	576	106	76	233	182	389	1867	225	147	1172	74
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	291	576	106	76	233	182	389	1867	225	147	1172	74

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	2.00	3.76	0.24
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	5456	344

Capacity Analysis Module:

Vol/Sat:	0.10	0.20	0.07	0.03	0.05	0.13	0.13	0.43	0.16	0.05	0.21	0.21
Crit Volume:	288			38			622		74			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:28 Page 31-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #29 Douglas & Target

Cycle (sec): 120 Critical Vol./Cap.(X): 0.439
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	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:	35	1	25	2	1	8	31	1647	72	20	1308	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:	35	1	25	2	1	8	31	1647	72	20	1308	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:	35	1	25	2	1	8	31	1647	72	20	1308	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	1	25	2	1	8	31	1647	72	20	1308	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:	35	1	25	2	1	8	31	1647	72	20	1308	7

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.04	0.96	1.00	0.11	0.89	1.00	2.87	0.13	1.00	2.98	0.02
Final Sat.:	1450	56	1394	1450	161	1289	1450	4168	182	1450	4327	23

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.00	0.01	0.01	0.02	0.40	0.40	0.01	0.30	0.30
Crit Volume:	35			9			573		20			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:28 Page 32-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #30 Douglas Bl & E Roseville Pw

Cycle (sec): 120 Critical Vol./Cap.(X): 0.745
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	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 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	310	808	46	907	535	75	100	1157	81	56	1377	613
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	310	808	46	907	535	75	100	1157	81	56	1377	613
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:	310	808	46	907	535	75	100	1157	81	56	1377	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	310	808	46	907	535	75	100	1157	81	56	1377	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:	310	808	46	907	535	75	100	1157	81	56	1377	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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.19	0.03	0.21	0.12	0.05	0.03	0.27	0.06	0.02	0.32	0.00
Crit Volume:	269			302			50			459		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 33-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #31 Douglas Bl & Folsom Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.501
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:	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:	5	3	11	198	6	36	40	1142	8	30	721	200
Growth Adj:	1.00	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	3	11	198	6	36	40	1142	8	30	721	200
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	3	11	198	6	36	40	1142	8	30	721	200
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	3	11	198	6	36	40	1142	8	30	721	200
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	3	11	198	6	36	40	1142	8	30	721	200

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.26	0.16	0.58	1.94	0.06	1.00	1.00	1.99	0.01	1.00	1.57	0.43
Final Sat.:	382	229	839	2815	85	1450	1450	2880	20	1450	2270	630

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.07	0.07	0.02	0.03	0.40	0.40	0.02	0.32	0.32
Crit Volume:	19	102						575	30			
Crit Moves:	***	***						***	***			

FR25 AM Thu Sep 19, 2013 08:52:28 Page 34-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #32 Douglas Bl & Harding Bl

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:	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	7	29	306	7	188	171	1204	23	46	817	762
Growth Adj:	1.00	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	7	29	306	7	188	171	1204	23	46	817	762
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	7	0	306	7	188	171	1204	23	46	817	762
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	7	0	306	7	188	171	1204	23	46	817	762
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	7	0	306	7	188	171	1204	23	46	817	762

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.96	0.04	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2835	65	1450	1450	2846	54	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.00	0.11	0.11	0.13	0.12	0.42	0.42	0.03	0.28	0.53
Crit Volume:	15				0		171					762
Crit Moves:	***				***		***					***

FR25 AM Thu Sep 19, 2013 08:52:28 Page 35-1

City of Roseville Fiddymont Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #33 Douglas Bl & Judah St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.328
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	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:	0 0 0 0 1	1 0 1 0 0	0 0 1 1 0	0 0 1 0 1

Volume Module:

Base Vol:	0	0	4	508	6	1	0	419	5	0	230	281
Growth Adj:	1.00	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	4	508	6	1	0	419	5	0	230	281
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:	0	0	4	508	6	1	0	419	5	0	230	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	4	508	6	1	0	419	5	0	230	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:	0	0	4	508	6	1	0	419	5	0	230	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	1.97	0.02	0.01	0.00	1.98	0.02	0.00	1.00	1.00
Final Sat.:	0	0	1500	2959	35	6	0	2965	35	0	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.17	0.17	0.17	0.00	0.14	0.14	0.00	0.15	0.00
Crit Volume:			4	258			0			230		
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:28 Page 36-1

City of Roseville Fiddymont Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #34 Douglas Bl & Keehner Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.517
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:	Permitted	Permitted	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:	43	0	255	0	0	0	0	992	49	88	571	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:	43	0	255	0	0	0	0	992	49	88	571	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:	43	0	255	0	0	0	0	992	49	88	571	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	0	255	0	0	0	0	992	49	88	571	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:	43	0	255	0	0	0	0	992	49	88	571	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	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2859	141	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.17	0.00	0.00	0.00	0.00	0.35	0.35	0.06	0.19	0.00
Crit Volume:			255	0				521	0			
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:28 Page 37-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #35 Douglas Bl & Park Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.383
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	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 0 0 1 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	9	0	2	57	3	8	0	970	5	0	534	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	2	57	3	8	0	970	5	0	534	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:	9	0	2	57	3	8	0	970	5	0	534	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	0	2	57	3	8	0	970	5	0	534	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:	9	0	2	57	3	8	0	970	5	0	534	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:	0.82	0.00	0.18	1.00	0.27	0.73	0.00	1.99	0.01	1.00	2.00	0.00
Final Sat.:	1186	0	264	1450	395	1055	0	2885	15	1450	2900	0

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.01	0.04	0.01	0.01	0.00	0.34	0.34	0.00	0.18	0.00
Crit Volume:	11	57	488	0								
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:28 Page 38-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #36 Douglas Bl & Sierra College Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.743
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	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 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	547	780	211	181	514	196	154	1289	234	233	1667	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:	547	780	211	181	514	196	154	1289	234	233	1667	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:	547	780	211	181	514	196	154	1289	234	233	1667	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	547	780	211	181	514	196	154	1289	234	233	1667	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:	547	780	211	181	514	196	154	1289	234	233	1667	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:	0.19	0.18	0.15	0.06	0.12	0.14	0.05	0.30	0.16	0.08	0.38	0.00
Crit Volume:	274	171	77	556								
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:28 Page 39-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #37 Eureka & Lead Hill

Cycle (sec): 120 Critical Vol./Cap.(X): 0.463
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:	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:	126	1085	57	183	907	14	25	111	127	71	93	66
Growth Adj:	1.00	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	1085	57	183	907	14	25	111	127	71	93	66
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:	126	1085	0	183	907	0	25	111	0	71	93	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	1085	0	183	907	0	25	111	0	71	93	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:	126	1085	0	183	907	0	25	111	0	71	93	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:	0.09	0.25	0.00	0.13	0.21	0.00	0.02	0.04	0.00	0.05	0.03	0.00
Crit Volume:	362	183		55	71							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:28 Page 40-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #38 Eureka & N. Sunrise

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:	3	0	3	0	1	1	2	0	3	0	1	1

Volume Module:

Base Vol:	141	247	110	85	276	340	57	1973	474	66	1413	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:	141	247	110	85	276	340	57	1973	474	66	1413	124
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:	141	247	0	85	276	0	57	1973	0	66	1413	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	141	247	0	85	276	0	57	1973	0	66	1413	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:	141	247	0	85	276	0	57	1973	0	66	1413	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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	4.00	1.00
Final Sat.:	4350	4350	1450	2900	4350	1450	2900	4350	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.06	0.00	0.03	0.06	0.00	0.02	0.45	0.00	0.02	0.24	0.00
Crit Volume:	47	92		658	33							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:28 Page 41-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #39 Eureka & Rocky Ridge

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:	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	2 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	22 1061 88	199 1243 75	273 203 122	63 168 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:	22 1061 88	199 1243 75	273 203 122	63 168 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:	22 1061 0	199 1243 0	273 203 0	63 168 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	22 1061 0	199 1243 0	273 203 0	63 168 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:	22 1061 0	199 1243 0	273 203 0	63 168 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	2.00 2.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 4350 1450	1450 4350 1450	2900 2900 1450	1450 2900 1450

Capacity Analysis Module:

Vol/Sat:	0.02 0.24 0.00	0.14 0.29 0.00	0.09 0.07 0.00	0.04 0.06 0.00
Crit Volume:	354	199	137	84
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:28 Page 42-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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): 0.370
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	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 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 2 0 1

Volume Module:

Base Vol:	64 7 11	17 17 22	8 418 115	28 846 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:	64 7 11	17 17 22	8 418 115	28 846 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:	64 7 11	17 17 22	8 418 115	28 846 14
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	64 7 11	17 17 22	8 418 115	28 846 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:	64 7 11	17 17 22	8 418 115	28 846 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:	0.90 0.10 1.00	0.50 0.50 1.00	1.00 1.57 0.43	1.00 2.00 1.00
Final Sat.:	1307 143 1450	725 725 1450	1450 2274 626	1450 2900 1450

Capacity Analysis Module:

Vol/Sat:	0.05 0.05 0.01	0.02 0.02 0.02	0.01 0.18 0.18	0.02 0.29 0.01
Crit Volume:	71	34	8	423
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:28 Page 43-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #41 Eureka Rd & Deer Valley Apts

Cycle (sec): 120 Critical Vol./Cap.(X): 0.376
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	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 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	0 1 0 0 1

Volume Module:

Base Vol:	48	701	9	6	838	7	18	5	53	15	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:	48	701	9	6	838	7	18	5	53	15	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:	48	701	9	6	838	7	18	5	53	15	1	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	48	701	9	6	838	7	18	5	53	15	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
FinalVolume:	48	701	9	6	838	7	18	5	53	15	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	1.97	0.03	1.00	1.98	0.02	1.00	0.09	0.91	0.94	0.06	1.00
Final Sat.:	1450	2863	37	1450	2876	24	1450	125	1325	1359	91	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.24	0.24	0.00	0.29	0.29	0.01	0.04	0.04	0.01	0.01	0.00
Crit Volume:	48			423			58			16		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 44-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #42 Fairway & Central Park/Lowes

Cycle (sec): 120 Critical Vol./Cap.(X): 0.440
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:	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 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	69	183	22	69	277	82	55	143	37	44	246	110
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	69	183	22	69	277	82	55	143	37	44	246	110
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	183	22	69	277	82	55	143	37	44	246	110
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	183	22	69	277	82	55	143	37	44	246	110
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	69	183	22	69	277	82	55	143	37	44	246	110

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.13	0.02	0.05	0.19	0.06	0.04	0.05	0.03	0.03	0.08	0.08
Crit Volume:	183			277			55			123		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 45-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #43 Fairway & Cortina Circle

Cycle (sec): 100 Critical Vol./Cap.(X): 0.267
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	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 0 1	1 0 2 0 1	1 1 0 0 1	1 0 0 1 0

Volume Module:

Base Vol:	90	619	9	11	326	89	46	0	31	9	1	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:	90	619	9	11	326	89	46	0	31	9	1	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:	90	619	9	11	326	89	46	0	31	9	1	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	619	9	11	326	89	46	0	31	9	1	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:	90	619	9	11	326	89	46	0	31	9	1	35

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.03	0.97
Final Sat.:	1450	2900	1450	1450	2900	1450	2900	0	1450	1450	40	1410

Capacity Analysis Module:

Vol/Sat:	0.06	0.21	0.01	0.01	0.11	0.06	0.02	0.00	0.02	0.01	0.02	0.02
Crit Volume:	310	11							31			36
Crit Moves:	****	****							****			****

FR25 AM Thu Sep 19, 2013 08:52:28 Page 46-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #44 Fairway & Five Star

Cycle (sec): 120 Critical Vol./Cap.(X): 0.398
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:	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:	1 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	23	166	71	44	173	138	87	90	13	38	213	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:	23	166	71	44	173	138	87	90	13	38	213	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:	23	166	71	44	173	138	87	90	13	38	213	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	166	71	44	173	138	87	90	13	38	213	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:	23	166	71	44	173	138	87	90	13	38	213	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	1.00	1.00	0.20	0.80	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	294	1156	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.11	0.05	0.15	0.15	0.10	0.06	0.03	0.01	0.03	0.07	0.04
Crit Volume:	166	217	87							107		
Crit Moves:	****	****	****							****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 47-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #45 Fairway & Home Depot

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:	Split Phase	Split Phase	Protected	Protected
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:	0 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	54	195	5	30	280	70	81	78	34	4	205	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:	54	195	5	30	280	70	81	78	34	4	205	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:	54	195	5	30	280	70	81	78	34	4	205	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	195	5	30	280	70	81	78	34	4	205	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:	54	195	5	30	280	70	81	78	34	4	205	5

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.22	0.78	1.00	0.10	0.90	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	314	1136	1450	140	1310	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.17	0.00	0.21	0.21	0.05	0.06	0.03	0.02	0.00	0.07	0.00
Crit Volume:	249	310		81	103							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:28 Page 48-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #46 Fairway & Target/Rosehall

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:	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:	1 1 0 0 1	0 0 1! 0 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	44	260	36	4	285	20	40	49	43	44	429	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:	44	260	36	4	285	20	40	49	43	44	429	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:	44	260	36	4	285	20	40	49	43	44	429	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	260	36	4	285	20	40	49	43	44	429	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:	44	260	36	4	285	20	40	49	43	44	429	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	0.01	0.93	0.06	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	19	1337	94	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.18	0.02	0.21	0.21	0.21	0.03	0.02	0.03	0.03	0.15	0.01
Crit Volume:	260	309	40	215								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:28 Page 49-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #47 Fiddymment & Del Webb/Village Green

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

Volume Module:

Base Vol:	52	1069	42	77	1226	112	259	88	16	26	26	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:	52	1069	42	77	1226	112	259	88	16	26	26	32
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:	52	1069	42	77	1226	0	259	88	16	26	26	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	1069	42	77	1226	0	259	88	16	26	26	32
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:	52	1069	42	77	1226	0	259	88	16	26	26	32

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.04	0.37	0.03	0.05	0.42	0.00	0.18	0.06	0.01	0.02	0.02	0.02
Crit Volume:	52			613			259			26		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 50-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #48 Fiddymment & Hayden Pkwy North

Cycle (sec): 100 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:	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	1 0 1 0 1

Volume Module:

Base Vol:	44	937	108	19	798	8	117	11	95	97	6	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:	44	937	108	19	798	8	117	11	95	97	6	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:	44	937	108	19	798	8	117	11	95	97	6	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	937	108	19	798	8	117	11	95	97	6	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:	44	937	108	19	798	8	117	11	95	97	6	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	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.32	0.07	0.01	0.28	0.01	0.08	0.01	0.07	0.07	0.00	0.03
Crit Volume:	468			19			95		97			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:28 Page 51-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #49 Fiddymment & Hayden Pkwy South

Cycle (sec): 100 Critical Vol./Cap.(X): 0.568
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			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:	1	0	2	0	0	2	0	0	1	0	0	0

Volume Module:

Base Vol:	65	1217	0	0	1340	64	117	0	42	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:	65	1217	0	0	1340	64	117	0	42	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:	65	1217	0	0	1340	64	117	0	42	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	65	1217	0	0	1340	64	117	0	42	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:	65	1217	0	0	1340	64	117	0	42	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	0.41	0.00	0.00	0.45	0.04	0.08	0.00	0.03	0.00	0.00	0.00
Crit Volume:	65			670			117			0		
Crit Moves:	****			****			****					

FR25 AM Thu Sep 19, 2013 08:52:28 Page 52-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #50 Foothills & Baseline/Main

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:	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	1	0	4	0	1	2	0

Volume Module:

Base Vol:	442	1446	57	67	948	149	187	525	1004	64	323	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:	442	1446	57	67	948	149	187	525	1004	64	323	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:	442	1446	57	67	948	149	187	525	1004	64	323	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	442	1446	57	67	948	149	187	525	1004	64	323	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:	442	1446	57	67	948	149	187	525	1004	64	323	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	3.00	1.00	1.00	4.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00
Final Sat.:	2900	4350	1450	1450	5800	1450	2900	2900	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.15	0.33	0.04	0.05	0.16	0.10	0.06	0.18	0.69	0.04	0.07	0.05
Crit Volume:	482			67			1004			64		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 53-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #51 Foothills & Misty Wood/Nec

Cycle (sec): 120 Critical Vol./Cap.(X): 0.586
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	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	1 1 0 0 1

Volume Module:

Base Vol:	11 1811 410	36 333 8	41 9 18	46 1 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:	11 1811 410	36 333 8	41 9 18	46 1 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:	11 1811 410	36 333 8	41 9 18	46 1 4
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	11 1811 410	36 333 8	41 9 18	46 1 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:	11 1811 410	36 333 8	41 9 18	46 1 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 2.45 0.55	1.00 2.93 0.07	0.82 0.18 1.00	1.96 0.04 1.00
Final Sat.:	1450 3547 803	1450 4248 102	1189 261 1450	2838 62 1450

Capacity Analysis Module:

Vol/Sat:	0.01 0.51 0.51	0.02 0.08 0.08	0.03 0.03 0.01	0.02 0.02 0.00
Crit Volume:	740	36	50	24
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:28 Page 54-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #52 Foothills Bl & Albertsons Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.523
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:	Protected	Protected	Split Phase	Split Phase
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:	1 0 3 0 1	1 0 3 0 1	1 1 0 0 1	1 0 1 0 1

Volume Module:

Base Vol:	299 1057 147	91 1078 374	84 4 53	56 4 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:	299 1057 147	91 1078 374	84 4 53	56 4 15
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:	299 1057 147	91 1078 374	84 4 0	56 4 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	299 1057 147	91 1078 374	84 4 0	56 4 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:	299 1057 147	91 1078 374	84 4 0	56 4 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	1.91 0.09 1.00	1.00 1.00 1.00
Final Sat.:	1450 4350 1450	1450 4350 1450	2768 132 1450	1450 1450 1450

Capacity Analysis Module:

Vol/Sat:	0.21 0.24 0.10	0.06 0.25 0.26	0.03 0.03 0.00	0.04 0.00 0.00
Crit Volume:	299	359	44	56
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:28 Page 55-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #53 Foothills Bl & Atkinson Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.547
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:	Protected			Protected			Permitted			Permitted		
Rights:	Ovl			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:	0	0	3	0	1	0	0	0	0	1	0	0

Volume Module:

Base Vol:	0	1809	22	0	2142	0	0	0	0	106	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1809	22	0	2142	0	0	0	0	106	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	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	1809	22	0	2142	0	0	0	0	106	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1809	22	0	2142	0	0	0	0	106	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	1809	22	0	2142	0	0	0	0	106	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:	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	4500	1500	1500	4500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.40	0.01	0.00	0.48	0.00	0.00	0.00	0.00	0.07	0.00	0.00
Crit Volume:	0			714			0			106		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 56-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #54 Foothills Bl & Roseville Pkwy/HP Central

Cycle (sec): 120 Critical Vol./Cap.(X): 0.814
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			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	0	2	0	2	0	1	0

Volume Module:

Base Vol:	159	911	636	629	489	82	3	70	11	381	355	624
Growth Adj:	1.00	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	911	636	629	489	82	3	70	11	381	355	624
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:	159	911	636	629	489	0	3	70	0	381	355	624
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	159	911	636	629	489	0	3	70	0	381	355	624
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:	159	911	636	629	489	0	3	70	0	381	355	624

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.05	0.31	0.44	0.22	0.17	0.00	0.00	0.02	0.00	0.09	0.24	0.43
Crit Volume:				636	315		2			355		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 57-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #55 Foothills Bl & HP South

Cycle (sec): 120 Critical Vol./Cap.(X): 0.741
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 72 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	Permitted	Permitted
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 0 1	1 0 2 1 0	1 1 0 0 1	1 1 0 0 1

Volume Module:

Base Vol:	1 1851 131	173 624 35	2 2 4	18 2 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:	1 1851 131	173 624 35	2 2 4	18 2 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:	1 1851 131	173 624 35	2 2 4	18 2 34
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	1 1851 131	173 624 35	2 2 4	18 2 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:	1 1851 131	173 624 35	2 2 4	18 2 34

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 2.84 0.16	1.00 1.00 1.00	1.80 0.20 1.00
Final Sat.:	1500 3000 1500	1500 4261 239	1500 1500 1500	2700 300 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.62 0.09	0.12 0.15 0.15	0.00 0.00 0.00	0.01 0.01 0.02
Crit Volume:	926	173	4	10
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:28 Page 58-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #56 Foothills Bl & Junction Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.802
Loss Time (sec): 12 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:	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:	2 0 3 0 1	2 0 3 0 1	2 0 2 0 1	2 0 3 0 1

Volume Module:

Base Vol:	90 1450 222	201 868 105	461 974 119	184 191 144
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:	90 1450 222	201 868 105	461 974 119	184 191 144
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:	90 1450 0	201 868 0	461 974 119	184 191 144
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	90 1450 0	201 868 0	461 974 119	184 191 144
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:	90 1450 0	201 868 0	461 974 119	184 191 144

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.03 0.33 0.00	0.07 0.20 0.00	0.16 0.34 0.08	0.06 0.04 0.10
Crit Volume:	483	101	487	92
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:28 Page 59-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #57 Foothills Bl & Mcanally Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.599
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			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:	77	1823	32	6	962	38	122	13	240	73	8	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:	77	1823	32	6	962	38	122	13	240	73	8	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:	77	1823	32	6	962	38	122	13	240	73	8	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	1823	32	6	962	38	122	13	240	73	8	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:	77	1823	32	6	962	38	122	13	240	73	8	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:	1.00	2.95	0.05	1.00	2.89	0.11	0.90	0.10	1.00	0.90	0.10	1.00
Final Sat.:	1450	4275	75	1450	4185	165	1310	140	1450	1307	143	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.43	0.43	0.00	0.23	0.23	0.09	0.09	0.17	0.06	0.06	0.01
Crit Volume:	618	6		240	81							
Crit Moves:	***	***		***	***							

FR25 AM Thu Sep 19, 2013 08:52:28 Page 60-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #58 Foothills Bl & Pleasant Grove Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.878
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	2	0	4	2	0	3	3	0	3

Volume Module:

Base Vol:	203	1492	542	84	290	101	686	1695	166	505	739	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:	203	1492	542	84	290	101	686	1695	166	505	739	153
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:	203	1492	0	84	290	0	686	1695	0	505	739	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	203	1492	0	84	290	0	686	1695	0	505	739	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:	203	1492	0	84	290	0	686	1695	0	505	739	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	4.00	1.00	2.00	3.00	1.00	3.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	5800	1450	2900	4350	1450	4350	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.34	0.00	0.03	0.05	0.00	0.24	0.39	0.00	0.12	0.17	0.00
Crit Volume:	497	42		565	168							
Crit Moves:	***	***		***	***							

FR25 AM Thu Sep 19, 2013 08:52:28 Page 61-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #59 Foothills Blvd & Rand/Pilgrims

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:	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	0	0	1	0

Volume Module:

Base Vol:	19	1720	20	9	1204	10	47	2	46	36	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:	19	1720	20	9	1204	10	47	2	46	36	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:	19	1720	20	9	1204	10	47	2	46	36	3	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	1720	20	9	1204	10	47	2	46	36	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:	19	1720	20	9	1204	10	47	2	46	36	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	2.97	0.03	1.00	2.98	0.02	0.50	0.02	0.48	0.77	0.06	0.17
Final Sat.:	1450	4300	50	1450	4314	36	717	31	702	1111	93	247

Capacity Analysis Module:

Vol/Sat:	0.01	0.40	0.40	0.01	0.28	0.28	0.07	0.07	0.07	0.03	0.03	0.03
Crit Volume:	580			9			95			47		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 62-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #60 Foothills Bl & Vineyard 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:	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	0	2	0	2	1	0	1

Volume Module:

Base Vol:	113	1899	93	130	1796	42	115	279	288	167	45	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:	113	1899	93	130	1796	42	115	279	288	167	45	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	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:	113	1899	0	130	1796	42	115	279	288	167	45	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	113	1899	0	130	1796	42	115	279	288	167	45	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:	113	1899	0	130	1796	42	115	279	288	167	45	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	2.93	0.07	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4251	99	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.44	0.00	0.04	0.42	0.42	0.08	0.10	0.20	0.06	0.02	0.00
Crit Volume:	633			65			288			84		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 63-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #61 Galleria & Antelope Creek

Cycle (sec): 120 Critical Vol./Cap.(X): 0.439
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:	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:	18 1507	50	179 1823	38	6	1	11	52	4	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	1.00	1.00
Initial Bse:	18 1507	50	179 1823	38	6	1	11	52	4	115
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	0.00	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 1.00	0.00	0.00
PHF Volume:	18 1507	0	179 1823	38	6	1	0	52	4	0
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0	0 0 0	0	0
Reduced Vol:	18 1507	0	179 1823	38	6	1	0	52	4	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 1.00	0.00	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 1.00	0.00	0.00
FinalVolume:	18 1507	0	179 1823	38	6	1	0	52	4	0

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.01 0.35	0.00	0.06 0.42	0.03	0.00 0.00	0.00	0.01 0.00	0.00	0.00	0.00
Crit Volume:	9		608		2		17			
Crit Moves:	****		****		****		****			

FR25 AM Thu Sep 19, 2013 08:52:28 Page 64-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #62 Galleria & Berry

Cycle (sec): 120 Critical Vol./Cap.(X): 0.669
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
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 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	33 1601	3	11 1642	16	113	0	96	3	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	1.00 1.00	1.00
Initial Bse:	33 1601	3	11 1642	16	113	0	96	3	0	8
User Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
PHF Adj:	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:	33 1601	3	11 1642	16	113	0	96	3	0	8
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	33 1601	3	11 1642	16	113	0	96	3	0	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	1.00 1.00	1.00
MLF Adj:	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:	33 1601	3	11 1642	16	113	0	96	3	0	8

Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
Adjustment:	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
Lanes:	1.00 1.99	0.01	1.00 2.00	1.00	1.00 0.00	1.00	1.00 0.00	1.00	1.00 0.00	1.00
Final Sat.:	1450 2895	5	1450 2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.02 0.55	0.55	0.01 0.57	0.01	0.08 0.00	0.07	0.00 0.00	0.01		
Crit Volume:	33		821		113		3			
Crit Moves:	****		****		****		****			

FR25 AM Thu Sep 19, 2013 08:52:28 Page 65-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #63 Galleria & Roseville Pkwy

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:	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 3 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	839	700	46	1006	664	170	289	1146	607	49	1457	537
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	839	700	46	1006	664	170	289	1146	607	49	1457	537
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:	839	700	0	1006	664	0	289	1146	0	49	1457	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	839	700	0	1006	664	0	289	1146	0	49	1457	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:	839	700	0	1006	664	0	289	1146	0	49	1457	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	3.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.29	0.16	0.00	0.23	0.15	0.00	0.10	0.20	0.00	0.02	0.25	0.00
Crit Volume:	420			221			145			364		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 66-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #64 Harding & Wills

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

Volume Module:

Base Vol:	27	1213	7	12	1249	442	384	17	267	2	2	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:	27	1213	7	12	1249	442	384	17	267	2	2	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:	27	1213	7	12	1249	442	384	17	267	2	2	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	1213	7	12	1249	442	384	17	267	2	2	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:	27	1213	7	12	1249	442	384	17	267	2	2	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:	2.00	1.99	0.01	1.00	2.00	1.00	2.00	0.06	0.94	1.00	1.00	1.00
Final Sat.:	2900	2883	17	1450	2900	1450	2900	87	1363	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.42	0.42	0.01	0.43	0.30	0.13	0.20	0.20	0.00	0.00	0.00
Crit Volume:	13			625			284			2		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:28 Page 67-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #65 Harding Bl & Estates Dr

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	Split Phase	Split Phase
Rights:	Include	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 1 1 0	1 0 1 1 0	1 0 1! 0 0	0 1 0 0 1

Volume Module:

Base Vol:	33 846 2	31 498 94	277 19 32	25 14 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:	33 846 2	31 498 94	277 19 32	25 14 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:	33 846 2	31 498 94	277 19 32	25 14 27
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	33 846 2	31 498 94	277 19 32	25 14 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:	33 846 2	31 498 94	277 19 32	25 14 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 1.99 0.01	1.00 1.68 0.32	1.69 0.12 0.19	0.64 0.36 1.00
Final Sat.:	1450 2893 7	1450 2440 460	2449 168 283	929 521 1450

Capacity Analysis Module:

Vol/Sat:	0.02 0.29 0.29	0.02 0.20 0.20	0.11 0.11 0.11	0.03 0.03 0.02
Crit Volume:	424	31	164	39
Crit Moves:	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:28 Page 68-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #66 Harding Bl & Lead Hill Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.706
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 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	Permitted
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	2 0 2 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0 721 433	747 649 0	0 0 0	197 0 626
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 721 433	747 649 0	0 0 0	197 0 626
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 721 433	747 649 0	0 0 0	197 0 626
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 721 433	747 649 0	0 0 0	197 0 626
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 721 433	747 649 0	0 0 0	197 0 626

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 0.24 0.29	0.25 0.22 0.00	0.00 0.00 0.00	0.07 0.00 0.42
Crit Volume:	433	0	0	626
Crit Moves:	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:28 Page 69-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #67 Harding Bl & Roseville Square

Cycle (sec): 120 Critical Vol./Cap.(X): 0.346
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			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:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	24	887	22	11	598	9	22	3	9	28	2	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	887	22	11	598	9	22	3	9	28	2	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	887	22	11	598	9	22	3	9	28	2	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	887	22	11	598	9	22	3	9	28	2	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	887	22	11	598	9	22	3	9	28	2	7

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	1.95	0.05	1.00	1.97	0.03	0.88	0.12	1.00	0.93	0.07	1.00
Final Sat.:	1500	2927	73	1500	2956	44	1320	180	1500	1400	100	1500

Capacity Analysis Module:

Vol/Sat:	0.02	0.30	0.30	0.01	0.20	0.20	0.02	0.02	0.01	0.02	0.02	0.00
Crit Volume:	455	11		25	28							
Crit Moves:	***	***		***	***							

FR25 AM Thu Sep 19, 2013 08:52:28 Page 70-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #68 Junction & Stonecrest/Magenta

Cycle (sec): 120 Critical Vol./Cap.(X): 0.729
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 69 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:	Permitted			Permitted			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	2	1	0	2

Volume Module:

Base Vol:	7	59	11	494	17	42	59	1064	3	1	243	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:	7	59	11	494	17	42	59	1064	3	1	243	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:	1.00	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	59	11	494	17	42	59	1064	3	1	243	163
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	59	11	494	17	42	59	1064	3	1	243	163
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	7	59	11	494	17	42	59	1064	3	1	243	163

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:	0.11	0.89	1.00	0.97	0.03	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	159	1341	1500	1450	50	1500	1500	3000	1500	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.01	0.34	0.34	0.03	0.04	0.35	0.00	0.00	0.08	0.11
Crit Volume:	66	494		532	1							
Crit Moves:	***	***		***	***							

FR25 AM Thu Sep 19, 2013 08:52:28 Page 71-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #69 Junction Bl & Americana Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.590
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			Permitted			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	0	0	0	0	2	0	1	1
Volume Module:												
Base Vol:	74	0	124	0	0	0	0	1423	147	100	205	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:	74	0	124	0	0	0	0	1423	147	100	205	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:	74	0	124	0	0	0	0	1423	147	100	205	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	0	124	0	0	0	0	1423	147	100	205	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:	74	0	124	0	0	0	0	1423	147	100	205	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:	0.05	0.00	0.08	0.00	0.00	0.00	0.00	0.47	0.10	0.07	0.07	0.00
Crit Volume:	74			0				712		100		
Crit Moves:	****							****		****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 72-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #70 Junction Bl & Baseline Rd

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:	Permitted			Permitted			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:	0	0	0	0	0	0	1	0	0	2	0	1
Volume Module:												
Base Vol:	0	0	0	44	0	413	968	1563	0	0	1025	43
Growth Adj:	1.00	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	44	0	413	968	1563	0	0	1025	43
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	44	0	413	968	1563	0	0	1025	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	44	0	413	968	1563	0	0	1025	43
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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	44	0	454	968	1563	0	0	1025	43
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	2.00	2.00	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1500	0	3000	3000	3000	0	0	3000	1500
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.15	0.32	0.52	0.00	0.00	0.34	0.03
Crit Volume:	0			44			484				513	
Crit Moves:				****			****				****	

FR25 AM Thu Sep 19, 2013 08:52:29 Page 73-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #71 Junction Bl & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.822
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
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	1	1	0	1

Volume Module:

Base Vol:	80	210	255	128	208	142	188	1024	111	32	198	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:	80	210	255	128	208	142	188	1024	111	32	198	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:	80	210	255	128	208	142	188	1024	111	32	198	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	210	255	128	208	142	188	1024	111	32	198	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:	80	210	255	128	208	142	188	1024	111	32	198	79

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.45	0.55	1.00	0.59	0.41	1.00	1.80	0.20	1.00	1.43	0.57
Final Sat.:	1450	655	795	1450	862	588	1450	2616	284	1450	2073	827

Capacity Analysis Module:

Vol/Sat:	0.06	0.32	0.32	0.09	0.24	0.24	0.13	0.39	0.39	0.02	0.10	0.10
Crit Volume:	465	128		568	32							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:29 Page 74-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #72 Junction Bl & Park Regency Dr

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:	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	1

Volume Module:

Base Vol:	11	92	96	116	49	21	46	1506	13	74	351	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:	11	92	96	116	49	21	46	1506	13	74	351	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:	11	92	96	116	49	21	46	1506	13	74	351	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	92	96	116	49	21	46	1506	13	74	351	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:	11	92	96	116	49	21	46	1506	13	74	351	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	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	0.07	0.08	0.03	0.01	0.03	0.52	0.01	0.05	0.12	0.04
Crit Volume:	92	116		753	74							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:29 Page 75-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #73 Junction Bl & Porter Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.629
Loss Time (sec): 12 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	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:	46	14	137	58	12	8	2	1398	11	71	246	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:	46	14	137	58	12	8	2	1398	11	71	246	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:	46	14	137	58	12	8	2	1398	11	71	246	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	14	137	58	12	8	2	1398	11	71	246	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:	46	14	137	58	12	8	2	1398	11	71	246	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:	0.77	0.23	1.00	0.83	0.17	1.00	1.00	1.98	0.02	1.00	1.95	0.05
Final Sat.:	1112	338	1450	1201	249	1450	1450	2877	23	1450	2831	69

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.09	0.05	0.05	0.01	0.00	0.49	0.49	0.05	0.09	0.09
Crit Volume:	137	70	705	0	0	0	0	0	0	0	0	0
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:29 Page 76-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #74 Junction Bl & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.555
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:	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 0 0 0	0 0 1! 0 0	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	76	0	14	17	1484	0	0	265	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	76	0	14	17	1484	0	0	265	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:	0	0	0	76	0	14	17	1484	0	0	265	26
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	76	0	14	17	1484	0	0	265	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:	0	0	0	76	0	14	17	1484	0	0	265	26

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	0.84	0.00	0.16	1.00	2.00	0.00	0.00	1.82	0.18
Final Sat.:	0	0	0	1267	0	233	1500	3000	0	0	2732	268

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.06	0.01	0.49	0.00	0.00	0.10	0.10
Crit Volume:	0	0	0	90	0	742	0	0	0	0	0	0
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:29 Page 77-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #75 Junction Bl & Washington Bl

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	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:	171	819	0	1	502	141	710	2	915	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:	171	819	0	1	502	141	710	2	915	7	2	3
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:	171	819	0	1	502	141	710	2	0	7	2	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	171	819	0	1	502	141	710	2	0	7	2	3
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:	171	819	0	1	502	141	710	2	0	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:	2.00	2.00	0.00	1.00	2.00	1.00	1.99	0.01	1.00	1.00	0.40	0.60
Final Sat.:	2900	2900	0	1450	2900	1450	2892	8	1450	1450	580	870

Capacity Analysis Module:

Vol/Sat:	0.06	0.28	0.00	0.00	0.17	0.10	0.25	0.25	0.00	0.00	0.00	0.00
Crit Volume:	410	1		356	7							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:29 Page 78-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #76 Junction Bl & Woodcreek Oaks Bl

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:	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

Volume Module:

Base Vol:	29	368	144	185	186	122	903	990	38	40	249	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:	29	368	144	185	186	122	903	990	38	40	249	146
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:	29	368	0	185	186	0	903	990	0	40	249	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	368	0	185	186	0	903	990	0	40	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:	29	368	0	185	186	0	903	990	0	40	249	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	0.13	0.00	0.06	0.06	0.00	0.31	0.34	0.00	0.01	0.09	0.00
Crit Volume:	184	93		452	125							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:29 Page 79-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #77 Lead Hill Bl & N Sunrise Av

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	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	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	460	332	109	87	490	89	204	609	325	69	301	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:	460	332	109	87	490	89	204	609	325	69	301	75
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	460	332	109	87	490	89	204	609	325	69	301	75
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	460	332	109	87	490	89	204	609	325	69	301	75
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	460	332	109	87	490	89	204	609	325	69	301	75

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.16	0.08	0.08	0.03	0.11	0.06	0.14	0.21	0.22	0.05	0.10	0.05
Crit Volume:	230			163			305			69		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 80-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #78 Lead Hill Bl & Rocky Ridge Dr

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	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 1 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	328	565	63	9	243	81	42	327	280	19	147	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:	328	565	63	9	243	81	42	327	280	19	147	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	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:	328	565	0	9	243	81	42	327	0	19	147	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	328	565	0	9	243	81	42	327	0	19	147	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:	328	565	0	9	243	81	42	327	0	19	147	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	2.25	0.75	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	3263	1088	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.23	0.19	0.00	0.01	0.07	0.07	0.03	0.11	0.00	0.01	0.05	0.00
Crit Volume:	328			108			164			19		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 81-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #79 Lead Hill Bl & Wal-Mart

Cycle (sec): 120 Critical Vol./Cap.(X): 0.257
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:	Permitted	Permitted	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:	34	0	14	0	0	0	0	620	50	41	504	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:	34	0	14	0	0	0	0	620	50	41	504	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:	34	0	14	0	0	0	0	620	50	41	504	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	0	14	0	0	0	0	620	50	41	504	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:	34	0	14	0	0	0	0	620	50	41	504	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	0.21	0.03	0.03	0.17	0.00
Crit Volume:	34			0				310		41		
Crit Moves:	****							****		****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 82-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #80 N Sunrise Av & Automall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.364
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	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	1 0 3 0 1	1 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	29	315	177	221	501	82	84	6	16	77	8	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:	29	315	177	221	501	82	84	6	16	77	8	185
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	315	177	221	501	82	84	6	16	77	8	185
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	315	177	221	501	82	84	6	16	77	8	185
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	29	315	177	221	501	82	84	6	16	77	8	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	2.00	1.00	1.00	3.00	1.00	1.87	0.13	1.00	0.91	0.09	1.00
Final Sat.:	1450	2900	1450	1450	4350	1450	2707	193	1450	1314	136	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.11	0.12	0.15	0.12	0.06	0.03	0.03	0.01	0.06	0.06	0.13
Crit Volume:	177	221		45			85					
Crit Moves:	****	****		****			****					

FR25 AM Thu Sep 19, 2013 08:52:29 Page 83-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #81 N Sunrise Av & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.444
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:	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 3 0 1	1 0 3 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0	505	6	314	581	0	0	0	0	58	0	183
Growth Adj:	1.00	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	505	6	314	581	0	0	0	0	58	0	183
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	505	6	314	581	0	0	0	0	58	0	183
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	505	6	314	581	0	0	0	0	58	0	183
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	505	6	314	581	0	0	0	0	58	0	183

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	0.11	0.00	0.21	0.13	0.00	0.00	0.00	0.00	0.02	0.00	0.12
Crit Volume:	168	314	0	0	0	0	0	0	0	183	0	183
Crit Moves:	****	****								****		****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 84-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #82 N. Sunrise & Sierra Gardens

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:	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 3 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	37	711	86	237	554	18	15	2	17	35	2	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:	37	711	86	237	554	18	15	2	17	35	2	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:	37	711	86	237	554	18	15	2	17	35	2	172
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	711	86	237	554	18	15	2	17	35	2	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:	37	711	86	237	554	18	15	2	17	35	2	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	1.78	0.22	1.00	3.00	1.00	0.88	0.12	1.00	0.95	0.05	1.00
Final Sat.:	1450	2587	313	1450	4350	1450	1279	171	1450	1372	78	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.27	0.27	0.16	0.13	0.01	0.01	0.01	0.01	0.03	0.03	0.12
Crit Volume:	399	237	17	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****								****		****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 85-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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): 0.121
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:	22	1	22	13	2	5	1	152	23	23	230	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:	22	1	22	13	2	5	1	152	23	23	230	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:	22	1	22	13	2	5	1	152	23	23	230	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	1	22	13	2	5	1	152	23	23	230	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:	22	1	22	13	2	5	1	152	23	23	230	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:	0.49	0.02	0.49	0.65	0.10	0.25	1.00	1.74	0.26	1.00	1.97	0.03
Final Sat.:	709	32	709	943	145	363	1450	2519	381	1450	2850	50

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.01	0.01	0.01	0.00	0.06	0.06	0.02	0.08	0.08
Crit Volume:	45			20			87		23			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:29 Page 86-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #84 PFE & Hilltop

Cycle (sec): 100 Critical Vol./Cap.(X): 0.299
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			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:	6	0	12	67	0	37	181	683	10	8	227	128
Growth Adj:	1.00	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	12	67	0	37	181	683	10	8	227	128
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	12	67	0	37	181	683	10	8	227	128
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	12	67	0	37	181	683	10	8	227	128
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	12	67	0	37	181	683	10	8	227	128

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.97	0.03	1.00	1.28	0.72
Final Sat.:	1450	0	1450	1450	0	1450	1450	2858	42	1450	1854	1046

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.05	0.00	0.03	0.12	0.24	0.24	0.01	0.12	0.12
Crit Volume:	12		67				347		8			
Crit Moves:	****		****				****		****			

FR25 AM Thu Sep 19, 2013 08:52:29 Page 87-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #85 Pleasant Grove & Fairway

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:	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:	448	823	380	48	1025	145	45	175	163	297	244	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:	448	823	380	48	1025	145	45	175	163	297	244	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:	448	823	380	48	1025	145	45	175	163	297	244	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	448	823	380	48	1025	145	45	175	163	297	244	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:	448	823	380	48	1025	145	45	175	163	297	244	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:	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:	0.15	0.19	0.26	0.02	0.24	0.10	0.02	0.06	0.11	0.10	0.08	0.02
Crit Volume:	224			342			88			149		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 88-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #86 Pleasant Grove & Fiddymment

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:	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	3 0 1 0 1

Volume Module:

Base Vol:	347	1133	1058	11	1183	28	53	738	538	709	360	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:	347	1133	1058	11	1183	28	53	738	538	709	360	28
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:	347	1133	0	11	1183	0	53	738	0	709	360	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	347	1133	0	11	1183	0	53	738	0	709	360	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:	347	1133	0	11	1183	0	53	738	0	709	360	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	3.00	1.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.26	0.00	0.00	0.27	0.00	0.02	0.25	0.00	0.16	0.25	0.00
Crit Volume:	174				394		369			236		
Crit Moves:	****				****		****			****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 89-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #87 Pleasant Grove & Gold Coast/Hallissy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.715
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: 1 0 1 0 1 1 0 1 0 3 0 1 1 0 3 0 1

Volume Module:
Base Vol: 106 21 56 127 7 9 19 2478 17 63 1407 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: 106 21 56 127 7 9 19 2478 17 63 1407 52
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: 106 21 0 127 7 0 19 2478 0 63 1407 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 106 21 0 127 7 0 19 2478 0 63 1407 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: 106 21 0 127 7 0 19 2478 0 63 1407 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: 0.07 0.01 0.00 0.09 0.00 0.00 0.01 0.57 0.00 0.04 0.32 0.00
Crit Volume: 21 127 826 63
Crit Moves: ****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 90-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #88 Pleasant Grove & Highland Park

Cycle (sec): 120 Critical Vol./Cap.(X): 0.337
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 0 3 0 1 1 0 1 1 0 2 0 0 1 0

Volume Module:
Base Vol: 5 656 146 54 975 8 14 18 46 226 12 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: 5 656 146 54 975 8 14 18 46 226 12 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: 5 656 146 54 975 8 14 18 46 226 12 41
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 5 656 146 54 975 8 14 18 46 226 12 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: 5 656 146 54 975 8 14 18 46 226 12 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: 1.00 3.00 1.00 1.00 3.00 1.00 1.00 1.00 1.00 2.00 0.23 0.77
Final Sat.: 1450 4350 1450 1450 4350 1450 1450 1450 2900 328 1122

Capacity Analysis Module:
Vol/Sat: 0.00 0.15 0.10 0.04 0.22 0.01 0.01 0.01 0.03 0.08 0.04 0.04
Crit Volume: 5 325 46 113
Crit Moves: ****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 91-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #89 Pleasant Grove & Market

Cycle (sec): 100 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	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 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

Volume Module:

Base Vol:	18	130	105	45	126	85	146	1039	11	76	417	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:	18	130	105	45	126	85	146	1039	11	76	417	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:	18	130	105	45	126	85	146	1039	11	76	417	55
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	130	105	45	126	85	146	1039	11	76	417	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:	18	130	105	45	126	85	146	1039	11	76	417	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:	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.09	0.07	0.03	0.09	0.06	0.10	0.36	0.01	0.05	0.14	0.04
Crit Volume:	130	45	520	76								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:29 Page 92-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #90 Pleasant Grove & Michener

Cycle (sec): 100 Critical Vol./Cap.(X): 0.658
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:	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 0 0 0 1	1 0 2 0 0	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	26	0	54	55	1867	0	0	1008	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	26	0	54	55	1867	0	0	1008	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	26	0	54	55	1867	0	0	1008	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	26	0	54	55	1867	0	0	1008	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	26	0	54	55	1867	0	0	1008	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	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	0.02	0.00	0.04	0.04	0.62	0.00	0.00	0.34	0.02
Crit Volume:	0			54		933			0			
Crit Moves:				****		****			****			

FR25 AM Thu Sep 19, 2013 08:52:29 Page 93-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #91 Pleasant Grove & Monument

Cycle (sec): 100 Critical Vol./Cap.(X): 0.464
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:	1 0 1 0 1	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	9	30	47	17	8	14	27	1162	8	45	540	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:	9	30	47	17	8	14	27	1162	8	45	540	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:	9	30	47	17	8	14	27	1162	8	45	540	49
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	30	47	17	8	14	27	1162	8	45	540	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:	9	30	47	17	8	14	27	1162	8	45	540	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	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.03	0.01	0.01	0.01	0.02	0.40	0.01	0.03	0.19	0.03
Crit Volume:	30	17	581	45								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:29 Page 94-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #92 Pleasant Grove & Rose Creek

Cycle (sec): 100 Critical Vol./Cap.(X): 0.642
Loss Time (sec): 0 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:	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 0 0 0	0 0 1! 0 0	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	28	0	7	10	1870	0	0	1024	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	0	0	28	0	7	10	1870	0	0	1024	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:	0	0	0	28	0	7	10	1870	0	0	1024	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	28	0	7	10	1870	0	0	1024	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:	0	0	0	28	0	7	10	1870	0	0	1024	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	0.00	0.00	0.80	0.00	0.20	1.00	2.00	0.00	0.00	1.99	0.01
Final Sat.:	0	0	0	1200	0	300	1500	3000	0	0	2988	12

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.02	0.00	0.02	0.01	0.62	0.00	0.00	0.34	0.34
Crit Volume:	0	28	935	0								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:29 Page 95-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #93 Pleasant Grove & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 1.027
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	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:	453	1019	480	190	836	58	33	1531	924	750	809	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:	453	1019	480	190	836	58	33	1531	924	750	809	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:	453	1019	0	190	836	0	33	1531	0	750	809	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	453	1019	0	190	836	0	33	1531	0	750	809	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:	453	1019	0	190	836	0	33	1531	0	750	809	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:	0.10	0.35	0.00	0.07	0.19	0.00	0.01	0.35	0.00	0.26	0.19	0.00
Crit Volume:	510	95		510	375							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:29 Page 96-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #94 Pleasant Grove & Sun City

Cycle (sec): 120 Critical Vol./Cap.(X): 0.677
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:	Permitted	Permitted	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 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	157	0	21	2	1717	0	0	990	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	157	0	21	2	1717	0	0	990	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	157	0	21	2	1717	0	0	990	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	157	0	21	2	1717	0	0	990	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	157	0	21	2	1717	0	0	990	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	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	0.10	0.00	0.01	0.00	0.57	0.00	0.00	0.33	0.03
Crit Volume:	0			157				859		0		
Crit Moves:				****				****		****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 97-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #95 Pleasant Grove & Wal-Mart/Highland Pointe

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:	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 1 0	2 0 3 0 1	2 0 1 0 1	2 0 1 0 1

Volume Module:

Base Vol:	147 1839	99	172 1769	110	168	7	108	32	2	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	1.00 1.00	1.00
Initial Bse:	147 1839	99	172 1769	110	168	7	108	32	2	19
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	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	1.00 1.00	0.00
PHF Volume:	147 1839	0	172 1769	0	168	7	0	32	2	0
Reduct Vol:	0 0	0	0 0	0	0 0	0	0	0 0	0	0
Reduced Vol:	147 1839	0	172 1769	0	168	7	0	32	2	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	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	1.00 1.00	0.00
FinalVolume:	147 1839	0	172 1769	0	168	7	0	32	2	0

Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
Adjustment:	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
Lanes:	2.00 4.00	0.00	2.00 3.00	1.00	2.00 1.00	1.00	2.00 1.00	1.00	2.00 1.00	1.00
Final Sat.:	2900 5800	0	2900 4350	1450	2900 1450	1450	2900 1450	1450	2900 1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05 0.32	0.00	0.06 0.41	0.00	0.06 0.00	0.00	0.01 0.00	0.00	0.00	0.00
Crit Volume:	74		590		84		2			
Crit Moves:	****		****		****		****			

FR25 AM Thu Sep 19, 2013 08:52:29 Page 98-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #96 Pleasant Grove & Washington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.856
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 158 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	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 3 0 1	2 0 3 0 1	2 0 4 0 1

Volume Module:

Base Vol:	127 1065	464	99 405	259	288 1747	67	153 992	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:	127 1065	464	99 405	259	288 1747	67	153 992	131
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:	127 1065	0	99 405	259	288 1747	67	153 992	0
Reduct Vol:	0 0	0	0 0	0	0 0	0	0 0	0
Reduced Vol:	127 1065	0	99 405	259	288 1747	67	153 992	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:	127 1065	0	99 405	259	288 1747	67	153 992	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 3.00	1.00	2.00 3.00	1.00	2.00 4.00	1.00
Final Sat.:	2900 2900	1450	2900 4350	1450	2900 4350	1450	2900 5800	1450

Capacity Analysis Module:

Vol/Sat:	0.04 0.37	0.00	0.03 0.09	0.18	0.10 0.40	0.05	0.05 0.17	0.00
Crit Volume:	533		50		582		77	
Crit Moves:	****		****		****		****	

FR25 AM Thu Sep 19, 2013 08:52:29 Page 99-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #97 Pleasant Grove Bl & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.696
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:	Permitted	Permitted	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 2 1 0	1 0 3 0 0

Volume Module:

Base Vol:	149	0	168	0	0	0	0	2452	11	74	979	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:	149	0	168	0	0	0	0	2452	11	74	979	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:	149	0	168	0	0	0	0	2452	11	74	979	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	149	0	168	0	0	0	0	2452	11	74	979	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:	149	0	168	0	0	0	0	2452	11	74	979	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	2.99	0.01	1.00	3.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4480	20	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.11	0.00	0.00	0.00	0.00	0.55	0.55	0.05	0.22	0.00
Crit Volume:	149			0				821	74			
Crit Moves:	****							****	****			

FR25 AM Thu Sep 19, 2013 08:52:29 Page 100-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #98 Pleasant Grove Bl & Woodcreek Oaks Bl

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:	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 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	150	633	592	227	648	129	171	1603	186	80	785	259
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	150	633	592	227	648	129	171	1603	186	80	785	259
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:	150	633	0	227	648	0	171	1603	0	80	785	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	150	633	0	227	648	0	171	1603	0	80	785	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:	150	633	0	227	648	0	171	1603	0	80	785	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	0.22	0.00	0.08	0.22	0.00	0.06	0.37	0.00	0.03	0.18	0.00
Crit Volume:	317			114			534			40		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 101-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #99 Rocky Ridge Dr & Maidu Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.542
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	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	1 1395	20	63 256	5	7 2	3	6 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:	1 1395	20	63 256	5	7 2	3	6 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:	1 1395	20	63 256	5	7 2	3	6 0	13
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:	1 1395	20	63 256	5	7 2	3	6 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:	1 1395	20	63 256	5	7 2	3	6 0	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:	1.00 1.97	0.03	1.00 1.96	0.04	0.78 0.22	1.00	1.00 0.00	1.00
Final Sat.:	1450 2859	41	1450 2844	56	1128 322	1450	1450 0	1450

Capacity Analysis Module:

Vol/Sat:	0.00 0.49	0.49	0.04 0.09	0.09	0.01 0.01	0.00	0.00 0.00	0.01
Crit Volume:	708	63	9	6	6	6	131	131
Crit Moves:	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 102-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #100 Rocky Ridge Dr & McLaren Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.516
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	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:	0 0 1 1 0	1 0 2 0 0	0 0 0 0 0	0 1 0 1 0

Volume Module:

Base Vol:	0 1284	2	27 246	0	0 0	0	78 17	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:	0 1284	2	27 246	0	0 0	0	78 17	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:	0 1284	2	27 246	0	0 0	0	78 17	131
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 1284	2	27 246	0	0 0	0	78 17	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:	0 1284	2	27 246	0	0 0	0	78 17	131

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 1.99	0.01	1.00 2.00	0.00	0.00 0.00	0.00	0.69 0.31	1.00
Final Sat.:	0 2995	5	1500 3000	0	0 0	0	1035 465	1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.43	0.43	0.02 0.08	0.00	0.00 0.00	0.00	0.08 0.04	0.09
Crit Volume:	643	0	0	0	0	0	131	131
Crit Moves:	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 103-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #101 Rocky Ridge Dr & Professional Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.582
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			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:	10	1291	94	54	251	3	6	26	34	47	18	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:	10	1291	94	54	251	3	6	26	34	47	18	18
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:	10	1291	94	54	251	0	6	26	34	47	18	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	1291	94	54	251	0	6	26	34	47	18	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:	10	1291	94	54	251	0	6	26	34	47	18	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	1.86	0.14	1.00	2.00	1.00	0.19	0.81	1.00	0.72	0.28	1.00
Final Sat.:	1450	2703	197	1450	2900	1450	272	1178	1450	1048	402	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.48	0.48	0.04	0.09	0.00	0.02	0.02	0.02	0.04	0.04	0.00
Crit Volume:	693	54		32			65					
Crit Moves:	***	***		***			***					

FR25 AM Thu Sep 19, 2013 08:52:29 Page 104-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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): 0.092
Loss Time (sec): 0 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			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	1	0	0	1	0	2	0	2	0

Volume Module:

Base Vol:	0	0	0	34	0	3	21	147	0	0	167	56
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	34	0	3	21	147	0	0	167	56
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	34	0	3	21	147	0	0	167	56
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	34	0	3	21	147	0	0	167	56
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	34	0	3	21	147	0	0	167	56

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	0.00	0.01	0.05	0.00	0.00	0.06	0.04
Crit Volume:	0			34			21			84		
Crit Moves:				***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 105-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #103 Roseville Parkway & Chase

Cycle (sec): 100 Critical Vol./Cap.(X): 0.571
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:	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 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	120	0	127	0	0	0	1970	85	73	1794	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
Initial Bse:	120	0	127	0	0	0	1970	85	73	1794	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	120	0	127	0	0	0	1970	85	73	1794	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	120	0	127	0	0	0	1970	85	73	1794	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
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	120	0	127	0	0	0	1970	85	73	1794	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	3.00	1.00	1.00	3.00
Final Sat.:	1500	0	1500	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.08	0.00	0.08	0.00	0.00	0.00	0.44	0.06	0.05	0.40	0.00
Crit Volume:	127	0	0	0	0	0	657	73	0	0	0
Crit Moves:	***						***		***		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 106-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #104 Roseville Parkway & Creekside Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.525
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:	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 1 0 0 1	1 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	3	9	4	75	2	71	108	1989	24	51	1789	431
Growth Adj:	1.00	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	9	4	75	2	71	108	1989	24	51	1789	431
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	9	4	75	2	71	108	1989	24	51	1789	431
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	9	4	75	2	71	108	1989	24	51	1789	431
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	9	4	75	2	71	108	1989	24	51	1789	431

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.95	0.05	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	2825	75	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.00	0.03	0.03	0.05	0.07	0.46	0.02	0.04	0.41	0.30
Crit Volume:	9	39	0	663	51	0	0	0	0	0	0	0
Crit Moves:	***			***			***		***			

FR25 AM Thu Sep 19, 2013 08:52:29 Page 107-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #105 Roseville Parkway & Gibson

Cycle (sec): 120 Critical Vol./Cap.(X): 0.888
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 167 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:	Permitted	Permitted	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:	0 1 0 0 1	2 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	7	10	20	412	4	250	250	1840	8	5	1592	924
Growth Adj:	1.00	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	10	20	412	4	250	250	1840	8	5	1592	924
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	10	20	412	4	250	250	1840	8	5	1592	924
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	10	20	412	4	250	250	1840	8	5	1592	924
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	7	10	20	412	4	250	250	1840	8	5	1592	924

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:	0.41	0.59	1.00	2.97	0.03	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	618	882	1500	4457	43	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.09	0.09	0.17	0.17	0.41	0.01	0.00	0.35	0.62
Crit Volume:	20	139	250	250	250	250	250	250	250	250	250	250
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:29 Page 108-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #106 Roseville Parkway & N. Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.754
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 93 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:	2 1 0 0 1	1 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	364	130	124	8	93	45	294	2203	386	295	1851	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:	364	130	124	8	93	45	294	2203	386	295	1851	33
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:	364	130	0	8	93	45	294	2203	0	295	1851	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	364	130	0	8	93	45	294	2203	0	295	1851	33
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:	364	130	0	8	93	45	294	2203	0	295	1851	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:	2.21	0.79	1.00	1.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3205	1145	1450	1450	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.11	0.00	0.01	0.03	0.03	0.10	0.51	0.00	0.10	0.43	0.02
Crit Volume:	165	47	734	148	148	148	148	148	148	148	148	148
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:29 Page 109-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #107 Roseville Parkway & Reserve

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:	Split Phase	Split Phase	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 1 0 0 1	1 1 0 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	202	79	266	8	21	2	13	1984	108	269	2252	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:	202	79	266	8	21	2	13	1984	108	269	2252	17
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:	202	79	0	8	21	0	13	1984	0	269	2252	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	202	79	0	8	21	0	13	1984	0	269	2252	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:	202	79	0	8	21	0	13	1984	0	269	2252	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:	1.44	0.56	1.00	1.00	1.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2085	815	1450	1450	1450	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	0.00	0.01	0.01	0.00	0.00	0.34	0.00	0.09	0.39	0.00
Crit Volume:	141			21			496			135		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 110-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #108 Roseville Parkway & Secret Ravine

Cycle (sec): 120 Critical Vol./Cap.(X): 0.566
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:	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 0 1 0 1	1 1 0 0 2	2 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	2	0	0	88	0	480	337	1906	2	0	1662	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:	2	0	0	88	0	480	337	1906	2	0	1662	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:	2	0	0	88	0	480	337	1906	2	0	1662	83
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	0	88	0	480	337	1906	2	0	1662	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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	0	0	88	0	528	337	1906	2	0	1662	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	1.00	1.00	2.00	0.00	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	2900	2900	4345	5	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.18	0.12	0.44	0.44	0.00	0.38	0.06
Crit Volume:	2			264		0				554		
Crit Moves:	****			****		****				****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 111-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #109 Roseville Parkway & Taylor

Cycle (sec): 120 Critical Vol./Cap.(X): 0.862
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 165 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:	2 0 3 0 1	2 0 3 0 1	2 0 4 0 1	2 0 3 0 1

Volume Module:

Base Vol:	275	183	305	581	138	106	199	1910	48	140	1875	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:	275	183	305	581	138	106	199	1910	48	140	1875	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:	275	183	305	581	138	106	199	1910	48	140	1875	176
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	275	183	305	581	138	106	199	1910	48	140	1875	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:	275	183	305	581	138	106	199	1910	48	140	1875	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:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	4.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	5800	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.04	0.21	0.20	0.03	0.07	0.07	0.33	0.03	0.05	0.43	0.12
Crit Volume:	305	291				99				625		
Crit Moves:	***	***				***				***		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 112-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #110 Roseville Parkway & West Mall

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:	Split Phase	Split Phase	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:	0 1 0 0 1	1 1 0 0 1	2 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	51	1	44	16	1	61	42	2119	7	10	2405	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:	51	1	44	16	1	61	42	2119	7	10	2405	24
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:	51	1	0	16	1	0	42	2119	0	10	2405	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	1	0	16	1	0	42	2119	0	10	2405	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:	51	1	0	16	1	0	42	2119	0	10	2405	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:	0.98	0.02	1.00	1.88	0.12	1.00	2.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1422	28	1450	2729	171	1450	2900	5800	1450	1450	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.00	0.01	0.01	0.00	0.01	0.37	0.00	0.01	0.41	0.00
Crit Volume:	52			9			21			601		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 113-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #111 Roseville Pw & Alexandra Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.536
Loss Time (sec): 9 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			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	1	0	0

Volume Module:

Base Vol:	0	1484	47	127	1771	0	0	0	0	183	0	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:	0	1484	47	127	1771	0	0	0	0	183	0	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:	0	1484	47	127	1771	0	0	0	0	183	0	276
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1484	47	127	1771	0	0	0	0	183	0	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:	0	1484	47	127	1771	0	0	0	0	183	0	276

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.33	0.03	0.08	0.39	0.00	0.00	0.00	0.00	0.12	0.00	0.18
Crit Volume:	495			127			0			183		
Crit Moves:	****			****						****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 114-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #112 Roseville Pw & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.525
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			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	0	2	0	3	0	1	0

Volume Module:

Base Vol:	435	590	170	77	389	3	5	115	320	84	541	448
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	435	590	170	77	389	3	5	115	320	84	541	448
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	435	590	170	77	389	3	5	115	320	84	541	448
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	435	590	170	77	389	3	5	115	320	84	541	448
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	435	590	170	77	389	3	5	115	320	84	541	448

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.15	0.20	0.12	0.03	0.09	0.00	0.00	0.04	0.22	0.06	0.19	0.31
Crit Volume:	217			130			5			448		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:29 Page 115-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #113 Roseville Pw & Lead Hill/Orvieto

Cycle (sec): 120 Critical Vol./Cap.(X): 0.602
Loss Time (sec): 12 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	Split Phase	Split Phase
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:	1 0 3 0 1	1 0 3 0 1	1 1 0 0 1	1 0 0 1 0

Volume Module:

Base Vol:	194 1514	2	23 1776	68	30 11	147	10 19	48
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00	1.00 1.00	1.00
Initial Bse:	194 1514	2	23 1776	68	30 11	147	10 19	48
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:	194 1514	2	23 1776	68	30 11	0	10 19	48
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	194 1514	2	23 1776	68	30 11	0	10 19	48
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:	194 1514	2	23 1776	68	30 11	0	10 19	48

Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
Adjustment:	1.00 1.00	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	1.46 0.54	1.00	1.00 0.28	0.72
Final Sat.:	1450 4350	1450	1450 4350	1450	2122 778	1450	1450 411	1039

Capacity Analysis Module:

Vol/Sat:	0.13 0.35	0.00	0.02 0.41	0.05	0.01 0.01	0.00	0.01 0.05	0.05
Crit Volume:	194		592		21			67
Crit Moves:	****		****		****			****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 116-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #114 Roseville Pw & N Cirby Wy

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	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:	109 0 70	0 0 0	0 848 19	27 1003 0
Growth Adj:	1.00 1.00	1.00	1.00 1.00	1.00 1.00 1.00
Initial Bse:	109 0 70	0	0 848 19	27 1003 0
User Adj:	1.00 1.00	1.00	1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00	1.00	1.00 1.00	1.00 1.00 1.00
PHF Volume:	109 0 70	0	0 848 19	27 1003 0
Reduct Vol:	0 0 0	0	0 0 0	0 0 0
Reduced Vol:	109 0 70	0	0 848 19	27 1003 0
PCE Adj:	1.00 1.00	1.00	1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00	1.00	1.00 1.00	1.00 1.00 1.00
FinalVolume:	109 0 70	0	0 848 19	27 1003 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	0	0 3000 1500	1500	1500 3000	0

Capacity Analysis Module:

Vol/Sat:	0.07 0.00	0.05	0.00 0.00	0.00	0.00 0.28	0.01	0.02 0.33	0.00
Crit Volume:	109		0		0		502	
Crit Moves:	****		****		****		****	

FR25 AM Thu Sep 19, 2013 08:52:29 Page 117-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #115 Roseville Pw & Olympus Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.560
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	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 3 0 1	2 0 2 1 0	1 0 1 0 1	1 0 2 0 1

Volume Module:

Base Vol:	93 1516 80	87 1401 259	134 75 155	11 3 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:	93 1516 80	87 1401 259	134 75 155	11 3 59
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:	93 1516 0	87 1401 259	134 75 155	11 3 59
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	93 1516 0	87 1401 259	134 75 155	11 3 59
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:	93 1516 0	87 1401 259	134 75 155	11 3 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:	1.00 3.00 1.00	2.00 2.53 0.47	1.00 1.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 4350 1450	2900 3671 679	1450 1450 1450	1450 2900 1450

Capacity Analysis Module:

Vol/Sat:	0.06 0.35 0.00	0.03 0.38 0.38	0.09 0.05 0.11	0.01 0.00 0.04
Crit Volume:	93	553	155	11
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:29 Page 118-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #116 Roseville Pw & Rocky Ridge Dr

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:	Protected	Protected	Permitted	Permitted
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:	2 0 3 0 0	0 0 3 0 1	2 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	120 1410 0	0 1747 211	116 0 88	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:	120 1410 0	0 1747 211	116 0 88	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:	120 1410 0	0 1747 211	116 0 88	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	120 1410 0	0 1747 211	116 0 88	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:	120 1410 0	0 1747 211	116 0 88	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:	2.00 3.00 0.00	0.00 3.00 1.00	2.00 0.00 1.00	0.00 0.00 0.00
Final Sat.:	3000 4500 0	0 4500 1500	3000 0 1500	0 0 0

Capacity Analysis Module:

Vol/Sat:	0.04 0.31 0.00	0.00 0.39 0.14	0.04 0.00 0.06	0.00 0.00 0.00
Crit Volume:	60	582	58	0
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 119-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #117 Roseville Pw & Sierra College Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.515
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	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 0 2 0 1

Volume Module:

Base Vol:	538	1454	10	46	586	134	127	91	610	42	350	173
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	538	1454	10	46	586	134	127	91	610	42	350	173
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:	538	1454	0	46	586	0	127	91	0	42	350	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	538	1454	0	46	586	0	127	91	0	42	350	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:	538	1454	0	46	586	0	127	91	0	42	350	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:	0.19	0.33	0.00	0.02	0.13	0.00	0.04	0.03	0.00	0.01	0.12	0.00
Crit Volume:	485	23		64	175							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 120-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #118 Roseville Pw & Trestle Rd

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	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 0 1	1 0 2 0 1	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	66	1187	8	1	843	18	21	6	120	54	3	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:	66	1187	8	1	843	18	21	6	120	54	3	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:	66	1187	8	1	843	18	21	6	120	54	3	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	1187	8	1	843	18	21	6	120	54	3	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:	66	1187	8	1	843	18	21	6	120	54	3	5

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.78	0.22	1.00	0.87	0.05	0.08
Final Sat.:	1450	2900	1450	1450	2900	1450	1128	322	1450	1263	70	117

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.01	0.00	0.29	0.01	0.02	0.02	0.08	0.04	0.04	0.04
Crit Volume:	594	1		120	62							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 121-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #119 Roseville Pw & Village/Slate Creek

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
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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	16 1003	7	6 500	6	46	2	32	21	2	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	1.00 1.00	1.00
Initial Bse:	16 1003	7	6 500	6	46	2	32	21	2	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	1.00 1.00	1.00
PHF Adj:	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:	16 1003	7	6 500	6	46	2	32	21	2	94
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	16 1003	7	6 500	6	46	2	32	21	2	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	1.00 1.00	1.00
MLF Adj:	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:	16 1003	7	6 500	6	46	2	32	21	2	94

Saturation Flow Module:

Sat/Lane:	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450	1450 1450	1450
Adjustment:	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
Lanes:	1.00 1.99	0.01	1.00 1.98	0.02	0.96 0.04	1.00	0.91 0.09	1.00	0.91 0.09	1.00
Final Sat.:	1450 2880	20	1450 2866	34	1390 60	1450	1324 126	1450	1324 126	1450

Capacity Analysis Module:

Vol/Sat:	0.01 0.35	0.35	0.00 0.17	0.17	0.03 0.03	0.02	0.02 0.02	0.06	0.02 0.02	0.06
Crit Volume:	505	0	48	94	48	94	407	407	407	407
Crit Moves:	****	****	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 122-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #120 Roseville Pw & Washington Bl

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:	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

Volume Module:

Base Vol:	2 857	45	164 501	35	63 640	2	112 814	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:	2 857	45	164 501	35	63 640	2	112 814	276
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:	2 857	0	164 501	0	63 640	0	112 814	0
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	2 857	0	164 501	0	63 640	0	112 814	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:	2 857	0	164 501	0	63 640	0	112 814	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:	0.00 0.30	0.00	0.06 0.17	0.00	0.02 0.22	0.00	0.04 0.28	0.00
Crit Volume:	429	82	32	407	407	407	407	407
Crit Moves:	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 123-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #121 S Cirby Wy & Champion Oaks Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.511
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:	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:	75	37	6	14	3	50	239	392	24	2	723	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:	75	37	6	14	3	50	239	392	24	2	723	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:	75	37	6	14	3	50	239	392	24	2	723	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	37	6	14	3	50	239	392	24	2	723	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:	75	37	6	14	3	50	239	392	24	2	723	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:	0.64	0.31	0.05	0.82	0.18	1.00	1.00	1.88	0.12	1.00	1.97	0.03
Final Sat.:	922	455	74	1194	256	1450	1450	2733	167	1450	2860	40

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.01	0.01	0.03	0.16	0.14	0.14	0.00	0.25	0.25
Crit Volume:	118	17	239	367								
Crit Moves:	***	***	***	***								

FR25 AM Thu Sep 19, 2013 08:52:30 Page 124-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #122 S Cirby Wy & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.753
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	Permitted	Permitted
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 1	1 0 1 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0	530	407	332	70	0	0	0	0	250	0	268
Growth Adj:	1.00	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	530	407	332	70	0	0	0	0	250	0	268
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	530	407	332	70	0	0	0	0	250	0	268
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	530	407	332	70	0	0	0	0	250	0	268
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	530	407	332	70	0	0	0	0	250	0	268

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	0.35	0.27	0.22	0.05	0.00	0.00	0.00	0.00	0.17	0.00	0.18
Crit Volume:	530	332				0				268		
Crit Moves:	***	***								***		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 125-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #123 Secret Ravine & Scarborough/ Poppy Field

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

Volume Module:

Base Vol:	6	0	23	52	0	175	65	227	11	18	289	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:	6	0	23	52	0	175	65	227	11	18	289	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:	6	0	23	52	0	175	65	227	11	18	289	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	23	52	0	175	65	227	11	18	289	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:	6	0	23	52	0	175	65	227	11	18	289	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:	0.21	0.00	0.79	1.00	0.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	300	0	1150	1450	0	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.04	0.00	0.12	0.04	0.08	0.01	0.01	0.10	0.02
Crit Volume:	29			175			65				145	
Crit Moves:	***			***			***				***	

FR25 AM Thu Sep 19, 2013 08:52:30 Page 126-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #124 Sierra College & Miners Ravine

Cycle (sec): 100 Critical Vol./Cap.(X): 0.516
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	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:	1 0 2 0 1	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	82	1243	15	4	812	50	92	16	145	3	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:	82	1243	15	4	812	50	92	16	145	3	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:	82	1243	15	4	812	50	92	16	145	3	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	1243	15	4	812	50	92	16	145	3	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:	82	1243	15	4	812	50	92	16	145	3	1	1

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	0.85	0.15	1.00	0.75	0.25	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	1278	222	1500	1125	375	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.01	0.00	0.27	0.03	0.07	0.07	0.10	0.00	0.00	0.00
Crit Volume:	622			4			145			3		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 127-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #125 Sierra College & Secret Ravine

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	Permitted	Permitted
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	2 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	177	1148	2	1	689	54	136	1	174	1	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:	177	1148	2	1	689	54	136	1	174	1	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:	177	1148	2	1	689	54	136	1	174	1	1	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	177	1148	2	1	689	54	136	1	174	1	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
FinalVolume:	177	1148	2	1	689	54	136	1	174	1	1	2

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	2.00	0.01	0.99	0.50	0.50	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	3000	9	1491	750	750	1500

Capacity Analysis Module:

Vol/Sat:	0.12	0.38	0.00	0.00	0.23	0.04	0.05	0.12	0.12	0.00	0.00	0.00
Crit Volume:	574	1					175			1		
Crit Moves:	****	****					****			****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 128-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #126 Sierra College Bl & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.641
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 3 0 1	2 0 3 0 1	1 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	473	1245	45	247	623	52	113	297	21	12	557	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:	473	1245	45	247	623	52	113	297	21	12	557	86
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:	473	1245	0	247	623	0	113	297	0	12	557	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	473	1245	0	247	623	0	113	297	0	12	557	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:	473	1245	0	247	623	0	113	297	0	12	557	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	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.29	0.00	0.09	0.14	0.00	0.08	0.10	0.00	0.00	0.19	0.00
Crit Volume:	415	124					113			279		
Crit Moves:	****	****					****			****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 129-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #127 Sierra College Bl & Indigo Creek Apts

Cycle (sec): 100 Critical Vol./Cap.(X): 0.449
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			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	1	0	0	1	0

Volume Module:

Base Vol:	158	1233	110	49	838	24	95	7	121	30	3	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:	158	1233	110	49	838	24	95	7	121	30	3	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:	158	1233	110	49	838	24	95	7	121	30	3	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	158	1233	110	49	838	24	95	7	121	30	3	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:	158	1233	110	49	838	24	95	7	121	30	3	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:	1.00	2.75	0.25	1.00	2.92	0.08	1.86	0.14	1.00	0.91	0.09	1.00
Final Sat.:	1450	3994	356	1450	4229	121	2701	199	1450	1318	132	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.31	0.31	0.03	0.20	0.20	0.04	0.04	0.08	0.02	0.02	0.01
Crit Volume:	448	49		121	33							
Crit Moves:	***	***		***	***							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 130-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #128 Sierra College Bl & Old Auburn Rd

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:	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:	2	0	3	0	1		1	0	3	0	1	0

Volume Module:

Base Vol:	118	1627	31	17	1070	114	291	60	195	73	62	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:	118	1627	31	17	1070	114	291	60	195	73	62	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:	118	1627	31	17	1070	114	291	60	195	73	62	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	118	1627	31	17	1070	114	291	60	195	73	62	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:	118	1627	31	17	1070	114	291	60	195	73	62	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	3.00	1.00	1.00	3.00	1.00	1.66	0.34	1.00	0.84	0.71	0.45
Final Sat.:	2900	4350	1450	1450	4350	1450	2404	496	1450	1217	1033	650

Capacity Analysis Module:

Vol/Sat:	0.04	0.37	0.02	0.01	0.25	0.08	0.12	0.12	0.13	0.06	0.06	0.06
Crit Volume:	542	17		176	87							
Crit Moves:	***	***		***	***							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 131-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #129 Sierra College Bl & Olympus Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.624
Loss Time (sec): 12 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			Permitted			Permitted		
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:	1	0	2	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	373	1056	59	21	896	38	189	8	226	7	9	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:	373	1056	59	21	896	38	189	8	226	7	9	4
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:	373	1056	59	21	896	38	189	8	0	7	9	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	373	1056	59	21	896	38	189	8	0	7	9	4
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:	373	1056	59	21	896	38	189	8	0	7	9	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:	1.00	2.00	1.00	1.00	2.00	1.00	1.92	0.08	1.00	0.44	0.56	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	2878	122	1500	656	844	1500

Capacity Analysis Module:

Vol/Sat:	0.25	0.35	0.04	0.01	0.30	0.03	0.07	0.07	0.00	0.01	0.01	0.00
Crit Volume:	373			448			98			16		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 132-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #130 Stanford Ranch & Fairway

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			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	0	2

Volume Module:

Base Vol:	108	825	83	44	883	37	42	147	81	183	294	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:	108	825	83	44	883	37	42	147	81	183	294	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:	108	825	83	44	883	37	42	147	81	183	294	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	108	825	83	44	883	37	42	147	81	183	294	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:	108	825	83	44	883	37	42	147	81	183	294	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	2.00	1.00	2.00	0.96	0.04
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	2900	1389	61

Capacity Analysis Module:

Vol/Sat:	0.04	0.19	0.06	0.02	0.20	0.03	0.03	0.05	0.06	0.06	0.21	0.21
Crit Volume:	54			294			74			307		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 133-1

City of Roseville Fiddymant Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #131 Stanford Ranch & Five Star

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			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	1	1	1	0

Volume Module:

Base Vol:	112	943	321	144	974	24	5	60	123	270	63	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:	112	943	321	144	974	24	5	60	123	270	63	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:	112	943	321	144	974	24	5	60	123	270	63	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	943	321	144	974	24	5	60	123	270	63	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:	112	943	321	144	974	24	5	60	123	270	63	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	3.00	1.00	2.00	3.00	1.00	1.00	1.00	1.00	2.00	0.51	0.49
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	1450	1450	2900	737	713

Capacity Analysis Module:

Vol/Sat:	0.04	0.22	0.22	0.05	0.22	0.02	0.00	0.04	0.08	0.09	0.09	0.09
Crit Volume:	314	72		123	135							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 134-1

City of Roseville Fiddymant Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #132 Stanford Ranch & Highland Park

Cycle (sec): 120 Critical Vol./Cap.(X): 0.329
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			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	2	0	3	1	1	0	0

Volume Module:

Base Vol:	6	849	16	9	823	193	154	16	32	63	27	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:	6	849	16	9	823	193	154	16	32	63	27	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:	6	849	16	9	823	193	154	16	32	63	27	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	849	16	9	823	193	154	16	32	63	27	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:	6	849	16	9	823	193	154	16	32	63	27	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	3.00	1.00	1.00	3.00	1.00	1.00	0.33	0.67	2.00	0.87	0.13
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	483	967	2900	1263	187

Capacity Analysis Module:

Vol/Sat:	0.00	0.20	0.01	0.01	0.19	0.13	0.11	0.03	0.03	0.02	0.02	0.02
Crit Volume:	283	9		154	32							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 135-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #133 Sunrise & Coloma

Cycle (sec): 120 Critical Vol./Cap.(X): 0.739
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 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	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:	1 0 1 1 0	1 0 1 1 0	1 0 1 0 1	1 0 0 1 0

Volume Module:

Base Vol:	37	1598	87	134	934	43	39	26	29	50	26	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:	37	1598	87	134	934	43	39	26	29	50	26	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:	37	1598	87	134	934	43	39	26	29	50	26	67
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	1598	87	134	934	43	39	26	29	50	26	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
FinalVolume:	37	1598	87	134	934	43	39	26	29	50	26	67

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	1.90	0.10	1.00	1.91	0.09	1.00	1.00	1.00	1.00	0.28	0.72
Final Sat.:	1500	2845	155	1500	2868	132	1500	1500	1500	1500	419	1081

Capacity Analysis Module:

Vol/Sat:	0.02	0.56	0.56	0.09	0.33	0.33	0.03	0.02	0.02	0.03	0.06	0.06
Crit Volume:	843	134		39								93
Crit Moves:	****	****		****								****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 136-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #134 Sunrise & Sandringham/Kensington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.589
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	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 3 0 1	0 1 0 1 0	0 1 0 1 0

Volume Module:

Base Vol:	17	2362	23	1	1473	3	21	8	14	36	2	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:	17	2362	23	1	1473	3	21	8	14	36	2	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:	17	2362	23	1	1473	3	21	8	14	36	2	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	2362	23	1	1473	3	21	8	14	36	2	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:	17	2362	23	1	1473	3	21	8	14	36	2	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:	1.00	2.97	0.03	1.00	3.00	1.00	0.98	0.37	0.65	1.00	0.62	0.38
Final Sat.:	1450	4308	42	1450	4350	1450	1416	540	944	1450	895	555

Capacity Analysis Module:

Vol/Sat:	0.01	0.55	0.55	0.00	0.34	0.00	0.01	0.01	0.01	0.02	0.00	0.02
Crit Volume:	795	1		22						36		
Crit Moves:	****	****		****						****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 137-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #135 Sunrise & Sun Tree/Kensington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.636
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			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:	1	0	2	1	0	2	0	0	1	0	0	1

Volume Module:

Base Vol:	9	2360	22	30	1450	48	48	29	2	24	14	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:	9	2360	22	30	1450	48	48	29	2	24	14	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:	9	2360	22	30	1450	48	48	29	2	24	14	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	2360	22	30	1450	48	48	29	2	24	14	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:	9	2360	22	30	1450	48	48	29	2	24	14	44

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	2.97	0.03	1.00	2.90	0.10	0.61	0.37	0.02	0.29	0.17	0.54
Final Sat.:	1500	4458	42	1500	4356	144	911	551	38	439	256	805

Capacity Analysis Module:

Vol/Sat:	0.01	0.53	0.53	0.02	0.33	0.33	0.05	0.05	0.05	0.05	0.05	0.05
Crit Volume:		794	30		48			82				
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:30 Page 138-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #136 Sunrise Av & Frances Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.655
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:	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	2	0	0	0	1	0	0

Volume Module:

Base Vol:	0	1677	33	90	1090	0	0	0	0	37	0	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:	0	1677	33	90	1090	0	0	0	0	37	0	34
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1677	33	90	1090	0	0	0	0	37	0	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1677	33	90	1090	0	0	0	0	37	0	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:	0	1677	33	90	1090	0	0	0	0	37	0	34

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	1.96	0.04	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	1500	2942	58	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.57	0.57	0.06	0.36	0.00	0.00	0.00	0.00	0.02	0.00	0.02
Crit Volume:		855	90		0			37				
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:30 Page 139-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #137 Sunrise Av & Oak Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.398
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	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	730	1	37	442	0	0	0	0	4	0	231
Growth Adj:	1.00	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	730	1	37	442	0	0	0	0	4	0	231
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	730	1	37	442	0	0	0	0	4	0	231
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	730	1	37	442	0	0	0	0	4	0	231
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	730	1	37	442	0	0	0	0	4	0	231

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	1.99	0.01	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2996	4	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.24	0.24	0.02	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.15
Crit Volume:	366	0	0	0	0	0	0	0	0	0	0	231
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 140-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #138 Washington & Diamond Oaks

Cycle (sec): 120 Critical Vol./Cap.(X): 0.685
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:	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 0 1

Volume Module:

Base Vol:	4	1368	144	146	527	3	4	8	5	72	2	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:	4	1368	144	146	527	3	4	8	5	72	2	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:	4	1368	144	146	527	3	4	8	5	72	2	149
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	1368	144	146	527	3	4	8	5	72	2	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:	4	1368	144	146	527	3	4	8	5	72	2	149

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.81	0.19	1.00	1.99	0.01	0.24	0.47	0.29	0.97	0.03	1.00
Final Sat.:	1450	2624	276	1450	2884	16	341	682	426	1411	39	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.52	0.52	0.10	0.18	0.18	0.01	0.01	0.01	0.05	0.05	0.10
Crit Volume:	756	146	17	74	74	74	74	74	74	74	74	74
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 141-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #139 Washington & Sawtell/Derek

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
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 1 0	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	18 1415 69	33 540 23	63 2 27	13 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:	18 1415 69	33 540 23	63 2 27	13 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:	18 1415 69	33 540 23	63 2 27	13 0 18
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	18 1415 69	33 540 23	63 2 27	13 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
FinalVolume:	18 1415 69	33 540 23	63 2 27	13 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 1.92 0.08	0.97 0.03 1.00	1.00 0.00 1.00
Final Sat.:	1450 2900 1450	1450 2782 118	1405 45 1450	1450 0 1450

Capacity Analysis Module:

Vol/Sat:	0.01 0.49 0.05	0.02 0.19 0.19	0.04 0.04 0.02	0.01 0.00 0.01
Crit Volume:	708	33	65	13
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 142-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #140 Washington Bl & Hallissy Dr

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	Permitted	Permitted
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 0 2 0 0	0 0 0 0 0	0 1 0 1 0

Volume Module:

Base Vol:	0 855 338	64 527 0	0 0 0	258 2 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:	0 855 338	64 527 0	0 0 0	258 2 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:	0 855 338	64 527 0	0 0 0	258 2 63
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 855 338	64 527 0	0 0 0	258 2 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:	0 855 338	64 527 0	0 0 0	258 2 63

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 2.00 0.00	0.00 0.00 0.00	1.00 0.61 0.39
Final Sat.:	0 3000 1500	1500 3000 0	0 0 0	1500 915 585

Capacity Analysis Module:

Vol/Sat:	0.00 0.28 0.23	0.04 0.18 0.00	0.00 0.00 0.00	0.17 0.00 0.11
Crit Volume:	427	64	0	258
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 143-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #141 Woodcreek Oaks & Baseline

Cycle (sec): 120 Critical Vol./Cap.(X): 0.907
Loss Time (sec): 9 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 0 0 1	1 0 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	80	0	384	291	0	4	297	1279	96	117	908	127
Growth Adj:	1.00	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	384	291	0	4	297	1279	96	117	908	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	384	291	0	4	297	1279	96	117	908	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	0	384	291	0	4	297	1279	96	117	908	127
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	384	291	0	4	297	1279	96	117	908	127

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.26	0.20	0.00	0.00	0.20	0.44	0.07	0.08	0.31	0.09
Crit Volume:	384	291	640	0								
Crit Moves:	***	***	***	***								

FR25 AM Thu Sep 19, 2013 08:52:30 Page 144-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #142 Woodcreek Oaks & Canevari/Arsenault

Cycle (sec): 120 Critical Vol./Cap.(X): 0.480
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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	181	853	9	1	613	12	96	18	324	23	37	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:	181	853	9	1	613	12	96	18	324	23	37	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:	181	853	9	1	613	12	96	18	324	23	37	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	181	853	9	1	613	12	96	18	324	23	37	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:	181	853	9	1	613	12	96	18	324	23	37	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	1.98	0.02	1.00	1.96	0.04	0.84	0.16	1.00	0.38	0.62	1.00
Final Sat.:	1450	2870	30	1450	2844	56	1221	229	1450	556	894	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.30	0.30	0.00	0.22	0.22	0.08	0.08	0.22	0.04	0.04	0.01
Crit Volume:	0	313	324	60								
Crit Moves:	***	***	***	***								

FR25 AM Thu Sep 19, 2013 08:52:30 Page 145-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #143 Woodcreek Oaks & Horncastle

Cycle (sec): 100 Critical Vol./Cap.(X): 0.540
Loss Time (sec): 0 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	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	50	904	5	16	486	243	265	8	63	28	11	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:	50	904	5	16	486	243	265	8	63	28	11	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:	50	904	5	16	486	243	265	8	63	28	11	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	904	5	16	486	243	265	8	63	28	11	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	50	904	5	16	486	243	265	8	63	28	11	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	1.99	0.01	1.00	1.33	0.67	0.97	0.03	1.00	0.72	0.28	1.00
Final Sat.:	1450	2884	16	1450	1933	967	1408	42	1450	1041	409	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.31	0.31	0.01	0.25	0.25	0.19	0.19	0.04	0.03	0.03	0.02
Crit Volume:	455	16		273	39							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 146-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #144 Woodcreek Oaks & Mcanally

Cycle (sec): 120 Critical Vol./Cap.(X): 0.871
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 177 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	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 1 0 0 1	1 1 0 0 1

Volume Module:

Base Vol:	78	1118	79	436	363	189	80	34	37	147	83	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:	78	1118	79	436	363	189	80	34	37	147	83	74
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1118	79	436	363	189	80	34	37	147	83	74
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	1118	79	436	363	189	80	34	37	147	83	74
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	78	1118	79	436	363	189	80	34	37	147	83	74

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.32	0.68	0.70	0.30	1.00	1.28	0.72	1.00
Final Sat.:	1450	2709	191	1450	1907	993	1018	432	1450	1853	1047	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.41	0.30	0.19	0.19	0.08	0.08	0.03	0.08	0.08	0.05
Crit Volume:	599	436		114	115							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 147-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #145 Woodcreek Oaks & Trailee

Cycle (sec): 100 Critical Vol./Cap.(X): 0.605
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:	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	0	1	0	0

Volume Module:

Base Vol:	155	1172	58	66	295	62	85	0	131	65	0	108
Growth Adj:	1.00	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	1172	58	66	295	62	85	0	131	65	0	108
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1172	58	66	295	62	85	0	131	65	0	108
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	1172	58	66	295	62	85	0	131	65	0	108
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	155	1172	58	66	295	62	85	0	131	65	0	108

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.91	0.09	1.00	2.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2763	137	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.11	0.42	0.42	0.05	0.10	0.04	0.06	0.00	0.09	0.04	0.00	0.07
Crit Volume:	615			66			131		65			
Crit Moves:	****			****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:30 Page 148-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #146 SR 65 N/B Off & Blue Oaks 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:	Permitted			Permitted			Protected			Protected		
Rights:	Ignore			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	0	0	0	0	0	0	2	1	0	2

Volume Module:

Base Vol:	129	0	212	0	0	0	0	840	881	20	1554	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:	129	0	212	0	0	0	0	840	881	20	1554	0
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:	129	0	0	0	0	0	0	840	0	20	1554	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	129	0	0	0	0	0	0	840	0	20	1554	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	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:	129	0	0	0	0	0	0	840	0	20	1554	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:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	3000	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.01	0.52	0.00
Crit Volume:	65			0			0			777		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 149-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #147 Washington Blvd & Blue Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.502
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	Permitted
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	1 0 2 0 1	0 0 4 0 1	2 0 3 0 1

Volume Module:

Base Vol:	120	0	744	13	486	588	0	1241	280	391	991	493
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	120	0	744	13	486	588	0	1241	280	391	991	493
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:	120	0	744	13	486	0	0	1241	280	391	991	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	120	0	744	13	486	0	0	1241	280	391	991	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	1.10	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	120	0	818	13	486	0	0	1241	280	391	991	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:	2.00	2.00	2.00	1.00	2.00	1.00	0.00	4.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3000	3000	1500	3000	1500	0	6000	1500	3000	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.04	0.00	0.27	0.01	0.16	0.00	0.00	0.21	0.19	0.13	0.22	0.00
Crit Volume:	409	13	0	330								
Crit Moves:	***	***	***	***								

FR25 AM Thu Sep 19, 2013 08:52:30 Page 150-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #148 I-80 WB Off & Douglas Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.693
Loss Time (sec): 6 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:	Permitted	Permitted	Permitted	Permitted
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

Volume Module:

Base Vol:	0	0	0	696	0	146	0	1234	294	0	1521	562
Growth Adj:	1.00	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	696	0	146	0	1234	294	0	1521	562
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	0	0	0	696	0	146	0	1234	0	0	1521	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	696	0	146	0	1234	0	0	1521	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	696	0	146	0	1234	0	0	1521	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	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	3200	0	1600	0	3200	1600	0	3200	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.22	0.00	0.09	0.00	0.39	0.00	0.00	0.48	0.00
Crit Volume:	0	348	0	761								
Crit Moves:	***	***	***	***								

FR25 AM Thu Sep 19, 2013 08:52:30 Page 151-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #149 I-80 WB On & Atlantic St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.423
Loss Time (sec): 6 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:	Permitted			Permitted			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	1	2

Volume Module:

Base Vol:	0	0	0	0	0	0	0	1015	362	546	457	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	1015	362	546	457	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	1015	362	546	457	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	1015	362	546	457	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	1015	362	546	457	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	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	0	0	0	0	0	4500	1500	3000	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.24	0.18	0.15	0.00
Crit Volume:	0			0					362	273		
Crit Moves:									****	****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 152-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #150 SR 65 N/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.554
Loss Time (sec): 6 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			Protected			Protected		
Rights:	Ovl			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:	3	0	0	0	2	0	0	0	0	0	3	0

Volume Module:

Base Vol:	501	0	449	0	0	0	0	1319	266	0	1751	125
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	501	0	449	0	0	0	0	1319	266	0	1751	125
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	501	0	449	0	0	0	0	1319	0	0	1751	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	501	0	449	0	0	0	0	1319	0	0	1751	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
MLF Adj:	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
FinalVolume:	501	0	494	0	0	0	0	1319	0	0	1751	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	0.00	3.00	1.00
Final Sat.:	4500	0	3000	0	0	0	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.11	0.00	0.16	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.39	0.00
Crit Volume:			247	0			0				584	
Crit Moves:			****				****				****	

FR25 AM Thu Sep 19, 2013 08:52:30 Page 153-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #151 SR 65 S/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.435
Loss Time (sec): 6 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:	Permitted			Permitted			Protected			Protected		
Rights:	Include			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:	0	0	0	2	0	0	0	0	3	0	0	3

Volume Module:

Base Vol:	0	0	0	253	0	548	0	1337	186	0	1578	650
Growth Adj:	1.00	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	253	0	548	0	1337	186	0	1578	650
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	253	0	0	0	1337	0	0	1578	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	253	0	0	0	1337	0	0	1578	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	253	0	0	0	1337	0	0	1578	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	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	3000	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.30	0.00	0.00	0.35	0.00
Crit Volume:	0			127			0			526		
Crit Moves:				****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 154-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #152 I-80 WB Off & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.723
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 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:	Permitted			Permitted			Protected			Protected		
Rights:	Ignore			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	3	0	0	1

Volume Module:

Base Vol:	0	1821	143	0	388	0	0	0	0	593	0	477
Growth Adj:	1.00	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	1821	143	0	388	0	0	0	0	593	0	477
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1821	0	0	388	0	0	0	0	593	0	477
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1821	0	0	388	0	0	0	0	593	0	477
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1821	0	0	388	0	0	0	0	593	0	477

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.40	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.13	0.00	0.32
Crit Volume:	607			0			0			477		
Crit Moves:	****			****						****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 155-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #153 Stanford Ranch & Sr-65 N/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.536
Loss Time (sec): 6 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			Permitted			Permitted		
Rights:	Include			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	0	3	0	1	0	0	0	1

Volume Module:

Base Vol:	812	769	0	0	1192	157	0	0	205	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:	812	769	0	0	1192	157	0	0	205	0	0	456
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	812	769	0	0	1192	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	812	769	0	0	1192	0	0	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	812	769	0	0	1192	0	0	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:	2.00	3.00	0.00	0.00	3.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	3000	4500	0	0	4500	1500	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.27	0.17	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	406				397		0				0	
Crit Moves:	****				****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 156-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #154 Stanford Ranch/Galleria & Sr-65 S/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.438
Loss Time (sec): 6 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			Permitted			Permitted		
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:	0	0	3	0	1	2	0	3	0	0	0	1

Volume Module:

Base Vol:	0	1438	174	354	922	0	0	0	541	0	0	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:	0	1438	174	354	922	0	0	0	541	0	0	98
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:	0	1438	0	354	922	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1438	0	354	922	0	0	0	0	0	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:	0	1438	0	354	922	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	0	4500	1500	3000	4500	0	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.32	0.00	0.12	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	479			177			0				0	
Crit Moves:	****			****								

FR25 AM Thu Sep 19, 2013 08:52:30 Page 157-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #155 Taylor & Eureka I-80 EB Off

Cycle (sec): 120 Critical Vol./Cap.(X): 0.825
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 130 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:	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 2 0 1	2 0 1 0 1	2 0 1 1 0	0 0 4 0 1

Volume Module:

Base Vol:	133	392	797	134	0	256	250	1640	226	0	1606	295
Growth Adj:	1.00	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	392	797	134	0	256	250	1640	226	0	1606	295
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:	133	392	0	134	0	256	250	1640	226	0	1606	295
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	392	0	134	0	256	250	1640	226	0	1606	295
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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	133	392	0	134	0	282	250	1640	226	0	1606	295

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2.00	2.00	1.76	0.24	0.00	4.00	1.00
Final Sat.:	1450	2900	1450	2900	0	2900	2900	2549	351	0	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.14	0.00	0.05	0.00	0.10	0.09	0.64	0.64	0.00	0.28	0.20
Crit Volume:	196	67		933	0							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:30 Page 158-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #156 Fairway & Highland Park

Cycle (sec): 100 Critical Vol./Cap.(X): 0.379
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	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 1 0	1 0 1 1 0

Volume Module:

Base Vol:	0	0	7	77	1	32	10	277	4	4	226	455
Growth Adj:	1.00	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	77	1	32	10	277	4	4	226	455
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	77	1	32	10	277	4	4	226	455
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	7	77	1	32	10	277	4	4	226	455
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	77	1	32	10	277	4	4	226	455

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.00	1.00
Final Sat.:	1450	0	1450	1450	44	1406	1450	2859	41	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.02	0.02	0.01	0.10	0.10	0.00	0.16	0.31
Crit Volume:			7	77			10					455
Crit Moves:			****	****			****					****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 159-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #157 I-80 EB Off/Orlando & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.754
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 93 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	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 0 2 0 0	0 0 2 0 1	2 0 0 0 1

Volume Module:

Base Vol:	0 1596 61	87 1018 0	0 400 137	18 0 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:	0 1596 61	87 1018 0	0 400 137	18 0 44
User Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 1596 0	87 1018 0	0 400 137	18 0 44
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 1596 0	87 1018 0	0 400 137	18 0 44
PCE Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 1596 0	87 1018 0	0 400 137	18 0 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:	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 0.55 0.00	0.06 0.35 0.00	0.00 0.14 0.09	0.01 0.00 0.03
Crit Volume:	798	87	200	9
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 160-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #158 Roseville Rkwy & Old Auburn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.236
Loss Time (sec): 0 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:	Permitted	Permitted	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 0 215	0 0 0	0 127 16	252 533 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 0 215	0 0 0	0 127 16	252 533 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 0 215	0 0 0	0 127 16	252 533 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	30 0 215	0 0 0	0 127 16	252 533 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 0 215	0 0 0	0 127 16	252 533 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 1.78 0.22	1.00 2.00 0.00
Final Sat.:	1500 0 1500	0 0 0	0 2664 336	1500 3000 0

Capacity Analysis Module:

Vol/Sat:	0.02 0.00 0.14	0.00 0.00 0.00	0.00 0.05 0.05	0.17 0.18 0.00
Crit Volume:	30	0	72	252
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:30 Page 161-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #159 Washington Blvd & Industrial

Cycle (sec): 100 Critical Vol./Cap.(X): 0.583
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			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:	1	0	2	0	0	2	0	0	0	1	0	0

Volume Module:

Base Vol:	429	1403	0	0	697	34	19	0	97	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:	429	1403	0	0	697	34	19	0	97	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:	429	1403	0	0	697	34	19	0	97	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	429	1403	0	0	697	34	19	0	97	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:	429	1403	0	0	697	34	19	0	97	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:	0.29	0.47	0.00	0.00	0.23	0.02	0.01	0.00	0.06	0.00	0.00	0.00
Crit Volume:	429			349			97		0			
Crit Moves:	****			****			****					

FR25 AM Thu Sep 19, 2013 08:52:30 Page 162-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #160 Foothills Blvd & HP Far South/ NEC

Cycle (sec): 100 Critical Vol./Cap.(X): 0.744
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 73 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			Permitted			Permitted		
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	1	1	0	0

Volume Module:

Base Vol:	436	1523	0	251	336	51	42	3	23	0	6	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:	436	1523	0	251	336	51	42	3	23	0	6	56
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	436	1523	0	251	336	51	42	3	23	0	6	56
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	436	1523	0	251	336	51	42	3	23	0	6	56
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00
FinalVolume:	436	1523	0	251	336	51	42	3	25	0	6	56

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	1.00	2.00	1.00	1.00	0.21	1.79	0.00	0.10	0.90
Final Sat.:	1500	3000	0	1500	3000	1500	1500	318	2682	0	145	1355

Capacity Analysis Module:

Vol/Sat:	0.29	0.51	0.00	0.17	0.11	0.03	0.03	0.01	0.01	0.00	0.04	0.04
Crit Volume:	762			251			42			62		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:30 Page 163-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #161 Blue Oaks Blvd & Wood Meadow

Cycle (sec): 100 Critical Vol./Cap.(X): 0.718
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:	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	1 0 1 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0 0 58	0 0 0	0 3369 0	177 966 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 58	0 0 0	0 3369 0	177 966 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 58	0 0 0	0 3369 0	177 966 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 0 58	0 0 0	0 3369 0	177 966 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 58	0 0 0	0 3369 0	177 966 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 1.00 1.00	1.00 1.00 1.00	1.00 4.00 1.00	1.00 4.00 1.00
Final Sat.:	1500 1500 1500	1500 1500 1500	1500 6000 1500	1500 6000 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.00 0.04	0.00 0.00 0.00	0.00 0.56 0.00	0.12 0.16 0.00
Crit Volume:	58	0	842	177
Crit Moves:	***		***	***

FR25 AM Thu Sep 19, 2013 08:52:30 Page 164-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #162 Gibson Rd & New Convention Center Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.478
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	Permitted	Permitted
Rights:	Ignore	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 0 2 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0 283 898	397 256 0	0 0 0	0 346 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:	0 283 898	397 256 0	0 0 0	0 346 0 11
User Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 283 0	397 256 0	0 0 0	0 346 0 11
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0 0
Reduced Vol:	0 283 0	397 256 0	0 0 0	0 346 0 11
PCE Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 0.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 283 0	397 256 0	0 0 0	0 346 0 11

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 2.00 0.00	0.00 0.00 0.00	1.94 0.00 0.06
Final Sat.:	0 3000 1500	1500 3000 0	0 0 0	2908 0 92

Capacity Analysis Module:

Vol/Sat:	0.00 0.09 0.00	0.26 0.09 0.00	0.00 0.00 0.00	0.12 0.00 0.12
Crit Volume:	142	397	0	178
Crit Moves:	***	***		***

FR25 AM Thu Sep 19, 2013 08:52:30 Page 165-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #163 Blue Oaks Blvd & Westbrook Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.283
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:	Ignore	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 2	0 0 0 0 0	0 0 1 0 1	2 0 1 0 0

Volume Module:

Base Vol:	35	0	1008	0	0	0	0	165	142	449	37	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	0	1008	0	0	0	0	165	142	449	37	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:	35	0	0	0	0	0	0	165	142	449	37	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	0	0	0	0	0	0	165	142	449	37	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:	35	0	0	0	0	0	0	165	142	449	37	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	2.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	1.00	0.00
Final Sat.:	1500	0	3000	0	0	0	0	1500	1500	3000	1500	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.09	0.15	0.02	0.00
Crit Volume:	35			0				165	225			
Crit Moves:	****							****		****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 166-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #164 Blue Oaks Blvd & Hayden Pkwy

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	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 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	42	86	130	327	106	183	95	1144	45	79	386	92
Growth Adj:	1.00	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	86	130	327	106	183	95	1144	45	79	386	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	86	130	327	106	183	95	1144	45	79	386	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	86	130	327	106	183	95	1144	45	79	386	92
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	42	86	130	327	106	183	95	1144	45	79	386	92

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.06	0.09	0.23	0.07	0.13	0.07	0.26	0.03	0.05	0.09	0.06
Crit Volume:	86	327		381			79					
Crit Moves:	****	****		****			****					

FR25 AM Thu Sep 19, 2013 08:52:31 Page 167-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #165 Fiddymment Rd & Westhills Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.820
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			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	3	0	1	1	2	0	0	0	1	1

Volume Module:

Base Vol:	26	1380	9	347	1499	235	765	0	44	0	0	92
Growth Adj:	1.00	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	1380	9	347	1499	235	765	0	44	0	0	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1380	9	347	1499	235	765	0	44	0	0	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	1380	9	347	1499	235	765	0	44	0	0	92
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	1380	9	347	1499	235	765	0	44	0	0	92

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.02	0.32	0.01	0.24	0.34	0.16	0.26	0.00	0.03	0.00	0.00	0.06
Crit Volume:	460	347		383						0		
Crit Moves:	****	****		****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 168-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #166 Pleasant Grove Blvd & Westbrook Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.572
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			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	2	0	3	0	1	1

Volume Module:

Base Vol:	24	590	49	250	551	252	546	656	6	28	274	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:	24	590	49	250	551	252	546	656	6	28	274	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:	24	590	49	250	551	252	546	656	6	28	274	149
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	590	49	250	551	252	546	656	6	28	274	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:	24	590	49	250	551	252	546	656	6	28	274	149

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.01	0.20	0.03	0.09	0.13	0.17	0.19	0.15	0.00	0.01	0.09	0.10
Crit Volume:	295	125		273			137					
Crit Moves:	****	****		****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 169-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #167 Fiddymment Rd & Westlake Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.432
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	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 0 3 0 1	1 0 3 0 0	0 0 0 0 0	0 0 1 0 0

Volume Module:

Base Vol:	0	1349	39	62	1482	0	0	0	0	72	0	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:	0	1349	39	62	1482	0	0	0	0	72	0	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:	0	1349	39	62	1482	0	0	0	0	72	0	65
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1349	39	62	1482	0	0	0	0	72	0	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:	0	1349	39	62	1482	0	0	0	0	72	0	65

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	0.53	0.00	0.47
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	788	0	712

Capacity Analysis Module:

Vol/Sat:	0.00	0.30	0.03	0.04	0.33	0.00	0.00	0.00	0.00	0.09	0.00	0.09
Crit Volume:	450	62				0				137		
Crit Moves:	****	****								****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 170-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #168 Woodcreek Oaks Blvd & Northpark Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.321
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	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 0 1	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	67	0	46	0	0	0	0	11	230	170	15	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	67	0	46	0	0	0	0	11	230	170	15	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:	67	0	46	0	0	0	0	11	230	170	15	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	0	46	0	0	0	0	11	230	170	15	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:	67	0	46	0	0	0	0	11	230	170	15	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	0.00	1.00	1.00	0.92	0.08	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	0	1500	1500	1378	122	1500

Capacity Analysis Module:

Vol/Sat:	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.15	0.12	0.12	0.00
Crit Volume:	67					0			230	185		
Crit Moves:	****								****	****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 171-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #169 Woodcreek Oaks Blvd & Parkside Wy

Cycle (sec): 100 Critical Vol./Cap.(X): 0.488
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:	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	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	59	94	18	262	133	6	13	316	43	61	8	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:	59	94	18	262	133	6	13	316	43	61	8	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:	59	94	18	262	133	6	13	316	43	61	8	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	59	94	18	262	133	6	13	316	43	61	8	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:	59	94	18	262	133	6	13	316	43	61	8	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	0.04	0.96	1.00	0.88	0.12	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	57	1393	1450	1282	168	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.03	0.01	0.18	0.05	0.00	0.23	0.23	0.03	0.05	0.05	0.00
Crit Volume:	47			262			329			69		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 172-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #170 Industrial Ave & Alantown Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.920
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			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	0	1	0	1	0	0	0	0	0	1	0

Volume Module:

Base Vol:	0	786	18	92	371	0	0	0	0	27	0	502
Growth Adj:	1.00	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	786	18	92	371	0	0	0	0	27	0	502
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	786	18	92	371	0	0	0	0	27	0	502
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	786	18	92	371	0	0	0	0	27	0	502
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	786	18	92	371	0	0	0	0	27	0	502

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	0.52	0.01	0.06	0.25	0.00	0.00	0.00	0.00	0.02	0.00	0.33
Crit Volume:	786			92			0			502		
Crit Moves:	****			****						****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 173-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #171 Roseville Pkwy & Gibson West

Cycle (sec): 100 Critical Vol./Cap.(X): 1.019
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	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	1 0 0 0 1	1 0 3 0 0	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	86	0	217	809	1885	0	0	1899	48
Growth Adj:	1.00	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	86	0	217	809	1885	0	0	1899	48
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	0	0	86	0	0	809	1885	0	0	1899	48
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	86	0	0	809	1885	0	0	1899	48
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	0	0	86	0	0	809	1885	0	0	1899	48

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.00	0.54	0.42	0.00	0.00	0.42	0.03
Crit Volume:	0	86	809	633								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:31 Page 174-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #172 Washington Blvd & All America

Cycle (sec): 100 Critical Vol./Cap.(X): 0.515
Loss Time (sec): 0 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	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 2 0 1	1 0 1 1 0	1 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	51	920	0	22	1131	59	100	4	39	0	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:	51	920	0	22	1131	59	100	4	39	0	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	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:	51	920	0	22	1131	59	100	4	39	0	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	920	0	22	1131	59	100	4	39	0	1	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:	51	920	0	22	1131	59	100	4	39	0	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	2.00	1.00	1.00	1.90	0.10	1.00	0.09	0.91	0.00	1.00	1.00
Final Sat.:	1450	2900	1450	1450	2756	144	1450	135	1315	0	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.32	0.00	0.02	0.41	0.41	0.07	0.03	0.03	0.00	0.00	0.00
Crit Volume:	51	595	100	1								
Crit Moves:	****	****	****	****								

FR25 AM Thu Sep 19, 2013 08:52:31 Page 175-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #173 Cirby & Cottonwood

Cycle (sec): 100 Critical Vol./Cap.(X): 0.542
Loss Time (sec): 0 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:	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 1 0 0 1	0 1 0 0 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	85	5	117	44	6	0	0	791	117	165	490	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:	85	5	117	44	6	0	0	791	117	165	490	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:	85	5	117	44	6	0	0	791	117	165	490	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	5	117	44	6	0	0	791	117	165	490	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:	85	5	117	44	6	0	0	791	117	165	490	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:	0.94	0.06	1.00	0.88	0.12	0.00	1.00	1.74	0.26	1.00	1.89	0.11
Final Sat.:	1369	81	1450	1276	174	0	1450	2526	374	1450	2743	157

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.08	0.03	0.03	0.00	0.00	0.31	0.31	0.11	0.18	0.18
Crit Volume:	117	50	454	165	454	165	454	165	454	165	454	165
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:31 Page 176-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #174 Secret Ravine & Alexandra

Cycle (sec): 100 Critical Vol./Cap.(X): 0.139
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 1 1 0	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	6	0	55	0	0	0	0	200	12	54	318	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:	6	0	55	0	0	0	0	200	12	54	318	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:	6	0	55	0	0	0	0	200	12	54	318	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	55	0	0	0	0	200	12	54	318	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:	6	0	55	0	0	0	0	200	12	54	318	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	1.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	1500	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.07	0.01	0.04	0.11	0.00
Crit Volume:	55	0	100	54	54	100	54	100	54	100	54	100
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 AM Thu Sep 19, 2013 08:52:31 Page 177-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #175 Fiddymment Rd & Fiddymment Ranch EW Rd

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			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	0	0	2	1	0	0	0	0	0

Volume Module:

Base Vol:	87	899	0	0	902	12	52	0	402	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:	87	899	0	0	902	12	52	0	402	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:	87	899	0	0	902	12	52	0	402	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	899	0	0	902	12	52	0	402	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:	87	899	0	0	902	12	52	0	402	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:	0.06	0.30	0.00	0.00	0.30	0.01	0.03	0.00	0.27	0.00	0.00	0.00
Crit Volume:	87			451			402		0			
Crit Moves:	****			****			****					

FR25 AM Thu Sep 19, 2013 08:52:31 Page 178-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #176 Douglas Bl & I-80 EB On

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			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	4	0	0	3

Volume Module:

Base Vol:	0	0	0	0	0	0	165	2623	0	0	1811	151
Growth Adj:	1.00	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	165	2623	0	0	1811	151
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	165	2623	0	0	1811	151
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	165	2623	0	0	1811	151
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	0	0	0	165	2623	0	0	1811	151

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	1.00	4.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	0	0	0	1600	6400	0	0	4800	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.41	0.00	0.00	0.38	0.09
Crit Volume:	0			0			165			604		
Crit Moves:							****			****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 179-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #177 Santucci Blvd & Pleasant Grove Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.533
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
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 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	384	35	3	87	67	0	0	814	667	140	320	43
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	384	35	3	87	67	0	0	814	667	140	320	43
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	384	35	3	87	67	0	0	814	0	140	320	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	384	35	3	87	67	0	0	814	0	140	320	43
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:	384	35	3	87	67	0	0	814	0	140	320	43

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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:	0.13	0.01	0.00	0.06	0.02	0.00	0.00	0.28	0.00	0.10	0.11	0.03
Crit Volume:	192			34				407		140		
Crit Moves:	****			****				****		****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 180-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #178 Santucci Blvd & Federico Dr

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:	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:	1 0 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	23	575	103	17	936	6	11	39	70	196	8	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:	23	575	103	17	936	6	11	39	70	196	8	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:	23	575	103	17	936	6	11	39	70	196	8	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	575	103	17	936	6	11	39	70	196	8	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:	23	575	103	17	936	6	11	39	70	196	8	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.13	0.07	0.01	0.22	0.00	0.01	0.03	0.05	0.14	0.01	0.01
Crit Volume:	23				312				70	196		
Crit Moves:	****				****				****	****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 181-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #179 Santucci Blvd & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.334
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	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 3 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	6 643 60	48 1177 2	5 11 24	62 3 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:	6 643 60	48 1177 2	5 11 24	62 3 62
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	6 643 60	48 1177 2	5 11 24	62 3 62
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	6 643 60	48 1177 2	5 11 24	62 3 62
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	6 643 60	48 1177 2	5 11 24	62 3 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:	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:	0.00 0.15 0.04	0.03 0.27 0.00	0.00 0.00 0.02	0.04 0.00 0.04
Crit Volume:	6	392	24	62
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:31 Page 182-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #180 Watt Ave & Baseline Rd

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
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:	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	176 467 261	172 883 355	181 1556 1	201 1117 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:	176 467 261	172 883 355	181 1556 1	201 1117 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:	176 467 261	172 883 355	181 1556 1	201 1117 57
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	176 467 261	172 883 355	181 1556 1	201 1117 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:	176 467 261	172 883 355	181 1556 1	201 1117 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:	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:	0.06 0.11 0.18	0.06 0.20 0.24	0.06 0.36 0.00	0.07 0.26 0.04
Crit Volume:	88	294	519	101
Crit Moves:	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:31 Page 183-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #181 Westbrook Blvd & Federico Dr

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:	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	3	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	29	519	97	2	667	14	70	79	91	171	25	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	519	97	2	667	14	70	79	91	171	25	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	519	97	2	667	14	70	79	91	171	25	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	519	97	2	667	14	70	79	91	171	25	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	519	97	2	667	14	70	79	91	171	25	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	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.12	0.07	0.00	0.15	0.01	0.05	0.05	0.06	0.12	0.02	0.00
Crit Volume:	29			222			91	171				
Crit Moves:	****			****			****	****				

FR25 AM Thu Sep 19, 2013 08:52:31 Page 184-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #182 Westbrook Blvd & Vista Glen Blvd

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:	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	3	0	1	1	1	0	2	0	1	1

Volume Module:

Base Vol:	11	576	293	83	950	9	20	174	20	144	58	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:	11	576	293	83	950	9	20	174	20	144	58	75
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	576	293	83	950	9	20	174	20	144	58	75
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	576	293	83	950	9	20	174	20	144	58	75
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	11	576	293	83	950	9	20	174	20	144	58	75

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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:	0.01	0.13	0.20	0.06	0.22	0.01	0.01	0.06	0.01	0.10	0.02	0.05
Crit Volume:	293	83		87			144					
Crit Moves:	****	****		****			****					

FR25 AM Thu Sep 19, 2013 08:52:31 Page 185-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #183 Westbrook Blvd & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.767
Loss Time (sec): 0 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

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: 2 0 3 0 1 2 0 3 0 1 2 0 3 0 1

Volume Module:
Base Vol: 30 452 536 233 602 341 387 1380 12 219 1017 135
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 30 452 536 233 602 341 387 1380 12 219 1017 135
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 30 452 536 233 602 341 387 1380 12 219 1017 135
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 30 452 536 233 602 341 387 1380 12 219 1017 135
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 30 452 536 233 602 341 387 1380 12 219 1017 135

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 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: 0.01 0.10 0.37 0.08 0.14 0.24 0.13 0.32 0.01 0.08 0.23 0.09
Crit Volume: 536 117 460 0
Crit Moves: ****

FR25 AM Thu Sep 19, 2013 08:52:31 Page 186-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #184 Market St & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.364
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 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 1 0 1 0 1 1 0 2 0 1

Volume Module:
Base Vol: 84 25 33 4 121 27 36 599 70 24 176 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: 84 25 33 4 121 27 36 599 70 24 176 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: 84 25 33 4 121 27 36 599 70 24 176 3
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 84 25 33 4 121 27 36 599 70 24 176 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: 84 25 33 4 121 27 36 599 70 24 176 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 1.00 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 2900 1450 1450 2900 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.06 0.02 0.02 0.00 0.08 0.02 0.02 0.21 0.05 0.02 0.06 0.00
Crit Volume: 84 121 300 24
Crit Moves: ****

FR25 AM Thu Sep 19, 2013 08:52:31 Page 187-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #185 Market St & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.646
Loss Time (sec): 0 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:	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	139	57	13	183	111	71	7	2050	93	4	1267	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:	139	57	13	183	111	71	7	2050	93	4	1267	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:	139	57	13	183	111	71	7	2050	93	4	1267	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	139	57	13	183	111	71	7	2050	93	4	1267	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:	139	57	13	183	111	71	7	2050	93	4	1267	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	1.00	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:	0.10	0.04	0.01	0.13	0.08	0.05	0.00	0.47	0.06	0.00	0.29	0.04
Crit Volume:	139			111				683			4	
Crit Moves:	****			****				****			****	

FR25 AM Thu Sep 19, 2013 08:52:31 Page 188-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #186 Pleasant Grove Blvd & Upland Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.545
Loss Time (sec): 0 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:	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 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	40	0	98	0	0	0	0	1382	86	29	552	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:	40	0	98	0	0	0	0	1382	86	29	552	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:	40	0	98	0	0	0	0	1382	86	29	552	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	0	98	0	0	0	0	1382	86	29	552	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:	40	0	98	0	0	0	0	1382	86	29	552	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:	0.03	0.00	0.07	0.00	0.00	0.00	0.00	0.46	0.06	0.02	0.18	0.00
Crit Volume:	98		0					691		29		
Crit Moves:	****							****		****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 189-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #187 Upland Dr & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.379
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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	20	30	46	16	92	8	35	692	96	91	180	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:	20	30	46	16	92	8	35	692	96	91	180	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:	20	30	46	16	92	8	35	692	96	91	180	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	30	46	16	92	8	35	692	96	91	180	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:	20	30	46	16	92	8	35	692	96	91	180	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	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.03	0.01	0.06	0.01	0.02	0.24	0.07	0.06	0.06	0.00
Crit Volume:	20			92			346			91		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 190-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #188 Upland Dr & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.533
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
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:	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	118	0	42	80	2045	0	0	1151	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:	0	0	0	118	0	42	80	2045	0	0	1151	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:	0	0	0	118	0	42	80	2045	0	0	1151	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	118	0	42	80	2045	0	0	1151	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:	0	0	0	118	0	42	80	2045	0	0	1151	39

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	0.03	0.05	0.45	0.00	0.00	0.26	0.03
Crit Volume:	0			118			682		0			
Crit Moves:				****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:31 Page 191-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #189 Baseline Rd & CMU3 Entrance

Cycle (sec): 100 Critical Vol./Cap.(X): 0.470
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:	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	1	2	103	21	20	8	1643	81	29	1345	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	1	2	103	21	20	8	1643	81	29	1345	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	1	2	103	21	20	8	1643	81	29	1345	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	2	103	21	20	8	1643	81	29	1345	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	1	2	103	21	20	8	1643	81	29	1345	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	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:	0.00	0.00	0.00	0.07	0.01	0.01	0.01	0.38	0.06	0.02	0.31	0.01
Crit Volume:	2	103						548		29		
Crit Moves:	***	***						***		***		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 192-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #190 Westbrook Blvd & Sierra Village Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.371
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	15	816	59	5	980	130	47	6	55	141	17	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:	15	816	59	5	980	130	47	6	55	141	17	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:	15	816	59	5	980	130	47	6	55	141	17	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	816	59	5	980	130	47	6	55	141	17	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:	15	816	59	5	980	130	47	6	55	141	17	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.19	0.04	0.00	0.23	0.09	0.03	0.00	0.04	0.10	0.01	0.01
Crit Volume:	15				327				55	141		
Crit Moves:	***				***				***	***		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 193-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #191 Vista Glen Blvd & Road 2A

Cycle (sec): 100 Critical Vol./Cap.(X): 0.228
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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	37	0	6	0	0	1	2	580	0	3	248	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	6	0	0	1	2	580	0	3	248	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	6	0	0	1	2	580	0	3	248	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	0	6	0	0	1	2	580	0	3	248	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	6	0	0	1	2	580	0	3	248	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	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.09	0.00	
Crit Volume:	37				1		290		3			
Crit Moves:	****				****		****		****			

FR25 AM Thu Sep 19, 2013 08:52:31 Page 194-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #192 Vista Glen Blvd & SV NS Coll 5

Cycle (sec): 100 Critical Vol./Cap.(X): 0.321
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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	27	3	78	0	2	17	15	746	7	14	194	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	3	78	0	2	17	15	746	7	14	194	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	3	78	0	2	17	15	746	7	14	194	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	3	78	0	2	17	15	746	7	14	194	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	3	78	0	2	17	15	746	7	14	194	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	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.05	0.00	0.00	0.01	0.01	0.26	0.00	0.01	0.07	0.00
Crit Volume:	78	0				373		14				
Crit Moves:	****	****				****		****				

FR25 AM Thu Sep 19, 2013 08:52:31 Page 195-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #193 Santucci Blvd & SV CC5 CC6

Cycle (sec): 100 Critical Vol./Cap.(X): 0.286
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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	0	695	15	4	1198	0	0	0	0	29	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	695	15	4	1198	0	0	0	0	29	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	695	15	4	1198	0	0	0	0	29	0	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	695	15	4	1198	0	0	0	0	29	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	695	15	4	1198	0	0	0	0	29	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	4500	1500	1500	4500	1500	1500	1500	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.15	0.01	0.00	0.27	0.00	0.00	0.00	0.00	0.02	0.00	0.00
Crit Volume:	0			399		0				29		
Crit Moves:	****			****		****				****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 196-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #194 Santucci Blvd & Sierra Village Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.444
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:	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	29	639	38	53	1193	15	54	9	103	114	4	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:	29	639	38	53	1193	15	54	9	103	114	4	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:	29	639	38	53	1193	15	54	9	103	114	4	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	639	38	53	1193	15	54	9	103	114	4	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:	29	639	38	53	1193	15	54	9	103	114	4	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.15	0.03	0.04	0.27	0.01	0.04	0.01	0.07	0.08	0.00	0.01
Crit Volume:	29			398		103			114			
Crit Moves:	****			****		****			****			

FR25 AM Thu Sep 19, 2013 08:52:31 Page 197-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #195 Vista Glen Blvd & Road 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.079
Loss Time (sec): 0 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			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	0	1	0

Volume Module:

Base Vol:	6	1	0	36	4	1	0	151	3	2	87	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	1	0	36	4	1	0	151	3	2	87	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	1	0	36	4	1	0	151	3	2	87	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	1	0	36	4	1	0	151	3	2	87	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	1	0	36	4	1	0	151	3	2	87	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	1.00	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:	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.05	0.00	0.00	0.03	0.01
Crit Volume:	1			36			76			2		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 198-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #196 Westbrook Blvd & Sierra Glen Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.249
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			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	3	0	1	0	1	0	3	0	0	1

Volume Module:

Base Vol:	0	649	26	1	929	0	0	0	0	64	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	649	26	1	929	0	0	0	0	64	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	649	26	1	929	0	0	0	0	64	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	649	26	1	929	0	0	0	0	64	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:	0	649	26	1	929	0	0	0	0	64	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:	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	4500	1500	1500	4500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.14	0.02	0.00	0.21	0.00	0.00	0.00	0.00	0.04	0.00	0.00
Crit Volume:	0			310			0			64		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 199-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #197 Baseline Rd & SV CC2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.438
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:	Include	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	1 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	50	0	84	259	1726	0	0	1044	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:	0	0	0	50	0	84	259	1726	0	0	1044	96
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	0	0	50	0	0	259	1726	0	0	1044	96
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	50	0	0	259	1726	0	0	1044	96
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	0	0	50	0	0	259	1726	0	0	1044	96

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	0.00	0.17	0.38	0.00	0.00	0.23	0.06
Crit Volume:	0	0	0	50	0	0	259	348	0	0	348	0
Crit Moves:				****			****				****	

FR25 AM Thu Sep 19, 2013 08:52:31 Page 200-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #198 Baseline Rd & SV CCBP2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.500
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	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	0	0	34	0	2146	0	0	1090	139
Growth Adj:	1.00	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	34	0	2146	0	0	1090	139
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	34	0	2146	0	0	1090	139
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	34	0	2146	0	0	1090	139
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	0	0	34	0	2146	0	0	1090	139

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	0.00	0.00	0.02	0.00	0.48	0.00	0.00	0.24	0.09
Crit Volume:	0	0	0	0	0	34	0	715	0	0	0	0
Crit Moves:						****		****			****	

FR25 AM Thu Sep 19, 2013 08:52:31 Page 201-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #199 Baseline Rd & SV CC4

Cycle (sec): 100 Critical Vol./Cap.(X): 0.497
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	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	55	0	60	172	2070	0	0	1029	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:	0	0	0	55	0	60	172	2070	0	0	1029	164
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	55	0	60	172	2070	0	0	1029	164
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	55	0	60	172	2070	0	0	1029	164
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	55	0	60	172	2070	0	0	1029	164

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	0.04	0.00	0.04	0.11	0.46	0.00	0.00	0.23	0.11
Crit Volume:	0	55	690	0	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:31 Page 202-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #200 Westbrook Blvd & Parkway One

Cycle (sec): 100 Critical Vol./Cap.(X): 0.264
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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	58	41	20	0	62	4	10	1	224	80	1	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	41	20	0	62	4	10	1	224	80	1	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	41	20	0	62	4	10	1	224	80	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	41	20	0	62	4	10	1	224	80	1	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	41	20	0	62	4	10	1	224	80	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	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.15	0.06	0.00	0.00
Crit Volume:	58	21	224	80	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 AM Thu Sep 19, 2013 08:52:31 Page 203-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #201 Westbrook Blvd & Nobo Dr

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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	31	106	0	0	344	6	7	0	119	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:	31	106	0	0	344	6	7	0	119	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:	31	106	0	0	344	6	7	0	119	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	106	0	0	344	6	7	0	119	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:	31	106	0	0	344	6	7	0	119	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	4500	1500	1500	4500	1500	1500	1500	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.00	0.00	0.08	0.00	0.00	0.00	0.08	0.00	0.00	0.00
Crit Volume:	31				115				119	0		
Crit Moves:	****				****				****			

FR25 AM Thu Sep 19, 2013 08:52:31 Page 204-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #202 Blue Oaks Blvd & Nobo Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.317
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	Permitted	Permitted	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	63	0	44	163	1238	0	0	485	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	63	0	44	163	1238	0	0	485	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	63	0	44	163	1238	0	0	485	130
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	63	0	44	163	1238	0	0	485	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	63	0	44	163	1238	0	0	485	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	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	0.04	0.00	0.03	0.11	0.28	0.00	0.00	0.11	0.09
Crit Volume:	0			63			413		0			
Crit Moves:				****			****		****			

FR25 AM Thu Sep 19, 2013 08:52:31 Page 205-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #203 Santucci Blvd & Road E

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:	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	23	394	186	71	788	14	5	2	8	162	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:	23	394	186	71	788	14	5	2	8	162	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:	23	394	186	71	788	14	5	2	8	162	4	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	394	186	71	788	14	5	2	8	162	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
FinalVolume:	23	394	186	71	788	14	5	2	8	162	4	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.09	0.13	0.05	0.18	0.01	0.00	0.00	0.01	0.11	0.00	0.02
Crit Volume:	23			263					8	162		
Crit Moves:	****			****					****	****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 206-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #204 Westbrook Blvd & Road E

Cycle (sec): 100 Critical Vol./Cap.(X): 0.257
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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	45	519	25	17	553	15	85	10	52	79	17	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:	45	519	25	17	553	15	85	10	52	79	17	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:	45	519	25	17	553	15	85	10	52	79	17	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	519	25	17	553	15	85	10	52	79	17	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:	45	519	25	17	553	15	85	10	52	79	17	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.12	0.02	0.01	0.13	0.01	0.06	0.01	0.04	0.05	0.01	0.04
Crit Volume:	45				184		85					59
Crit Moves:	****				****		****					****

FR25 AM Thu Sep 19, 2013 08:52:31 Page 207-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #205 Pleasant Grove Blvd & Road 1

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

Volume Module:

Base Vol:	84	0	47	0	0	0	952	16	68	408	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
Initial Bse:	84	0	47	0	0	0	952	16	68	408	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	84	0	47	0	0	0	952	16	68	408	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	84	0	47	0	0	0	952	16	68	408	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
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	84	0	47	0	0	0	952	16	68	408	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	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.03	0.00	0.00	0.00	0.32	0.01	0.05	0.14	0.00
Crit Volume:	84			0			476		68		
Crit Moves:	****						****		****		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 208-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1001 Riverside Av & Darling Wy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.772
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 100 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:	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 1 0 1	1 0 1 1 0	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	35	852	263	19	151	7	2	74	19	124	29	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:	35	852	263	19	151	7	2	74	19	124	29	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:	35	852	263	19	151	7	2	74	19	124	29	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	852	263	19	151	7	2	74	19	124	29	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:	35	852	263	19	151	7	2	74	19	124	29	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	1.00	1.00	1.00	1.91	0.09	0.03	0.97	1.00	0.72	0.17	0.11
Final Sat.:	1450	1450	1450	1450	2772	128	38	1412	1450	1039	243	168

Capacity Analysis Module:

Vol/Sat:	0.02	0.59	0.18	0.01	0.05	0.05	0.05	0.05	0.01	0.12	0.12	0.12
Crit Volume:	852		19				76		173			
Crit Moves:	****		****				****		****			

FR25 AM Thu Sep 19, 2013 08:52:31 Page 209-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1002 Vernon & Douglas/Riverside

Cycle (sec): 120 Critical Vol./Cap.(X): 0.526
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:	Permitted			Permitted			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	1	0	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	1	330	340	1	135	140	404	353	2	69	85	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:	1	330	340	1	135	140	404	353	2	69	85	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:	1	330	340	1	135	140	404	353	2	69	85	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	330	340	1	135	140	404	353	2	69	85	2
PCE Adj:	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	1	330	340	2	135	140	404	353	2	69	85	2

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:	0.01	0.99	1.00	0.01	0.99	1.00	1.06	0.93	0.01	1.00	1.95	0.05
Final Sat.:	5	1495	1500	11	1489	1500	1597	1395	8	1500	2931	69

Capacity Analysis Module:

Vol/Sat:	0.22	0.22	0.23	0.09	0.09	0.09	0.25	0.25	0.25	0.05	0.03	0.03
Crit Volume:	340			1			380			69		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 210-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1003 Vernon & Grant

Cycle (sec): 120 Critical Vol./Cap.(X): 0.464
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:	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:	208	30	36	3	19	9	7	487	160	10	218	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:	208	30	36	3	19	9	7	487	160	10	218	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:	208	30	36	3	19	9	7	487	160	10	218	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	208	30	36	3	19	9	7	487	160	10	218	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	208	30	36	3	19	9	7	487	160	20	218	2

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:	0.87	0.13	1.00	0.10	0.61	0.29	0.01	0.99	1.00	0.04	0.96	1.00
Final Sat.:	1398	202	1600	155	981	465	23	1577	1600	70	1530	1600

Capacity Analysis Module:

Vol/Sat:	0.15	0.15	0.02	0.02	0.02	0.02	0.31	0.31	0.10	0.14	0.14	0.00
Crit Volume:	208			31			494			10		
Crit Moves:	***			***			***			***		

FR25 AM Thu Sep 19, 2013 08:52:31 Page 211-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1004 Vernon & Judah

Cycle (sec): 120 Critical Vol./Cap.(X): 0.458
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:	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:	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	5	39	42	38	26	25	97	578	9	27	260	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:	5	39	42	38	26	25	97	578	9	27	260	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:	5	39	42	38	26	25	97	578	9	27	260	115
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	39	42	38	26	25	97	578	9	27	260	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:	5	39	42	38	26	25	97	578	9	27	260	115

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	0.48	0.52	1.00	0.51	0.49	1.00	0.98	0.02	1.00	0.69	0.31
Final Sat.:	1600	770	830	1600	816	784	1600	1575	25	1600	1109	491

Capacity Analysis Module:

Vol/Sat:	0.00	0.05	0.05	0.02	0.03	0.03	0.06	0.37	0.37	0.02	0.23	0.23
Crit Volume:	81	38		587	27							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:31 Page 212-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1005 Vernon & Lincoln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.583
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	Split Phase	Split Phase
Rights:	Ignore	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 0 1 0	1 0 0 1 0

Volume Module:

Base Vol:	11	46	463	16	25	9	17	529	13	211	225	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:	11	46	463	16	25	9	17	529	13	211	225	34
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:	11	46	0	16	25	9	17	529	13	211	225	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	46	0	16	25	9	17	529	13	211	225	34
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:	11	46	0	16	25	9	17	529	13	211	225	34

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:	0.19	0.81	1.00	0.32	0.50	0.18	1.00	0.98	0.02	1.00	0.87	0.13
Final Sat.:	289	1211	1500	480	750	270	1500	1464	36	1500	1303	197

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.00	0.03	0.03	0.03	0.01	0.36	0.36	0.14	0.17	0.17
Crit Volume:	57	16		542	259							
Crit Moves:	****	****		****	****							

FR25 AM Thu Sep 19, 2013 08:52:31 Page 213-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1006 Washington & Main

Cycle (sec): 120 Critical Vol./Cap.(X): 0.587
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:	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	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	259	809	29	139	916	19	85	186	348	77	175	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:	259	809	29	139	916	19	85	186	348	77	175	37
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:	259	809	29	139	916	0	85	186	0	77	175	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	259	809	29	139	916	0	85	186	0	77	175	37
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:	259	809	29	139	916	0	85	186	0	77	175	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	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.28	0.02	0.10	0.32	0.00	0.06	0.13	0.00	0.05	0.12	0.03
Crit Volume:	130			458			186			77		
Crit Moves:	****			****			****			****		

FR25 AM Thu Sep 19, 2013 08:52:32 Page 214-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
AM Peak Hour

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

Intersection #1007 Washington & Oak

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

Volume Module:

Base Vol:	0	7	1	803	20	595	613	36	7	1	30	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	7	1	803	20	595	613	36	7	1	30	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	7	1	803	20	595	613	36	7	1	30	478
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	7	1	803	20	595	613	36	7	1	30	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	1.10
FinalVolume:	0	7	1	803	20	595	613	36	7	1	30	526

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	1.95	0.05	1.00	1.87	0.11	0.02	0.03	0.97	2.00
Final Sat.:	0	1450	1450	2830	70	1450	2710	159	31	47	1403	2900

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.28	0.28	0.41	0.23	0.23	0.23	0.02	0.02	0.18
Crit Volume:	7			412			328			31		
Crit Moves:	****			****			****			****		

Scenario Report

Scenario: FR25 PM

Command: FR25 PM

Volume: FR25 PM

Geometry: SV25

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/ LOS Veh	V/ C	Del/ LOS Veh	V/ C	
# 1 Atlantic & Tiger/Center	A	xxxxx 0.480	A	xxxxx 0.480	+ 0.000 V/C
# 2 Atlantic & Wills	C	xxxxx 0.762	C	xxxxx 0.762	+ 0.000 V/C
# 3 Atlantic St & Yosemite St	B	xxxxx 0.693	B	xxxxx 0.693	+ 0.000 V/C
# 4 Baseline Rd & Fiddymment Rd	F	xxxxx 1.000	F	xxxxx 1.000	+ 0.000 V/C
# 5 Blue Oaks & Crocker Ranch	C	xxxxx 0.701	C	xxxxx 0.701	+ 0.000 V/C
# 6 Blue Oaks & Del Webb	B	xxxxx 0.638	B	xxxxx 0.638	+ 0.000 V/C
# 7 Blue Oaks & Fiddymment	C	xxxxx 0.776	C	xxxxx 0.776	+ 0.000 V/C
# 8 Blue Oaks & New Meadow	C	xxxxx 0.714	C	xxxxx 0.714	+ 0.000 V/C
# 9 Blue Oaks & Orchard View	B	xxxxx 0.631	B	xxxxx 0.631	+ 0.000 V/C
# 10 Blue Oaks Bl & Diamond Creek B	E	xxxxx 0.978	E	xxxxx 0.978	+ 0.000 V/C
# 11 Blue Oaks Bl & Foothills Bl	F	xxxxx 1.364	F	xxxxx 1.364	+ 0.000 V/C
# 12 Blue Oaks Bl & Woodcreek Oaks	B	xxxxx 0.699	B	xxxxx 0.699	+ 0.000 V/C
# 13 Cirby & Sunrise	F	xxxxx 1.092	F	xxxxx 1.092	+ 0.000 V/C
# 14 Cirby Wy & Foothills Bl	F	xxxxx 1.110	F	xxxxx 1.110	+ 0.000 V/C
# 15 Cirby Wy & Melody Ln	B	xxxxx 0.616	B	xxxxx 0.616	+ 0.000 V/C
# 16 Cirby Wy & Northridge Dr	E	xxxxx 0.939	E	xxxxx 0.939	+ 0.000 V/C
# 17 Cirby Wy & Oak Ridge Dr	C	xxxxx 0.705	C	xxxxx 0.705	+ 0.000 V/C
# 18 Cirby Wy & Orlando Av	D	xxxxx 0.891	D	xxxxx 0.891	+ 0.000 V/C
# 19 Cirby Wy & Parkview Dr	A	xxxxx 0.533	A	xxxxx 0.533	+ 0.000 V/C
# 20 Cirby Wy & Riverside Av	F	xxxxx 1.162	F	xxxxx 1.162	+ 0.000 V/C
# 21 Cirby Wy & Rocky Ridge Dr	B	xxxxx 0.647	B	xxxxx 0.647	+ 0.000 V/C
# 22 Cirby Wy & San Simeon Dr	B	xxxxx 0.652	B	xxxxx 0.652	+ 0.000 V/C
# 23 Cirby Wy & Vernon St	F	xxxxx 1.297	F	xxxxx 1.297	+ 0.000 V/C

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 24 Douglas & Eureka	B xxxxx	0.663	B xxxxx	0.663	+ 0.000 V/C
# 25 Douglas & Rocky Ridge	D xxxxx	0.827	D xxxxx	0.827	+ 0.000 V/C
# 26 Douglas & Santa Clara	C xxxxx	0.701	C xxxxx	0.701	+ 0.000 V/C
# 27 Douglas & Sierra Gardens	B xxxxx	0.686	B xxxxx	0.686	+ 0.000 V/C
# 28 Douglas & Sunrise	E xxxxx	0.900	E xxxxx	0.900	+ 0.000 V/C
# 29 Douglas & Target	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
# 30 Douglas Bl & E Roseville Pw	C xxxxx	0.739	C xxxxx	0.739	+ 0.000 V/C
# 31 Douglas Bl & Folsom Rd	B xxxxx	0.628	B xxxxx	0.628	+ 0.000 V/C
# 32 Douglas Bl & Harding Bl	E xxxxx	0.971	E xxxxx	0.971	+ 0.000 V/C
# 33 Douglas Bl & Judah St	A xxxxx	0.500	A xxxxx	0.500	+ 0.000 V/C
# 34 Douglas Bl & Keehner Av	A xxxxx	0.490	A xxxxx	0.490	+ 0.000 V/C
# 35 Douglas Bl & Park Dr	A xxxxx	0.412	A xxxxx	0.412	+ 0.000 V/C
# 36 Douglas Bl & Sierra College Bl	D xxxxx	0.864	D xxxxx	0.864	+ 0.000 V/C
# 37 Eureka & Lead Hill	A xxxxx	0.536	A xxxxx	0.536	+ 0.000 V/C
# 38 Eureka & N. Sunrise	C xxxxx	0.767	C xxxxx	0.767	+ 0.000 V/C
# 39 Eureka & Rocky Ridge	C xxxxx	0.740	C xxxxx	0.740	+ 0.000 V/C
# 40 Eureka Rd & Ashland Dr	A xxxxx	0.443	A xxxxx	0.443	+ 0.000 V/C
# 41 Eureka Rd & Deer Valley Apts	A xxxxx	0.403	A xxxxx	0.403	+ 0.000 V/C
# 42 Fairway & Central Park/Lowes	A xxxxx	0.532	A xxxxx	0.532	+ 0.000 V/C
# 43 Fairway & Cortina Circle	A xxxxx	0.460	A xxxxx	0.460	+ 0.000 V/C
# 44 Fairway & Five Star	A xxxxx	0.446	A xxxxx	0.446	+ 0.000 V/C
# 45 Fairway & Home Depot	A xxxxx	0.520	A xxxxx	0.520	+ 0.000 V/C
# 46 Fairway & Target/Rosehall	A xxxxx	0.441	A xxxxx	0.441	+ 0.000 V/C
# 47 Fiddymment & Del Webb/Village G	B xxxxx	0.671	B xxxxx	0.671	+ 0.000 V/C
# 48 Fiddymment & Hayden Pkwy North	A xxxxx	0.512	A xxxxx	0.512	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 49 Fiddymment & Hayden Pkwy South	A xxxxx	0.589	A xxxxx	0.589	+ 0.000 V/C
# 50 Foothills & Baseline/Main	D xxxxx	0.866	D xxxxx	0.866	+ 0.000 V/C
# 51 Foothills & Misty Wood/Nec	A xxxxx	0.568	A xxxxx	0.568	+ 0.000 V/C
# 52 Foothills Bl & Albertsons Dr	B xxxxx	0.656	B xxxxx	0.656	+ 0.000 V/C
# 53 Foothills Bl & Atkinson Rd	A xxxxx	0.570	A xxxxx	0.570	+ 0.000 V/C
# 54 Foothills Bl & Roseville Pkwy/	D xxxxx	0.855	D xxxxx	0.855	+ 0.000 V/C
# 55 Foothills Bl & HP South	A xxxxx	0.544	A xxxxx	0.544	+ 0.000 V/C
# 56 Foothills Bl & Junction Bl	D xxxxx	0.845	D xxxxx	0.845	+ 0.000 V/C
# 57 Foothills Bl & Mcanally Dr	D xxxxx	0.896	D xxxxx	0.896	+ 0.000 V/C
# 58 Foothills Bl & Pleasant Grove	E xxxxx	0.994	E xxxxx	0.994	+ 0.000 V/C
# 59 Foothills Blvd & Rand/Pilgrims	A xxxxx	0.592	A xxxxx	0.592	+ 0.000 V/C
# 60 Foothills Bl & Vineyard Rd	D xxxxx	0.836	D xxxxx	0.836	+ 0.000 V/C
# 61 Galleria & Antelope Creek	B xxxxx	0.657	B xxxxx	0.657	+ 0.000 V/C
# 62 Galleria & Berry	D xxxxx	0.847	D xxxxx	0.847	+ 0.000 V/C
# 63 Galleria & Roseville Pkwy	F xxxxx	1.026	F xxxxx	1.026	+ 0.000 V/C
# 64 Harding & Wills	C xxxxx	0.799	C xxxxx	0.799	+ 0.000 V/C
# 65 Harding Bl & Estates Dr	C xxxxx	0.718	C xxxxx	0.718	+ 0.000 V/C
# 66 Harding Bl & Lead Hill Bl	C xxxxx	0.791	C xxxxx	0.791	+ 0.000 V/C
# 67 Harding Bl & Roseville Square	B xxxxx	0.624	B xxxxx	0.624	+ 0.000 V/C
# 68 Junction & Stonecrest/Magenta	A xxxxx	0.524	A xxxxx	0.524	+ 0.000 V/C
# 69 Junction Bl & Americana Dr	A xxxxx	0.594	A xxxxx	0.594	+ 0.000 V/C
# 70 Junction Bl & Baseline Rd	D xxxxx	0.863	D xxxxx	0.863	+ 0.000 V/C
# 71 Junction Bl & Country Club Dr	C xxxxx	0.746	C xxxxx	0.746	+ 0.000 V/C
# 72 Junction Bl & Park Regency Dr	B xxxxx	0.619	B xxxxx	0.619	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 73 Junction Bl & Porter Dr	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
# 74 Junction Bl & Revere Dr	B xxxxx	0.645	B xxxxx	0.645	+ 0.000 V/C
# 75 Junction Bl & Washington Bl	E xxxxx	0.982	E xxxxx	0.982	+ 0.000 V/C
# 76 Junction Bl & Woodcreek Oaks B	B xxxxx	0.671	B xxxxx	0.671	+ 0.000 V/C
# 77 Lead Hill Bl & N Sunrise Av	C xxxxx	0.738	C xxxxx	0.738	+ 0.000 V/C
# 78 Lead Hill Bl & Rocky Ridge Dr	B xxxxx	0.658	B xxxxx	0.658	+ 0.000 V/C
# 79 Lead Hill Bl & Wal-Mart	A xxxxx	0.404	A xxxxx	0.404	+ 0.000 V/C
# 80 N Sunrise Av & Automall Dr	A xxxxx	0.524	A xxxxx	0.524	+ 0.000 V/C
# 81 N Sunrise Av & Stone Point Dr	A xxxxx	0.585	A xxxxx	0.585	+ 0.000 V/C
# 82 N. Sunrise & Sierra Gardens	B xxxxx	0.627	B xxxxx	0.627	+ 0.000 V/C
# 83 Olympus Dr & Europa St	A xxxxx	0.192	A xxxxx	0.192	+ 0.000 V/C
# 84 PFE & Hilltop	A xxxxx	0.444	A xxxxx	0.444	+ 0.000 V/C
# 85 Pleasant Grove & Fairway	E xxxxx	0.971	E xxxxx	0.971	+ 0.000 V/C
# 86 Pleasant Grove & Fiddymment	F xxxxx	1.041	F xxxxx	1.041	+ 0.000 V/C
# 87 Pleasant Grove & Gold Coast/Ha	D xxxxx	0.813	D xxxxx	0.813	+ 0.000 V/C
# 88 Pleasant Grove & Highland Park	A xxxxx	0.571	A xxxxx	0.571	+ 0.000 V/C
# 89 Pleasant Grove & Market	A xxxxx	0.583	A xxxxx	0.583	+ 0.000 V/C
# 90 Pleasant Grove & Michener	D xxxxx	0.800	D xxxxx	0.800	+ 0.000 V/C
# 91 Pleasant Grove & Monument	A xxxxx	0.486	A xxxxx	0.486	+ 0.000 V/C
# 92 Pleasant Grove & Rose Creek	D xxxxx	0.810	D xxxxx	0.810	+ 0.000 V/C
# 93 Pleasant Grove & Roseville Pkw	F xxxxx	1.204	F xxxxx	1.204	+ 0.000 V/C
# 94 Pleasant Grove & Sun City	C xxxxx	0.707	C xxxxx	0.707	+ 0.000 V/C
# 95 Pleasant Grove & Wal-Mart/High	D xxxxx	0.838	D xxxxx	0.838	+ 0.000 V/C
# 96 Pleasant Grove & Washington	E xxxxx	0.921	E xxxxx	0.921	+ 0.000 V/C
# 97 Pleasant Grove Bl & Country Cl	B xxxxx	0.621	B xxxxx	0.621	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
# 98 Pleasant Grove Bl & Woodcreek	D xxxxx	0.863	D xxxxx	0.863	+ 0.000 V/C
# 99 Rocky Ridge Dr & Maidu Dr	A xxxxx	0.599	A xxxxx	0.599	+ 0.000 V/C
#100 Rocky Ridge Dr & McLaren Dr	A xxxxx	0.496	A xxxxx	0.496	+ 0.000 V/C
#101 Rocky Ridge Dr & Professional	B xxxxx	0.669	B xxxxx	0.669	+ 0.000 V/C
#102 Rocky Ridge Dr & Stone Point D	A xxxxx	0.251	A xxxxx	0.251	+ 0.000 V/C
#103 Roseville Parkway & Chase	D xxxxx	0.831	D xxxxx	0.831	+ 0.000 V/C
#104 Roseville Parkway & Creekside	D xxxxx	0.804	D xxxxx	0.804	+ 0.000 V/C
#105 Roseville Parkway & Gibson	D xxxxx	0.838	D xxxxx	0.838	+ 0.000 V/C
#106 Roseville Parkway & N. Sunrise	E xxxxx	0.922	E xxxxx	0.922	+ 0.000 V/C
#107 Roseville Parkway & Reserve	D xxxxx	0.814	D xxxxx	0.814	+ 0.000 V/C
#108 Roseville Parkway & Secret Rav	C xxxxx	0.740	C xxxxx	0.740	+ 0.000 V/C
#109 Roseville Parkway & Taylor	D xxxxx	0.819	D xxxxx	0.819	+ 0.000 V/C
#110 Roseville Parkway & West Mall	A xxxxx	0.594	A xxxxx	0.594	+ 0.000 V/C
#111 Roseville Pw & Alexandra Dr	B xxxxx	0.608	B xxxxx	0.608	+ 0.000 V/C
#112 Roseville Pw & Eureka Rd	C xxxxx	0.726	C xxxxx	0.726	+ 0.000 V/C
#113 Roseville Pw & Lead Hill/Orvie	B xxxxx	0.650	B xxxxx	0.650	+ 0.000 V/C
#114 Roseville Pw & N Cirby Wy	A xxxxx	0.502	A xxxxx	0.502	+ 0.000 V/C
#115 Roseville Pw & Olympus Dr	B xxxxx	0.601	B xxxxx	0.601	+ 0.000 V/C
#116 Roseville Pw & Rocky Ridge Dr	A xxxxx	0.585	A xxxxx	0.585	+ 0.000 V/C
#117 Roseville Pw & Sierra College	D xxxxx	0.813	D xxxxx	0.813	+ 0.000 V/C
#118 Roseville Pw & Trestle Rd	B xxxxx	0.655	B xxxxx	0.655	+ 0.000 V/C
#119 Roseville Pw & Village/Slate C	A xxxxx	0.517	A xxxxx	0.517	+ 0.000 V/C
#120 Roseville Pw & Washington Bl	C xxxxx	0.761	C xxxxx	0.761	+ 0.000 V/C
#121 S Cirby Wy & Champion Oaks Dr	A xxxxx	0.529	A xxxxx	0.529	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#122 S Cirby Wy & Old Auburn Rd	C xxxxx	0.746	C xxxxx	0.746	+ 0.000 V/C
#123 Secret Ravine & Scarborough/ P	A xxxxx	0.328	A xxxxx	0.328	+ 0.000 V/C
#124 Sierra College & Miners Ravine	A xxxxx	0.445	A xxxxx	0.445	+ 0.000 V/C
#125 Sierra College & Secret Ravine	A xxxxx	0.588	A xxxxx	0.588	+ 0.000 V/C
#126 Sierra College Bl & Eureka Rd	A xxxxx	0.558	A xxxxx	0.558	+ 0.000 V/C
#127 Sierra College Bl & Indigo Cre	C xxxxx	0.784	C xxxxx	0.784	+ 0.000 V/C
#128 Sierra College Bl & Old Auburn	C xxxxx	0.788	C xxxxx	0.788	+ 0.000 V/C
#129 Sierra College Bl & Olympus Dr	A xxxxx	0.548	A xxxxx	0.548	+ 0.000 V/C
#130 Stanford Ranch & Fairway	B xxxxx	0.679	B xxxxx	0.679	+ 0.000 V/C
#131 Stanford Ranch & Five Star	B xxxxx	0.630	B xxxxx	0.630	+ 0.000 V/C
#132 Stanford Ranch & Highland Park	A xxxxx	0.550	A xxxxx	0.550	+ 0.000 V/C
#133 Sunrise & Coloma	C xxxxx	0.738	C xxxxx	0.738	+ 0.000 V/C
#134 Sunrise & Sandringham/Kensingt	D xxxxx	0.865	D xxxxx	0.865	+ 0.000 V/C
#135 Sunrise & Sun Tree/Kensington	C xxxxx	0.703	C xxxxx	0.703	+ 0.000 V/C
#136 Sunrise Av & Frances Dr	B xxxxx	0.615	B xxxxx	0.615	+ 0.000 V/C
#137 Sunrise Av & Oak Ridge Dr	A xxxxx	0.454	A xxxxx	0.454	+ 0.000 V/C
#138 Washington & Diamond Oaks	C xxxxx	0.764	C xxxxx	0.764	+ 0.000 V/C
#139 Washington & Sawtell/Derek	D xxxxx	0.816	D xxxxx	0.816	+ 0.000 V/C
#140 Washington Bl & Hallissy Dr	A xxxxx	0.467	A xxxxx	0.467	+ 0.000 V/C
#141 Woodcreek Oaks & Baseline	E xxxxx	0.910	E xxxxx	0.910	+ 0.000 V/C
#142 Woodcreek Oaks & Canevari/Arse	B xxxxx	0.690	B xxxxx	0.690	+ 0.000 V/C
#143 Woodcreek Oaks & Horncastle	A xxxxx	0.571	A xxxxx	0.571	+ 0.000 V/C
#144 Woodcreek Oaks & Mcanally	C xxxxx	0.718	C xxxxx	0.718	+ 0.000 V/C
#145 Woodcreek Oaks & Trailee	A xxxxx	0.485	A xxxxx	0.485	+ 0.000 V/C
#146 SR 65 N/B Off & Blue Oaks Blvd	B xxxxx	0.672	B xxxxx	0.672	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#147 Washington Blvd & Blue Oaks Bl	B xxxxx	0.695	B xxxxx	0.695	+ 0.000 V/C
#148 I-80 WB Off & Douglas Blvd	C xxxxx	0.799	C xxxxx	0.799	+ 0.000 V/C
#149 I-80 WB On & Atlantic St	A xxxxx	0.546	A xxxxx	0.546	+ 0.000 V/C
#150 SR 65 N/B Off & Pleasant Grove	C xxxxx	0.765	C xxxxx	0.765	+ 0.000 V/C
#151 SR 65 S/B Off & Pleasant Grove	C xxxxx	0.717	C xxxxx	0.717	+ 0.000 V/C
#152 I-80 WB Off & Riverside Ave	B xxxxx	0.629	B xxxxx	0.629	+ 0.000 V/C
#153 Stanford Ranch & Sr-65 N/B On	D xxxxx	0.867	D xxxxx	0.867	+ 0.000 V/C
#154 Stanford Ranch/Galleria & Sr-6	D xxxxx	0.832	D xxxxx	0.832	+ 0.000 V/C
#155 Taylor & Eureka I-80 EB Off	E xxxxx	0.962	E xxxxx	0.962	+ 0.000 V/C
#156 Fairway & Highland Park	A xxxxx	0.561	A xxxxx	0.561	+ 0.000 V/C
#157 I-80 EB Off/Orlando & Riversid	E xxxxx	0.911	E xxxxx	0.911	+ 0.000 V/C
#158 Roseville Rkwy & Old Auburn	A xxxxx	0.407	A xxxxx	0.407	+ 0.000 V/C
#159 Washington Blvd & Industrial	B xxxxx	0.669	B xxxxx	0.669	+ 0.000 V/C
#160 Foothills Blvd & HP Far South/	C xxxxx	0.713	C xxxxx	0.713	+ 0.000 V/C
#161 Blue Oaks Blvd & Wood Meadow	C xxxxx	0.724	C xxxxx	0.724	+ 0.000 V/C
#162 Gibson Rd & New Convention Cen	B xxxxx	0.688	B xxxxx	0.688	+ 0.000 V/C
#163 Blue Oaks Blvd & Westbrook Blv	A xxxxx	0.570	A xxxxx	0.570	+ 0.000 V/C
#164 Blue Oaks Blvd & Hayden Pkwy	B xxxxx	0.660	B xxxxx	0.660	+ 0.000 V/C
#165 Fiddymment Rd & Westhills Dr	E xxxxx	0.911	E xxxxx	0.911	+ 0.000 V/C
#166 Pleasant Grove Blvd & Westbroo	B xxxxx	0.678	B xxxxx	0.678	+ 0.000 V/C
#167 Fiddymment Rd & Westlake Dr	A xxxxx	0.401	A xxxxx	0.401	+ 0.000 V/C
#168 Woodcreek Oaks Blvd & Northpar	A xxxxx	0.346	A xxxxx	0.346	+ 0.000 V/C
#169 Woodcreek Oaks Blvd & Parkside	A xxxxx	0.455	A xxxxx	0.455	+ 0.000 V/C
#170 Industrial Ave & Alantown Dr	D xxxxx	0.827	D xxxxx	0.827	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#171 Roseville Pkwy & Gibson West	D xxxxx	0.852	D xxxxx	0.852	+ 0.000 V/C
#172 Washington Blvd & All America	A xxxxx	0.563	A xxxxx	0.563	+ 0.000 V/C
#173 Cirby & Cottonwood	A xxxxx	0.440	A xxxxx	0.440	+ 0.000 V/C
#174 Secret Ravine & Alexandra	A xxxxx	0.205	A xxxxx	0.205	+ 0.000 V/C
#175 Fiddymment Rd & Fiddymment Ranch	C xxxxx	0.731	C xxxxx	0.731	+ 0.000 V/C
#176 Douglas Bl & I-80 EB On	C xxxxx	0.735	C xxxxx	0.735	+ 0.000 V/C
#177 Santucci Blvd & Pleasant Grove	A xxxxx	0.571	A xxxxx	0.571	+ 0.000 V/C
#178 Santucci Blvd & Federico Dr	A xxxxx	0.397	A xxxxx	0.397	+ 0.000 V/C
#179 Santucci Blvd & Vista Glen Blv	A xxxxx	0.396	A xxxxx	0.396	+ 0.000 V/C
#180 Watt Ave & Baseline Rd	C xxxxx	0.786	C xxxxx	0.786	+ 0.000 V/C
#181 Westbrook Blvd & Federico Dr	A xxxxx	0.346	A xxxxx	0.346	+ 0.000 V/C
#182 Westbrook Blvd & Vista Glen Bl	C xxxxx	0.711	C xxxxx	0.711	+ 0.000 V/C
#183 Westbrook Blvd & Baseline Rd	C xxxxx	0.762	C xxxxx	0.762	+ 0.000 V/C
#184 Market St & Vista Glen Blvd	A xxxxx	0.388	A xxxxx	0.388	+ 0.000 V/C
#185 Market St & Baseline Rd	B xxxxx	0.625	B xxxxx	0.625	+ 0.000 V/C
#186 Pleasant Grove Blvd & Upland D	A xxxxx	0.546	A xxxxx	0.546	+ 0.000 V/C
#187 Upland Dr & Vista Glen Blvd	A xxxxx	0.425	A xxxxx	0.425	+ 0.000 V/C
#188 Upland Dr & Baseline Rd	A xxxxx	0.579	A xxxxx	0.579	+ 0.000 V/C
#189 Baseline Rd & CMU3 Entrance	A xxxxx	0.564	A xxxxx	0.564	+ 0.000 V/C
#190 Westbrook Blvd & Sierra Villag	A xxxxx	0.485	A xxxxx	0.485	+ 0.000 V/C
#191 Vista Glen Blvd & Road 2A	A xxxxx	0.248	A xxxxx	0.248	+ 0.000 V/C
#192 Vista Glen Blvd & SV NS Coll 5	A xxxxx	0.344	A xxxxx	0.344	+ 0.000 V/C
#193 Santucci Blvd & SV CC5 CC6	A xxxxx	0.331	A xxxxx	0.331	+ 0.000 V/C
#194 Santucci Blvd & Sierra Village	A xxxxx	0.415	A xxxxx	0.415	+ 0.000 V/C
#195 Vista Glen Blvd & Road 1	A xxxxx	0.054	A xxxxx	0.054	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Intersection	Base Del/ LOS Veh	V/ C	Future Del/ LOS Veh	V/ C	Change in
#196 Westbrook Blvd & Sierra Glen D	A xxxxx	0.277	A xxxxx	0.277	+ 0.000 V/C
#197 Baseline Rd & SV CC2	B xxxxx	0.659	B xxxxx	0.659	+ 0.000 V/C
#198 Baseline Rd & SV CCBP2	A xxxxx	0.592	A xxxxx	0.592	+ 0.000 V/C
#199 Baseline Rd & SV CC4	C xxxxx	0.752	C xxxxx	0.752	+ 0.000 V/C
#200 Westbrook Blvd & Parkway One	A xxxxx	0.237	A xxxxx	0.237	+ 0.000 V/C
#201 Westbrook Blvd & Nobo Dr	A xxxxx	0.131	A xxxxx	0.131	+ 0.000 V/C
#202 Blue Oaks Blvd & Nobo Dr	A xxxxx	0.458	A xxxxx	0.458	+ 0.000 V/C
#203 Santucci Blvd & Road E	A xxxxx	0.406	A xxxxx	0.406	+ 0.000 V/C
#204 Westbrook Blvd & Road E	A xxxxx	0.256	A xxxxx	0.256	+ 0.000 V/C
#205 Pleasant Grove Blvd & Road 1	A xxxxx	0.397	A xxxxx	0.397	+ 0.000 V/C
#1001 Riverside Av & Darling Wy	B xxxxx	0.636	B xxxxx	0.636	+ 0.000 V/C
#1002 Vernon & Douglas/Riverside	B xxxxx	0.659	B xxxxx	0.659	+ 0.000 V/C
#1003 Vernon & Grant	A xxxxx	0.568	A xxxxx	0.568	+ 0.000 V/C
#1004 Vernon & Judah	B xxxxx	0.603	B xxxxx	0.603	+ 0.000 V/C
#1005 Vernon & Lincoln	E xxxxx	0.989	E xxxxx	0.989	+ 0.000 V/C
#1006 Washington & Main	D xxxxx	0.848	D xxxxx	0.848	+ 0.000 V/C
#1007 Washington & Oak	C xxxxx	0.748	C xxxxx	0.748	+ 0.000 V/C

Traffix 8.0.0715 (c) 2008 Dowling Assoc. Licensed to DKS ASSOC., SACRAMENTO

FR25 PM Thu Sep 19, 2013 08:52:45 Page 3-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #1 Atlantic & Tiger/Center

Cycle (sec): 120 Critical Vol./Cap.(X): 0.480
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:	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:	17	1	22	64	4	18	20	1141	42	14	1077	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:	17	1	22	64	4	18	20	1141	42	14	1077	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:	17	1	22	64	4	18	20	1141	42	14	1077	169
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	1	22	64	4	18	20	1141	42	14	1077	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:	17	1	22	64	4	18	20	1141	42	14	1077	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:	1.00	0.04	0.96	0.94	0.06	1.00	1.00	1.93	0.07	1.00	2.00	1.00
Final Sat.:	1450	63	1387	1365	85	1450	1450	2797	103	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.02	0.02	0.05	0.05	0.01	0.01	0.41	0.41	0.01	0.37	0.12
Crit Volume:	23			68				592		14		
Crit Moves:	***			***				***		***		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 4-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #2 Atlantic & Wills

Cycle (sec): 120 Critical Vol./Cap.(X): 0.762
Loss Time (sec): 9 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:	Permitted	Permitted	Protected	Protected
Rights:	Ovl	Ignore	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 1 1 0

Volume Module:

Base Vol:	87	0	675	0	0	0	0	936	287	333	1338	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:	87	0	675	0	0	0	0	936	287	333	1338	1
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:	87	0	675	0	0	0	0	936	287	333	1338	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	0	675	0	0	0	0	936	287	333	1338	1
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:	87	0	675	0	0	0	0	936	287	333	1338	1

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	1.99	0.01
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	2998	2

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.45	0.00	0.00	0.00	0.00	0.31	0.19	0.22	0.45	0.45
Crit Volume:	675	0						468		0		
Crit Moves:	***							***		***		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 5-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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): 0.693
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:	Permitted	Permitted	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	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	381	0	271	147	871	0	0	1022	373
Growth Adj:	1.00	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	381	0	271	147	871	0	0	1022	373
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	381	0	271	147	871	0	0	1022	373
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	381	0	271	147	871	0	0	1022	373
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	381	0	271	147	871	0	0	1022	373

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	0.25	0.00	0.18	0.10	0.29	0.00	0.00	0.34	0.25
Crit Volume:	0	381	147	511								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:45 Page 6-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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): 1.000
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	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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	166	900	328	375	999	138	653	1212	108	585	1909	362
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	166	900	328	375	999	138	653	1212	108	585	1909	362
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:	166	900	328	375	999	0	653	1212	108	585	1909	362
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	166	900	328	375	999	0	653	1212	108	585	1909	362
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:	166	900	328	375	999	0	653	1212	108	585	1909	362

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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:	0.06	0.21	0.23	0.13	0.23	0.00	0.23	0.28	0.07	0.20	0.44	0.25
Crit Volume:	300	188	327	636								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:45 Page 7-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #5 Blue Oaks & Crocker Ranch

Cycle (sec): 100 Critical Vol./Cap.(X): 0.701
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 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	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	2 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	193	0	28	34	1406	0	0	2763	350
Growth Adj:	1.00	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	193	0	28	34	1406	0	0	2763	350
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	193	0	28	34	1406	0	0	2763	350
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	193	0	28	34	1406	0	0	2763	350
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	193	0	28	34	1406	0	0	2763	350

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	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	1500	1500	4500	0	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.06	0.00	0.02	0.02	0.31	0.00	0.00	0.61	0.23
Crit Volume:	0	0	0	97	0	0	34	0	0	0	921	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:45 Page 8-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #6 Blue Oaks & Del Webb

Cycle (sec): 120 Critical Vol./Cap.(X): 0.638
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:	Permitted	Permitted	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:	25	0	72	0	0	0	0	1321	38	154	2797	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:	25	0	72	0	0	0	0	1321	38	154	2797	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:	25	0	72	0	0	0	0	1321	38	154	2797	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	0	72	0	0	0	0	1321	38	154	2797	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:	25	0	72	0	0	0	0	1321	38	154	2797	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:	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.29	0.03	0.10	0.62	0.00
Crit Volume:	25	0	0	0	0	0	0	932	0	0	932	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:45 Page 9-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #7 Blue Oaks & Fiddymment

Cycle (sec): 120 Critical Vol./Cap.(X): 0.776
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 102 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	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 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	56	958	529	162	683	345	245	601	44	730	1325	331
Growth Adj:	1.00	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	958	529	162	683	345	245	601	44	730	1325	331
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:	56	958	0	162	683	345	245	601	0	730	1325	331
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	56	958	0	162	683	345	245	601	0	730	1325	331
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:	56	958	0	162	683	345	245	601	0	730	1325	331

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	0.33	0.00	0.06	0.24	0.24	0.08	0.14	0.00	0.25	0.30	0.23
Crit Volume:	479	81		200	365							
Crit Moves:	****	****		****	****							

FR25 PM Thu Sep 19, 2013 08:52:45 Page 10-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #8 Blue Oaks & New Meadow

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:	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 1	1 1 0 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0	0	0	111	0	25	27	2251	0	0	3953	605
Growth Adj:	1.00	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	111	0	25	27	2251	0	0	3953	605
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	111	0	25	27	2251	0	0	3953	605
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	111	0	25	27	2251	0	0	3953	605
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	111	0	25	27	2251	0	0	3953	605

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	1.00	1.00	2.00	0.00	1.00	1.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1500	1500	1500	3000	0	1500	1500	6000	1500	1500	6000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.02	0.02	0.38	0.00	0.00	0.66	0.40
Crit Volume:	0	56	27	988								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:45 Page 11-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #9 Blue Oaks & Orchard View

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	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 0 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	138	0	1	1	1263	1	0	2423	237
Growth Adj:	1.00	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	138	0	1	1	1263	1	0	2423	237
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	138	0	1	1	1263	1	0	2423	237
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	138	0	1	1	1263	1	0	2423	237
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	138	0	1	1	1263	1	0	2423	237

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.28	0.00	0.00	0.54	0.16
Crit Volume:	0	138	1	808								
Crit Moves:	****		****									

FR25 PM Thu Sep 19, 2013 08:52:45 Page 12-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #10 Blue Oaks Bl & Diamond Creek Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.978
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:	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	1 0 1 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	250	132	57	284	17	198	98	1345	31	25	2639	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:	250	132	57	284	17	198	98	1345	31	25	2639	181
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	250	132	57	284	17	198	98	1345	31	25	2639	181
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	250	132	57	284	17	198	98	1345	31	25	2639	181
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	250	132	57	284	17	198	98	1345	31	25	2639	181

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.31	0.69	1.00	1.14	0.07	0.79	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1898	1002	1450	1651	99	1151	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.13	0.04	0.17	0.17	0.17	0.07	0.31	0.02	0.02	0.61	0.12
Crit Volume:	191	250	98	880								
Crit Moves:	****		****									

FR25 PM Thu Sep 19, 2013 08:52:45 Page 13-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #11 Blue Oaks Bl & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 1.364
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			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:	3	0	2	0	1	2	0	3	0	1	2	0

Volume Module:

Base Vol:	889	435	446	312	861	1038	264	1682	365	169	2571	118
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	889	435	446	312	861	1038	264	1682	365	169	2571	118
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:	889	435	0	312	861	1038	264	1682	365	169	2571	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	889	435	0	312	861	1038	264	1682	365	169	2571	118
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:	889	435	0	312	861	1038	264	1682	365	169	2571	118

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	4.00	1.00	2.00	4.00	1.00
Final Sat.:	4350	2900	1450	2900	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.20	0.15	0.00	0.11	0.20	0.72	0.09	0.29	0.25	0.06	0.44	0.08
Crit Volume:	296			1038			0			643		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 14-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #12 Blue Oaks Bl & Woodcreek Oaks Bl

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	1	2	0	2	0	1	2	0

Volume Module:

Base Vol:	105	234	396	163	179	33	91	1403	191	929	2500	358
Growth Adj:	1.00	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	234	396	163	179	33	91	1403	191	929	2500	358
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	234	396	163	179	33	91	1403	191	929	2500	358
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	105	234	396	163	179	33	91	1403	191	929	2500	358
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	105	234	396	163	179	33	91	1403	191	929	2500	358

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.04	0.08	0.27	0.06	0.06	0.02	0.03	0.24	0.13	0.32	0.43	0.25
Crit Volume:	117			82			351			464		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 15-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #13 Cirby & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 1.092
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	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 3 0 1	2 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	866	1008	198	244	1495	235	394	839	501	465	651	138
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	866	1008	198	244	1495	235	394	839	501	465	651	138
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	866	1008	198	244	1495	235	394	839	501	465	651	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	866	1008	198	244	1495	235	394	839	501	465	651	138
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	866	1008	198	244	1495	235	394	839	501	465	651	138

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.30	0.35	0.14	0.08	0.34	0.16	0.14	0.29	0.35	0.16	0.22	0.10
Crit Volume:	433			498			420			232		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 16-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #14 Cirby Wy & Foothills Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 1.110
Loss Time (sec): 9 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	Permitted	Permitted
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:	0 0 2 0 1	2 0 1 0 0	0 0 0 0 0	2 0 0 0 2

Volume Module:

Base Vol:	0	718	484	1968	600	0	0	0	0	645	0	2414
Growth Adj:	1.00	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	718	484	1968	600	0	0	0	0	645	0	2414
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	718	0	1968	600	0	0	0	0	645	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	718	0	1968	600	0	0	0	0	645	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:	0	718	0	1968	600	0	0	0	0	645	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:	0.00	2.00	1.00	2.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00
Final Sat.:	0	3000	1500	3000	1500	0	0	0	0	3000	0	3000

Capacity Analysis Module:

Vol/Sat:	0.00	0.24	0.00	0.66	0.40	0.00	0.00	0.00	0.00	0.22	0.00	0.00
Crit Volume:	359			984			0			323		
Crit Moves:	****			****						****		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 17-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #15 Cirby Wy & Melody Ln

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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 3 0 0

Volume Module:

Base Vol:	0	0	263	0	0	0	0	2199	9	376	2655	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	263	0	0	0	0	2199	9	376	2655	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:	0	0	0	0	0	0	0	2199	9	376	2655	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	2199	9	376	2655	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:	0	0	0	0	0	0	0	2199	9	376	2655	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	0.00	0.00	2.99	0.01	2.00	3.00	0.00
Final Sat.:	0	0	1500	0	0	0	0	4482	18	3000	4500	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.49	0.13	0.59	0.00
Crit Volume:	0	0	0	0	0	0	736	188	0	0	0
Crit Moves:							****	****			

FR25 PM Thu Sep 19, 2013 08:52:45 Page 18-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #16 Cirby Wy & Northridge Dr

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:	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	0 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	2	1	14	17	1	6	14	2161	9	15	2602	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:	2	1	14	17	1	6	14	2161	9	15	2602	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:	2	1	14	17	1	6	14	2161	9	15	2602	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1	14	17	1	6	14	2161	9	15	2602	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:	2	1	14	17	1	6	14	2161	9	15	2602	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:	0.12	0.06	0.82	0.94	0.06	1.00	1.00	1.99	0.01	1.00	1.98	0.02
Final Sat.:	171	85	1194	1369	81	1450	1450	2888	12	1450	2875	25

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.75	0.75	0.01	0.91	0.91
Crit Volume:	17	18	14	14	14	1313						
Crit Moves:	****	****	****	****	****	****						

FR25 PM Thu Sep 19, 2013 08:52:45 Page 19-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #17 Cirby Wy & Oak Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.705
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 77 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:	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 1 0 0 1	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	8	14	51	163	167	186	60	1076	40	162	1154	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:	8	14	51	163	167	186	60	1076	40	162	1154	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:	8	14	51	163	167	186	60	1076	40	162	1154	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	14	51	163	167	186	60	1076	40	162	1154	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:	8	14	51	163	167	186	60	1076	40	162	1154	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:	0.11	0.19	0.70	0.49	0.51	1.00	1.00	1.93	0.07	1.00	1.96	0.04
Final Sat.:	164	288	1048	741	759	1500	1500	2892	108	1500	2941	59

Capacity Analysis Module:

Vol/Sat:	0.05	0.05	0.05	0.22	0.22	0.12	0.04	0.37	0.37	0.11	0.39	0.39
Crit Volume:	8			330					558	162		
Crit Moves:	****			****					****	****		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 20-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #18 Cirby Wy & Orlando Av

Cycle (sec): 120 Critical Vol./Cap.(X): 0.891
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:	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 2 0 1	2 0 1 1 0

Volume Module:

Base Vol:	49	3	459	5	7	5	44	1643	214	289	1585	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:	49	3	459	5	7	5	44	1643	214	289	1585	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:	49	3	459	5	7	5	44	1643	214	289	1585	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	3	459	5	7	5	44	1643	214	289	1585	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:	49	3	459	5	7	5	44	1643	214	289	1585	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:	0.94	0.06	1.00	0.42	0.58	1.00	1.00	2.00	1.00	2.00	1.99	0.01
Final Sat.:	1366	84	1450	604	846	1450	1450	2900	1450	2900	2895	5

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.32	0.01	0.01	0.00	0.03	0.57	0.15	0.10	0.55	0.55
Crit Volume:			459		12			822		0		
Crit Moves:			****		****			****		****		

FR25 PM Thu Sep 19, 2013 08:52:45 Page 21-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #19 Cirby Wy & Parkview Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.533
Loss Time (sec): 9 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	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:	23	1	17	26	0	13	22	1043	7	11	1340	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:	23	1	17	26	0	13	22	1043	7	11	1340	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:	23	1	17	26	0	13	22	1043	7	11	1340	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	1	17	26	0	13	22	1043	7	11	1340	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:	23	1	17	26	0	13	22	1043	7	11	1340	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:	0.57	0.02	0.41	1.00	0.00	1.00	1.00	1.99	0.01	1.00	1.96	0.04
Final Sat.:	813	35	601	1450	0	1450	1450	2881	19	1450	2841	59

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.03	0.02	0.00	0.01	0.02	0.36	0.36	0.01	0.47	0.47
Crit Volume:	41	26	22	684								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:45 Page 22-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #20 Cirby Wy & Riverside Av

Cycle (sec): 120 Critical Vol./Cap.(X): 1.162
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	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 3 0 1	2 0 3 0 2	2 0 2 0 1

Volume Module:

Base Vol:	1221	471	320	327	849	232	231	1280	1188	100	1353	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:	1221	471	320	327	849	232	231	1280	1188	100	1353	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:	1221	471	320	327	849	232	231	1280	1188	100	1353	192
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1221	471	320	327	849	232	231	1280	1188	100	1353	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	1.10	1.00	1.00	1.00
FinalVolume:	1221	471	320	327	849	232	231	1280	1307	100	1353	192

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.42	0.16	0.22	0.11	0.20	0.16	0.08	0.29	0.45	0.03	0.47	0.13
Crit Volume:	611	283	116	677								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:45 Page 23-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #21 Cirby Wy & Rocky Ridge Dr

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:	Permitted			Permitted			Split Phase			Split Phase		
Rights:	Include			Ignore			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	1	1	0	1	1	0	1	0	1

Volume Module:

Base Vol:	0	0	0	674	0	801	554	428	0	0	612	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:	0	0	0	674	0	801	554	428	0	0	612	359
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:	0	0	0	674	0	0	554	428	0	0	612	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	674	0	0	554	428	0	0	612	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:	0	0	0	674	0	0	554	428	0	0	612	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	1.69	1.31	0.00	0.00	2.00	1.00
Final Sat.:	0	0	0	3000	0	1500	2539	1961	0	0	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.22	0.00	0.00	0.22	0.22	0.00	0.00	0.20	0.00
Crit Volume:	0	0	0	337	0	0	327	306	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:45 Page 24-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #22 Cirby Wy & San Simeon Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.652
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:	Permitted			Permitted			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	2	0

Volume Module:

Base Vol:	83	0	39	0	0	0	0	1625	480	46	1790	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:	83	0	39	0	0	0	0	1625	480	46	1790	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:	83	0	39	0	0	0	0	1625	480	46	1790	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	0	39	0	0	0	0	1625	480	46	1790	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:	83	0	39	0	0	0	0	1625	480	46	1790	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	2.32	0.68	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3474	1026	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.47	0.47	0.03	0.60	0.00
Crit Volume:	83	0	0	0	0	0	0	895	895	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 25-1

City of Roseville Fiddymont Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #23 Cirby Wy & Vernon St

Cycle (sec): 120 Critical Vol./Cap.(X): 1.297
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	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	2 0 1 0 1	2 0 1 1 0	2 0 2 0 1

Volume Module:

Base Vol:	37	110	100	79	108	639	350	2117	22	58	2409	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:	37	110	100	79	108	639	350	2117	22	58	2409	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:	37	110	100	79	108	639	350	2117	22	58	2409	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	110	100	79	108	639	350	2117	22	58	2409	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:	37	110	100	79	108	639	350	2117	22	58	2409	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	2.00	1.00	1.00	2.00	1.98	0.02	2.00	2.00	1.00
Final Sat.:	1450	1450	1450	2900	1450	1450	2900	2870	30	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.08	0.07	0.03	0.07	0.44	0.12	0.74	0.74	0.02	0.83	0.04
Crit Volume:	37			639		0				1204		
Crit Moves:	****			****		****				****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 26-1

City of Roseville Fiddymont Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #24 Douglas & Eureka

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:	Include	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 2 1 0	3 0 2 1 0	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	453	739	21	679	658	62	151	1080	290	63	1218	582
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	453	739	21	679	658	62	151	1080	290	63	1218	582
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	453	739	21	679	658	62	151	1080	290	63	1218	582
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	453	739	21	679	658	62	151	1080	290	63	1218	582
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	453	739	21	679	658	62	151	1080	290	63	1218	582

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	2.92	0.08	3.00	2.74	0.26	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4230	120	4350	3975	375	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.17	0.17	0.16	0.17	0.17	0.05	0.25	0.20	0.02	0.28	0.00
Crit Volume:	253			226			76			406		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 27-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #25 Douglas & Rocky Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.827
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 132 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	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 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	293	552	136	257	1040	239	241	1184	187	199	1758	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:	293	552	136	257	1040	239	241	1184	187	199	1758	182
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:	293	552	136	257	1040	239	241	1184	0	199	1758	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	293	552	136	257	1040	239	241	1184	0	199	1758	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:	293	552	136	257	1040	239	241	1184	0	199	1758	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:	0.10	0.13	0.09	0.09	0.24	0.16	0.08	0.27	0.00	0.07	0.40	0.00
Crit Volume:	147			347			121			586		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 28-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #26 Douglas & Santa Clara

Cycle (sec): 120 Critical Vol./Cap.(X): 0.701
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 76 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	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 1 0 1	1 1 0 0 1	1 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	89	64	80	129	96	166	133	1498	61	169	2047	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:	89	64	80	129	96	166	133	1498	61	169	2047	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	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:	89	64	80	129	96	166	133	1498	61	169	2047	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	64	80	129	96	166	133	1498	61	169	2047	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:	89	64	80	129	96	166	133	1498	61	169	2047	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	1.15	0.85	1.00	1.00	2.88	0.12	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	1663	1237	1450	1450	4180	170	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.04	0.06	0.08	0.08	0.11	0.09	0.36	0.36	0.12	0.47	0.00
Crit Volume:	89			113			133			682		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 29-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #27 Douglas & Sierra Gardens

Cycle (sec): 120 Critical Vol./Cap.(X): 0.686
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:	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 0 1! 0 0	1 0 1! 0 0	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	124	59	41	214	81	14	36	1531	127	51	2077	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:	124	59	41	214	81	14	36	1531	127	51	2077	121
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	124	59	41	214	81	14	36	1531	127	51	2077	121
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	124	59	41	214	81	14	36	1531	127	51	2077	121
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	124	59	41	214	81	14	36	1531	127	51	2077	121

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.11	0.53	0.36	1.39	0.52	0.09	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1605	764	531	2008	760	131	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.08	0.11	0.11	0.11	0.02	0.35	0.09	0.04	0.48	0.08
Crit Volume:	112			155			36				692	
Crit Moves:	****			****			****				****	

FR25 PM Thu Sep 19, 2013 08:52:46 Page 30-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #28 Douglas & Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.900
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:	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 2 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 1 0

Volume Module:

Base Vol:	426	430	263	243	877	570	361	1489	226	171	2003	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:	426	430	263	243	877	570	361	1489	226	171	2003	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:	426	430	263	243	877	570	361	1489	226	171	2003	86
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	426	430	263	243	877	570	361	1489	226	171	2003	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:	426	430	263	243	877	570	361	1489	226	171	2003	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:	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.84	0.16
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	5561	239

Capacity Analysis Module:

Vol/Sat:	0.15	0.15	0.18	0.08	0.20	0.39	0.12	0.34	0.16	0.06	0.36	0.36
Crit Volume:	213			570			0			522		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 31-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #29 Douglas & Target

Cycle (sec): 120 Critical Vol./Cap.(X): 0.689
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:	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 2 1 0	1 0 2 1 0

Volume Module:

Base Vol:	133	2	52	101	2	72	42	1497	136	75	2165	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:	133	2	52	101	2	72	42	1497	136	75	2165	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:	133	2	52	101	2	72	42	1497	136	75	2165	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	2	52	101	2	72	42	1497	136	75	2165	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:	133	2	52	101	2	72	42	1497	136	75	2165	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	0.04	0.96	1.00	0.03	0.97	1.00	2.75	0.25	1.00	2.99	0.01
Final Sat.:	1450	54	1396	1450	39	1411	1450	3988	362	1450	4346	4

Capacity Analysis Module:

Vol/Sat:	0.09	0.04	0.04	0.07	0.05	0.05	0.03	0.38	0.38	0.05	0.50	0.50
Crit Volume:	133			101			42			722		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 32-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #30 Douglas Bl & E Roseville Pw

Cycle (sec): 120 Critical Vol./Cap.(X): 0.739
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	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	3 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	156	691	41	710	879	90	137	1222	327	120	1608	832
Growth Adj:	1.00	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	691	41	710	879	90	137	1222	327	120	1608	832
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:	156	691	41	710	879	90	137	1222	327	120	1608	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	691	41	710	879	90	137	1222	327	120	1608	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:	156	691	41	710	879	90	137	1222	327	120	1608	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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.16	0.03	0.16	0.20	0.06	0.05	0.28	0.23	0.04	0.37	0.00
Crit Volume:	230			237			69			536		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 33-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #31 Douglas Bl & Folsom Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.628
Loss Time (sec): 12 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:	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	4	9	403	5	71	47	1075	0	11	1117	171
Growth Adj:	1.00	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	4	9	403	5	71	47	1075	0	11	1117	171
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	4	9	403	5	71	47	1075	0	11	1117	171
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	4	9	403	5	71	47	1075	0	11	1117	171
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	4	9	403	5	71	47	1075	0	11	1117	171

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.19	0.25	0.56	1.98	0.02	1.00	1.00	2.00	0.00	1.00	1.73	0.27
Final Sat.:	272	363	816	2864	36	1450	1450	2900	0	1450	2515	385

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.14	0.14	0.05	0.03	0.37	0.00	0.01	0.44	0.44
Crit Volume:	16	204		47			644					
Crit Moves:	****	****		****			****					

FR25 PM Thu Sep 19, 2013 08:52:46 Page 34-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #32 Douglas Bl & Harding Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.971
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:	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:	33	27	83	1066	28	280	289	1143	20	66	1077	510
Growth Adj:	1.00	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	27	83	1066	28	280	289	1143	20	66	1077	510
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:	33	27	0	1066	28	280	289	1143	20	66	1077	510
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	33	27	0	1066	28	280	289	1143	20	66	1077	510
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:	33	27	0	1066	28	280	289	1143	20	66	1077	510

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.95	0.05	1.00	1.00	1.97	0.03	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	2826	74	1450	1450	2850	50	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.00	0.38	0.38	0.19	0.20	0.40	0.40	0.05	0.37	0.35
Crit Volume:	33			547			289			539		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 35-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #33 Douglas Bl & Judah St

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:	Split Phase	Split Phase	Permitted	Permitted
Rights:	Include	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:	0 0 1! 0 0	1 0 1! 0 0	0 1 0 1 0	0 0 1 0 1

Volume Module:

Base Vol:	0	0	0	457	0	30	1	482	0	0	505	433
Growth Adj:	1.00	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	457	0	30	1	482	0	0	505	433
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:	0	0	0	457	0	30	1	482	0	0	505	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	457	0	30	1	482	0	0	505	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	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:	0	0	0	457	0	30	2	482	0	0	505	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	1.00	0.00	1.88	0.00	0.12	0.01	1.99	0.00	0.00	1.00	1.00
Final Sat.:	0	1500	0	2815	0	185	12	2988	0	0	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.16	0.00	0.16	0.08	0.16	0.00	0.00	0.34	0.00
Crit Volume:	0	244	0	1	505	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 36-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #34 Douglas Bl & Keehner Av

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:	Permitted	Permitted	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:	35	0	158	0	0	0	0	966	57	189	968	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	0	158	0	0	0	0	966	57	189	968	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:	35	0	158	0	0	0	0	966	57	189	968	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	35	0	158	0	0	0	0	966	57	189	968	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:	35	0	158	0	0	0	0	966	57	189	968	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	1.89	0.11	1.00	2.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	2833	167	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.11	0.00	0.00	0.00	0.00	0.34	0.34	0.13	0.32	0.00
Crit Volume:	35	0	512	189	0	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 37-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #35 Douglas Bl & Park 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:	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 0 0 1 0	0 0 1 1 0	1 0 2 0 0

Volume Module:

Base Vol:	13	0	10	67	7	14	0	959	20	18	910	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	0	10	67	7	14	0	959	20	18	910	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	0	10	67	7	14	0	959	20	18	910	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	0	10	67	7	14	0	959	20	18	910	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:	13	0	10	67	7	14	0	959	20	18	910	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:	0.57	0.00	0.43	1.00	0.33	0.67	0.00	1.96	0.04	1.00	2.00	0.00
Final Sat.:	820	0	630	1450	483	967	0	2841	59	1450	2900	0

Capacity Analysis Module:

Vol/Sat:	0.02	0.00	0.02	0.05	0.01	0.01	0.00	0.34	0.34	0.01	0.31	0.00
Crit Volume:	23	67	490	18								
Crit Moves:	***	***	***	***								

FR25 PM Thu Sep 19, 2013 08:52:46 Page 38-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #36 Douglas Bl & Sierra College Bl

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
Control:	Protected	Protected	Protected	Protected
Rights:	Ovl	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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	503	796	243	210	841	121	230	1687	579	318	1444	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:	503	796	243	210	841	121	230	1687	579	318	1444	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	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:	503	796	243	210	841	121	230	1687	579	318	1444	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	503	796	243	210	841	121	230	1687	579	318	1444	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:	503	796	243	210	841	121	230	1687	579	318	1444	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:	0.17	0.18	0.17	0.07	0.19	0.08	0.08	0.39	0.40	0.11	0.33	0.00
Crit Volume:	252	280	562	159								
Crit Moves:	***	***	***	***								

FR25 PM Thu Sep 19, 2013 08:52:46 Page 39-1

City of Roseville Fiddymont Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #37 Eureka & Lead Hill

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	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:	197	1424	75	140	1175	91	48	164	189	46	230	191
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	197	1424	75	140	1175	91	48	164	189	46	230	191
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:	197	1424	0	140	1175	0	48	164	0	46	230	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	197	1424	0	140	1175	0	48	164	0	46	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:	197	1424	0	140	1175	0	48	164	0	46	230	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:	0.14	0.33	0.00	0.10	0.27	0.00	0.03	0.06	0.00	0.03	0.08	0.00
Crit Volume:	475	140		48	115							
Crit Moves:	****	****		****	****							

FR25 PM Thu Sep 19, 2013 08:52:46 Page 40-1

City of Roseville Fiddymont Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #38 Eureka & N. Sunrise

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
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 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 4 0 1

Volume Module:

Base Vol:	545	539	223	186	554	209	330	1834	468	177	2324	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:	545	539	223	186	554	209	330	1834	468	177	2324	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:	545	539	0	186	554	0	330	1834	0	177	2324	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	545	539	0	186	554	0	330	1834	0	177	2324	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:	545	539	0	186	554	0	330	1834	0	177	2324	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	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	4.00	1.00
Final Sat.:	4350	4350	1450	2900	4350	1450	2900	4350	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.12	0.00	0.06	0.13	0.00	0.11	0.42	0.00	0.06	0.40	0.00
Crit Volume:	182	185		165	581							
Crit Moves:	****	****		****	****							

FR25 PM Thu Sep 19, 2013 08:52:46 Page 41-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #39 Eureka & Rocky Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.740
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: 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 2 0 2 0 1 1 0 2 0 1

-----|-----|-----|-----|
Volume Module:
Base Vol: 67 1623 53 173 1389 420 392 360 32 126 326 134
Growth Adj: 1.00 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 1623 53 173 1389 420 392 360 32 126 326 134
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 1623 0 173 1389 0 392 360 0 126 326 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 67 1623 0 173 1389 0 392 360 0 126 326 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
FinalVolume: 67 1623 0 173 1389 0 392 360 0 126 326 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: 1.00 3.00 1.00 1.00 3.00 1.00 2.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1450 4350 1450 1450 4350 1450 2900 2900 1450 1450 2900 1450

-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat: 0.05 0.37 0.00 0.12 0.32 0.00 0.14 0.12 0.00 0.09 0.11 0.00
Crit Volume: 541 173 196 163
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 42-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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): 0.443
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 Ovl
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 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 2 0 1

-----|-----|-----|-----|
Volume Module:
Base Vol: 19 0 40 9 2 2 29 1068 20 48 694 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: 19 0 40 9 2 2 29 1068 20 48 694 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: 19 0 40 9 2 2 29 1068 20 48 694 27
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 19 0 40 9 2 2 29 1068 20 48 694 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: 19 0 40 9 2 2 29 1068 20 48 694 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 0.00 1.00 0.82 0.18 1.00 1.00 1.96 0.04 1.00 2.00 1.00
Final Sat.: 1450 0 1450 1186 264 1450 1450 2847 53 1450 2900 1450

-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat: 0.01 0.00 0.03 0.01 0.01 0.00 0.02 0.38 0.38 0.03 0.24 0.02
Crit Volume: 40 11 544 48
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 43-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #41 Eureka Rd & Deer Valley Apts

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	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	1 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	5	932	34	79	1093	11	11	1	3	11	1	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:	5	932	34	79	1093	11	11	1	3	11	1	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:	5	932	34	79	1093	11	11	1	3	11	1	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	932	34	79	1093	11	11	1	3	11	1	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:	5	932	34	79	1093	11	11	1	3	11	1	35

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	1.98	0.02	1.00	0.25	0.75	0.92	0.08	1.00
Final Sat.:	1450	2798	102	1450	2871	29	1450	363	1088	1329	121	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.33	0.33	0.05	0.38	0.38	0.01	0.00	0.00	0.01	0.01	0.02
Crit Volume:	483	79	11	12	478	478	478	478	478	478	478	478
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 44-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #42 Fairway & Central Park/Lowes

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

Volume Module:

Base Vol:	209	25	56	27	11	70	150	866	128	190	956	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:	209	25	56	27	11	70	150	866	128	190	956	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:	209	25	56	27	11	70	150	866	128	190	956	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	209	25	56	27	11	70	150	866	128	190	956	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:	209	25	56	27	11	70	150	866	128	190	956	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:	1.79	0.21	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2590	310	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.08	0.04	0.02	0.01	0.05	0.10	0.30	0.09	0.13	0.33	0.02
Crit Volume:	117	27	150	478	478	478	478	478	478	478	478	478
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 45-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #43 Fairway & Cortina Circle

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:	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	0	1	0	1	1	0	0	1	0

Volume Module:

Base Vol:	86	606	58	26	857	92	146	2	122	15	1	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:	86	606	58	26	857	92	146	2	122	15	1	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:	86	606	58	26	857	92	146	2	122	15	1	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	606	58	26	857	92	146	2	122	15	1	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	86	606	58	26	857	92	146	2	122	15	1	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	2.00	1.00	1.00	2.00	1.00	1.97	0.03	1.00	1.00	0.03	0.97
Final Sat.:	1450	2900	1450	1450	2900	1450	2861	39	1450	1450	48	1402

Capacity Analysis Module:

Vol/Sat:	0.06	0.21	0.04	0.02	0.30	0.06	0.05	0.05	0.08	0.01	0.02	0.02
Crit Volume:	86			429			122		30			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:46 Page 46-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #44 Fairway & Five Star

Cycle (sec): 120 Critical Vol./Cap.(X): 0.446
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:	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:	1	1	0	0	1	0	1	0	2	0	1	0

Volume Module:

Base Vol:	490	10	24	76	11	17	19	556	325	31	563	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:	490	10	24	76	11	17	19	556	325	31	563	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:	490	10	24	76	11	17	19	556	325	31	563	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	490	10	24	76	11	17	19	556	325	31	563	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:	490	10	24	76	11	17	19	556	325	31	563	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:	1.96	0.04	1.00	0.87	0.13	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2842	58	1450	1267	183	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.17	0.02	0.06	0.06	0.01	0.01	0.19	0.22	0.02	0.19	0.04
Crit Volume:	250			87			278		31			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:46 Page 47-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #45 Fairway & Home Depot

Cycle (sec): 120 Critical Vol./Cap.(X): 0.520
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:	Split Phase	Split Phase	Protected	Protected
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:	0 1 0 0 1	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	81	2	44	6	2	81	67	864	69	51	1047	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:	81	2	44	6	2	81	67	864	69	51	1047	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:	81	2	44	6	2	81	67	864	69	51	1047	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	2	44	6	2	81	67	864	69	51	1047	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:	81	2	44	6	2	81	67	864	69	51	1047	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:	0.98	0.02	1.00	0.75	0.25	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1415	35	1450	1088	363	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.03	0.01	0.01	0.06	0.05	0.30	0.05	0.04	0.36	0.00
Crit Volume:	83			81	67					524		
Crit Moves:	****			****	****					****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 48-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #46 Fairway & Target/Rosehall

Cycle (sec): 120 Critical Vol./Cap.(X): 0.441
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:	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 1 0 0 1	0 0 1 0 0	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	115	2	54	29	2	7	35	931	66	78	690	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:	115	2	54	29	2	7	35	931	66	78	690	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:	115	2	54	29	2	7	35	931	66	78	690	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	115	2	54	29	2	7	35	931	66	78	690	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:	115	2	54	29	2	7	35	931	66	78	690	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:	1.97	0.03	1.00	0.77	0.05	0.18	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	2850	50	1450	1107	76	267	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.32	0.05	0.05	0.24	0.01
Crit Volume:	59			38	466	78						
Crit Moves:	****			****	****	****						

FR25 PM Thu Sep 19, 2013 08:52:46 Page 49-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #47 Fiddymment & Del Webb/Village Green

Cycle (sec): 120 Critical Vol./Cap.(X): 0.671
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
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:	1	0	2	0	1	1	1	0	1	1	0	1

Volume Module:

Base Vol:	17	1336	77	49	1036	291	130	36	7	52	126	127
Growth Adj:	1.00	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	1336	77	49	1036	291	130	36	7	52	126	127
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:	17	1336	77	49	1036	0	130	36	7	52	126	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	1336	77	49	1036	0	130	36	7	52	126	127
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:	17	1336	77	49	1036	0	130	36	7	52	126	127

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.01	0.46	0.05	0.03	0.36	0.00	0.09	0.02	0.00	0.04	0.09	0.09
Crit Volume:	668		49	130		126						
Crit Moves:	****		****	****		****						

FR25 PM Thu Sep 19, 2013 08:52:46 Page 50-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #48 Fiddymment & Hayden Pkwy North

Cycle (sec): 100 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			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	1	0	1

Volume Module:

Base Vol:	100	922	127	63	962	176	25	10	50	152	14	31
Growth Adj:	1.00	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	922	127	63	962	176	25	10	50	152	14	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	922	127	63	962	176	25	10	50	152	14	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	922	127	63	962	176	25	10	50	152	14	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	100	922	127	63	962	176	25	10	50	152	14	31

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.07	0.32	0.09	0.04	0.33	0.12	0.02	0.01	0.03	0.10	0.01	0.02
Crit Volume:	100		481			10			152			
Crit Moves:	****		****			****			****			

FR25 PM Thu Sep 19, 2013 08:52:46 Page 51-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #49 Fiddymment & Hayden Pkwy South

Cycle (sec): 100 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			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:	1	0	2	0	0	2	0	0	1	0	0	0

Volume Module:

Base Vol:	146	1491	0	0	1316	117	66	0	79	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:	146	1491	0	0	1316	117	66	0	79	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:	146	1491	0	0	1316	117	66	0	79	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	146	1491	0	0	1316	117	66	0	79	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:	146	1491	0	0	1316	117	66	0	79	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	0.50	0.00	0.00	0.44	0.08	0.04	0.00	0.05	0.00	0.00	0.00
Crit Volume:	146			658			79	0				
Crit Moves:	****			****			****					

FR25 PM Thu Sep 19, 2013 08:52:46 Page 52-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #50 Foothills & Baseline/Main

Cycle (sec): 120 Critical Vol./Cap.(X): 0.866
Loss Time (sec): 12 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:	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	1	0	4	0	1	2	0

Volume Module:

Base Vol:	965	1356	66	120	1654	245	314	530	607	64	609	88
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	965	1356	66	120	1654	245	314	530	607	64	609	88
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	965	1356	66	120	1654	245	314	530	607	64	609	88
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	965	1356	66	120	1654	245	314	530	607	64	609	88
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	965	1356	66	120	1654	245	314	530	607	64	609	88

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	1.00	4.00	1.00	2.00	2.00	1.00	1.00	3.00	1.00
Final Sat.:	2900	4350	1450	1450	5800	1450	2900	2900	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.33	0.31	0.05	0.08	0.29	0.17	0.11	0.18	0.42	0.04	0.14	0.06
Crit Volume:	483			414			157			203		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 53-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #51 Foothills & Misty Wood/Nec

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:	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:	19	646	401	23	1989	55	18	8	51	180	3	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:	19	646	401	23	1989	55	18	8	51	180	3	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:	19	646	401	23	1989	55	18	8	51	180	3	27
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	646	401	23	1989	55	18	8	51	180	3	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:	19	646	401	23	1989	55	18	8	51	180	3	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	2.00	1.00	1.00	2.92	0.08	0.69	0.31	1.00	1.97	0.03	1.00
Final Sat.:	1450	2900	1450	1450	4233	117	1004	446	1450	2852	48	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.22	0.28	0.02	0.47	0.47	0.02	0.02	0.04	0.06	0.06	0.02
Crit Volume:	0			681			51		92			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:46 Page 54-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #52 Foothills Bl & Albertsons 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:	Protected			Protected			Split Phase			Split Phase		
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:	1	0	3	0	1	0	1	0	0	1	0	1

Volume Module:

Base Vol:	104	1231	65	34	1197	165	514	6	321	188	6	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:	104	1231	65	34	1197	165	514	6	321	188	6	94
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:	104	1231	65	34	1197	165	514	6	0	188	6	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	104	1231	65	34	1197	165	514	6	0	188	6	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:	104	1231	65	34	1197	165	514	6	0	188	6	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	1.98	0.02	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	2867	33	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.28	0.04	0.02	0.28	0.11	0.18	0.18	0.00	0.13	0.00	0.00
Crit Volume:	104			399			260			188		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 55-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #53 Foothills Bl & Atkinson Rd

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	Permitted	Permitted
Rights:	Ovl	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:	0 0 3 0 1	1 0 3 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0 2502 61	0 2143 0	0 0 0	21 0 0
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 2502 61	0 2143 0	0 0 0	21 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 0.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
PHF Volume:	0 2502 61	0 2143 0	0 0 0	21 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 2502 61	0 2143 0	0 0 0	21 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 0.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 0.00	1.00 1.00 0.00	1.00 1.00 0.00
FinalVolume:	0 2502 61	0 2143 0	0 0 0	21 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:	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 4500 1500	1500 4500 0	0 0 0	1500 0 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.56 0.04	0.00 0.48 0.00	0.00 0.00 0.00	0.01 0.00 0.00
Crit Volume:	834	0	0	21
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 56-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #54 Foothills Bl & Roseville Pkwy/HP Central

Cycle (sec): 120 Critical Vol./Cap.(X): 0.855
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 157 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	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	3 0 1 0 1

Volume Module:

Base Vol:	27 414 451	588 1259 3	51 410 215	630 141 865
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	27 414 451	588 1259 3	51 410 215	630 141 865
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:	27 414 451	588 1259 0	51 410 0	630 141 865
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	27 414 451	588 1259 0	51 410 0	630 141 865
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:	27 414 451	588 1259 0	51 410 0	630 141 865

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.01 0.14 0.31	0.20 0.43 0.00	0.02 0.14 0.00	0.14 0.10 0.60
Crit Volume:	13	630	25	865
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 57-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #55 Foothills Bl & HP South

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:	Protected			Protected			Permitted			Permitted		
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	0	1	0	1	1	0	0	1	1

Volume Module:

Base Vol:	4	795	38	66	2063	0	15	2	1	143	2	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:	4	795	38	66	2063	0	15	2	1	143	2	182
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	795	38	66	2063	0	15	2	1	143	2	182
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	795	38	66	2063	0	15	2	1	143	2	182
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	4	795	38	66	2063	0	15	2	1	143	2	182

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	3.00	0.00	1.76	0.24	1.00	1.97	0.03	1.00
Final Sat.:	1500	3000	1500	1500	4500	0	2647	353	1500	2959	41	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.27	0.03	0.04	0.46	0.00	0.01	0.01	0.00	0.05	0.05	0.12
Crit Volume:	4			688			9			182		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 58-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #56 Foothills Bl & Junction Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.845
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 147 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			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:	257	1395	104	359	1624	453	235	377	120	358	1314	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:	257	1395	104	359	1624	453	235	377	120	358	1314	146
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:	257	1395	0	359	1624	0	235	377	120	358	1314	146
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	257	1395	0	359	1624	0	235	377	120	358	1314	146
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:	257	1395	0	359	1624	0	235	377	120	358	1314	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	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.09	0.32	0.00	0.12	0.37	0.00	0.08	0.13	0.08	0.12	0.30	0.10
Crit Volume:	129			541			118			438		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 59-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #57 Foothills Bl & Mcanally Dr

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			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:	293	1460	94	15	2224	194	96	19	132	67	18	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:	293	1460	94	15	2224	194	96	19	132	67	18	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:	293	1460	94	15	2224	194	96	19	132	67	18	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	293	1460	94	15	2224	194	96	19	132	67	18	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:	293	1460	94	15	2224	194	96	19	132	67	18	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	2.82	0.18	1.00	2.76	0.24	0.83	0.17	1.00	0.79	0.21	1.00
Final Sat.:	1450	4087	263	1450	4001	349	1210	240	1450	1143	307	1450

Capacity Analysis Module:

Vol/Sat:	0.29	0.36	0.36	0.01	0.56	0.56	0.08	0.08	0.09	0.06	0.06	0.02
Crit Volume:	293			806			115			85		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 60-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #58 Foothills Bl & Pleasant Grove Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.994
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			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	4	0	1	

Volume Module:

Base Vol:	340	651	702	170	1635	514	418	1397	109	765	1960	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:	340	651	702	170	1635	514	418	1397	109	765	1960	99
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:	340	651	0	170	1635	0	418	1397	0	765	1960	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	340	651	0	170	1635	0	418	1397	0	765	1960	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:	340	651	0	170	1635	0	418	1397	0	765	1960	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	4.00	1.00	2.00	3.00	1.00	3.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	5800	1450	2900	4350	1450	4350	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.15	0.00	0.06	0.28	0.00	0.14	0.32	0.00	0.18	0.45	0.00
Crit Volume:	170			409			209			653		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 61-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #59 Foothills Blvd & Rand/Pilgrims

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			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	0	0	1	0

Volume Module:

Base Vol:	45	1878	42	30	2065	70	33	0	23	23	0	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:	45	1878	42	30	2065	70	33	0	23	23	0	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:	45	1878	42	30	2065	70	33	0	23	23	0	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	1878	42	30	2065	70	33	0	23	23	0	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:	45	1878	42	30	2065	70	33	0	23	23	0	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:	1.00	2.93	0.07	1.00	2.90	0.10	0.59	0.00	0.41	0.50	0.00	0.50
Final Sat.:	1450	4255	95	1450	4207	143	854	0	596	725	0	725

Capacity Analysis Module:

Vol/Sat:	0.03	0.44	0.44	0.02	0.49	0.49	0.04	0.00	0.04	0.03	0.00	0.03
Crit Volume:	45			712			56					46
Crit Moves:	****			****			****					****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 62-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #60 Foothills Bl & Vineyard Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.836
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 139 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			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	1	0

Volume Module:

Base Vol:	386	2365	65	80	2150	94	96	77	145	185	350	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:	386	2365	65	80	2150	94	96	77	145	185	350	123
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:	386	2365	0	80	2150	94	96	77	145	185	350	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	386	2365	0	80	2150	94	96	77	145	185	350	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:	386	2365	0	80	2150	94	96	77	145	185	350	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	2.87	0.13	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4168	182	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.54	0.00	0.03	0.52	0.52	0.07	0.03	0.10	0.06	0.12	0.00
Crit Volume:	193			748			96					175
Crit Moves:	****			****			****					****

FR25 PM Thu Sep 19, 2013 08:52:46 Page 63-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #61 Galleria & Antelope Creek

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	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:	75	1877	151	288	1865	154	253	55	116	297	68	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:	75	1877	151	288	1865	154	253	55	116	297	68	244
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:	75	1877	0	288	1865	154	253	55	0	297	68	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	1877	0	288	1865	154	253	55	0	297	68	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:	75	1877	0	288	1865	154	253	55	0	297	68	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:	0.03	0.43	0.00	0.10	0.43	0.11	0.06	0.04	0.00	0.07	0.05	0.00
Crit Volume:	626	144		84			99					
Crit Moves:	****	****		****			****					

FR25 PM Thu Sep 19, 2013 08:52:46 Page 64-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #62 Galleria & Berry

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	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 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	179	1633	1	15	1913	278	89	0	145	2	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:	179	1633	1	15	1913	278	89	0	145	2	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:	179	1633	1	15	1913	278	89	0	145	2	1	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	179	1633	1	15	1913	278	89	0	145	2	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:	179	1633	1	15	1913	278	89	0	145	2	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	1.99	0.01	1.00	2.00	1.00	1.00	0.00	1.00	0.67	0.33	1.00
Final Sat.:	1450	2898	2	1450	2900	1450	1450	0	1450	967	483	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.56	0.56	0.01	0.66	0.19	0.06	0.00	0.10	0.00	0.00	0.00
Crit Volume:	179	957	89									
Crit Moves:	****	****	****									

FR25 PM Thu Sep 19, 2013 08:52:46 Page 65-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #63 Galleria & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 1.026
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	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 3 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	602	931	31	1092	946	332	614	1659	858	232	2028	639
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	602	931	31	1092	946	332	614	1659	858	232	2028	639
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:	602	931	0	1092	946	0	614	1659	0	232	2028	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	602	931	0	1092	946	0	614	1659	0	232	2028	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:	602	931	0	1092	946	0	614	1659	0	232	2028	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	3.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2900	4350	1450	4350	4350	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.21	0.21	0.00	0.25	0.22	0.00	0.21	0.29	0.00	0.08	0.35	0.00
Crit Volume:	310	364		307			507					
Crit Moves:	****	****		****			****					

FR25 PM Thu Sep 19, 2013 08:52:46 Page 66-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #64 Harding & Wills

Cycle (sec): 120 Critical Vol./Cap.(X): 0.799
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 114 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	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 1 1 0	1 0 2 0 1	2 0 0 1 0	1 0 1 0 1

Volume Module:

Base Vol:	147	1190	4	11	1586	437	549	3	158	13	18	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:	147	1190	4	11	1586	437	549	3	158	13	18	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:	147	1190	4	11	1586	437	549	3	158	13	18	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	147	1190	4	11	1586	437	549	3	158	13	18	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:	147	1190	4	11	1586	437	549	3	158	13	18	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:	2.00	1.99	0.01	1.00	2.00	1.00	2.00	0.02	0.98	1.00	1.00	1.00
Final Sat.:	2900	2890	10	1450	2900	1450	2900	27	1423	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.41	0.41	0.01	0.55	0.30	0.19	0.11	0.11	0.01	0.01	0.01
Crit Volume:	74				793		275			18		
Crit Moves:	****				****		****			****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 67-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #65 Harding Bl & Estates Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.718
Loss Time (sec): 12 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			Split Phase			Split Phase		
Rights:	Include			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	1	1	0	1	1	0	1	0	1	0

Volume Module:

Base Vol:	69	835	0	44	1227	302	226	15	61	18	7	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:	69	835	0	44	1227	302	226	15	61	18	7	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:	69	835	0	44	1227	302	226	15	61	18	7	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	835	0	44	1227	302	226	15	61	18	7	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:	69	835	0	44	1227	302	226	15	61	18	7	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	2.00	0.00	1.00	1.60	0.40	1.50	0.10	0.40	0.72	0.28	1.00
Final Sat.:	1450	2900	0	1450	2327	573	2170	144	586	1044	406	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.29	0.00	0.03	0.53	0.53	0.10	0.10	0.10	0.02	0.02	0.04
Crit Volume:	69			765	151					57		
Crit Moves:	****			****	****					****		

FR25 PM Thu Sep 19, 2013 08:52:46 Page 68-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #66 Harding Bl & Lead Hill Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.791
Loss Time (sec): 9 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			Permitted		
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	0	2	0

Volume Module:

Base Vol:	0	695	416	874	886	0	0	0	0	668	0	614
Growth Adj:	1.00	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	695	416	874	886	0	0	0	0	668	0	614
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	695	416	874	886	0	0	0	0	668	0	614
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	695	416	874	886	0	0	0	0	668	0	614
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	695	416	874	886	0	0	0	0	668	0	614

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	0.23	0.28	0.29	0.30	0.00	0.00	0.00	0.00	0.22	0.00	0.41
Crit Volume:		416	437				0			334		
Crit Moves:		****	****							****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 69-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #67 Harding Bl & Roseville Square

Cycle (sec): 120 Critical Vol./Cap.(X): 0.624
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			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:	1	0	1	1	0	1	0	1	0	0	1	0

Volume Module:

Base Vol:	89	731	38	25	1107	106	122	16	78	102	7	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:	89	731	38	25	1107	106	122	16	78	102	7	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:	89	731	38	25	1107	106	122	16	78	102	7	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	731	38	25	1107	106	122	16	78	102	7	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:	89	731	38	25	1107	106	122	16	78	102	7	45

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	1.90	0.10	1.00	1.83	0.17	0.88	0.12	1.00	0.94	0.06	1.00
Final Sat.:	1500	2852	148	1500	2738	262	1326	174	1500	1404	96	1500

Capacity Analysis Module:

Vol/Sat:	0.06	0.26	0.26	0.02	0.40	0.40	0.09	0.09	0.05	0.07	0.07	0.03
Crit Volume:	89			607			138			102		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 70-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #68 Junction & Stonecrest/Magenta

Cycle (sec): 120 Critical Vol./Cap.(X): 0.524
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:	Permitted			Permitted			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	2	1	0	2

Volume Module:

Base Vol:	5	8	8	194	9	58	24	459	1	0	1093	555
Growth Adj:	1.00	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	8	8	194	9	58	24	459	1	0	1093	555
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	8	8	194	9	58	24	459	1	0	1093	555
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	8	8	194	9	58	24	459	1	0	1093	555
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	8	8	194	9	58	24	459	1	0	1093	555

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:	0.38	0.62	1.00	0.96	0.04	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	577	923	1500	1433	67	1500	1500	3000	1500	1500	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.14	0.14	0.04	0.02	0.15	0.00	0.00	0.36	0.37
Crit Volume:	13			194			24			555		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 71-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #69 Junction Bl & Americana Dr

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:	Permitted	Permitted	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 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	37	0	73	0	0	0	0	621	27	218	1709	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	73	0	0	0	0	621	27	218	1709	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	73	0	0	0	0	621	27	218	1709	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	0	73	0	0	0	0	621	27	218	1709	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	73	0	0	0	0	621	27	218	1709	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	0.05	0.00	0.00	0.00	0.00	0.21	0.02	0.15	0.57	0.00
Crit Volume:	37			0				0			855	
Crit Moves:	****							****			****	

FR25 PM Thu Sep 19, 2013 08:52:47 Page 72-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #70 Junction Bl & Baseline Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.863
Loss Time (sec): 9 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:	Permitted	Permitted	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:	0 0 0 0 0	1 0 0 0 2	2 0 2 0 0	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	53	0	1119	545	1361	0	0	1359	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:	0	0	0	53	0	1119	545	1361	0	0	1359	97
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	53	0	1119	545	1361	0	0	1359	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	53	0	1119	545	1361	0	0	1359	97
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	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	53	0	1231	545	1361	0	0	1359	97

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

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.41	0.18	0.45	0.00	0.00	0.45	0.06
Crit Volume:	0					615	0				680	
Crit Moves:						****	****				****	

FR25 PM Thu Sep 19, 2013 08:52:47 Page 73-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #71 Junction Bl & Country Club Dr

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:	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:	222	192	27	41	106	57	34	440	84	194	1278	48
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	222	192	27	41	106	57	34	440	84	194	1278	48
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	222	192	27	41	106	57	34	440	84	194	1278	48
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	222	192	27	41	106	57	34	440	84	194	1278	48
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	222	192	27	41	106	57	34	440	84	194	1278	48

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.65	0.35	1.00	1.68	0.32	1.00	1.93	0.07
Final Sat.:	1450	1271	179	1450	943	507	1450	2435	465	1450	2795	105

Capacity Analysis Module:

Vol/Sat:	0.15	0.15	0.15	0.03	0.11	0.11	0.02	0.18	0.18	0.13	0.46	0.46
Crit Volume:	222			163	34		663					
Crit Moves:	****			****	****		****					

FR25 PM Thu Sep 19, 2013 08:52:47 Page 74-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #72 Junction Bl & Park Regency Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.619
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:	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	1	1	0	1

Volume Module:

Base Vol:	6	5	43	43	4	23	37	612	8	124	1626	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:	6	5	43	43	4	23	37	612	8	124	1626	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:	6	5	43	43	4	23	37	612	8	124	1626	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	5	43	43	4	23	37	612	8	124	1626	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:	6	5	43	43	4	23	37	612	8	124	1626	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:	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:	0.00	0.00	0.03	0.03	0.00	0.02	0.03	0.21	0.01	0.09	0.56	0.04
Crit Volume:	5		43			37				813		
Crit Moves:	****		****			****				****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 75-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #73 Junction Bl & Porter Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.689
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: 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 0 1 0 1 0 1 0 1 0 1 0 1 0

Volume Module:
Base Vol: 18 18 124 11 9 23 37 636 103 163 1796 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: 18 18 124 11 9 23 37 636 103 163 1796 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: 18 18 124 11 9 23 37 636 103 163 1796 15
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 18 18 124 11 9 23 37 636 103 163 1796 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: 18 18 124 11 9 23 37 636 103 163 1796 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: 0.50 0.50 1.00 0.55 0.45 1.00 1.00 1.72 0.28 1.00 1.98 0.02
Final Sat.: 725 725 1450 798 653 1450 1450 2496 404 1450 2876 24

Capacity Analysis Module:
Vol/Sat: 0.02 0.02 0.09 0.01 0.01 0.02 0.03 0.25 0.25 0.11 0.62 0.62
Crit Volume: 36 20 37 906
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:47 Page 76-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #74 Junction Bl & Revere Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.645
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: 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 0 0 0 0 0 1! 0 0 1 0 2 0 0 0 0 0 1 1 0

Volume Module:
Base Vol: 0 0 0 96 0 10 10 550 0 0 1627 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: 0 0 0 96 0 10 10 550 0 0 1627 75
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 96 0 10 10 550 0 0 1627 75
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 96 0 10 10 550 0 0 1627 75
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 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 96 0 10 10 550 0 0 1627 75

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 0.91 0.00 0.09 1.00 2.00 0.00 0.00 1.91 0.09
Final Sat.: 0 0 0 1358 0 142 1500 3000 0 0 2868 132

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.07 0.00 0.07 0.01 0.18 0.00 0.00 0.57 0.57
Crit Volume: 0 106 10 851
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:47 Page 77-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #75 Junction Bl & Washington Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.982
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:	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:	1051	540	1	3	1004	892	334	2	391	3	4	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:	1051	540	1	3	1004	892	334	2	391	3	4	3
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:	1051	540	1	3	1004	892	334	2	0	3	4	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1051	540	1	3	1004	892	334	2	0	3	4	3
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:	1051	540	1	3	1004	892	334	2	0	3	4	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:	2.00	1.99	0.01	1.00	2.00	1.00	1.99	0.01	1.00	1.00	0.57	0.43
Final Sat.:	2900	2895	5	1450	2900	1450	2883	17	1450	1450	829	621

Capacity Analysis Module:

Vol/Sat:	0.36	0.19	0.19	0.00	0.35	0.62	0.12	0.12	0.00	0.00	0.00	0.00
Crit Volume:	526					892		0				7
Crit Moves:	****					****		****				****

FR25 PM Thu Sep 19, 2013 08:52:47 Page 78-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #76 Junction Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.671
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
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

Volume Module:

Base Vol:	47	223	78	173	314	803	441	314	29	195	1110	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:	47	223	78	173	314	803	441	314	29	195	1110	194
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:	47	223	0	173	314	0	441	314	0	195	1110	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	223	0	173	314	0	441	314	0	195	1110	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:	47	223	0	173	314	0	441	314	0	195	1110	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	0.06	0.11	0.00	0.15	0.11	0.00	0.07	0.38	0.00
Crit Volume:	112			87			221				555	
Crit Moves:	****			****			****				****	

FR25 PM Thu Sep 19, 2013 08:52:47 Page 79-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #77 Lead Hill Bl & N Sunrise Av

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	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	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	486	604	120	149	791	174	215	607	607	200	647	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:	486	604	120	149	791	174	215	607	607	200	647	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	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	486	604	120	149	791	174	215	607	607	200	647	123
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	486	604	120	149	791	174	215	607	607	200	647	123
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	486	604	120	149	791	174	215	607	607	200	647	123

Saturation Flow Module:

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

Capacity Analysis Module:

Vol/Sat:	0.17	0.14	0.08	0.05	0.18	0.12	0.15	0.21	0.42	0.14	0.22	0.08
Crit Volume:	0			264			607		200			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:47 Page 80-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #78 Lead Hill Bl & Rocky Ridge Dr

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

Volume Module:

Base Vol:	344	520	129	14	699	104	78	290	443	198	441	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:	344	520	129	14	699	104	78	290	443	198	441	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:	344	520	0	14	699	104	78	290	0	198	441	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	344	520	0	14	699	104	78	290	0	198	441	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:	344	520	0	14	699	104	78	290	0	198	441	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	2.61	0.39	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	2900	1450	1450	3787	563	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.24	0.18	0.00	0.01	0.18	0.18	0.05	0.10	0.00	0.14	0.15	0.00
Crit Volume:	344			268			145		198			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:47 Page 81-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #79 Lead Hill Bl & Wal-Mart

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		
Control:	Permitted			Permitted			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	0	0

Volume Module:

Base Vol:	106	0	55	0	0	0	0	734	123	133	828	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	106	0	55	0	0	0	0	734	123	133	828	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	106	0	55	0	0	0	0	734	123	133	828	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	106	0	55	0	0	0	0	734	123	133	828	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:	106	0	55	0	0	0	0	734	123	133	828	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:	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.24	0.08	0.09	0.28	0.00
Crit Volume:	106			0				367		133		
Crit Moves:	****							****		****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 82-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #80 N Sunrise Av & Automall Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.524
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			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	1	1	0	3	0	1	0	1

Volume Module:

Base Vol:	88	666	65	226	752	121	223	14	98	152	20	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:	88	666	65	226	752	121	223	14	98	152	20	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:	88	666	65	226	752	121	223	14	98	152	20	375
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	666	65	226	752	121	223	14	98	152	20	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:	88	666	65	226	752	121	223	14	98	152	20	375

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.73	0.27	1.00	3.00	1.00	1.88	0.12	1.00	0.88	0.12	1.00
Final Sat.:	1450	3963	387	1450	4350	1450	2729	171	1450	1281	169	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.17	0.17	0.16	0.17	0.08	0.08	0.08	0.07	0.12	0.12	0.26
Crit Volume:	244			226			119			172		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 83-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #81 N Sunrise Av & Stone Point Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.585
Loss Time (sec): 0 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:	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 3 0 1	1 0 3 0 0	0 0 0 0 0	2 0 0 0 1

Volume Module:

Base Vol:	0	727	78	380	826	0	0	0	0	49	0	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:	0	727	78	380	826	0	0	0	0	49	0	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	1.00
PHF Adj:	1.00	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	727	78	380	826	0	0	0	0	49	0	255
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	727	78	380	826	0	0	0	0	49	0	255
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	727	78	380	826	0	0	0	0	49	0	255

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	0.05	0.25	0.18	0.00	0.00	0.00	0.00	0.02	0.00	0.17
Crit Volume:	242	380				0				255		
Crit Moves:	****	****								****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 84-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #82 N. Sunrise & Sierra Gardens

Cycle (sec): 120 Critical Vol./Cap.(X): 0.627
Loss Time (sec): 12 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	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 3 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	81	676	73	248	1238	75	98	22	74	152	14	397
Growth Adj:	1.00	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	676	73	248	1238	75	98	22	74	152	14	397
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	676	73	248	1238	75	98	22	74	152	14	397
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	676	73	248	1238	75	98	22	74	152	14	397
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	81	676	73	248	1238	75	98	22	74	152	14	397

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.81	0.19	1.00	3.00	1.00	0.82	0.18	1.00	0.92	0.08	1.00
Final Sat.:	1450	2617	283	1450	4350	1450	1184	266	1450	1328	122	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.26	0.26	0.17	0.28	0.05	0.08	0.08	0.05	0.11	0.11	0.27
Crit Volume:	375	248				120				166		
Crit Moves:	****	****				****				****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 85-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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): 0.192
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	0 0 1 0 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	2	1	5	5	1	8	3	479	14	10	229	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:	2	1	5	5	1	8	3	479	14	10	229	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:	2	1	5	5	1	8	3	479	14	10	229	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	1	5	5	1	8	3	479	14	10	229	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:	2	1	5	5	1	8	3	479	14	10	229	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:	0.25	0.12	0.63	0.36	0.07	0.57	1.00	1.94	0.06	1.00	1.88	0.12
Final Sat.:	363	181	906	518	104	829	1450	2818	82	1450	2722	178

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.17	0.17	0.01	0.08	0.08
Crit Volume:	8			14			247			10		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 86-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #84 PFE & Hilltop

Cycle (sec): 100 Critical Vol./Cap.(X): 0.444
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:	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 1 0	1 0 1 1 0

Volume Module:

Base Vol:	5	0	13	127	0	224	83	347	2	5	603	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:	5	0	13	127	0	224	83	347	2	5	603	62
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	0	13	127	0	224	83	347	2	5	603	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	0	13	127	0	224	83	347	2	5	603	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	0	13	127	0	224	83	347	2	5	603	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:	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.99	0.01	1.00	1.81	0.19
Final Sat.:	1450	0	1450	1450	0	1450	1450	2883	17	1450	2630	270

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.09	0.00	0.15	0.06	0.12	0.12	0.00	0.23	0.23
Crit Volume:	5			224			83			333		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 87-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #85 Pleasant Grove & Fairway

Cycle (sec): 120 Critical Vol./Cap.(X): 0.971
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	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:	635	1638	695	156	1039	158	199	338	633	857	306	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:	635	1638	695	156	1039	158	199	338	633	857	306	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:	635	1638	695	156	1039	158	199	338	633	857	306	153
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	635	1638	695	156	1039	158	199	338	633	857	306	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:	635	1638	695	156	1039	158	199	338	633	857	306	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:	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:	0.22	0.38	0.48	0.05	0.24	0.11	0.07	0.12	0.44	0.30	0.11	0.11
Crit Volume:	0			346			633		429			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:47 Page 88-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #86 Pleasant Grove & Fiddymment

Cycle (sec): 120 Critical Vol./Cap.(X): 1.041
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	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	3 0 1 0 1

Volume Module:

Base Vol:	541	1332	910	23	1016	36	59	511	348	1173	871	31
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	541	1332	910	23	1016	36	59	511	348	1173	871	31
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:	541	1332	0	23	1016	0	59	511	0	1173	871	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	541	1332	0	23	1016	0	59	511	0	1173	871	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:	541	1332	0	23	1016	0	59	511	0	1173	871	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	3.00	1.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	2900	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.31	0.00	0.01	0.23	0.00	0.02	0.18	0.00	0.27	0.60	0.00
Crit Volume:	271			339			30			871		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 89-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #87 Pleasant Grove & Gold Coast/Hallissy

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: 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 1 0 1 0 3 0 1 1 0 3 0 1

-----|-----|-----|-----|
Volume Module:
Base Vol: 276 28 22 65 18 13 5 2371 9 95 2311 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: 276 28 22 65 18 13 5 2371 9 95 2311 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: 276 28 0 65 18 0 5 2371 0 95 2311 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 276 28 0 65 18 0 5 2371 0 95 2311 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: 276 28 0 65 18 0 5 2371 0 95 2311 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: 0.19 0.02 0.00 0.04 0.01 0.00 0.00 0.55 0.00 0.07 0.53 0.00
Crit Volume: 276 18 790 95
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:47 Page 90-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #88 Pleasant Grove & Highland Park

Cycle (sec): 120 Critical Vol./Cap.(X): 0.571
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: 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 1 1 0 2 0 0 1 0

-----|-----|-----|-----|
Volume Module:
Base Vol: 73 1584 253 95 951 25 14 14 35 339 29 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: 73 1584 253 95 951 25 14 14 35 339 29 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: 73 1584 253 95 951 25 14 14 35 339 29 54
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 73 1584 253 95 951 25 14 14 35 339 29 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: 73 1584 253 95 951 25 14 14 35 339 29 54

-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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 1.00 1.00 2.00 0.35 0.65
Final Sat.: 1450 4350 1450 1450 4350 1450 1450 1450 1450 2900 507 943

-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat: 0.05 0.36 0.17 0.07 0.22 0.02 0.01 0.01 0.02 0.12 0.06 0.06
Crit Volume: 528 95 35 170
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:47 Page 91-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #89 Pleasant Grove & Market

Cycle (sec): 100 Critical Vol./Cap.(X): 0.583
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	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

Volume Module:

Base Vol:	10	134	113	71	158	128	75	672	16	127	1132	48
Growth Adj:	1.00	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	134	113	71	158	128	75	672	16	127	1132	48
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	134	113	71	158	128	75	672	16	127	1132	48
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	134	113	71	158	128	75	672	16	127	1132	48
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	10	134	113	71	158	128	75	672	16	127	1132	48

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.09	0.08	0.05	0.11	0.09	0.05	0.23	0.01	0.09	0.39	0.03
Crit Volume:	134	71	75	566								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:47 Page 92-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #90 Pleasant Grove & Michener

Cycle (sec): 100 Critical Vol./Cap.(X): 0.800
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 114 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:	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	33	0	44	59	1458	0	0	2195	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:	0	0	0	33	0	44	59	1458	0	0	2195	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:	0	0	0	33	0	44	59	1458	0	0	2195	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	33	0	44	59	1458	0	0	2195	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:	0	0	0	33	0	44	59	1458	0	0	2195	2

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	0.02	0.00	0.03	0.04	0.49	0.00	0.00	0.73	0.00
Crit Volume:	0			44		59	1098					
Crit Moves:				****		****	****					

FR25 PM Thu Sep 19, 2013 08:52:47 Page 93-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #91 Pleasant Grove & Monument

Cycle (sec): 100 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
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

Volume Module:

Base Vol:	10	18	19	24	34	35	20	860	10	63	1286	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:	10	18	19	24	34	35	20	860	10	63	1286	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:	10	18	19	24	34	35	20	860	10	63	1286	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	18	19	24	34	35	20	860	10	63	1286	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:	10	18	19	24	34	35	20	860	10	63	1286	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	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	0.01	0.01	0.02	0.02	0.02	0.01	0.30	0.01	0.04	0.44	0.01
Crit Volume:	18	24	20	643								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:47 Page 94-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #92 Pleasant Grove & Rose Creek

Cycle (sec): 100 Critical Vol./Cap.(X): 0.810
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 98 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:	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 0 0 0	0 0 1! 0 0	1 0 2 0 0	0 0 1 1 0

Volume Module:

Base Vol:	0	0	0	58	0	24	13	1456	0	0	2157	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:	0	0	0	58	0	24	13	1456	0	0	2157	82
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	24	13	1456	0	0	2157	82
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	58	0	24	13	1456	0	0	2157	82
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	24	13	1456	0	0	2157	82

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	0.71	0.00	0.29	1.00	2.00	0.00	0.00	1.93	0.07
Final Sat.:	0	0	0	1061	0	439	1500	3000	0	0	2890	110

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.05	0.01	0.49	0.00	0.00	0.75	0.75
Crit Volume:	0			82	13	1120						
Crit Moves:				****	****	****						

FR25 PM Thu Sep 19, 2013 08:52:47 Page 95-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #93 Pleasant Grove & Roseville Pkwy

Cycle (sec): 120 Critical Vol./Cap.(X): 1.204
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	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:	537	1062	1004	415	1149	40	43	1707	727	877	1964	270
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	537	1062	1004	415	1149	40	43	1707	727	877	1964	270
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	1062	0	415	1149	0	43	1707	0	877	1964	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	537	1062	0	415	1149	0	43	1707	0	877	1964	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	1062	0	415	1149	0	43	1707	0	877	1964	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	0.37	0.00	0.14	0.26	0.00	0.01	0.39	0.00	0.30	0.45	0.00
Crit Volume:	531	208		569	439							
Crit Moves:	****	****		****	****							

FR25 PM Thu Sep 19, 2013 08:52:47 Page 96-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #94 Pleasant Grove & Sun City

Cycle (sec): 120 Critical Vol./Cap.(X): 0.707
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 64 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:	Permitted	Permitted	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 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	106	0	6	12	1359	0	0	1886	300
Growth Adj:	1.00	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	106	0	6	12	1359	0	0	1886	300
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	106	0	6	12	1359	0	0	1886	300
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	106	0	6	12	1359	0	0	1886	300
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	106	0	6	12	1359	0	0	1886	300

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	0.07	0.00	0.00	0.01	0.45	0.00	0.00	0.63	0.20
Crit Volume:	0			106			12				943	
Crit Moves:				****			****				****	

FR25 PM Thu Sep 19, 2013 08:52:47 Page 97-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #95 Pleasant Grove & Wal-Mart/Highland Pointe

Cycle (sec): 120 Critical Vol./Cap.(X): 0.838
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 140 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 1 0	2 0 3 0 1	2 0 1 0 1	2 0 1 0 1

Volume Module:

Base Vol:	346	2705	42	79	2405	281	470	6	433	173	5	167
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	346	2705	42	79	2405	281	470	6	433	173	5	167
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:	346	2705	0	79	2405	0	470	6	0	173	5	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	346	2705	0	79	2405	0	470	6	0	173	5	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:	346	2705	0	79	2405	0	470	6	0	173	5	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	4.00	0.00	2.00	3.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
Final Sat.:	2900	5800	0	2900	4350	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.12	0.47	0.00	0.03	0.55	0.00	0.16	0.00	0.00	0.06	0.00	0.00
Crit Volume:	173			802			235			5		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 98-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #96 Pleasant Grove & Washington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.921
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	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 3 0 1	2 0 3 0 1	2 0 4 0 1

Volume Module:

Base Vol:	205	506	348	104	1093	352	161	1910	120	465	2182	186
Growth Adj:	1.00	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	506	348	104	1093	352	161	1910	120	465	2182	186
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:	205	506	0	104	1093	352	161	1910	120	465	2182	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	205	506	0	104	1093	352	161	1910	120	465	2182	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:	205	506	0	104	1093	352	161	1910	120	465	2182	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	2.00	4.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	2900	4350	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.07	0.17	0.00	0.04	0.25	0.24	0.06	0.44	0.08	0.16	0.38	0.00
Crit Volume:	103			364			637			232		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 99-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #97 Pleasant Grove Bl & Country Club Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.621
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:	Permitted	Permitted	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 2 1 0	1 0 3 0 0

Volume Module:

Base Vol:	8	0	241	0	0	0	0	1891	181	200	2643	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:	8	0	241	0	0	0	0	1891	181	200	2643	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	0	241	0	0	0	0	1891	181	200	2643	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	0	241	0	0	0	0	1891	181	200	2643	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:	8	0	241	0	0	0	0	1891	181	200	2643	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	2.74	0.26	1.00	3.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	4107	393	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.16	0.00	0.00	0.00	0.00	0.46	0.46	0.13	0.59	0.00
Crit Volume:	241	0	0	0	0	0	0	691	0	0	0	0
Crit Moves:	***							***		***		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 100-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #98 Pleasant Grove Bl & Woodcreek Oaks Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.863
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 166 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 2 0 1	2 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	285	726	432	382	859	242	138	1318	178	455	1829	305
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	285	726	432	382	859	242	138	1318	178	455	1829	305
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:	285	726	0	382	859	0	138	1318	0	455	1829	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	285	726	0	382	859	0	138	1318	0	455	1829	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:	285	726	0	382	859	0	138	1318	0	455	1829	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	0.25	0.00	0.13	0.30	0.00	0.05	0.30	0.00	0.16	0.42	0.00
Crit Volume:	143	430	69	610	610	610	610	610	610	610	610	610
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***

FR25 PM Thu Sep 19, 2013 08:52:47 Page 101-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #99 Rocky Ridge Dr & Maidu Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.599
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	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	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	3 824 96	76 1560 14	12 8 6	52 6 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:	3 824 96	76 1560 14	12 8 6	52 6 62
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	3 824 96	76 1560 14	12 8 6	52 6 62
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	3 824 96	76 1560 14	12 8 6	52 6 62
PCE Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
MLF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	3 824 96	76 1560 14	12 8 6	52 6 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:	1.00 1.79 0.21	1.00 1.98 0.02	0.60 0.40 1.00	0.90 0.10 1.00
Final Sat.:	1450 2597 303	1450 2874 26	870 580 1450	1300 150 1450

Capacity Analysis Module:

Vol/Sat:	0.00 0.32 0.32	0.05 0.54 0.54	0.01 0.01 0.00	0.04 0.04 0.04
Crit Volume:	3	787	20	58
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:47 Page 102-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #100 Rocky Ridge Dr & McLaren Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.496
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	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:	0 0 1 1 0	1 0 2 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0 829 93	154 1483 0	0 0 0	3 0 103
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:	0 829 93	154 1483 0	0 0 0	3 0 103
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:	0 829 93	154 1483 0	0 0 0	3 0 103
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 829 93	154 1483 0	0 0 0	3 0 103
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:	0 829 93	154 1483 0	0 0 0	3 0 103

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 1.80 0.20	1.00 2.00 0.00	0.00 0.00 0.00	1.00 0.00 1.00
Final Sat.:	0 2697 303	1500 3000 0	0 0 0	1500 0 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.31 0.31	0.10 0.49 0.00	0.00 0.00 0.00	0.00 0.00 0.07
Crit Volume:	0	742	0	3
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:47 Page 103-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #101 Rocky Ridge Dr & Professional Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.669
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
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:	49	819	43	47	1346	35	6	21	122	152	23	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:	49	819	43	47	1346	35	6	21	122	152	23	144
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:	49	819	43	47	1346	0	6	21	122	152	23	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	819	43	47	1346	0	6	21	122	152	23	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:	49	819	43	47	1346	0	6	21	122	152	23	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	1.90	0.10	1.00	2.00	1.00	0.22	0.78	1.00	0.87	0.13	1.00
Final Sat.:	1450	2755	145	1450	2900	1450	322	1128	1450	1259	191	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.30	0.30	0.03	0.46	0.00	0.02	0.02	0.08	0.12	0.12	0.00
Crit Volume:	0			673			122		175			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:47 Page 104-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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): 0.251
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	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 0 0 0 1	1 0 2 0 0	1 0 2 0 1

Volume Module:

Base Vol:	0	0	0	220	0	30	26	248	0	1	262	48
Growth Adj:	1.00	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	220	0	30	26	248	0	1	262	48
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	220	0	30	26	248	0	1	262	48
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	220	0	30	26	248	0	1	262	48
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	220	0	30	26	248	0	1	262	48

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	0.15	0.00	0.02	0.02	0.08	0.00	0.00	0.09	0.03
Crit Volume:	0			220			26		131			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:47 Page 105-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #103 Roseville Parkway & Chase

Cycle (sec): 100 Critical Vol./Cap.(X): 0.831
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 135 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 0 1	0 0 0 0 0	0 0 3 0 1	1 0 3 0 0

Volume Module:

Base Vol:	68	0	90	0	0	0	2216	252	418	1897	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
Initial Bse:	68	0	90	0	0	0	2216	252	418	1897	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	0	90	0	0	0	2216	252	418	1897	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	0	90	0	0	0	2216	252	418	1897	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
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	0	90	0	0	0	2216	252	418	1897	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	3.00	1.00	1.00	3.00
Final Sat.:	1500	0	1500	0	0	0	4500	1500	1500	4500	0

Capacity Analysis Module:

Vol/Sat:	0.05	0.00	0.06	0.00	0.00	0.00	0.00	0.49	0.17	0.28	0.42	0.00
Crit Volume:	90	0					739			418		
Crit Moves:	***						***			***		

FR25 PM Thu Sep 19, 2013 08:52:47 Page 106-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #104 Roseville Parkway & Creekside Ridge

Cycle (sec): 120 Critical Vol./Cap.(X): 0.804
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 116 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:	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 1 0 0 1	1 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	14	3	11	244	5	315	95	2693	7	40	2396	312
Growth Adj:	1.00	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	3	11	244	5	315	95	2693	7	40	2396	312
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	3	11	244	5	315	95	2693	7	40	2396	312
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	3	11	244	5	315	95	2693	7	40	2396	312
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	14	3	11	244	5	315	95	2693	7	40	2396	312

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.65	0.35	1.00	1.96	0.04	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	2388	512	1450	2842	58	1450	1450	4350	1450	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.09	0.09	0.22	0.07	0.62	0.00	0.03	0.55	0.22
Crit Volume:	9			315		898			40			
Crit Moves:	***			***		***			***			

FR25 PM Thu Sep 19, 2013 08:52:47 Page 107-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #105 Roseville Parkway & Gibson

Cycle (sec): 120 Critical Vol./Cap.(X): 0.838
Loss Time (sec): 9 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:	Permitted	Permitted	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:	0 1 0 0 1	2 1 0 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	5	2	11	1097	3	310	186	2106	3	16	1978	694
Growth Adj:	1.00	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	2	11	1097	3	310	186	2106	3	16	1978	694
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	2	11	1097	3	310	186	2106	3	16	1978	694
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	2	11	1097	3	310	186	2106	3	16	1978	694
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	2	11	1097	3	310	186	2106	3	16	1978	694

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:	0.71	0.29	1.00	2.99	0.01	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1071	429	1500	4488	12	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.01	0.24	0.24	0.21	0.12	0.47	0.00	0.01	0.44	0.46
Crit Volume:	11	367	186	694								
Crit Moves:	***	***	***	***								

FR25 PM Thu Sep 19, 2013 08:52:47 Page 108-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #106 Roseville Parkway & N. Sunrise

Cycle (sec): 120 Critical Vol./Cap.(X): 0.922
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	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 1 0 0 1	1 0 2 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	615	105	314	36	171	238	63	2305	728	243	2485	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:	615	105	314	36	171	238	63	2305	728	243	2485	29
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:	615	105	0	36	171	238	63	2305	0	243	2485	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	615	105	0	36	171	238	63	2305	0	243	2485	29
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:	615	105	0	36	171	238	63	2305	0	243	2485	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:	2.56	0.44	1.00	1.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3716	634	1450	1450	2900	1450	2900	4350	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.17	0.17	0.00	0.02	0.06	0.16	0.02	0.53	0.00	0.08	0.57	0.02
Crit Volume:	240	238	768	122								
Crit Moves:	***	***	***	***								

FR25 PM Thu Sep 19, 2013 08:52:47 Page 109-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #107 Roseville Parkway & Reserve

Cycle (sec): 120 Critical Vol./Cap.(X): 0.814
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:	Split Phase	Split Phase	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 1 0 0 1	1 1 0 0 1	2 0 4 0 1	2 0 4 0 1

Volume Module:

Base Vol:	213	86	260	12	185	80	35	2885	168	248	2298	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:	213	86	260	12	185	80	35	2885	168	248	2298	97
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:	213	86	0	12	185	0	35	2885	0	248	2298	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	213	86	0	12	185	0	35	2885	0	248	2298	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:	213	86	0	12	185	0	35	2885	0	248	2298	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:	1.42	0.58	1.00	1.00	1.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	2066	834	1450	1450	1450	1450	2900	5800	1450	2900	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	0.00	0.01	0.13	0.00	0.01	0.50	0.00	0.09	0.40	0.00
Crit Volume:	150	185		721	124							
Crit Moves:	****	****		****	****							

FR25 PM Thu Sep 19, 2013 08:52:47 Page 110-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #108 Roseville Parkway & Secret Ravine

Cycle (sec): 120 Critical Vol./Cap.(X): 0.740
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 72 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	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 1 0 0 2	2 0 2 1 0	1 0 3 0 1

Volume Module:

Base Vol:	2	0	0	114	0	443	599	1859	2	7	2143	132
Growth Adj:	1.00	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	114	0	443	599	1859	2	7	2143	132
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	114	0	443	599	1859	2	7	2143	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	0	114	0	443	599	1859	2	7	2143	132
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	0	0	114	0	487	599	1859	2	7	2143	132

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2.00	2.00	2.99	0.01	1.00	3.00	1.00
Final Sat.:	1450	1450	1450	2900	0	2900	2900	4345	5	1450	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.17	0.21	0.43	0.43	0.00	0.49	0.09
Crit Volume:	2	57	300	714								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:47 Page 111-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

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

Intersection #109 Roseville Parkway & Taylor

Cycle (sec): 120 Critical Vol./Cap.(X): 0.819
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 126 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:	2 0 3 0 1	2 0 3 0 1	2 0 4 0 1	2 0 3 0 1

Volume Module:

Base Vol:	407	340	116	467	388	139	215	2405	319	240	2200	749
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	407	340	116	467	388	139	215	2405	319	240	2200	749
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	407	340	116	467	388	139	215	2405	319	240	2200	749
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	407	340	116	467	388	139	215	2405	319	240	2200	749
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	407	340	116	467	388	139	215	2405	319	240	2200	749

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	4.00	1.00	2.00	3.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	2900	5800	1450	2900	4350	1450

Capacity Analysis Module:

Vol/Sat:	0.14	0.08	0.08	0.16	0.09	0.10	0.07	0.41	0.22	0.08	0.51	0.52
Crit Volume:	113	234	108	733								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:47 Page 112-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #110 Roseville Parkway & West Mall

Cycle (sec): 120 Critical Vol./Cap.(X): 0.594
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:	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:	0 1 0 0 1	1 1 0 0 1	2 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	19	1	28	90	1	143	173	3045	41	34	2500	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:	19	1	28	90	1	143	173	3045	41	34	2500	83
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:	19	1	0	90	1	0	173	3045	0	34	2500	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	1	0	90	1	0	173	3045	0	34	2500	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:	19	1	0	90	1	0	173	3045	0	34	2500	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:	0.95	0.05	1.00	1.98	0.02	1.00	2.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1378	73	1450	2868	32	1450	2900	5800	1450	1450	5800	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.00	0.03	0.03	0.00	0.06	0.53	0.00	0.02	0.43	0.00
Crit Volume:	20	46	761	34								
Crit Moves:	****	****	****	****								

FR25 PM Thu Sep 19, 2013 08:52:47 Page 113-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #111 Roseville Pw & Alexandra Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.608
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:	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	1	0	0

Volume Module:

Base Vol:	0	2154	155	117	1792	0	0	0	0	77	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:	0	2154	155	117	1792	0	0	0	0	77	0	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	2154	155	117	1792	0	0	0	0	77	0	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	2154	155	117	1792	0	0	0	0	77	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:	0	2154	155	117	1792	0	0	0	0	77	0	81

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	1.00	0.00	1.00
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.48	0.10	0.08	0.40	0.00	0.00	0.00	0.00	0.05	0.00	0.05
Crit Volume:	718			117			0			77		
Crit Moves:	****			****						****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 114-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #112 Roseville Pw & Eureka Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.726
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:	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	3	0	1	0	2

Volume Module:

Base Vol:	477	542	88	411	897	36	37	652	424	189	442	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:	477	542	88	411	897	36	37	652	424	189	442	119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	477	542	88	411	897	36	37	652	424	189	442	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	477	542	88	411	897	36	37	652	424	189	442	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	477	542	88	411	897	36	37	652	424	189	442	119

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	1.00	2.00	1.00
Final Sat.:	2900	2900	1450	2900	4350	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.16	0.19	0.06	0.14	0.21	0.02	0.03	0.22	0.29	0.13	0.15	0.08
Crit Volume:	238			299			326			189		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 115-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #113 Roseville Pw & Lead Hill/Orvieto

Cycle (sec): 120 Critical Vol./Cap.(X): 0.650
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	Split Phase	Split Phase
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:	1 0 3 0 1	1 0 3 0 1	1 1 0 0 1	1 0 0 1 0

Volume Module:

Base Vol:	216	1711	8	11	1843	57	149	27	264	5	13	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:	216	1711	8	11	1843	57	149	27	264	5	13	11
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:	216	1711	8	11	1843	57	149	27	0	5	13	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	216	1711	8	11	1843	57	149	27	0	5	13	11
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:	216	1711	8	11	1843	57	149	27	0	5	13	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	3.00	1.00	1.00	3.00	1.00	1.69	0.31	1.00	1.00	0.54	0.46
Final Sat.:	1450	4350	1450	1450	4350	1450	2455	445	1450	1450	785	665

Capacity Analysis Module:

Vol/Sat:	0.15	0.39	0.01	0.01	0.42	0.04	0.06	0.06	0.00	0.00	0.02	0.02
Crit Volume:	216				614			88			24	
Crit Moves:	****				****			****			****	

FR25 PM Thu Sep 19, 2013 08:52:48 Page 116-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #114 Roseville Pw & N Cirby Wy

Cycle (sec): 120 Critical Vol./Cap.(X): 0.502
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 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	58	0	47	0	0	0	0	1184	135	103	982	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	47	0	0	0	0	1184	135	103	982	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	47	0	0	0	0	1184	135	103	982	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	0	47	0	0	0	0	1184	135	103	982	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	47	0	0	0	0	1184	135	103	982	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	0.00	2.00	1.00	1.00	0.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.39	0.09	0.07	0.33	0.00
Crit Volume:	58							592		103		
Crit Moves:	****							****		****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 117-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #115 Roseville Pw & Olympus Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.601
Loss Time (sec): 12 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:	Ignore	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 3 0 1	2 0 2 1 0	1 0 1 0 1	1 0 2 0 1

Volume Module:

Base Vol:	28 1520 121	313 1837 4	109 177 133	31 21 192
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:	28 1520 121	313 1837 4	109 177 133	31 21 192
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:	28 1520 0	313 1837 4	109 177 133	31 21 192
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	28 1520 0	313 1837 4	109 177 133	31 21 192
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:	28 1520 0	313 1837 4	109 177 133	31 21 192

Saturation Flow Module:

Sat/Lane:	1450 1450 1450	1450 1450 1450	1450 1450 1450	1450 1450 1450
Adjustment:	1.00 1.00 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 2.99 0.01	1.00 1.00 1.00	1.00 2.00 1.00
Final Sat.:	1450 4350 1450	2900 4341 9	1450 1450 1450	1450 2900 1450

Capacity Analysis Module:

Vol/Sat:	0.02 0.35 0.00	0.11 0.42 0.42	0.08 0.12 0.09	0.02 0.01 0.13
Crit Volume:	507	157	177	31
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 118-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #116 Roseville Pw & Rocky Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.585
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	Permitted	Permitted
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:	2 0 3 0 0	0 0 3 0 1	2 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	108 1916 0	0 1626 243	358 0 293	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:	108 1916 0	0 1626 243	358 0 293	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:	108 1916 0	0 1626 243	358 0 293	0 0 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	108 1916 0	0 1626 243	358 0 293	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:	108 1916 0	0 1626 243	358 0 293	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:	2.00 3.00 0.00	0.00 3.00 1.00	2.00 0.00 1.00	0.00 0.00 0.00
Final Sat.:	3000 4500 0	0 4500 1500	3000 0 1500	0 0 0

Capacity Analysis Module:

Vol/Sat:	0.04 0.43 0.00	0.00 0.36 0.16	0.12 0.00 0.20	0.00 0.00 0.00
Crit Volume:	639	0	293	0
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 119-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #117 Roseville Pw & Sierra College Bl

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:	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 0 2 0 1

Volume Module:

Base Vol:	768 1264	30	197 1708	78	112 405	707	45 215	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:	768 1264	30	197 1708	78	112 405	707	45 215	64
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:	768 1264	0	197 1708	0	112 405	0	45 215	0
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	768 1264	0	197 1708	0	112 405	0	45 215	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:	768 1264	0	197 1708	0	112 405	0	45 215	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:	0.26 0.29	0.00	0.07 0.39	0.00	0.04 0.14	0.00	0.02 0.07	0.00
Crit Volume:	384		569		203		23	
Crit Moves:	****		****		****		****	

FR25 PM Thu Sep 19, 2013 08:52:48 Page 120-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #118 Roseville Pw & Trestle Rd

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	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 0 1	1 0 2 0 1	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	115 1235	19	5 1384	12	5 7	105	30 7	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:	115 1235	19	5 1384	12	5 7	105	30 7	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:	115 1235	19	5 1384	12	5 7	105	30 7	1
Reduct Vol:	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0
Reduced Vol:	115 1235	19	5 1384	12	5 7	105	30 7	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:	115 1235	19	5 1384	12	5 7	105	30 7	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	0.42 0.58	1.00	0.79 0.18	0.03
Final Sat.:	1450 2900	1450	1450 2900	1450	604 846	1450	1145 267	38

Capacity Analysis Module:

Vol/Sat:	0.08 0.43	0.01	0.00 0.48	0.01	0.01 0.01	0.07	0.03 0.03	0.03
Crit Volume:	115		692		105		38	
Crit Moves:	****		****		****		****	

FR25 PM Thu Sep 19, 2013 08:52:48 Page 121-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #119 Roseville Pw & Village/Slate Creek

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:	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	1

Volume Module:

Base Vol:	115	794	33	26	1158	23	24	3	82	14	3	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:	115	794	33	26	1158	23	24	3	82	14	3	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:	115	794	33	26	1158	23	24	3	82	14	3	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	115	794	33	26	1158	23	24	3	82	14	3	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:	115	794	33	26	1158	23	24	3	82	14	3	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:	1.00	1.92	0.08	1.00	1.96	0.04	0.89	0.11	1.00	0.82	0.18	1.00
Final Sat.:	1450	2784	116	1450	2844	56	1289	161	1450	1194	256	1450

Capacity Analysis Module:

Vol/Sat:	0.08	0.29	0.29	0.02	0.41	0.41	0.02	0.02	0.06	0.01	0.01	0.01
Crit Volume:	115			591			27			17		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 122-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #120 Roseville Pw & Washington Bl

Cycle (sec): 120 Critical Vol./Cap.(X): 0.761
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			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

Volume Module:

Base Vol:	1	449	135	339	1131	200	47	1012	4	63	895	263
Growth Adj:	1.00	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	449	135	339	1131	200	47	1012	4	63	895	263
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:	1	449	0	339	1131	0	47	1012	0	63	895	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	449	0	339	1131	0	47	1012	0	63	895	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:	1	449	0	339	1131	0	47	1012	0	63	895	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:	0.00	0.15	0.00	0.12	0.39	0.00	0.02	0.35	0.00	0.02	0.31	0.00
Crit Volume:	0			566			506			32		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 123-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #121 S Cirby Wy & Champion Oaks 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:	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:	43	8	6	13	77	251	27	830	66	38	635	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:	43	8	6	13	77	251	27	830	66	38	635	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:	43	8	6	13	77	251	27	830	66	38	635	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	8	6	13	77	251	27	830	66	38	635	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:	43	8	6	13	77	251	27	830	66	38	635	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:	0.75	0.14	0.11	0.14	0.86	1.00	1.00	1.85	0.15	1.00	1.97	0.03
Final Sat.:	1094	204	153	209	1241	1450	1450	2686	214	1450	2851	49

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.04	0.06	0.06	0.17	0.02	0.31	0.31	0.03	0.22	0.22
Crit Volume:	57			251		448	38					
Crit Moves:	****			****		****	****					

FR25 PM Thu Sep 19, 2013 08:52:48 Page 124-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #122 S Cirby Wy & Old Auburn Rd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.746
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 73 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	Permitted	Permitted
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 1	1 0 1 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0	274	353	322	519	0	0	0	0	455	0	434
Growth Adj:	1.00	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	274	353	322	519	0	0	0	0	455	0	434
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	274	353	322	519	0	0	0	0	455	0	434
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	274	353	322	519	0	0	0	0	455	0	434
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	274	353	322	519	0	0	0	0	455	0	434

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	1.02	0.00	0.98
Final Sat.:	0	1500	1500	1500	1500	0	0	0	0	1535	0	1465

Capacity Analysis Module:

Vol/Sat:	0.00	0.18	0.24	0.21	0.35	0.00	0.00	0.00	0.00	0.30	0.00	0.30
Crit Volume:	353	322				0				445		
Crit Moves:	****	****								****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 125-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #123 Secret Ravine & Scarborough/ Poppy Field

Cycle (sec): 100 Critical Vol./Cap.(X): 0.328
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:	0 0 1 0 0	0 1 0 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	7	1	12	13	0	128	177	427	23	12	302	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:	7	1	12	13	0	128	177	427	23	12	302	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:	7	1	12	13	0	128	177	427	23	12	302	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	1	12	13	0	128	177	427	23	12	302	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:	7	1	12	13	0	128	177	427	23	12	302	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:	0.35	0.05	0.60	1.00	0.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	508	73	870	1450	0	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.01	0.01	0.01	0.00	0.09	0.12	0.15	0.02	0.01	0.10	0.02
Crit Volume:	20			128	177		151					
Crit Moves:	****			****	****		****					

FR25 PM Thu Sep 19, 2013 08:52:48 Page 126-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #124 Sierra College & Miners Ravine

Cycle (sec): 100 Critical Vol./Cap.(X): 0.445
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	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:	1 0 2 0 1	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	113	1013	0	2	1011	63	25	0	49	0	0	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:	113	1013	0	2	1011	63	25	0	49	0	0	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	113	1013	0	2	1011	63	25	0	49	0	0	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	113	1013	0	2	1011	63	25	0	49	0	0	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	113	1013	0	2	1011	63	25	0	49	0	0	1

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	0.00	1.00	0.00	1.00	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	1500	0	1500	0	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.08	0.34	0.00	0.00	0.34	0.04	0.02	0.00	0.03	0.00	0.00	0.00
Crit Volume:	113			506			49	0				
Crit Moves:	****			****			****	****				

FR25 PM Thu Sep 19, 2013 08:52:48 Page 127-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #125 Sierra College & Secret Ravine

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	Permitted	Permitted
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	2 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	232	783	3	1	833	172	186	2	228	3	5	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:	232	783	3	1	833	172	186	2	228	3	5	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:	232	783	3	1	833	172	186	2	228	3	5	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	232	783	3	1	833	172	186	2	228	3	5	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:	232	783	3	1	833	172	186	2	228	3	5	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:	1.00	2.00	1.00	1.00	2.00	1.00	2.00	0.01	0.99	0.38	0.62	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	3000	13	1487	563	938	1500

Capacity Analysis Module:

Vol/Sat:	0.15	0.26	0.00	0.00	0.28	0.11	0.06	0.15	0.15	0.01	0.01	0.00
Crit Volume:	232				417			230		3		
Crit Moves:	****				****			****		****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 128-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #126 Sierra College Bl & Eureka Rd

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	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	1 0 2 0 1	2 0 2 0 1

Volume Module:

Base Vol:	105	1144	33	261	1401	208	97	466	564	43	385	227
Growth Adj:	1.00	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	1144	33	261	1401	208	97	466	564	43	385	227
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:	105	1144	0	261	1401	0	97	466	0	43	385	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	105	1144	0	261	1401	0	97	466	0	43	385	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:	105	1144	0	261	1401	0	97	466	0	43	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:	2.00	3.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	2900	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.26	0.00	0.09	0.32	0.00	0.07	0.16	0.00	0.01	0.13	0.00
Crit Volume:	53				467			97		192		
Crit Moves:	****				****			****		****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 129-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #127 Sierra College Bl & Indigo Creek Apts

Cycle (sec): 100 Critical Vol./Cap.(X): 0.784
Loss Time (sec): 0 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			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	1	0	0	1	0

Volume Module:

Base Vol:	183	1304	59	106	1416	55	203	11	334	126	4	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:	183	1304	59	106	1416	55	203	11	334	126	4	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:	183	1304	59	106	1416	55	203	11	334	126	4	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	1304	59	106	1416	55	203	11	334	126	4	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:	183	1304	59	106	1416	55	203	11	334	126	4	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	2.87	0.13	1.00	2.89	0.11	1.90	0.10	1.00	0.97	0.03	1.00
Final Sat.:	1450	4162	188	1450	4187	163	2751	149	1450	1405	45	1450

Capacity Analysis Module:

Vol/Sat:	0.13	0.31	0.31	0.07	0.34	0.34	0.07	0.07	0.23	0.09	0.09	0.04
Crit Volume:	183			490			334		130			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:48 Page 130-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #128 Sierra College Bl & Old Auburn 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			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:	2	0	3	0	1	1	0	3	0	1	1	0

Volume Module:

Base Vol:	351	1818	73	55	2067	335	265	95	157	57	133	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:	351	1818	73	55	2067	335	265	95	157	57	133	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:	351	1818	73	55	2067	335	265	95	157	57	133	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	351	1818	73	55	2067	335	265	95	157	57	133	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:	351	1818	73	55	2067	335	265	95	157	57	133	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:	2.00	3.00	1.00	1.00	3.00	1.00	1.53	0.55	0.92	0.54	1.26	0.20
Final Sat.:	2900	4350	1450	1450	4350	1450	2223	798	1329	783	1828	289

Capacity Analysis Module:

Vol/Sat:	0.12	0.42	0.05	0.04	0.48	0.23	0.12	0.12	0.12	0.07	0.07	0.07
Crit Volume:	176			689			173		105			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:48 Page 131-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #129 Sierra College Bl & Olympus 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			Permitted			Permitted		
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:	1	0	2	0	1	1	0	0	1	0	1	0

Volume Module:

Base Vol:	266	1030	13	4	981	57	88	7	452	14	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:	266	1030	13	4	981	57	88	7	452	14	4	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:	266	1030	13	4	981	57	88	7	0	14	4	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	266	1030	13	4	981	57	88	7	0	14	4	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:	266	1030	13	4	981	57	88	7	0	14	4	2

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	1.85	0.15	1.00	0.78	0.22	1.00
Final Sat.:	1500	3000	1500	1500	3000	1500	2779	221	1500	1167	333	1500

Capacity Analysis Module:

Vol/Sat:	0.18	0.34	0.01	0.00	0.33	0.04	0.03	0.03	0.00	0.01	0.01	0.00
Crit Volume:	266			491			47			18		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 132-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #130 Stanford Ranch & Fairway

Cycle (sec): 120 Critical Vol./Cap.(X): 0.679
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			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	2	0

Volume Module:

Base Vol:	310	1155	263	78	882	45	73	414	179	213	314	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:	310	1155	263	78	882	45	73	414	179	213	314	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:	310	1155	263	78	882	45	73	414	179	213	314	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	310	1155	263	78	882	45	73	414	179	213	314	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:	310	1155	263	78	882	45	73	414	179	213	314	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	3.00	1.00	2.00	3.00	1.00	1.00	2.00	1.00	2.00	0.95	0.05
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	2900	1450	2900	1384	66

Capacity Analysis Module:

Vol/Sat:	0.11	0.27	0.18	0.03	0.20	0.03	0.05	0.14	0.12	0.07	0.23	0.23
Crit Volume:	155			294			207			329		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 133-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #131 Stanford Ranch & Five Star

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	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	1 1 0 1 0

Volume Module:

Base Vol:	494	1547	302	67	1116	36	32	84	322	359	125	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:	494	1547	302	67	1116	36	32	84	322	359	125	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:	494	1547	302	67	1116	36	32	84	322	359	125	147
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	494	1547	302	67	1116	36	32	84	322	359	125	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:	494	1547	302	67	1116	36	32	84	322	359	125	147

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	1.71	0.59	0.70
Final Sat.:	2900	4350	1450	2900	4350	1450	1450	1450	1450	2470	863	1017

Capacity Analysis Module:

Vol/Sat:	0.17	0.36	0.21	0.02	0.26	0.02	0.02	0.06	0.22	0.15	0.14	0.14
Crit Volume:	247			372			84		211			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:48 Page 134-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #132 Stanford Ranch & Highland Park

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	Split Phase	Split Phase
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:	23	1296	31	13	961	302	321	17	39	33	14	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:	23	1296	31	13	961	302	321	17	39	33	14	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:	23	1296	31	13	961	302	321	17	39	33	14	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	1296	31	13	961	302	321	17	39	33	14	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:	23	1296	31	13	961	302	321	17	39	33	14	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	3.00	1.00	1.00	3.00	1.00	1.00	0.30	0.70	2.00	0.45	0.55
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	440	1010	2900	655	795

Capacity Analysis Module:

Vol/Sat:	0.02	0.30	0.02	0.01	0.22	0.21	0.22	0.04	0.04	0.01	0.02	0.02
Crit Volume:	432			13			321					31
Crit Moves:	****			****			****					****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 135-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #133 Sunrise & Coloma

Cycle (sec): 120 Critical Vol./Cap.(X): 0.738
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 71 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	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:	1 0 1 1 0	1 0 1 1 0	1 0 1 0 1	1 0 0 1 0

Volume Module:

Base Vol:	39	1415	63	6	1771	49	63	12	65	38	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:	39	1415	63	6	1771	49	63	12	65	38	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:	39	1415	63	6	1771	49	63	12	65	38	18	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	1415	63	6	1771	49	63	12	65	38	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:	39	1415	63	6	1771	49	63	12	65	38	18	77

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	1.91	0.09	1.00	1.95	0.05	1.00	1.00	1.00	1.00	0.19	0.81
Final Sat.:	1500	2872	128	1500	2919	81	1500	1500	1500	1500	284	1216

Capacity Analysis Module:

Vol/Sat:	0.03	0.49	0.49	0.00	0.61	0.61	0.04	0.01	0.04	0.03	0.06	0.06
Crit Volume:	39				910	63						95
Crit Moves:	****				****	****						****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 136-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #134 Sunrise & Sandringham/Kensington

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	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 3 0 1	1 0 0 0 1	1 0 0 0 1

Volume Module:

Base Vol:	42	2080	57	7	2239	213	24	0	252	256	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:	42	2080	57	7	2239	213	24	0	252	256	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:	42	2080	57	7	2239	213	24	0	252	256	0	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	2080	57	7	2239	213	24	0	252	256	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:	42	2080	57	7	2239	213	24	0	252	256	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	2.92	0.08	1.00	3.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	4234	116	1450	4350	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.49	0.49	0.00	0.51	0.15	0.02	0.00	0.17	0.18	0.00	0.02
Crit Volume:	0				746				252	256		
Crit Moves:	****				****				****	****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 137-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #135 Sunrise & Sun Tree/Kensington

Cycle (sec): 120 Critical Vol./Cap.(X): 0.703
Loss Time (sec): 9 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 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	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:	1 0 2 1 0	1 0 2 1 0	0 0 1! 0 0	0 0 1! 0 0

Volume Module:

Base Vol:	9 2094	37 37 2359	83 51 18	11 90 22	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:	9 2094	37 37 2359	83 51 18	11 90 22	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:	9 2094	37 37 2359	83 51 18	11 90 22	68
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0	0
Reduced Vol:	9 2094	37 37 2359	83 51 18	11 90 22	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
FinalVolume:	9 2094	37 37 2359	83 51 18	11 90 22	68

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 2.95	0.05 1.00 2.90	0.10 0.64 0.22	0.14 0.50 0.12
Final Sat.:	1500 4422	78 1500 4347	153 956 338	206 750 183

Capacity Analysis Module:

Vol/Sat:	0.01 0.47	0.47 0.02 0.54	0.54 0.05 0.05	0.05 0.12 0.12
Crit Volume:	9	814	51	180
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 138-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #136 Sunrise Av & Frances Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.615
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	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 2 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0 1539	38 85 1723	0 0 0	49 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
Initial Bse:	0 1539	38 85 1723	0 0 0	49 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
PHF Adj:	1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 1539	38 85 1723	0 0 0	49 0 60
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 1539	38 85 1723	0 0 0	49 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
MLF Adj:	1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
FinalVolume:	0 1539	38 85 1723	0 0 0	49 0 60

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 1.95	0.05 1.00 2.00	0.00 0.00 0.00	1.00 0.00 1.00
Final Sat.:	1500 2928	72 1500 3000	0 0 0	1500 0 1500

Capacity Analysis Module:

Vol/Sat:	0.00 0.53	0.53 0.06 0.57	0.00 0.00 0.00	0.03 0.00 0.04
Crit Volume:	789	85	0	49
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 139-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #137 Sunrise Av & Oak Ridge Dr

Cycle (sec): 120 Critical Vol./Cap.(X): 0.454
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	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	801	11	272	879	0	0	0	0	3	0	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:	0	801	11	272	879	0	0	0	0	3	0	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:	0	801	11	272	879	0	0	0	0	3	0	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	801	11	272	879	0	0	0	0	3	0	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:	0	801	11	272	879	0	0	0	0	3	0	44

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	1.97	0.03	1.00	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	2959	41	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.27	0.27	0.18	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Crit Volume:		406	272				0			3		
Crit Moves:	****	****								****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 140-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #138 Washington & Diamond Oaks

Cycle (sec): 120 Critical Vol./Cap.(X): 0.764
Loss Time (sec): 9 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	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 0 1

Volume Module:

Base Vol:	5	785	84	240	1693	19	1	3	4	235	4	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:	5	785	84	240	1693	19	1	3	4	235	4	311
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	785	84	240	1693	19	1	3	4	235	4	311
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	785	84	240	1693	19	1	3	4	235	4	311
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	785	84	240	1693	19	1	3	4	235	4	311

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.81	0.19	1.00	1.98	0.02	0.12	0.38	0.50	0.98	0.02	1.00
Final Sat.:	1450	2620	280	1450	2868	32	181	544	725	1426	24	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.30	0.30	0.17	0.59	0.59	0.01	0.01	0.01	0.16	0.16	0.21
Crit Volume:		5			856			8			239	
Crit Moves:	****				****			****			****	

FR25 PM Thu Sep 19, 2013 08:52:48 Page 141-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #139 Washington & Sawtell/Derek

Cycle (sec): 120 Critical Vol./Cap.(X): 0.816
Loss Time (sec): 12 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	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 1 0	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	69	814	14	12	1846	75	65	1	27	82	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:	69	814	14	12	1846	75	65	1	27	82	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:	69	814	14	12	1846	75	65	1	27	82	6	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	814	14	12	1846	75	65	1	27	82	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:	69	814	14	12	1846	75	65	1	27	82	6	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	1.92	0.08	0.98	0.02	1.00	0.93	0.07	1.00
Final Sat.:	1450	2900	1450	1450	2787	113	1428	22	1450	1351	99	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.28	0.01	0.01	0.66	0.66	0.05	0.05	0.02	0.06	0.06	0.02
Crit Volume:	69				961		66			88		
Crit Moves:	****				****		****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 142-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #140 Washington Bl & Hallissy Dr

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:	Protected	Protected	Permitted	Permitted
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 0 2 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0	504	171	25	1152	0	0	0	0	124	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	504	171	25	1152	0	0	0	0	124	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	504	171	25	1152	0	0	0	0	124	0	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	504	171	25	1152	0	0	0	0	124	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	504	171	25	1152	0	0	0	0	124	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	2.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	3000	1500	1500	3000	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.17	0.11	0.02	0.38	0.00	0.00	0.00	0.00	0.08	0.00	0.02
Crit Volume:	0				576		0			124		
Crit Moves:	****				****		****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 143-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #141 Woodcreek Oaks & Baseline

Cycle (sec): 120 Critical Vol./Cap.(X): 0.910
Loss Time (sec): 9 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	0	0	0	1	1	0	2	0	1	0

Volume Module:

Base Vol:	45	0	190	199	0	294	109	1214	81	482	1139	241
Growth Adj:	1.00	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	190	199	0	294	109	1214	81	482	1139	241
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	190	199	0	294	109	1214	81	482	1139	241
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	0	190	199	0	294	109	1214	81	482	1139	241
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	190	199	0	294	109	1214	81	482	1139	241

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	0	1450	1450	0	1450	1450	2900	1450	1450	2900	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.13	0.14	0.00	0.20	0.08	0.42	0.06	0.33	0.39	0.17
Crit Volume:	45			294		607	482					
Crit Moves:	****			****		****	****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 144-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #142 Woodcreek Oaks & Canevari/Arsenault

Cycle (sec): 120 Critical Vol./Cap.(X): 0.690
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			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:	274	935	28	15	1310	48	22	2	99	22	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:	274	935	28	15	1310	48	22	2	99	22	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:	274	935	28	15	1310	48	22	2	99	22	1	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	274	935	28	15	1310	48	22	2	99	22	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:	274	935	28	15	1310	48	22	2	99	22	1	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	1.94	0.06	1.00	1.93	0.07	0.92	0.08	1.00	0.96	0.04	1.00
Final Sat.:	1450	2816	84	1450	2797	103	1329	121	1450	1387	63	1450

Capacity Analysis Module:

Vol/Sat:	0.19	0.33	0.33	0.01	0.47	0.47	0.02	0.02	0.07	0.02	0.02	0.01
Crit Volume:	274			679		24	23					
Crit Moves:	****			****		****	****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 145-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #143 Woodcreek Oaks & Horncastle

Cycle (sec): 100 Critical Vol./Cap.(X): 0.571
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			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	0	1	0

Volume Module:

Base Vol:	47	701	8	39	1302	79	71	0	30	15	3	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:	47	701	8	39	1302	79	71	0	30	15	3	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:	47	701	8	39	1302	79	71	0	30	15	3	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	701	8	39	1302	79	71	0	30	15	3	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:	47	701	8	39	1302	79	71	0	30	15	3	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	1.98	0.02	1.00	1.89	0.11	1.00	0.00	1.00	0.83	0.17	1.00
Final Sat.:	1450	2867	33	1450	2734	166	1450	0	1450	1208	242	1450

Capacity Analysis Module:

Vol/Sat:	0.03	0.24	0.24	0.03	0.48	0.48	0.05	0.00	0.02	0.01	0.01	0.01
Crit Volume:	47			691			71			19		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 146-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #144 Woodcreek Oaks & Mcanally

Cycle (sec): 120 Critical Vol./Cap.(X): 0.718
Loss Time (sec): 12 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			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	0	0	1	0

Volume Module:

Base Vol:	26	823	33	103	1228	63	31	11	24	77	13	431
Growth Adj:	1.00	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	823	33	103	1228	63	31	11	24	77	13	431
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	823	33	103	1228	63	31	11	24	77	13	431
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	823	33	103	1228	63	31	11	24	77	13	431
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	26	823	33	103	1228	63	31	11	24	77	13	431

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.92	0.08	1.00	1.90	0.10	0.74	0.26	1.00	1.71	0.29	1.00
Final Sat.:	1450	2788	112	1450	2758	142	1070	380	1450	2481	419	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.30	0.30	0.07	0.45	0.45	0.03	0.03	0.02	0.03	0.03	0.30
Crit Volume:	26			646			42			431		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 147-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #145 Woodcreek Oaks & Trailee

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	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 2 0 1	1 0 0 0 1	1 0 0 0 1

Volume Module:

Base Vol:	90	331	20	20	966	14	5	0	93	37	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:	90	331	20	20	966	14	5	0	93	37	0	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	90	331	20	20	966	14	5	0	93	37	0	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	331	20	20	966	14	5	0	93	37	0	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:	90	331	20	20	966	14	5	0	93	37	0	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	1.89	0.11	1.00	2.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Final Sat.:	1450	2735	165	1450	2900	1450	1450	0	1450	1450	0	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.12	0.12	0.01	0.33	0.01	0.00	0.00	0.06	0.03	0.00	0.01
Crit Volume:	90			483					93	37		
Crit Moves:	****			****					****	****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 148-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #146 SR 65 N/B Off & Blue Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.672
Loss Time (sec): 9 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:	Permitted	Permitted	Protected	Protected
Rights:	Ignore	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 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	83	0	459	0	0	0	0	1363	861	118	1933	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:	83	0	459	0	0	0	0	1363	861	118	1933	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	83	0	0	0	0	0	0	1363	0	118	1933	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	0	0	0	0	0	0	1363	0	118	1933	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
FinalVolume:	83	0	0	0	0	0	0	1363	0	118	1933	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:	2.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00
Final Sat.:	3000	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.08	0.64	0.00
Crit Volume:	42			0				0		966		
Crit Moves:	****							****		****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 149-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #147 Washington Blvd & Blue Oaks Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.695
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	Permitted
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	1 0 2 0 1	0 0 4 0 1	2 0 3 0 1

Volume Module:

Base Vol:	330	0	1114	72	573	538	0	767	194	614	1073	373
Growth Adj:	1.00	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	1114	72	573	538	0	767	194	614	1073	373
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:	330	0	1114	72	573	0	0	767	194	614	1073	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	330	0	1114	72	573	0	0	767	194	614	1073	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	1.10	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	330	0	1225	72	573	0	0	767	194	614	1073	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:	2.00	2.00	2.00	1.00	2.00	1.00	0.00	4.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3000	3000	1500	3000	1500	0	6000	1500	3000	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.11	0.00	0.41	0.05	0.19	0.00	0.00	0.13	0.13	0.20	0.24	0.00
Crit Volume:	613	72	0	358								
Crit Moves:	***	***	***	***								

FR25 PM Thu Sep 19, 2013 08:52:48 Page 150-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #148 I-80 WB Off & Douglas Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.799
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 72 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:	Permitted	Permitted	Permitted	Permitted
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

Volume Module:

Base Vol:	0	0	0	866	0	252	0	1395	554	0	1690	1148
Growth Adj:	1.00	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	866	0	252	0	1395	554	0	1690	1148
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	866	0	252	0	1395	0	0	1690	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	866	0	252	0	1395	0	0	1690	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	866	0	252	0	1395	0	0	1690	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	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	3200	0	1600	0	3200	1600	0	3200	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.27	0.00	0.16	0.00	0.44	0.00	0.00	0.53	0.00
Crit Volume:	0	433	0	845								
Crit Moves:	***	***	***	***								

FR25 PM Thu Sep 19, 2013 08:52:48 Page 151-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #149 I-80 WB On & Atlantic St

Cycle (sec): 120 Critical Vol./Cap.(X): 0.546
Loss Time (sec): 6 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			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	1	2

Volume Module:

Base Vol:	0	0	0	0	0	0	0	1147	511	615	937	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	1147	511	615	937	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	1147	511	615	937	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	0	1147	511	615	937	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	1147	511	615	937	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	0.00	0.00	0.00	0.00	3.00	1.00	2.00	2.00	0.00
Final Sat.:	0	0	0	0	0	0	0	4500	1500	3000	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.34	0.21	0.31	0.00
Crit Volume:	0			0					511	308		
Crit Moves:									****	****		

FR25 PM Thu Sep 19, 2013 08:52:48 Page 152-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #150 SR 65 N/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.765
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 61 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:	Permitted			Permitted			Protected			Protected		
Rights:	Ovl			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:	3	0	0	0	2	0	0	0	0	0	3	0

Volume Module:

Base Vol:	584	0	632	0	0	0	0	2398	601	0	2153	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:	584	0	632	0	0	0	0	2398	601	0	2153	400
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
PHF Volume:	584	0	632	0	0	0	0	2398	0	0	2153	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	584	0	632	0	0	0	0	2398	0	0	2153	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	1.10	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	584	0	695	0	0	0	0	2398	0	0	2153	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	0.00	3.00	1.00
Final Sat.:	4500	0	3000	0	0	0	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.13	0.00	0.23	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.48	0.00
Crit Volume:	348		0					799			0	
Crit Moves:	****							****			****	

FR25 PM Thu Sep 19, 2013 08:52:48 Page 153-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #151 SR 65 S/B Off & Pleasant Grove Blvd

Cycle (sec): 120 Critical Vol./Cap.(X): 0.717
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 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:	Permitted			Permitted			Protected			Protected		
Rights:	Include			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:	0	0	0	2	0	0	0	0	3	0	1	0

Volume Module:

Base Vol:	0	0	0	444	0	577	0	2562	285	0	2181	577
Growth Adj:	1.00	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	444	0	577	0	2562	285	0	2181	577
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	0	0	0	444	0	0	0	2562	0	0	2181	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	444	0	0	0	2562	0	0	2181	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	0	0	0	444	0	0	0	2562	0	0	2181	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	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3000	0	3000	0	4500	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.57	0.00	0.00	0.48	0.00
Crit Volume:	0	0	0	222	0	0	0	854	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 154-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #152 I-80 WB Off & Riverside Ave

Cycle (sec): 120 Critical Vol./Cap.(X): 0.629
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:	Permitted			Permitted			Protected			Protected		
Rights:	Ignore			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	3	0	1	0	0

Volume Module:

Base Vol:	0	1596	232	0	832	0	0	0	0	897	0	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	1596	232	0	832	0	0	0	0	897	0	412
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1596	0	0	832	0	0	0	0	897	0	412
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1596	0	0	832	0	0	0	0	897	0	412
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	1596	0	0	832	0	0	0	0	897	0	412

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	0.00	3.00	1.00	0.00	0.00	0.00	3.00	0.00	1.00
Final Sat.:	0	4500	1500	0	4500	1500	0	0	0	4500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.35	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.20	0.00	0.27
Crit Volume:	532	0	0	0	0	0	0	0	0	412	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 155-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #153 Stanford Ranch & Sr-65 N/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.867
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 108 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			Permitted			Permitted		
Rights:	Include			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	0	3	0	0	0	0	0	1

Volume Module:

Base Vol:	1359	1746	0	0	1864	260	0	0	392	0	0	937
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1359	1746	0	0	1864	260	0	0	392	0	0	937
User Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
PHF Volume:	1359	1746	0	0	1864	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1359	1746	0	0	1864	0	0	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	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
FinalVolume:	1359	1746	0	0	1864	0	0	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:	2.00	3.00	0.00	0.00	3.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	3000	4500	0	0	4500	1500	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.45	0.39	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	680			621			0			0		
Crit Moves:	****			****								

FR25 PM Thu Sep 19, 2013 08:52:48 Page 156-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #154 Stanford Ranch/Galleria & Sr-65 S/B On

Cycle (sec): 120 Critical Vol./Cap.(X): 0.832
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 86 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			Permitted			Permitted		
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:	0	0	3	0	1	2	0	0	0	0	0	1

Volume Module:

Base Vol:	0	2879	441	576	1591	0	0	0	635	0	0	199
Growth Adj:	1.00	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	2879	441	576	1591	0	0	0	635	0	0	199
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:	0	2879	0	576	1591	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	2879	0	576	1591	0	0	0	0	0	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:	0	2879	0	576	1591	0	0	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:	0.00	3.00	1.00	2.00	3.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
Final Sat.:	0	4500	1500	3000	4500	0	0	0	1500	0	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.64	0.00	0.19	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Volume:	960			288			0			0		
Crit Moves:	****			****								

FR25 PM Thu Sep 19, 2013 08:52:48 Page 157-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #155 Taylor & Eureka I-80 EB Off

Cycle (sec): 120 Critical Vol./Cap.(X): 0.962
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: 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 2 0 1 2 0 1 0 1 2 0 1 1 0 0 0 4 0 1

Volume Module:
Base Vol: 182 475 609 673 0 321 357 1497 306 0 2717 315
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 182 475 609 673 0 321 357 1497 306 0 2717 315
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: 182 475 0 673 0 321 357 1497 306 0 2717 315
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 182 475 0 673 0 321 357 1497 306 0 2717 315
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 1.10 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 182 475 0 673 0 353 357 1497 306 0 2717 315

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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 2.62 xxxx 1.38 2.00 1.66 0.34 0.00 4.00 1.00
Final Sat.: 1450 2900 1450 3804 0 1996 2900 2408 492 0 5800 1450

Capacity Analysis Module:
Vol/Sat: 0.13 0.16 0.00 0.18 0.00 0.18 0.12 0.62 0.62 0.00 0.47 0.22
Crit Volume: 238 257 902 0
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:48 Page 158-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #156 Fairway & Highland Park

Cycle (sec): 100 Critical Vol./Cap.(X): 0.561
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: 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 1 0 1 0 1 1 0

Volume Module:
Base Vol: 18 1 10 381 0 30 54 555 4 4 514 222
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: 18 1 10 381 0 30 54 555 4 4 514 222
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 18 1 10 381 0 30 54 555 4 4 514 222
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 18 1 10 381 0 30 54 555 4 4 514 222
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: 18 1 10 381 0 30 54 555 4 4 514 222

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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 1.40 0.60
Final Sat.: 1450 132 1318 1450 0 1450 1450 2879 21 1450 2025 875

Capacity Analysis Module:
Vol/Sat: 0.01 0.01 0.01 0.26 0.00 0.02 0.04 0.19 0.19 0.00 0.25 0.25
Crit Volume: 11 381 54 368
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 159-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #157 I-80 EB Off/Orlando & Riverside Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.911
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: Ignore 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 0 2 0 0 0 0 2 0 0 0 1

Volume Module:
Base Vol: 0 1471 94 93 1505 0 0 369 191 82 0 493
Growth Adj: 1.00 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 1471 94 93 1505 0 0 369 191 82 0 493
User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 1471 0 93 1505 0 0 369 191 82 0 493
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 1471 0 93 1505 0 0 369 191 82 0 493
PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 0 1471 0 93 1505 0 0 369 191 82 0 493

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 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 0.51 0.00 0.06 0.52 0.00 0.00 0.13 0.13 0.03 0.00 0.34
Crit Volume: 736 93 0 493
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 160-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #158 Roseville Rkwy & Old Auburn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.407
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: Permitted Permitted 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 0 0 0 0 0

Volume Module:
Base Vol: 19 0 272 0 0 0 0 575 61 274 178 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 0 272 0 0 0 0 575 61 274 178 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 0 272 0 0 0 0 575 61 274 178 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 19 0 272 0 0 0 0 575 61 274 178 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 0 272 0 0 0 0 575 61 274 178 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 1.81 0.19 1.00 2.00 0.00
Final Sat.: 1500 0 1500 0 0 0 0 2712 288 1500 3000 0

Capacity Analysis Module:
Vol/Sat: 0.01 0.00 0.18 0.00 0.00 0.00 0.00 0.21 0.21 0.18 0.06 0.00
Crit Volume: 19 0 318 274
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 161-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #159 Washington Blvd & Industrial

Cycle (sec): 100 Critical Vol./Cap.(X): 0.669
Loss Time (sec): 0 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	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:	1 0 2 0 0	0 0 2 0 1	1 0 0 0 1	0 0 0 0 0

Volume Module:

Base Vol:	93	517	0	0	1147	56	64	0	337	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:	93	517	0	0	1147	56	64	0	337	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:	93	517	0	0	1147	56	64	0	337	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	93	517	0	0	1147	56	64	0	337	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:	93	517	0	0	1147	56	64	0	337	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:	0.06	0.17	0.00	0.00	0.38	0.04	0.04	0.00	0.22	0.00	0.00	0.00
Crit Volume:	93				574				337	0		
Crit Moves:	****				****				****			

FR25 PM Thu Sep 19, 2013 08:52:49 Page 162-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #160 Foothills Blvd & HP Far South/ NEC

Cycle (sec): 100 Critical Vol./Cap.(X): 0.713
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 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	Permitted	Permitted
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	1 0 2 0 1	1 0 0 1 1	0 0 0 1 0

Volume Module:

Base Vol:	46	626	0	252	1478	72	63	9	510	0	4	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:	46	626	0	252	1478	72	63	9	510	0	4	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:	46	626	0	252	1478	72	63	9	510	0	4	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	626	0	252	1478	72	63	9	510	0	4	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	1.10	1.00	1.00	1.00
FinalVolume:	46	626	0	252	1478	72	63	9	561	0	4	100

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	1.00	2.00	1.00	1.00	0.03	1.97	0.00	0.04	0.96
Final Sat.:	1500	3000	0	1500	3000	1500	1500	47	2953	0	58	1442

Capacity Analysis Module:

Vol/Sat:	0.03	0.21	0.00	0.17	0.49	0.05	0.04	0.19	0.19	0.00	0.07	0.07
Crit Volume:	46				739			285		0		
Crit Moves:	****				****			****		****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 163-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #161 Blue Oaks Blvd & Wood Meadow

Cycle (sec): 100 Critical Vol./Cap.(X): 0.724
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:	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	1 0 1 0 1	1 0 4 0 1	1 0 4 0 1

Volume Module:

Base Vol:	0	0	163	0	0	0	0	1780	0	73	3694	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	163	0	0	0	0	1780	0	73	3694	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	163	0	0	0	0	1780	0	73	3694	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	163	0	0	0	0	1780	0	73	3694	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	163	0	0	0	0	1780	0	73	3694	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	1.00	1.00	1.00	1.00	1.00	1.00	4.00	1.00	1.00	4.00	1.00
Final Sat.:	1500	1500	1500	1500	1500	1500	6000	1500	1500	6000	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.30	0.00	0.05	0.62	0.00
Crit Volume:			163					0			924	
Crit Moves:			***					***			***	

FR25 PM Thu Sep 19, 2013 08:52:49 Page 164-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #162 Gibson Rd & New Convention Center Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.688
Loss Time (sec): 0 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	Permitted	Permitted
Rights:	Ignore	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 0 2 0 0	0 0 0 0 0	1 0 1! 0 0

Volume Module:

Base Vol:	0	254	605	133	324	0	0	0	0	1100	0	443
Growth Adj:	1.00	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	254	605	133	324	0	0	0	0	1100	0	443
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	254	0	133	324	0	0	0	0	1100	0	443
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	254	0	133	324	0	0	0	0	1100	0	443
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	254	0	133	324	0	0	0	0	1100	0	443

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	2.00	0.00	0.00	0.00	0.00	1.43	0.00	0.57
Final Sat.:	0	3000	1500	1500	3000	0	0	0	0	2139	0	861

Capacity Analysis Module:

Vol/Sat:	0.00	0.08	0.00	0.09	0.11	0.00	0.00	0.00	0.00	0.51	0.00	0.51
Crit Volume:				127	133					772		
Crit Moves:				***	***					***		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 165-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #163 Blue Oaks Blvd & Westbrook Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.570
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:	Ignore	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 2	0 0 0 0 0	0 0 1 0 1	2 0 1 0 0

Volume Module:

Base Vol:	157	0	738	0	0	0	0	89	66	1217	220	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:	157	0	738	0	0	0	0	89	66	1217	220	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:	157	0	0	0	0	0	0	89	66	1217	220	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	157	0	0	0	0	0	0	89	66	1217	220	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:	157	0	0	0	0	0	0	89	66	1217	220	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	2.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	1.00	0.00
Final Sat.:	1500	0	3000	0	0	0	0	1500	1500	3000	1500	0

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.41	0.15	0.00
Crit Volume:	157			0			89		609		
Crit Moves:	****						****		****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 166-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #164 Blue Oaks Blvd & Hayden Pkwy

Cycle (sec): 100 Critical Vol./Cap.(X): 0.660
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	Ovl
Min. Green:	0 0 0	0 0 0	0 0 0	0 0 0
Y+R:	4.0 4.0 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 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	64	107	68	144	80	124	249	684	45	114	1371	309
Growth Adj:	1.00	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	107	68	144	80	124	249	684	45	114	1371	309
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	64	107	68	144	80	124	249	684	45	114	1371	309
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	64	107	68	144	80	124	249	684	45	114	1371	309
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	64	107	68	144	80	124	249	684	45	114	1371	309

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	3.00	1.00	1.00	3.00	1.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	4350	1450	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.07	0.05	0.10	0.06	0.09	0.17	0.16	0.03	0.08	0.32	0.21
Crit Volume:	107			144			249			457		
Crit Moves:	****			****			****			****		

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak HourLevel Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #165 Fiddymment Rd & Westhills Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.911
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 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 3 0 1 1 0 3 0 1 2 0 0 0 1 1 0 0 0 1

Volume Module:
Base Vol: 46 1603 24 203 1213 984 341 0 14 3 0 494
Growth Adj: 1.00 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 1603 24 203 1213 984 341 0 14 3 0 494
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 1603 24 203 1213 984 341 0 14 3 0 494
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 46 1603 24 203 1213 984 341 0 14 3 0 494
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 46 1603 24 203 1213 984 341 0 14 3 0 494

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 1.00 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 2.00 0.00 1.00 1.00 0.00 1.00
Final Sat.: 1450 4350 1450 1450 4350 1450 2900 0 1450 1450 0 1450

Capacity Analysis Module:
Vol/Sat: 0.03 0.37 0.02 0.14 0.28 0.68 0.12 0.00 0.01 0.00 0.00 0.34
Crit Volume: 46 984 0 494
Crit Moves: ****

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak HourLevel Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #166 Pleasant Grove Blvd & Westbrook Blvd

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 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 3 0 1 2 0 3 0 1 2 0 2 0 1

Volume Module:
Base Vol: 18 738 36 203 778 591 334 419 9 48 690 291
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 18 738 36 203 778 591 334 419 9 48 690 291
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 18 738 36 203 778 591 334 419 9 48 690 291
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 18 738 36 203 778 591 334 419 9 48 690 291
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: 18 738 36 203 778 591 334 419 9 48 690 291

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 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 2.00 2.00 1.00
Final Sat.: 2900 2900 1450 2900 4350 1450 2900 4350 1450 2900 2900 1450

Capacity Analysis Module:
Vol/Sat: 0.01 0.25 0.02 0.07 0.18 0.41 0.12 0.10 0.01 0.02 0.24 0.20
Crit Volume: 369 102 167 345
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 169-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #167 Fiddymment Rd & Westlake Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.401
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	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 0 3 0 1	1 0 3 0 0	0 0 0 0 0	0 0 1 0 0

Volume Module:

Base Vol:	0 1648 61	10 1193 0	0 0 0	32 0 10
Growth Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
Initial Bse:	0 1648 61	10 1193 0	0 0 0	32 0 10
User Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Adj:	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00	1.00 1.00 1.00
PHF Volume:	0 1648 61	10 1193 0	0 0 0	32 0 10
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	0 1648 61	10 1193 0	0 0 0	32 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
FinalVolume:	0 1648 61	10 1193 0	0 0 0	32 0 10

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	0.76 0.00 0.24
Final Sat.:	0 4500 1500	1500 4500 0	0 0 0	1143 0 357

Capacity Analysis Module:

Vol/Sat:	0.00 0.37 0.04	0.01 0.27 0.00	0.00 0.00 0.00	0.03 0.00 0.03
Crit Volume:	549	10	0	42
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 170-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #168 Woodcreek Oaks Blvd & Northpark Dr

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	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 0 1	1 0 2 0 1	0 1 0 0 1	0 1 0 0 1

Volume Module:

Base Vol:	363 0 168	0 0 0	0 12 80	67 9 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:	363 0 168	0 0 0	0 12 80	67 9 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:	363 0 168	0 0 0	0 12 80	67 9 0
Reduct Vol:	0 0 0	0 0 0	0 0 0	0 0 0
Reduced Vol:	363 0 168	0 0 0	0 12 80	67 9 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:	363 0 168	0 0 0	0 12 80	67 9 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	0.00 1.00 1.00	0.88 0.12 1.00
Final Sat.:	1500 3000 1500	1500 3000 1500	0 1500 1500	1322 178 1500

Capacity Analysis Module:

Vol/Sat:	0.24 0.00 0.11	0.00 0.00 0.00	0.00 0.01 0.05	0.05 0.05 0.00
Crit Volume:	363	0	80	76
Crit Moves:	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 171-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #169 Woodcreek Oaks Blvd & Parkside Wy

Cycle (sec): 100 Critical Vol./Cap.(X): 0.455
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:	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	0	1	0	0	1	0	0	1	0

Volume Module:

Base Vol:	87	174	59	4	130	13	8	16	137	16	355	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:	87	174	59	4	130	13	8	16	137	16	355	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:	87	174	59	4	130	13	8	16	137	16	355	348
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	174	59	4	130	13	8	16	137	16	355	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:	87	174	59	4	130	13	8	16	137	16	355	348

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.33	0.67	1.00	0.04	0.96	1.00
Final Sat.:	1450	2900	1450	1450	2900	1450	483	967	1450	63	1387	1450

Capacity Analysis Module:

Vol/Sat:	0.06	0.06	0.04	0.00	0.04	0.01	0.02	0.02	0.09	0.26	0.26	0.24
Crit Volume:	87			65			137		371			
Crit Moves:	****			****			****		****			

FR25 PM Thu Sep 19, 2013 08:52:49 Page 172-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #170 Industrial Ave & Alantown Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.827
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 108 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			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	0	1	0	1	0	0	0	0	0	1	0

Volume Module:

Base Vol:	0	450	36	376	919	0	0	0	0	131	0	322
Growth Adj:	1.00	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	450	36	376	919	0	0	0	0	131	0	322
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	450	36	376	919	0	0	0	0	131	0	322
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	450	36	376	919	0	0	0	0	131	0	322
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	450	36	376	919	0	0	0	0	131	0	322

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	0.30	0.02	0.25	0.61	0.00	0.00	0.00	0.00	0.09	0.00	0.21
Crit Volume:	0			919			0			322		
Crit Moves:	****			****						****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 173-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #171 Roseville Pkwy & Gibson West

Cycle (sec): 100 Critical Vol./Cap.(X): 0.852
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 154 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	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	1 0 0 0 1	1 0 3 0 0	1 0 3 0 1

Volume Module:

Base Vol:	0	0	0	76	0	909	470	2214	0	0	2196	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:	0	0	0	76	0	909	470	2214	0	0	2196	98
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	0	0	76	0	0	470	2214	0	0	2196	98
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	76	0	0	470	2214	0	0	2196	98
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	0	0	76	0	0	470	2214	0	0	2196	98

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	1.00	3.00	1.00
Final Sat.:	0	0	0	1500	0	1500	1500	4500	0	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.00	0.31	0.49	0.00	0.00	0.49	0.07
Crit Volume:	0	0	0	76	0	0	470	732	0	0	732	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 174-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #172 Washington Blvd & All America

Cycle (sec): 100 Critical Vol./Cap.(X): 0.563
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	Split Phase	Split Phase
Rights:	Include	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 2 0 1	1 0 1 1 0	1 0 0 1 0	0 1 0 0 1

Volume Module:

Base Vol:	74	1438	0	35	1137	120	60	1	51	0	3	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:	74	1438	0	35	1137	120	60	1	51	0	3	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	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:	74	1438	0	35	1137	120	60	1	51	0	3	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	1438	0	35	1137	120	60	1	51	0	3	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:	74	1438	0	35	1137	120	60	1	51	0	3	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	1.81	0.19	1.00	0.02	0.98	0.00	1.00	1.00
Final Sat.:	1450	2900	1450	1450	2623	277	1450	28	1422	0	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.50	0.00	0.02	0.43	0.43	0.04	0.04	0.04	0.00	0.00	0.00
Crit Volume:	719	35	0	60	3	0	0	0	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 175-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #173 Cirby & Cottonwood

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:	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 1 0 0 1	1 0 0 0 0	1 0 1 1 0	1 0 1 1 0

Volume Module:

Base Vol:	25	1	30	44	0	0	0	951	16	18	1063	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:	25	1	30	44	0	0	0	951	16	18	1063	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:	25	1	30	44	0	0	0	951	16	18	1063	65
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	1	30	44	0	0	0	951	16	18	1063	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:	25	1	30	44	0	0	0	951	16	18	1063	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:	0.96	0.04	1.00	1.00	0.00	0.00	1.00	1.97	0.03	1.00	1.88	0.12
Final Sat.:	1394	56	1450	1450	0	0	1450	2852	48	1450	2733	167

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.02	0.03	0.00	0.00	0.00	0.33	0.33	0.01	0.39	0.39
Crit Volume:	30	44						0		564		
Crit Moves:	***	***					***			***		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 176-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #174 Secret Ravine & Alexandra

Cycle (sec): 100 Critical Vol./Cap.(X): 0.205
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:	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	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	6	0	52	0	0	0	0	408	2	51	254	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:	6	0	52	0	0	0	0	408	2	51	254	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:	6	0	52	0	0	0	0	408	2	51	254	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	0	52	0	0	0	0	408	2	51	254	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:	6	0	52	0	0	0	0	408	2	51	254	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	1.00	1.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	0.00
Final Sat.:	1500	1500	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.14	0.00	0.03	0.08	0.00
Crit Volume:	52	0						204		51		
Crit Moves:	***							***		***		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 177-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #175 Fiddymment Rd & Fiddymment Ranch EW Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.731
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			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	0	0	2	0	0	2	0	0	2

Volume Module:

Base Vol:	433	950	0	0	1098	46	21	0	114	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:	433	950	0	0	1098	46	21	0	114	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:	433	950	0	0	1098	46	21	0	114	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	433	950	0	0	1098	46	21	0	114	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:	433	950	0	0	1098	46	21	0	114	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:	0.29	0.32	0.00	0.00	0.37	0.03	0.01	0.00	0.08	0.00	0.00	0.00
Crit Volume:	433			549			114		0			
Crit Moves:	****			****			****					

FR25 PM Thu Sep 19, 2013 08:52:49 Page 178-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #176 Douglas Bl & I-80 EB On

Cycle (sec): 100 Critical Vol./Cap.(X): 0.735
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:	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	4	0	0	3

Volume Module:

Base Vol:	0	0	0	0	0	0	240	2340	0	0	2807	178
Growth Adj:	1.00	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	240	2340	0	0	2807	178
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	240	2340	0	0	2807	178
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	240	2340	0	0	2807	178
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	0	240	2340	0	0	2807	178

Saturation Flow Module:

Sat/Lane:	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	1.00	4.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	0	0	0	1600	6400	0	0	4800	1600

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.37	0.00	0.00	0.58	0.11
Crit Volume:	0			0			240			936		
Crit Moves:							****			****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 179-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #177 Santucci Blvd & Pleasant Grove Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.571
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:	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 2 0 1	1 0 2 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	793	110	13	30	27	0	0	488	494	174	795	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:	793	110	13	30	27	0	0	488	494	174	795	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:	793	110	13	30	27	0	0	488	0	174	795	115
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	793	110	13	30	27	0	0	488	0	174	795	115
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:	793	110	13	30	27	0	0	488	0	174	795	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	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:	0.27	0.04	0.01	0.02	0.01	0.00	0.00	0.17	0.00	0.12	0.27	0.08
Crit Volume:	397			13				244		174		
Crit Moves:	****			****				****		****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 180-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #178 Santucci Blvd & Federico Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.397
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	64	1115	231	28	767	10	6	16	26	150	42	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:	64	1115	231	28	767	10	6	16	26	150	42	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:	64	1115	231	28	767	10	6	16	26	150	42	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	64	1115	231	28	767	10	6	16	26	150	42	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:	64	1115	231	28	767	10	6	16	26	150	42	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.04	0.26	0.16	0.02	0.18	0.01	0.00	0.01	0.02	0.10	0.03	0.01
Crit Volume:	372			28					26	150		
Crit Moves:	****			****					****	****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 181-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #179 Santucci Blvd & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.396
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	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 3 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	23	1376	57	57	893	8	4	3	9	49	7	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:	23	1376	57	57	893	8	4	3	9	49	7	56
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	1376	57	57	893	8	4	3	9	49	7	56
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	1376	57	57	893	8	4	3	9	49	7	56
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	23	1376	57	57	893	8	4	3	9	49	7	56

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	0.32	0.04	0.04	0.21	0.01	0.00	0.00	0.01	0.03	0.00	0.04
Crit Volume:	459	57							9	49		
Crit Moves:	****	****							****	****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 182-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #180 Watt Ave & Baseline Rd

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:	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:	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1	2 0 3 0 1

Volume Module:

Base Vol:	144	920	407	102	617	220	472	1652	13	463	1619	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:	144	920	407	102	617	220	472	1652	13	463	1619	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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	144	920	407	102	617	220	472	1652	13	463	1619	165
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	144	920	407	102	617	220	472	1652	13	463	1619	165
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	144	920	407	102	617	220	472	1652	13	463	1619	165

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	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	0.21	0.28	0.04	0.14	0.15	0.16	0.38	0.01	0.16	0.37	0.11
Crit Volume:	307	51					551	232				
Crit Moves:	****	****					****	****				

FR25 PM Thu Sep 19, 2013 08:52:49 Page 183-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #181 Westbrook Blvd & Federico Dr

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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	70	853	229	1	686	72	35	42	35	161	94	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:	70	853	229	1	686	72	35	42	35	161	94	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:	70	853	229	1	686	72	35	42	35	161	94	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	853	229	1	686	72	35	42	35	161	94	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:	70	853	229	1	686	72	35	42	35	161	94	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	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.20	0.16	0.00	0.16	0.05	0.02	0.03	0.02	0.11	0.06	0.00
Crit Volume:	70		229		42					161		
Crit Moves:	****		****		****					****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 184-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #182 Westbrook Blvd & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.711
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	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 3 0 1	1 0 3 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	44	1221	226	45	837	32	16	65	7	546	120	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:	44	1221	226	45	837	32	16	65	7	546	120	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:	44	1221	226	45	837	32	16	65	7	546	120	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	1221	226	45	837	32	16	65	7	546	120	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:	44	1221	226	45	837	32	16	65	7	546	120	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:	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:	0.03	0.28	0.16	0.03	0.19	0.02	0.01	0.02	0.00	0.38	0.04	0.02
Crit Volume:	407		45		33					546		
Crit Moves:	****		****		****					****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 185-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #183 Westbrook Blvd & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.762
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 96 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 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: 22 670 398 146 649 553 537 1502 36 617 1377 266
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 22 670 398 146 649 553 537 1502 36 617 1377 266
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 22 670 398 146 649 553 537 1502 36 617 1377 266
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 22 670 398 146 649 553 537 1502 36 617 1377 266
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 22 670 398 146 649 553 537 1502 36 617 1377 266

Saturation Flow Module:
Sat/Lane: 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450 1450
Adjustment: 1.00 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: 0.01 0.15 0.27 0.05 0.15 0.38 0.19 0.35 0.02 0.21 0.32 0.18
Crit Volume: 11 553 501 309
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 186-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #184 Market St & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.388
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 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 1 0 1 0 1 1 0 2 0 1

Volume Module:
Base Vol: 61 67 12 3 49 39 68 243 45 40 769 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: 61 67 12 3 49 39 68 243 45 40 769 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: 61 67 12 3 49 39 68 243 45 40 769 4
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 61 67 12 3 49 39 68 243 45 40 769 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: 61 67 12 3 49 39 68 243 45 40 769 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 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 2900 1450 1450 2900 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.04 0.05 0.01 0.00 0.03 0.03 0.05 0.08 0.03 0.03 0.27 0.00
Crit Volume: 61 49 68 385
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 187-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #185 Market St & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.625
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	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	104	95	11	104	67	23	23	1917	105	31	2054	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:	104	95	11	104	67	23	23	1917	105	31	2054	207
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	104	95	11	104	67	23	23	1917	105	31	2054	207
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	104	95	11	104	67	23	23	1917	105	31	2054	207
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	104	95	11	104	67	23	23	1917	105	31	2054	207

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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:	0.07	0.07	0.01	0.07	0.05	0.02	0.02	0.44	0.07	0.02	0.47	0.14
Crit Volume:	95	104		23			685					
Crit Moves:	****	****		****			****					

FR25 PM Thu Sep 19, 2013 08:52:49 Page 188-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #186 Pleasant Grove Blvd & Upland Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.546
Loss Time (sec): 0 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:	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 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	88	0	46	0	0	0	0	849	82	106	1462	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	0	46	0	0	0	0	849	82	106	1462	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	0	46	0	0	0	0	849	82	106	1462	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	0	46	0	0	0	0	849	82	106	1462	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:	88	0	46	0	0	0	0	849	82	106	1462	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:	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.28	0.05	0.07	0.49	0.00
Crit Volume:	88			0			0			731		
Crit Moves:	****						****			****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 189-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #187 Upland Dr & Vista Glen Blvd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.425
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:	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	71	117	87	4	73	40	41	247	48	79	862	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:	71	117	87	4	73	40	41	247	48	79	862	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:	71	117	87	4	73	40	41	247	48	79	862	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	71	117	87	4	73	40	41	247	48	79	862	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:	71	117	87	4	73	40	41	247	48	79	862	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	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.08	0.06	0.00	0.05	0.03	0.03	0.09	0.03	0.05	0.30	0.00
Crit Volume:	71			73			41			431		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 190-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #188 Upland Dr & Baseline Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.579
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:	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	46	0	11	89	1615	0	0	2202	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	46	0	11	89	1615	0	0	2202	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	46	0	11	89	1615	0	0	2202	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	46	0	11	89	1615	0	0	2202	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	46	0	11	89	1615	0	0	2202	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	0.03	0.00	0.01	0.06	0.36	0.00	0.00	0.49	0.06
Crit Volume:	0			46			89			734		
Crit Moves:				****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 191-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #189 Baseline Rd & CMU3 Entrance

Cycle (sec): 100 Critical Vol./Cap.(X): 0.564
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:	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	1 0 1 0 1	1 0 3 0 1	1 0 3 0 1

Volume Module:

Base Vol:	0	21	6	139	11	7	17	1755	83	73	1835	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:	0	21	6	139	11	7	17	1755	83	73	1835	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:	0	21	6	139	11	7	17	1755	83	73	1835	45
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	21	6	139	11	7	17	1755	83	73	1835	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:	0	21	6	139	11	7	17	1755	83	73	1835	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	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	4350	1450	1450	4350	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.01	0.00	0.10	0.01	0.00	0.01	0.40	0.06	0.05	0.42	0.03
Crit Volume:	21	139		585			73					
Crit Moves:	****	****		****			****					

FR25 PM Thu Sep 19, 2013 08:52:49 Page 192-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #190 Westbrook Blvd & Sierra Village 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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	76	1293	196	9	1275	106	188	29	18	54	14	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:	76	1293	196	9	1275	106	188	29	18	54	14	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:	76	1293	196	9	1275	106	188	29	18	54	14	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	1293	196	9	1275	106	188	29	18	54	14	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:	76	1293	196	9	1275	106	188	29	18	54	14	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.30	0.14	0.01	0.29	0.07	0.13	0.02	0.01	0.04	0.01	0.01
Crit Volume:	76	425		188			14					
Crit Moves:	****	****		****			****					

FR25 PM Thu Sep 19, 2013 08:52:49 Page 193-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #191 Vista Glen Blvd & Road 2A

Cycle (sec): 100 Critical Vol./Cap.(X): 0.248
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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	18	0	1	0	2	0	2	341	0	27	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:	18	0	1	0	2	0	2	341	0	27	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:	18	0	1	0	2	0	2	341	0	27	676	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	0	1	0	2	0	2	341	0	27	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:	18	0	1	0	2	0	2	341	0	27	676	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	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.02	0.23	0.00	
Crit Volume:	18			2		2				338		
Crit Moves:	****			****		****				****		

FR25 PM Thu Sep 19, 2013 08:52:49 Page 194-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #192 Vista Glen Blvd & SV NS Coll 5

Cycle (sec): 100 Critical Vol./Cap.(X): 0.344
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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	13	0	37	0	1	5	2	298	18	55	919	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	13	0	37	0	1	5	2	298	18	55	919	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	13	0	37	0	1	5	2	298	18	55	919	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	0	37	0	1	5	2	298	18	55	919	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:	13	0	37	0	1	5	2	298	18	55	919	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	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1450	1450	1450	1450	1450	1450	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.10	0.01	0.04	0.32	0.00
Crit Volume:			37	0			2				460	
Crit Moves:	****		****			****				****		

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak HourLevel Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #193 Santucci Blvd & SV CC5 CC6

Cycle (sec): 100 Critical Vol./Cap.(X): 0.331
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 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 3 0 1 1 0 3 0 1 1 0 1 0 1

Volume Module:
Base Vol: 0 1404 30 7 937 0 0 0 0 21 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 1404 30 7 937 0 0 0 0 21 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 1404 30 7 937 0 0 0 0 21 0 6
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 1404 30 7 937 0 0 0 0 21 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 1404 30 7 937 0 0 0 0 21 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: 1.00 3.00 1.00 1.00 3.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1500 4500 1500 1500 4500 1500 1500 1500 1500 1500 1500 1500

Capacity Analysis Module:
Vol/Sat: 0.00 0.31 0.02 0.00 0.21 0.00 0.00 0.00 0.00 0.01 0.00 0.00
Crit Volume: 468 7 0 21
Crit Moves: ****

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak HourLevel Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #194 Santucci Blvd & Sierra Village Dr

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: 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 3 0 1 1 0 3 0 1 1 0 1 0 1

Volume Module:
Base Vol: 101 1352 103 47 854 50 23 7 40 45 15 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: 101 1352 103 47 854 50 23 7 40 45 15 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: 101 1352 103 47 854 50 23 7 40 45 15 81
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 101 1352 103 47 854 50 23 7 40 45 15 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: 101 1352 103 47 854 50 23 7 40 45 15 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 3.00 1.00 1.00 3.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1450 4350 1450 1450 4350 1450 1450 1450 1450 1450 1450 1450

Capacity Analysis Module:
Vol/Sat: 0.07 0.31 0.07 0.03 0.20 0.03 0.02 0.00 0.03 0.03 0.01 0.06
Crit Volume: 451 47 23 81
Crit Moves: ****

FR25 PM Thu Sep 19, 2013 08:52:49 Page 197-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #195 Vista Glen Blvd & Road 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.054
Loss Time (sec): 0 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	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	1 0 1 0 1	1 0 2 0 1	1 0 2 0 1

Volume Module:

Base Vol:	4	1	3	10	3	0	1	81	7	1	129	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:	4	1	3	10	3	0	1	81	7	1	129	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:	4	1	3	10	3	0	1	81	7	1	129	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	1	3	10	3	0	1	81	7	1	129	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:	4	1	3	10	3	0	1	81	7	1	129	36

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	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	2900	1450	1450	2900	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.04	0.02
Crit Volume:			3	10				1			65	
Crit Moves:	***	***			***				***			

FR25 PM Thu Sep 19, 2013 08:52:49 Page 198-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #196 Westbrook Blvd & Sierra Glen Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.277
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:	0 0 3 0 1	1 0 3 0 0	0 0 0 0 0	1 0 0 0 1

Volume Module:

Base Vol:	0	1137	79	0	882	0	0	0	0	37	0	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1137	79	0	882	0	0	0	0	37	0	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	1137	79	0	882	0	0	0	0	37	0	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1137	79	0	882	0	0	0	0	37	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
FinalVolume:	0	1137	79	0	882	0	0	0	0	37	0	10

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	1.00	0.00	1.00
Final Sat.:	0	4500	1500	1500	4500	0	0	0	0	1500	0	1500

Capacity Analysis Module:

Vol/Sat:	0.00	0.25	0.05	0.00	0.20	0.00	0.00	0.00	0.00	0.02	0.00	0.01
Crit Volume:			379		0			0		37		
Crit Moves:	***			***					***			

FR25 PM Thu Sep 19, 2013 08:52:49 Page 199-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #197 Baseline Rd & SV CC2

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:	Include	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	1 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	129	0	388	216	1569	0	0	1932	92
Growth Adj:	1.00	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	129	0	388	216	1569	0	0	1932	92
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	0	0	129	0	0	216	1569	0	0	1932	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	129	0	0	216	1569	0	0	1932	92
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	0	0	129	0	0	216	1569	0	0	1932	92

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	0.00	0.14	0.35	0.00	0.00	0.43	0.06
Crit Volume:	0	0	0	129	0	0	216	0	0	0	644	0
Crit Moves:				****			****				****	

FR25 PM Thu Sep 19, 2013 08:52:49 Page 200-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #198 Baseline Rd & SV CCBP2

Cycle (sec): 100 Critical Vol./Cap.(X): 0.592
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:	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	0	0	165	0	1669	0	0	2167	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:	0	0	0	0	0	165	0	1669	0	0	2167	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:	0	0	0	0	0	165	0	1669	0	0	2167	86
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	165	0	1669	0	0	2167	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:	0	0	0	0	0	165	0	1669	0	0	2167	86

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	0.00	0.00	0.11	0.00	0.37	0.00	0.00	0.48	0.06
Crit Volume:	0	0	0	0	0	165	0	0	0	0	722	0
Crit Moves:						****	****				****	

FR25 PM Thu Sep 19, 2013 08:52:49 Page 201-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #199 Baseline Rd & SV CC4

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:	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 0 0 0 1	1 0 3 0 0	0 0 3 0 1

Volume Module:

Base Vol:	0	0	0	205	0	274	157	1499	0	0	2090	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:	0	0	0	205	0	274	157	1499	0	0	2090	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	1.00
PHF Adj:	1.00	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	205	0	274	157	1499	0	0	2090	123
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	205	0	274	157	1499	0	0	2090	123
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	205	0	274	157	1499	0	0	2090	123

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	0.18	0.10	0.33	0.00	0.00	0.46	0.08
Crit Volume:	0			274		157					697	
Crit Moves:				****		****					****	

FR25 PM Thu Sep 19, 2013 08:52:49 Page 202-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #200 Westbrook Blvd & Parkway One

Cycle (sec): 100 Critical Vol./Cap.(X): 0.237
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	222	50	76	0	28	8	4	1	84	29	1	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:	222	50	76	0	28	8	4	1	84	29	1	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:	222	50	76	0	28	8	4	1	84	29	1	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	222	50	76	0	28	8	4	1	84	29	1	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:	222	50	76	0	28	8	4	1	84	29	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	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.15	0.01	0.05	0.00	0.01	0.01	0.00	0.00	0.06	0.02	0.00	0.00
Crit Volume:	222				9				84			
Crit Moves:	****				****				****		****	

FR25 PM Thu Sep 19, 2013 08:52:49 Page 203-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #201 Westbrook Blvd & Nobo Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.131
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	3	0	1	1	1	0	1	0	1	1

Volume Module:

Base Vol:	113	323	0	0	125	5	4	0	42	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:	113	323	0	0	125	5	4	0	42	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:	113	323	0	0	125	5	4	0	42	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	113	323	0	0	125	5	4	0	42	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:	113	323	0	0	125	5	4	0	42	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1500	4500	1500	1500	4500	1500	1500	1500	1500	1500	1500	1500

Capacity Analysis Module:

Vol/Sat:	0.08	0.07	0.00	0.00	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Crit Volume:	113			42			42		0			
Crit Moves:	****			****			****					

FR25 PM Thu Sep 19, 2013 08:52:49 Page 204-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #202 Blue Oaks Blvd & Nobo Dr

Cycle (sec): 100 Critical Vol./Cap.(X): 0.458
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			Permitted			Permitted			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	0	1	0	3

Volume Module:

Base Vol:	0	0	0	175	0	205	95	799	0	0	1445	118
Growth Adj:	1.00	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	175	0	205	95	799	0	0	1445	118
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	175	0	205	95	799	0	0	1445	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	175	0	205	95	799	0	0	1445	118
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	175	0	205	95	799	0	0	1445	118

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	0.14	0.06	0.18	0.00	0.00	0.32	0.08
Crit Volume:	0			205		266	482					
Crit Moves:				****			****					

FR25 PM Thu Sep 19, 2013 08:52:49 Page 205-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #203 Santucci Blvd & Road E

Cycle (sec): 100 Critical Vol./Cap.(X): 0.406
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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	22	843	273	92	589	14	21	7	35	181	4	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:	22	843	273	92	589	14	21	7	35	181	4	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:	22	843	273	92	589	14	21	7	35	181	4	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	843	273	92	589	14	21	7	35	181	4	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:	22	843	273	92	589	14	21	7	35	181	4	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:	1.00	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.02	0.19	0.19	0.06	0.14	0.01	0.01	0.00	0.02	0.12	0.00	0.04
Crit Volume:	281	92		35	181							
Crit Moves:	****	****		****	****							

FR25 PM Thu Sep 19, 2013 08:52:50 Page 206-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #204 Westbrook Blvd & Road E

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	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 3 0 1	1 0 3 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	76	735	77	56	698	82	28	20	31	31	13	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:	76	735	77	56	698	82	28	20	31	31	13	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:	76	735	77	56	698	82	28	20	31	31	13	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	735	77	56	698	82	28	20	31	31	13	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	735	77	56	698	82	28	20	31	31	13	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	3.00	1.00	1.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1450	4350	1450	1450	4350	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.05	0.17	0.05	0.04	0.16	0.06	0.02	0.01	0.02	0.02	0.01	0.02
Crit Volume:	76	233		31	31							
Crit Moves:	****	****		****	****							

FR25 PM Thu Sep 19, 2013 08:52:50 Page 207-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #205 Pleasant Grove Blvd & Road 1

Cycle (sec): 100 Critical Vol./Cap.(X): 0.397
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	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 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	99	0	57	0	0	0	608	9	124	992	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
Initial Bse:	99	0	57	0	0	0	608	9	124	992	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	99	0	57	0	0	0	608	9	124	992	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	99	0	57	0	0	0	608	9	124	992	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
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	99	0	57	0	0	0	608	9	124	992	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	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.20	0.01	0.08	0.33
Crit Volume:	99			0			0			496	
Crit Moves:	****						****			****	

FR25 PM Thu Sep 19, 2013 08:52:50 Page 208-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #1001 Riverside Av & Darling Wy

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
Control:	Protected	Protected	Split Phase	Split Phase
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 1 0 1	1 0 1 1 0	0 1 0 0 1	0 0 1 0 0

Volume Module:

Base Vol:	34	577	215	5	891	1	30	14	68	231	41	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:	34	577	215	5	891	1	30	14	68	231	41	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:	34	577	215	5	891	1	30	14	68	231	41	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	577	215	5	891	1	30	14	68	231	41	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:	34	577	215	5	891	1	30	14	68	231	41	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	1.00	1.00	1.00	1.99	0.01	0.68	0.32	1.00	0.78	0.14	0.08
Final Sat.:	1450	1450	1450	1450	2897	3	989	461	1450	1132	201	118

Capacity Analysis Module:

Vol/Sat:	0.02	0.40	0.15	0.00	0.31	0.31	0.03	0.03	0.05	0.20	0.20	0.20
Crit Volume:	577		5				44			296		
Crit Moves:	****		****				****			****		

FR25 PM Thu Sep 19, 2013 08:52:50 Page 209-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #1002 Vernon & Douglas/Riverside

Cycle (sec): 120 Critical Vol./Cap.(X): 0.659
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			Permitted			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	1	1	0	1

Volume Module:

Base Vol:	0	282	249	0	370	400	237	245	2	371	353	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	282	249	0	370	400	237	245	2	371	353	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	282	249	0	370	400	237	245	2	371	353	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	282	249	0	370	400	237	245	2	371	353	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	282	249	0	370	400	237	245	2	371	353	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	1.00	1.00	0.00	1.00	1.00	1.00	0.99	0.01	1.00	1.97	0.03
Final Sat.:	0	1500	1500	0	1500	1500	1500	1488	12	1500	2950	50

Capacity Analysis Module:

Vol/Sat:	0.00	0.19	0.17	0.00	0.25	0.27	0.16	0.16	0.16	0.25	0.12	0.12
Crit Volume:	0			370			247			371		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:50 Page 210-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #1003 Vernon & Grant

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:	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:	176	59	100	12	54	24	23	553	124	67	527	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:	176	59	100	12	54	24	23	553	124	67	527	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:	176	59	100	12	54	24	23	553	124	67	527	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	176	59	100	12	54	24	23	553	124	67	527	38
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	176	59	100	12	54	24	46	553	124	134	527	38

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	0.60	0.27	0.04	0.96	1.00	0.11	0.89	1.00
Final Sat.:	1198	402	1600	213	960	427	64	1536	1600	180	1420	1600

Capacity Analysis Module:

Vol/Sat:	0.15	0.15	0.06	0.06	0.06	0.06	0.36	0.36	0.08	0.37	0.37	0.02
Crit Volume:	176			90			576			67		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:50 Page 211-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #1004 Vernon & Judah

Cycle (sec): 120 Critical Vol./Cap.(X): 0.603
Loss Time (sec): 6 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 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			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:	1	0	0	1	0	0	1	0	0	1	0	0

Volume Module:

Base Vol:	11	51	51	117	85	92	52	527	14	47	637	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:	11	51	51	117	85	92	52	527	14	47	637	56
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	51	51	117	85	92	52	527	14	47	637	56
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	51	51	117	85	92	52	527	14	47	637	56
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	11	51	51	117	85	92	52	527	14	47	637	56

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	0.50	0.50	1.00	0.48	0.52	1.00	0.97	0.03	1.00	0.92	0.08
Final Sat.:	1600	800	800	1600	768	832	1600	1559	41	1600	1471	129

Capacity Analysis Module:

Vol/Sat:	0.01	0.06	0.06	0.07	0.11	0.11	0.03	0.34	0.34	0.03	0.43	0.43
Crit Volume:	102			117			52			693		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:50 Page 212-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #1005 Vernon & Lincoln

Cycle (sec): 120 Critical Vol./Cap.(X): 0.989
Loss Time (sec): 6 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:	Permitted			Permitted			Split Phase			Split Phase		
Rights:	Ignore			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	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	0	1	0	0

Volume Module:

Base Vol:	80	22	322	57	97	42	23	568	45	594	524	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:	80	22	322	57	97	42	23	568	45	594	524	13
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:	80	22	0	57	97	42	23	568	45	594	524	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	22	0	57	97	42	23	568	45	594	524	13
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:	80	22	0	57	97	42	23	568	45	594	524	13

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:	0.78	0.22	1.00	0.29	0.50	0.21	1.00	0.93	0.07	1.00	0.98	0.02
Final Sat.:	1176	324	1500	436	742	321	1500	1390	110	1500	1464	36

Capacity Analysis Module:

Vol/Sat:	0.07	0.07	0.00	0.13	0.13	0.13	0.02	0.41	0.41	0.40	0.36	0.36
Crit Volume:	80			196			613			594		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:50 Page 213-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #1006 Washington & Main

Cycle (sec): 120 Critical Vol./Cap.(X): 0.848
Loss Time (sec): 12 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 150 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	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	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	525	1222	35	61	1127	57	63	221	252	182	125	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:	525	1222	35	61	1127	57	63	221	252	182	125	77
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:	525	1222	35	61	1127	0	63	221	0	182	125	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	525	1222	35	61	1127	0	63	221	0	182	125	77
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:	525	1222	35	61	1127	0	63	221	0	182	125	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:	2.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	2900	2900	1450	1450	2900	1450	1450	1450	1450	1450	1450	1450

Capacity Analysis Module:

Vol/Sat:	0.18	0.42	0.02	0.04	0.39	0.00	0.04	0.15	0.00	0.13	0.09	0.05
Crit Volume:	263			564			221			182		
Crit Moves:	****			****			****			****		

FR25 PM Thu Sep 19, 2013 08:52:50 Page 214-1

City of Roseville Fiddymment Ranch Ph 2 & Ph 3 Amendment
FR25: 2025 CIP Plus Project
PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #1007 Washington & Oak

Cycle (sec): 120 Critical Vol./Cap.(X): 0.748
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:	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 1 0 0 1	1 1 0 0 1	1 0 1! 0 0	0 1 0 0 2

Volume Module:

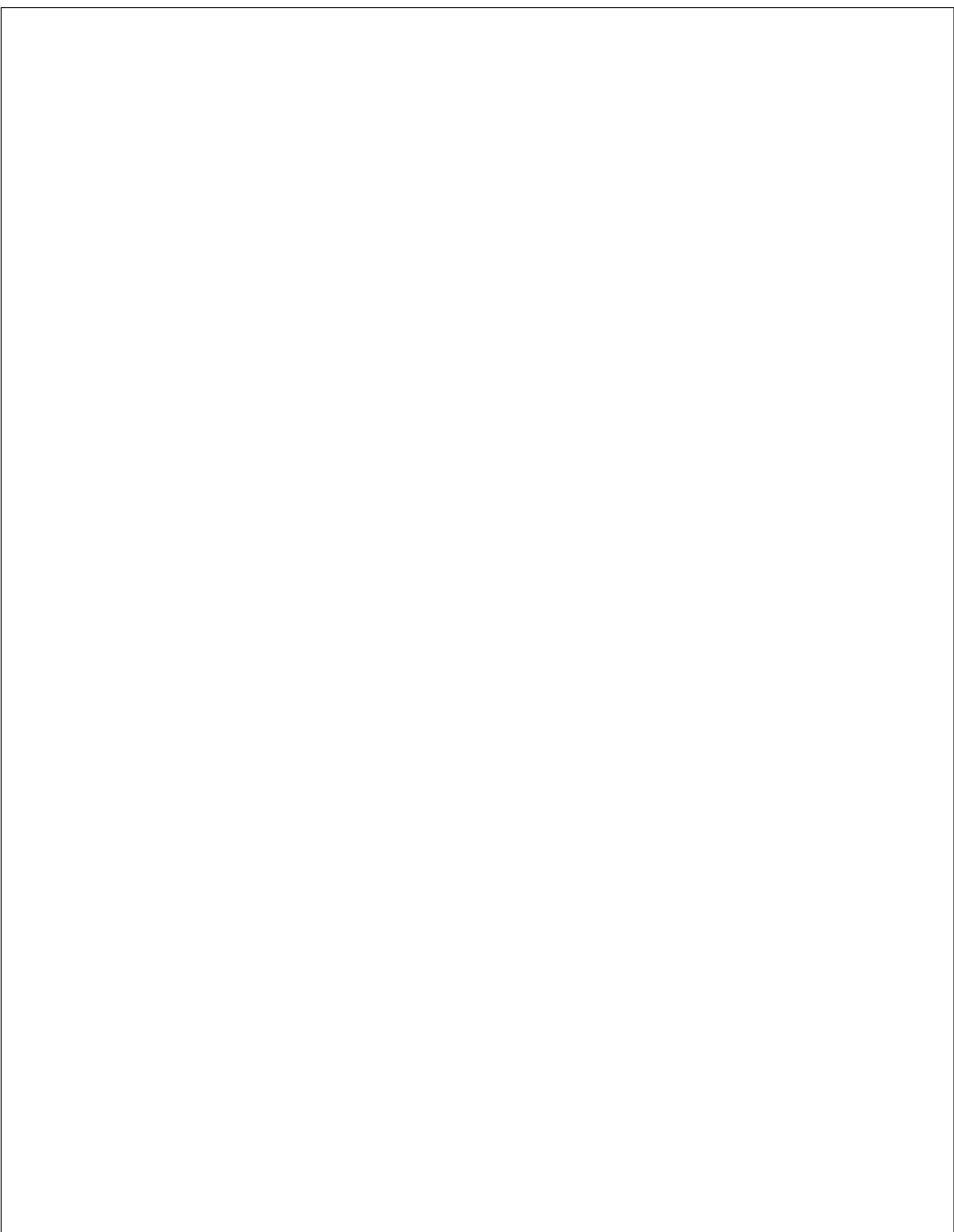
Base Vol:	1	34	10	902	9	783	672	107	2	1	48	1198
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	34	10	902	9	783	672	107	2	1	48	1198
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	34	10	902	9	783	672	107	2	1	48	1198
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	34	10	902	9	783	672	107	2	1	48	1198
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10
FinalVolume:	1	34	10	902	9	783	672	107	2	1	48	1318

Saturation Flow Module:

Sat/Lane:	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.03	0.97	1.00	1.98	0.02	1.00	1.72	0.27	0.01	0.02	0.98	2.00
Final Sat.:	41	1409	1450	2871	29	1450	2495	397	7	30	1420	2900

Capacity Analysis Module:

Vol/Sat:	0.02	0.02	0.01	0.31	0.31	0.54	0.27	0.27	0.27	0.03	0.03	0.45
Crit Volume:	35			0			391			659		
Crit Moves:	****			****			****			****		



INTERSECTION ANALYSIS
PLACER COUNTY
SUTTER COUNTY
STATE HIGHWAY FACILITIES
2025 CIP CONDITIONS

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Scenario: NP25 Am
Command: NP25 AM
Volume: NP25 AM
Geometry: 2025CIPPP
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 Ph 2 & 3 Amendment
2025 CIP No 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	
#301 Locust & Baseline	A	xxxxx 0.468	A	xxxxx 0.468	+ 0.000 V/C
#303 Pleasent Grove N & Riego	C	xxxxx 0.764	C	xxxxx 0.764	+ 0.000 V/C
#304 Pleasent Grove S & Riego	C	xxxxx 0.716	C	xxxxx 0.716	+ 0.000 V/C
#305 Watt Ave & PFE Rd	B	xxxxx 0.652	B	xxxxx 0.652	+ 0.000 V/C
#306 Walerga Rd & PFE Rd	E	xxxxx 0.960	E	xxxxx 0.960	+ 0.000 V/C
#308 Fiddymment & Athens	F	xxxxx 1.070	F	xxxxx 1.070	+ 0.000 V/C
#316 SR 70/99 NB & Riego Rd	A	xxxxx 0.588	A	xxxxx 0.588	+ 0.000 V/C
#317 SR 70/99 SB & Riego Rd	A	xxxxx 0.138	A	xxxxx 0.138	+ 0.000 V/C
#319 Industrial & Athens	D	xxxxx 0.815	D	xxxxx 0.815	+ 0.000 V/C

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #301 Locust & Baseline

Cycle (sec): 100 Critical Vol./Cap.(X): 0.468
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:	Permitted			Permitted			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	2	0	1

Volume Module:

Base Vol:	43	5	34	13	1	1	2	1042	50	52	1129	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:	43	5	34	13	1	1	2	1042	50	52	1129	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:	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	5	36	14	1	1	2	1097	53	55	1188	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	5	36	14	1	1	2	1097	53	55	1188	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:	45	5	36	14	1	1	2	1097	53	55	1188	20

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:	0.90	0.10	1.00	0.87	0.07	0.06	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1277	148	1425	1235	95	95	1425	2850	1425	1425	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.04	0.04	0.03	0.01	0.01	0.01	0.00	0.38	0.04	0.04	0.42	0.01
Crit Volume:	51	14					548		55			
Crit Moves:	****	****					****		****			

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #303 Pleasant Grove N & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.764
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:	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	0	1	1	0

Volume Module:

Base Vol:	0	0	0	377	0	2	52	1065	0	0	1211	203
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	377	0	2	52	1065	0	0	1211	203
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	0	0	397	0	2	55	1121	0	0	1275	214
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	397	0	2	55	1121	0	0	1275	214
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	397	0	2	55	1121	0	0	1275	214

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:	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	1425	0	1425	1425	2850	0	0	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.28	0.00	0.00	0.04	0.39	0.00	0.00	0.45	0.15
Crit Volume:	0			397			55				637	
Crit Moves:				****			****				****	

NP25 Am Thu Sep 12, 2013 16:32:28 Page 5-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #304 Pleasant Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.716
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 51 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: 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: 1 0 0 0 1 0 0 0 0 0 0 2 0 1 1 0 2 0 0

Volume Module:
Base Vol: 375 0 163 0 0 0 0 927 514 132 1035 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: 375 0 163 0 0 0 0 927 514 132 1035 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: 395 0 172 0 0 0 0 976 541 139 1089 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 395 0 172 0 0 0 0 976 541 139 1089 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: 395 0 172 0 0 0 0 976 541 139 1089 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: 0.26 0.00 0.11 0.00 0.00 0.00 0.00 0.33 0.36 0.09 0.36 0.00
Crit Volume: 395 0 541 139
Crit Moves: ****

NP25 Am Thu Sep 12, 2013 16:32:28 Page 6-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.652
Loss Time (sec): 0 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 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 3 0 1 2 0 3 0 1 0 0 1! 0 0 1 1 0 0 2

Volume Module:
Base Vol: 7 1623 281 319 1845 3 11 7 17 238 1 92
Growth Adj: 1.00 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 1623 281 319 1845 3 11 7 17 238 1 92
User Adj: 1.00 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: 7 1708 296 336 1942 3 12 7 18 251 1 97
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 7 1708 296 336 1942 3 12 7 18 251 1 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 1.10 1.00 1.00 1.00 1.00 1.00 1.10 1.00 1.10
FinalVolume: 7 1708 296 369 1942 3 12 7 18 276 1 107

Saturation Flow Module:
Sat/Lane: 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 3.00 1.00 2.00 3.00 1.00 0.31 0.20 0.49 1.99 0.01 2.00
Final Sat.: 1425 4275 1425 2850 4275 1425 448 285 692 2839 11 2850

Capacity Analysis Module:
Vol/Sat: 0.01 0.40 0.21 0.13 0.45 0.00 0.03 0.03 0.03 0.10 0.10 0.04
Crit Volume: 569 185 37 138
Crit Moves: ****

NP25 Am Thu Sep 12, 2013 16:32:28 Page 7-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No 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): 0.960
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: 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 1

Volume Module:
Base Vol: 202 1346 238 74 1378 152 115 188 363 175 70 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: 202 1346 238 74 1378 152 115 188 363 175 70 56
User Adj: 1.00 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 1417 251 78 1451 160 121 198 382 184 74 59
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 213 1417 251 78 1451 160 121 198 382 184 74 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: 213 1417 251 78 1451 160 121 198 382 184 74 59

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 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1375 2750 1375 1375 2750 1375 1375 1375 1375 1375 1375 1375

Capacity Analysis Module:
Vol/Sat: 0.15 0.52 0.18 0.06 0.53 0.12 0.09 0.14 0.28 0.13 0.05 0.04
Crit Volume: 213 725 198 184
Crit Moves: ****

NP25 Am Thu Sep 12, 2013 16:32:28 Page 8-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 1.070
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 2 0 1 1 0 2 0 1 1 0 1 0 1 1

Volume Module:
Base Vol: 225 751 182 9 409 8 30 772 358 196 236 143
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 225 751 182 9 409 8 30 772 358 196 236 143
User Adj: 1.00 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: 237 791 192 9 431 8 32 813 377 206 248 151
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 237 791 192 9 431 8 32 813 377 206 248 151
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 237 791 192 9 431 8 32 813 377 206 248 151

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 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1375 2750 1375 1375 2750 1375 1375 1375 1375 1375 1375 1375

Capacity Analysis Module:
Vol/Sat: 0.17 0.29 0.14 0.01 0.16 0.01 0.02 0.59 0.27 0.15 0.18 0.11
Crit Volume: 237 215 813 206
Crit Moves: ****

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #316 SR 70/99 NB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.588
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:	Permitted	Permitted	Permitted	Permitted
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 0 0 2	0 0 0 0 0	0 0 2 0 1	0 0 3 0 1

Volume Module:

Base Vol:	140	0	734	0	0	0	0	151	12	0	1303	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:	140	0	734	0	0	0	0	151	12	0	1303	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:	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:	147	0	773	0	0	0	0	159	13	0	1372	88
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	147	0	773	0	0	0	0	159	13	0	1372	88
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	147	0	850	0	0	0	0	159	13	0	1372	88

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	2.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1500	0	3000	0	0	0	0	3000	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.10	0.00	0.28	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.30	0.06
Crit Volume:	425	0	0	0	0	0	0	457	0	0	0	0
Crit Moves:	***							***				

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #317 SR 70/99 SB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.138
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	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:	0 0 0 0 0	1 0 0 0 1	0 0 2 0 1	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	2	0	24	0	177	163	0	310	1133
Growth Adj:	1.00	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	2	0	24	0	177	163	0	310	1133
User Adj:	1.00	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	2	0	25	0	186	172	0	326	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	2	0	25	0	186	172	0	326	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:	0	0	0	2	0	25	0	186	172	0	326	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:	0.00	0.00	0.00	1.00	0.00	1.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1425	0	1425	0	2850	1425	0	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.12	0.00	0.11	0.00
Crit Volume:	0	0	0	0	0	25	0	172	0	0	0	0
Crit Moves:						***			***			

NP25 AM Thu Sep 12, 2013 16:32:28 Page 11-1

City of Roseville
Fiddymnt Ranch Ph 2 & 3 Amendment
2025 CIP No 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): 0.815
Loss Time (sec): 0 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:	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	1	0	0

Volume Module:

Base Vol:	145	97	0	0	661	677	362	0	207	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:	145	97	0	0	661	677	362	0	207	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:	153	102	0	0	696	713	381	0	218	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	153	102	0	0	696	713	381	0	218	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:	168	102	0	0	696	713	381	0	218	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:	0.06	0.07	0.00	0.00	0.49	0.50	0.27	0.00	0.15	0.00	0.00	0.00
Crit Volume:	84				696		381				0	
Crit Moves:	****				****		****					

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 1-1

City of Roseville
Fiddymnt Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Scenario Report

Scenario: NP25 Pm

Command: NP25 PM
Volume: NP25 PM
Geometry: 2025CIPPP
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 Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base Del/ LOS Veh C	V/ 0.666	Future Del/ LOS Veh C	V/ 0.666	Change in
#301 Locust & Baseline	B xxxxx	0.666	B xxxxx	0.666	+ 0.000 V/C
#303 Pleasant Grove N & Riego	C xxxxx	0.758	C xxxxx	0.758	+ 0.000 V/C
#304 Pleasant Grove S & Riego	C xxxxx	0.778	C xxxxx	0.778	+ 0.000 V/C
#305 Watt Ave & PFE Rd	A xxxxx	0.570	A xxxxx	0.570	+ 0.000 V/C
#306 Walerga Rd & PFE Rd	E xxxxx	0.964	E xxxxx	0.964	+ 0.000 V/C
#308 Fiddymment & Athens	F xxxxx	1.205	F xxxxx	1.205	+ 0.000 V/C
#316 SR 70/99 NB & Riego Rd	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
#317 SR 70/99 SB & Riego Rd	A xxxxx	0.197	A xxxxx	0.197	+ 0.000 V/C
#319 Industrial & Athens	D xxxxx	0.869	D xxxxx	0.869	+ 0.000 V/C

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #301 Locust & Baseline

Cycle (sec): 100 Critical Vol./Cap.(X): 0.666
Loss Time (sec): 0 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: Permitted Permitted 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 1 0 2 0 1 1 0 2 0 1

Volume Module:
Base Vol: 99 3 278 36 5 3 3 1271 43 19 1316 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: 99 3 278 36 5 3 3 1271 43 19 1316 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: 99 3 278 36 5 3 3 1271 43 19 1316 17
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 99 3 278 36 5 3 3 1271 43 19 1316 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: 99 3 278 36 5 3 3 1271 43 19 1316 17

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: 0.97 0.03 1.00 0.82 0.11 0.07 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1383 42 1425 1166 162 97 1425 2850 1425 1425 2850 1425

Capacity Analysis Module:
Vol/Sat: 0.07 0.07 0.20 0.03 0.03 0.03 0.00 0.45 0.03 0.01 0.46 0.01
Crit Volume: 278 36 636 0
Crit Moves: **** *

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 4-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #303 Pleasant Grove N & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.758
Loss Time (sec): 0 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:	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 0 0 0 1	1 0 2 0 0	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	295	0	56	5	1570	0	0	1434	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	295	0	56	5	1570	0	0	1434	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:	0	0	0	295	0	56	5	1570	0	0	1434	282
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	295	0	56	5	1570	0	0	1434	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:	0	0	0	295	0	56	5	1570	0	0	1434	282

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:	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	1425	0	1425	1425	2850	0	0	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.21	0.00	0.04	0.00	0.55	0.00	0.00	0.50	0.20
Crit Volume:	0	0	0	295	0	56	5	785	0	0	0	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 5-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #304 Pleasant Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.778
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 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:	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:	1 0 0 0 1	0 0 0 0 0	0 0 2 0 1	1 0 2 0 0

Volume Module:

Base Vol:	408	0	42	0	0	0	0	1285	579	117	1306	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:	408	0	42	0	0	0	0	1285	579	117	1306	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:	408	0	42	0	0	0	0	1285	579	117	1306	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	408	0	42	0	0	0	0	1285	579	117	1306	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:	408	0	42	0	0	0	0	1285	579	117	1306	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:	0.27	0.00	0.03	0.00	0.00	0.00	0.00	0.43	0.39	0.08	0.44	0.00
Crit Volume:	408	0	42	0	0	0	0	643	117	117	1306	0
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 6-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.570
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			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	3	0	1	2	0	3	0	1	0	0

Volume Module:

Base Vol:	16	1958	47	151	1783	13	5	1	6	114	5	338
Growth Adj:	1.00	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	1958	47	151	1783	13	5	1	6	114	5	338
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1958	47	151	1783	13	5	1	6	114	5	338
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	1958	47	151	1783	13	5	1	6	114	5	338
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.10	1.00	1.10	1.10
FinalVolume:	16	1958	47	166	1783	13	5	1	6	125	5	372

Saturation Flow Module:

Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	3.00	1.00	2.00	3.00	1.00	0.42	0.08	0.50	1.92	0.08	2.00
Final Sat.:	1425	4275	1425	2850	4275	1425	594	119	713	2741	109	2850

Capacity Analysis Module:

Vol/Sat:	0.01	0.46	0.03	0.06	0.42	0.01	0.01	0.01	0.01	0.05	0.05	0.13
Crit Volume:	653			83			12			65		
Crit Moves:	****			****			****			****		

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 7-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No 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): 0.964
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:	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

Volume Module:

Base Vol:	246	1641	165	81	1516	37	57	45	132	277	183	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:	246	1641	165	81	1516	37	57	45	132	277	183	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:	246	1641	165	81	1516	37	57	45	132	277	183	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	246	1641	165	81	1516	37	57	45	132	277	183	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:	246	1641	165	81	1516	37	57	45	132	277	183	101

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	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	1375	1375	1375	1375	1375	1375

Capacity Analysis Module:

Vol/Sat:	0.18	0.60	0.12	0.06	0.55	0.03	0.04	0.03	0.10	0.20	0.13	0.07
Crit Volume:	246			758			45			277		
Crit Moves:	****			****			****			****		

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 8-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 1.205
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 2 0 1	1 0 2 0 1	1 0 1 0 1	1 0 1 0 1

Volume Module:

Base Vol:	331	555	263	164	877	42	13	346	242	101	875	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:	331	555	263	164	877	42	13	346	242	101	875	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:	331	555	263	164	877	42	13	346	242	101	875	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	331	555	263	164	877	42	13	346	242	101	875	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:	331	555	263	164	877	42	13	346	242	101	875	39

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	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	1375	1375	1375	1375	1375	1375

Capacity Analysis Module:

Vol/Sat:	0.24	0.20	0.19	0.12	0.32	0.03	0.01	0.25	0.18	0.07	0.64	0.03
Crit Volume:	331			439			13				875	
Crit Moves:	****			****			****				****	

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 9-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #316 SR 70/99 NB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.689
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 46 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	Permitted	Permitted	Permitted
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 0 0 2	0 0 0 0 0	0 0 2 0 1	0 0 3 0 1

Volume Module:

Base Vol:	81	0	1144	0	0	0	0	457	4	0	1215	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:	81	0	1144	0	0	0	0	457	4	0	1215	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:	81	0	1144	0	0	0	0	457	4	0	1215	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	0	1144	0	0	0	0	457	4	0	1215	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	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	81	0	1258	0	0	0	0	457	4	0	1215	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:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1500	0	3000	0	0	0	0	3000	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.00	0.42	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.27	0.01
Crit Volume:	629			0			0				405	
Crit Moves:	****						****				****	

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 10-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #317 SR 70/99 SB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.197
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 Protected Protected
Rights: Ovl 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: 0 0 0 0 0 1 0 0 2 0 1 0 0 2 0 1

Volume Module:
Base Vol: 0 0 0 97 0 33 0 338 184 0 273 1023
Growth Adj: 1.00 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 97 0 33 0 338 184 0 273 1023
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 97 0 33 0 338 184 0 273 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 97 0 33 0 338 184 0 273 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 0 0 0 97 0 33 0 338 184 0 273 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: 0.00 0.00 0.00 1.00 0.00 1.00 0.00 2.00 1.00 0.00 2.00 1.00
Final Sat.: 0 0 0 1425 0 1425 0 2850 1425 0 2850 1425

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.07 0.00 0.02 0.00 0.12 0.13 0.00 0.10 0.00
Crit Volume: 0 97 184 0
Crit Moves: ****

NP25 Pm Thu Sep 12, 2013 16:32:35 Page 11-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP No 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): 0.869
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 175 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 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

Volume Module:
Base Vol: 374 517 0 0 208 395 722 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: 374 517 0 0 208 395 722 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: 374 517 0 0 208 395 722 0 107 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 374 517 0 0 208 395 722 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: 1.10 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 411 517 0 0 208 395 722 0 107 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: 0.14 0.36 0.00 0.00 0.15 0.28 0.51 0.00 0.08 0.00 0.00 0.00
Crit Volume: 517 0 722 0
Crit Moves: ****

City of Roseville

Fiddymment Ranch Ph 2 & 3 Amendment

2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)

Scenario Report

Scenario:FR25 Am

Command:FR25 AM

Volume:FR25 AM

Geometry:2025CIPPP

Impact Fee:Default Impact Fee

Trip Generation:Default Trip Generation

Trip Distribution:Default Trip Distribution

Paths:Default Path

Routes:Default Route

Configuration:EXPPAM

City of Roseville

Fiddymment Ranch Ph 2 & 3 Amendment

2025 CIP 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		
#301 Locust & Baseline	A	xxxxx 0.452	A	xxxxx 0.452	+ 0.000	V/C
#303 Pleasent Grove N & Riego	C	xxxxx 0.739	C	xxxxx 0.739	+ 0.000	V/C
#304 Pleasent Grove S & Riego	B	xxxxx 0.678	B	xxxxx 0.678	+ 0.000	V/C
#305 Watt Ave & PFE Rd	B	xxxxx 0.616	B	xxxxx 0.616	+ 0.000	V/C
#306 Walerga Rd & PFE Rd	E	xxxxx 0.925	E	xxxxx 0.925	+ 0.000	V/C
#308 Fiddymment & Athens	F	xxxxx 1.026	F	xxxxx 1.026	+ 0.000	V/C
#316 SR 70/99 NB & Riego Rd	A	xxxxx 0.562	A	xxxxx 0.562	+ 0.000	V/C
#317 SR 70/99 SB & Riego Rd	A	xxxxx 0.131	A	xxxxx 0.131	+ 0.000	V/C
#319 Industrial & Athens	C	xxxxx 0.766	C	xxxxx 0.766	+ 0.000	V/C

FR25 Am Thu Sep 12, 2013 16:32:41 Page 3-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #301 Locust & Baseline

Cycle (sec): 100 Critical Vol./Cap.(X): 0.452
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:	Permitted			Permitted			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	2	0	1

Volume Module:

Base Vol:	44	5	34	13	1	1	2	1029	58	52	1166	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:	44	5	34	13	1	1	2	1029	58	52	1166	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:	44	5	34	13	1	1	2	1029	58	52	1166	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	5	34	13	1	1	2	1029	58	52	1166	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:	44	5	34	13	1	1	2	1029	58	52	1166	19

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:	0.90	0.10	1.00	0.87	0.06	0.07	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1280	145	1425	1235	95	95	1425	2850	1425	1425	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.03	0.03	0.02	0.01	0.01	0.01	0.00	0.36	0.04	0.04	0.41	0.01
Crit Volume:	44					15	2				583	
Crit Moves:	****					****	****				****	

FR25 Am Thu Sep 12, 2013 16:32:41 Page 4-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #303 Pleasant Grove N & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.739
Loss Time (sec): 0 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:	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	0	1	1	0

Volume Module:

Base Vol:	0	0	0	381	0	2	52	1062	0	0	1239	204
Growth Adj:	1.00	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	381	0	2	52	1062	0	0	1239	204
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	381	0	2	52	1062	0	0	1239	204
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	381	0	2	52	1062	0	0	1239	204
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	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	381	0	2	52	1062	0	0	1239	204

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:	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	1425	0	1425	1425	2850	0	0	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.27	0.00	0.00	0.04	0.37	0.00	0.00	0.43	0.14
Crit Volume:	0			381			52				620	
Crit Moves:				****			****				****	

FR25 Am Thu Sep 12, 2013 16:32:41 Page 5-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #304 Pleasant Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.678
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 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			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:	1	0	0	0	0	0	0	0	2	0	1	1

Volume Module:

Base Vol:	368	0	158	0	0	0	0	927	516	133	1072	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:	368	0	158	0	0	0	0	927	516	133	1072	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:	368	0	158	0	0	0	0	927	516	133	1072	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	368	0	158	0	0	0	0	927	516	133	1072	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:	368	0	158	0	0	0	0	927	516	133	1072	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:	0.25	0.00	0.11	0.00	0.00	0.00	0.00	0.31	0.34	0.09	0.36	0.00
Crit Volume:	368			0					516	133		
Crit Moves:	****								****	****		

FR25 Am Thu Sep 12, 2013 16:32:41 Page 6-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.616
Loss Time (sec): 0 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			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	3	0	1	2	0	3	0	1	0	0

Volume Module:

Base Vol:	7	1614	282	315	1859	3	11	7	17	237	1	92
Growth Adj:	1.00	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	1614	282	315	1859	3	11	7	17	237	1	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1614	282	315	1859	3	11	7	17	237	1	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	1614	282	315	1859	3	11	7	17	237	1	92
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.10
FinalVolume:	7	1614	282	347	1859	3	11	7	17	261	1	101

Saturation Flow Module:

Sat/Lane:	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425	1425
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	3.00	1.00	2.00	3.00	1.00	0.31	0.20	0.49	1.99	0.01	2.00
Final Sat.:	1425	4275	1425	2850	4275	1425	448	285	692	2839	11	2850

Capacity Analysis Module:

Vol/Sat:	0.00	0.38	0.20	0.12	0.43	0.00	0.02	0.02	0.02	0.09	0.09	0.04
Crit Volume:	538			173			35			131		
Crit Moves:	****			****			****			****		

FR25 Am Thu Sep 12, 2013 16:32:41 Page 7-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP 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): 0.925
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:	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

Volume Module:

Base Vol:	202	1329	243	75	1403	150	120	188	359	180	74	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:	202	1329	243	75	1403	150	120	188	359	180	74	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:	202	1329	243	75	1403	150	120	188	359	180	74	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	202	1329	243	75	1403	150	120	188	359	180	74	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:	202	1329	243	75	1403	150	120	188	359	180	74	60

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	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	1375	1375	1375	1375	1375	1375

Capacity Analysis Module:

Vol/Sat:	0.15	0.48	0.18	0.05	0.51	0.11	0.09	0.14	0.26	0.13	0.05	0.04
Crit Volume:	202			702			188			180		
Crit Moves:	****			****			****			****		

FR25 Am Thu Sep 12, 2013 16:32:41 Page 8-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 1.026
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	2	0	1	1	0	2	0	1	1	0

Volume Module:

Base Vol:	227	770	183	3	406	8	30	779	341	202	236	143
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	227	770	183	3	406	8	30	779	341	202	236	143
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	227	770	183	3	406	8	30	779	341	202	236	143
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	227	770	183	3	406	8	30	779	341	202	236	143
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	227	770	183	3	406	8	30	779	341	202	236	143

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	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	1375	1375	1375	1375	1375	1375

Capacity Analysis Module:

Vol/Sat:	0.17	0.28	0.13	0.00	0.15	0.01	0.02	0.57	0.25	0.15	0.17	0.10
Crit Volume:	227			203			779			202		
Crit Moves:	****			****			****			****		

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #316 SR 70/99 NB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.562
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:	Permitted	Permitted	Permitted	Permitted
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 0 0 2	0 0 0 0 0	0 0 2 0 1	0 0 3 0 1

Volume Module:

Base Vol:	140	0	729	0	0	0	0	151	12	0	1327	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:	140	0	729	0	0	0	0	151	12	0	1327	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:	140	0	729	0	0	0	0	151	12	0	1327	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	0	729	0	0	0	0	151	12	0	1327	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	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	140	0	802	0	0	0	0	151	12	0	1327	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:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1500	0	3000	0	0	0	0	3000	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.09	0.00	0.27	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.29	0.06
Crit Volume:	401	0	0	0	0	0	0	442	0	0	0	0
Crit Moves:	***							***			***	

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: AM Peak Hour (Placer & Sutter Intersections)Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #317 SR 70/99 SB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.131
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	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:	0 0 0 0 0	1 0 0 0 1	0 0 2 0 1	0 0 2 0 1

Volume Module:

Base Vol:	0	0	0	2	0	24	0	177	163	0	311	1155
Growth Adj:	1.00	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	2	0	24	0	177	163	0	311	1155
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:	0	0	0	2	0	24	0	177	163	0	311	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	2	0	24	0	177	163	0	311	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:	0	0	0	2	0	24	0	177	163	0	311	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:	0.00	0.00	0.00	1.00	0.00	1.00	0.00	2.00	1.00	0.00	2.00	1.00
Final Sat.:	0	0	0	1425	0	1425	0	2850	1425	0	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.06	0.11	0.00	0.11	0.00
Crit Volume:	0	0	0	0	0	24	0	163	0	0	0	0
Crit Moves:						***		***	***		***	

```

FR25 AM                      Thu Sep 12, 2013 16:32:41                      Page 11-1
-----
                        City of Roseville
                    Fiddymment Ranch Ph 2 & 3 Amendment
                2025 CIP 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):      0.766
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:            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 1      0 0 0 0 0
-----
Volume Module:
Base Vol:          143 97 0         0 661 676      352 0 209       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:       143 97 0         0 661 676      352 0 209       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:        143 97 0         0 661 676      352 0 209       0 0 0
Reduct Vol:        0 0 0            0 0 0         0 0 0          0 0 0
Reduced Vol:       143 97 0         0 661 676      352 0 209       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:       157 97 0         0 661 676      352 0 209       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:           0.06 0.07 0.00   0.00 0.46 0.47   0.25 0.00 0.15 0.00 0.00 0.00
Crit Volume:       79                661          352          0
Crit Moves:       ****              ****          ****
*****

```

```

FR25 Pm                      Thu Sep 12, 2013 16:32:51                      Page 1-1
-----
                        City of Roseville
                    Fiddymment Ranch Ph 2 & 3 Amendment
                2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)
-----
                        Scenario Report
Scenario:           FR25 Pm
Command:            FR25 PM
Volume:             FR25 PM
Geometry:           2025CIPPP
Impact Fee:         Default Impact Fee
Trip Generation:    Default Trip Generation
Trip Distribution:  Default Trip Distribution
Paths:              Default Path
Routes:             Default Route
Configuration:      EXPPPM

```

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Impact Analysis Report
Level Of Service

Intersection	Base Del/ LOS Veh C	V/ 0.689	Future Del/ LOS Veh C	V/ 0.689	Change in
#301 Locust & Baseline	B xxxxx	0.689	B xxxxx	0.689	+ 0.000 V/C
#303 Pleasant Grove N & Riego	C xxxxx	0.767	C xxxxx	0.767	+ 0.000 V/C
#304 Pleasant Grove S & Riego	C xxxxx	0.777	C xxxxx	0.777	+ 0.000 V/C
#305 Watt Ave & PFE Rd	A xxxxx	0.573	A xxxxx	0.573	+ 0.000 V/C
#306 Walerga Rd & PFE Rd	E xxxxx	0.970	E xxxxx	0.970	+ 0.000 V/C
#308 Fiddymment & Athens	F xxxxx	1.212	F xxxxx	1.212	+ 0.000 V/C
#316 SR 70/99 NB & Riego Rd	B xxxxx	0.692	B xxxxx	0.692	+ 0.000 V/C
#317 SR 70/99 SB & Riego Rd	A xxxxx	0.196	A xxxxx	0.196	+ 0.000 V/C
#319 Industrial & Athens	D xxxxx	0.872	D xxxxx	0.872	+ 0.000 V/C

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report

Circular 212 Planning Method (Base Volume Alternative)

Intersection #301 Locust & Baseline																					

Cycle (sec):		100		Critical Vol./Cap.(X):															0.689		
Loss Time (sec):		0		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:		Permitted				Permitted				Protected				Protected							
Rights:		Ovl				Include				Include				Include							
Min. Green:		0		0		0		0		0		0		0		0		0		0	
Y+R:		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	
----- ----- ----- ----- -----																					
Volume Module:																					
Base Vol:		106		3		294		36		5		3		3		1305		43		19 1305 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:		106		3		294		36		5		3		3		1305		43		19 1305 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:		106		3		294		36		5		3		3		1305		43		19 1305 17	
Reduct Vol:		0		0		0		0		0		0		0		0		0		0 0 0	
Reduced Vol:		106		3		294		36		5		3		3		1305		43		19 1305 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:		106		3		294		36		5		3		3		1305		43		19 1305 17	
----- ----- ----- ----- -----																					
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:		0.97		0.03		1.00		0.82		0.11		0.07		1.00		2.00		1.00		1.00 2.00 1.00	
Final Sat.:		1386		39		1425		1166		162		97		1425		2850		1425		1425 2850 1425	
----- ----- ----- ----- -----																					
Capacity Analysis Module:																					
Vol/Sat:		0.08		0.08		0.21		0.03		0.03		0.03		0.00		0.46		0.03		0.01 0.46 0.01	
Crit Volume:						294				36				653				0			
Crit Moves:						****				****				****				****			

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 4-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #303 Pleasent Grove N & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.767
Loss Time (sec): 0 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
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:	0	0	0	0	0	0	1	0	2	0	0	1

Volume Module:

Base Vol:	0	0	0	299	0	56	5	1588	0	0	1420	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	0	0	299	0	56	5	1588	0	0	1420	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	0	0	299	0	56	5	1588	0	0	1420	279
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	299	0	56	5	1588	0	0	1420	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
FinalVolume:	0	0	0	299	0	56	5	1588	0	0	1420	279

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:	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	1425	0	1425	1425	2850	0	0	2850	1425

Capacity Analysis Module:

Vol/Sat:	0.00	0.00	0.00	0.21	0.00	0.04	0.00	0.56	0.00	0.00	0.50	0.20
Crit Volume:	0			299			794			0		
Crit Moves:	****			****			****			****		

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 5-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #304 Pleasent Grove S & Riego

Cycle (sec): 100 Critical Vol./Cap.(X): 0.777
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 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:	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:	1	0	0	0	1	0	0	0	0	0	2	0

Volume Module:

Base Vol:	394	0	49	0	0	0	0	1312	572	116	1303	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:	394	0	49	0	0	0	0	1312	572	116	1303	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:	394	0	49	0	0	0	0	1312	572	116	1303	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	394	0	49	0	0	0	0	1312	572	116	1303	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:	394	0	49	0	0	0	0	1312	572	116	1303	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	0.00	2.00	1.00	1.00	2.00
Final Sat.:	1500	0	1500	0	0	0	0	3000	1500	1500	3000	0

Capacity Analysis Module:

Vol/Sat:	0.26	0.00	0.03	0.00	0.00	0.00	0.00	0.44	0.38	0.08	0.43	0.00
Crit Volume:	394			0			656			116		
Crit Moves:	****			****			****			****		

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 6-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #305 Watt Ave & PFE Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.573
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 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 3 0 1 2 0 3 0 1 0 0 1! 0 0 1 1 0 0 2

Volume Module:
Base Vol: 16 1968 52 152 1770 13 5 1 6 114 5 340
Growth Adj: 1.00 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 1968 52 152 1770 13 5 1 6 114 5 340
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 1968 52 152 1770 13 5 1 6 114 5 340
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 16 1968 52 152 1770 13 5 1 6 114 5 340
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.10 1.00 1.00 1.00 1.00 1.10 1.00 1.10 1.00
FinalVolume: 16 1968 52 167 1770 13 5 1 6 125 5 374

Saturation Flow Module:
Sat/Lane: 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 3.00 1.00 2.00 3.00 1.00 0.42 0.08 0.50 1.92 0.08 2.00
Final Sat.: 1425 4275 1425 2850 4275 1425 594 119 713 2741 109 2850

Capacity Analysis Module:
Vol/Sat: 0.01 0.46 0.04 0.06 0.41 0.01 0.01 0.01 0.01 0.05 0.05 0.13
Crit Volume: 656 84 12 65
Crit Moves: ****

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 7-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP 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): 0.970
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: 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 1 0 1 0 1

Volume Module:
Base Vol: 249 1657 158 85 1509 37 57 45 116 285 182 101
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: 249 1657 158 85 1509 37 57 45 116 285 182 101
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: 249 1657 158 85 1509 37 57 45 116 285 182 101
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 249 1657 158 85 1509 37 57 45 116 285 182 101
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: 249 1657 158 85 1509 37 57 45 116 285 182 101

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 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1375 2750 1375 1375 2750 1375 1375 1375 1375 1375 1375 1375

Capacity Analysis Module:
Vol/Sat: 0.18 0.60 0.11 0.06 0.55 0.03 0.04 0.03 0.08 0.21 0.13 0.07
Crit Volume: 249 755 45 285
Crit Moves: ****

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 8-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #308 Fiddymment & Athens

Cycle (sec): 100 Critical Vol./Cap.(X): 1.212
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	2	0	1	0	1	0	1	0	1	0

Volume Module:

Base Vol:	325	550	269	164	889	39	13	344	246	101	884	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:	325	550	269	164	889	39	13	344	246	101	884	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:	325	550	269	164	889	39	13	344	246	101	884	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	325	550	269	164	889	39	13	344	246	101	884	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:	325	550	269	164	889	39	13	344	246	101	884	37

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	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1375	2750	1375	1375	2750	1375	1375	1375	1375	1375	1375	1375

Capacity Analysis Module:

Vol/Sat:	0.24	0.20	0.20	0.12	0.32	0.03	0.01	0.25	0.18	0.07	0.64	0.03
Crit Volume:	325			445			13			884		
Crit Moves:	****			****			****			****		

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 9-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #316 SR 70/99 NB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.692
Loss Time (sec): 0 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:	Permitted			Permitted			Permitted			Permitted		
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	0	0	2	0	0	0	2	0	0	1

Volume Module:

Base Vol:	79	0	1157	0	0	0	0	458	3	0	1207	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:	79	0	1157	0	0	0	0	458	3	0	1207	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:	79	0	1157	0	0	0	0	458	3	0	1207	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	0	1157	0	0	0	0	458	3	0	1207	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	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	79	0	1273	0	0	0	0	458	3	0	1207	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:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	3.00	1.00
Final Sat.:	1500	0	3000	0	0	0	0	3000	1500	0	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.00	0.42	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.27	0.01
Crit Volume:	636			0			0			402		
Crit Moves:	****						****			****		

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 10-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP Plus Project: PM Peak Hour (Placer & Sutter Intersections)

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #317 SR 70/99 SB & Riego Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.196
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 Protected Protected
Rights: Ovl 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: 0 0 0 0 0 1 0 0 2 0 1 0 0 2 0 1

Volume Module:
Base Vol: 0 0 0 95 0 32 0 339 184 0 272 1013
Growth Adj: 1.00 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 32 0 339 184 0 272 1013
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 32 0 339 184 0 272 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 95 0 32 0 339 184 0 272 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 0 0 0 95 0 32 0 339 184 0 272 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: 0.00 0.00 0.00 1.00 0.00 1.00 0.00 2.00 1.00 0.00 2.00 1.00
Final Sat.: 0 0 0 1425 0 1425 0 2850 1425 0 2850 1425

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.07 0.00 0.02 0.00 0.12 0.13 0.00 0.10 0.00
Crit Volume: 0 95 184 0
Crit Moves: ****

FR25 Pm Thu Sep 12, 2013 16:32:51 Page 11-1

City of Roseville
Fiddymment Ranch Ph 2 & 3 Amendment
2025 CIP 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): 0.872
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 179 Level Of Service: D

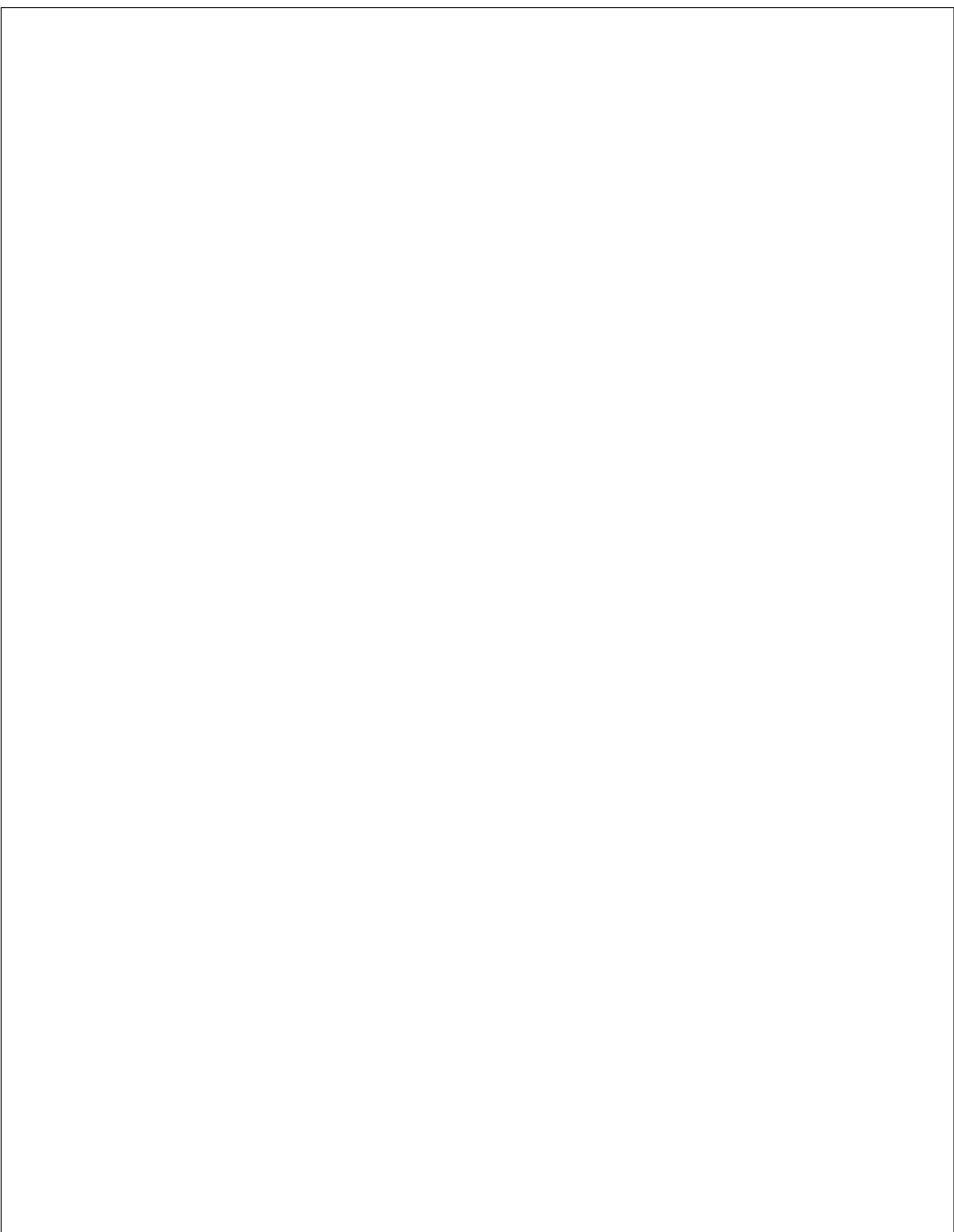
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Include Ovl 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

Volume Module:
Base Vol: 373 517 0 0 207 398 726 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: 373 517 0 0 207 398 726 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: 373 517 0 0 207 398 726 0 106 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 373 517 0 0 207 398 726 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: 1.10 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 410 517 0 0 207 398 726 0 106 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: 0.14 0.36 0.00 0.00 0.15 0.28 0.51 0.00 0.07 0.00 0.00 0.00
Crit Volume: 517 0 726 0
Crit Moves: ****



INTERSECTION ANALYSIS
SACRAMENTO COUNTY
2025 CIP CONDITIONS

NP25AM Thu Sep 12, 2013 16:31:39 Page 3-1

City of Roseville
Fiddymnt SPA 3
2025 CIP No Project Sacramento Co: AM Peak Hour

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): 0.880
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:	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	2	0	1	2	0

Volume Module:

Base Vol:	189	1342	130	240	1877	486	516	714	75	212	684	415
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	189	1342	130	240	1877	486	516	714	75	212	684	415
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	189	1342	130	240	1877	486	516	714	75	212	684	415
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	189	1342	130	240	1877	486	516	714	75	212	684	415
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	189	1342	130	240	1877	486	516	714	75	212	684	415

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:	0.06	0.30	0.09	0.08	0.42	0.32	0.17	0.24	0.05	0.07	0.23	0.28
Crit Volume:	94			626			258			342		
Crit Moves:	****			****			****			****		

NP25AM Thu Sep 12, 2013 16:31:39 Page 4-1

City of Roseville
Fiddymnt SPA 3
2025 CIP No Project Sacramento Co: AM Peak Hour

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): 0.894
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:	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

Volume Module:

Base Vol:	86	790	300	552	1490	89	169	1135	298	350	805	505
Growth Adj:	1.00	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	790	300	552	1490	89	169	1135	298	350	805	505
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	790	300	552	1490	89	169	1135	298	350	805	505
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	790	300	552	1490	89	169	1135	298	350	805	505
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	86	790	300	552	1490	89	169	1135	298	350	805	505

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	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	4500	1500	3000	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.03	0.26	0.20	0.18	0.50	0.06	0.06	0.25	0.20	0.12	0.18	0.34
Crit Volume:	43			745			378			175		
Crit Moves:	****			****			****			****		

NP25AM Thu Sep 12, 2013 16:31:39 Page 5-1

City of Roseville
Fiddymont SPA 3
2025 CIP No Project Sacramento Co: AM Peak Hour

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): 1.182
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:	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:	183	1025	14	63	1504	241	248	344	268	277	590	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:	183	1025	14	63	1504	241	248	344	268	277	590	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:	183	1025	14	63	1504	241	248	344	268	277	590	77
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	1025	14	63	1504	241	248	344	268	277	590	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:	183	1025	14	63	1504	241	248	344	268	277	590	77

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:	0.12	0.34	0.01	0.04	0.50	0.16	0.17	0.11	0.18	0.18	0.39	0.05
Crit Volume:	183			752			248			590		
Crit Moves:	****			****			****			****		

NP25AM Thu Sep 12, 2013 16:31:39 Page 6-1

City of Roseville
Fiddymont SPA 3
2025 CIP No Project Sacramento Co: AM Peak Hour

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): 0.622
Loss Time (sec): 0 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:	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	1	2	0	1	0	1	1

Volume Module:

Base Vol:	247	730	76	96	1077	348	190	287	106	149	304	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:	247	730	76	96	1077	348	190	287	106	149	304	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:	247	730	76	96	1077	348	190	287	106	149	304	16
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	247	730	76	96	1077	348	190	287	106	149	304	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:	247	730	76	96	1077	348	190	287	106	149	304	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:	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	2191	809	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.08	0.24	0.05	0.03	0.36	0.23	0.06	0.13	0.13	0.05	0.10	0.01
Crit Volume:	123			539			197			75		
Crit Moves:	****			****			****			****		

NP25AM Thu Sep 12, 2013 16:31:39 Page 7-1

City of Roseville
Fiddymt SPA 3
2025 CIP No Project Sacramento Co: AM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #313 Watt Ave & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.880
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:	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	2	0	1	2	0

Volume Module:

Base Vol:	168	846	93	172	2101	356	211	839	338	232	705	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:	168	846	93	172	2101	356	211	839	338	232	705	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:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	168	846	93	172	2101	356	211	839	338	232	705	211
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	168	846	93	172	2101	356	211	839	338	232	705	211
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	168	846	93	172	2101	356	211	839	338	232	705	211

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:	0.06	0.19	0.06	0.06	0.47	0.24	0.07	0.28	0.23	0.08	0.24	0.14
Crit Volume:	84			700			420			116		
Crit Moves:	****			****			****			****		

NP25AM Thu Sep 12, 2013 16:31:40 Page 8-1

City of Roseville
Fiddymt SPA 3
2025 CIP No Project Sacramento Co: AM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.653
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			Ovl		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	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	3

Volume Module:

Base Vol:	156	538	149	463	1099	144	54	978	170	26	872	399
Growth Adj:	1.00	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	538	149	463	1099	144	54	978	170	26	872	399
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	538	149	463	1099	144	54	978	170	26	872	399
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	538	149	463	1099	144	54	978	170	26	872	399
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	156	538	149	463	1099	144	54	978	170	26	872	399

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	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.18	0.10	0.15	0.37	0.10	0.04	0.22	0.11	0.02	0.19	0.27
Crit Volume:	78			550			326			26		
Crit Moves:	****			****			****			****		

NP25PMThu Sep 12, 2013 16:31:48Page 1-1

City of Roseville
Fiddymnt SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

Scenario Report

Scenario:NP25PM

Command:NP25PM

Volume:NP25PM

Geometry:CUM

Impact Fee:Default Impact Fee

Trip Generation:Default Trip Generation

Trip Distribution:Default Trip Distribution

Paths:Default Path

Routes:Default Route

Configuration:Cum PP No PP PM

NP25PMThu Sep 12, 2013 16:31:48Page 2-1

City of Roseville
Fiddymnt SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base Del/ LOS Veh C	V/ C	Future Del/ LOS Veh C	V/ C	Change in
#309 Watt Ave & Elverta Rd	E xxxxx	0.992	E xxxxx	0.992	+ 0.000 V/C
#310 Walerga Rd & Elverta Rd	F xxxxx	1.106	F xxxxx	1.106	+ 0.000 V/C
#311 Watt Ave & Antelope Rd	F xxxxx	1.203	F xxxxx	1.203	+ 0.000 V/C
#312 Walerga Rd & Antelope Rd	D xxxxx	0.862	D xxxxx	0.862	+ 0.000 V/C
#313 Watt Ave & Elkhorn	F xxxxx	1.048	F xxxxx	1.048	+ 0.000 V/C
#314 Walerga Rd & Elkhorn	D xxxxx	0.889	D xxxxx	0.889	+ 0.000 V/C

NP25PM Thu Sep 12, 2013 16:31:48 Page 3-1

City of Roseville
Fiddymont SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

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): 0.992
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:	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	2	0	1	2	0

Volume Module:

Base Vol:	218	1947	450	416	1338	439	413	1031	167	232	782	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:	218	1947	450	416	1338	439	413	1031	167	232	782	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:	218	1947	450	416	1338	439	413	1031	167	232	782	304
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	218	1947	450	416	1338	439	413	1031	167	232	782	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:	218	1947	450	416	1338	439	413	1031	167	232	782	304

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:	0.07	0.43	0.30	0.14	0.30	0.29	0.14	0.34	0.11	0.08	0.26	0.20
Crit Volume:	649			208			516			116		
Crit Moves:	****			****			****			****		

NP25PM Thu Sep 12, 2013 16:31:48 Page 4-1

City of Roseville
Fiddymont SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

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): 1.106
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:	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

Volume Module:

Base Vol:	231	1268	384	745	1244	96	404	1194	100	450	1350	578
Growth Adj:	1.00	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	1268	384	745	1244	96	404	1194	100	450	1350	578
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	1268	384	745	1244	96	404	1194	100	450	1350	578
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	231	1268	384	745	1244	96	404	1194	100	450	1350	578
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	231	1268	384	745	1244	96	404	1194	100	450	1350	578

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	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	4500	1500	3000	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.08	0.42	0.26	0.25	0.41	0.06	0.13	0.27	0.07	0.15	0.30	0.39
Crit Volume:	634			373			202			450		
Crit Moves:	****			****			****			****		

NP25PM Thu Sep 12, 2013 16:31:48 Page 5-1

City of Roseville
Fiddymont SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

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): 1.203
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:	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

Volume Module:

Base Vol:	283	1486	251	152	1251	248	408	697	169	152	488	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:	283	1486	251	152	1251	248	408	697	169	152	488	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:	283	1486	251	152	1251	248	408	697	169	152	488	83
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	283	1486	251	152	1251	248	408	697	169	152	488	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:	283	1486	251	152	1251	248	408	697	169	152	488	83

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:	0.19	0.50	0.17	0.10	0.42	0.17	0.27	0.23	0.11	0.10	0.33	0.06
Crit Volume:	283			626			408				488	
Crit Moves:	****			****			****				****	

NP25PM Thu Sep 12, 2013 16:31:48 Page 6-1

City of Roseville
Fiddymont SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

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): 0.862
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 165 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:	2	0	2	0	1	2	0	2	0	1	2	0

Volume Module:

Base Vol:	275	1318	102	274	911	288	514	384	286	239	480	108
Growth Adj:	1.00	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	1318	102	274	911	288	514	384	286	239	480	108
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	275	1318	102	274	911	288	514	384	286	239	480	108
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	275	1318	102	274	911	288	514	384	286	239	480	108
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	275	1318	102	274	911	288	514	384	286	239	480	108

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	1.15	0.85	2.00	2.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	1719	1281	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.09	0.44	0.07	0.09	0.30	0.19	0.17	0.22	0.22	0.08	0.16	0.07
Crit Volume:	659			137			257			240		
Crit Moves:	****			****			****			****		

NP25PM Thu Sep 12, 2013 16:31:48 Page 7-1

City of Roseville
Fiddymt SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #313 Watt Ave & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 1.048
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:	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	2	0	1	2	0

Volume Module:

Base Vol:	309	1975	231	363	1195	325	459	908	276	314	1005	291
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	309	1975	231	363	1195	325	459	908	276	314	1005	291
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	309	1975	231	363	1195	325	459	908	276	314	1005	291
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	309	1975	231	363	1195	325	459	908	276	314	1005	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:	309	1975	231	363	1195	325	459	908	276	314	1005	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	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	0.44	0.15	0.12	0.27	0.22	0.15	0.30	0.18	0.10	0.34	0.19
Crit Volume:	658			182			230			503		
Crit Moves:	****			****			****			****		

NP25PM Thu Sep 12, 2013 16:31:48 Page 8-1

City of Roseville
Fiddymt SPA 3
2025 CIP No Project Sacramento Co: PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.889
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:	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	0	3

Volume Module:

Base Vol:	160	928	38	503	759	80	103	1181	150	225	1380	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:	160	928	38	503	759	80	103	1181	150	225	1380	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:	160	928	38	503	759	80	103	1181	150	225	1380	348
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	160	928	38	503	759	80	103	1181	150	225	1380	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:	160	928	38	503	759	80	103	1181	150	225	1380	348

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	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.31	0.03	0.17	0.25	0.05	0.07	0.26	0.10	0.15	0.31	0.23
Crit Volume:	464			252			394			225		
Crit Moves:	****			****			****			****		

FR25AMThu Sep 12, 2013 16:31:57Page 1-1

-----City of RosevilleFiddymnt SPA 32025 CIP Plus Project Sacramento Co: AM Peak Hour-----

Scenario Report

Scenario:FR25AM

Command:FR25AM

Volume:FR25AM

Geometry:CUM

Impact Fee:Default Impact Fee

Trip Generation:Default Trip Generation

Trip Distribution:Default Trip Distribution

Paths:Default Path

Routes:Default Route

Configuration:Cum No Project AM

FR25AMThu Sep 12, 2013 16:31:57Page 2-1

-----City of RosevilleFiddymnt SPA 32025 CIP Plus Project Sacramento Co: AM Peak Hour-----

Impact Analysis Report
Level Of Service

Intersection	Base Del/ LOS Veh D	V/ C 0.879	Future Del/ LOS Veh D	V/ C 0.879	Change in
#309 Watt Ave & Elverta Rd	D	xxxxx 0.879	D	xxxxx 0.879	+ 0.000 V/C
#310 Walerga Rd & Elverta Rd	E	xxxxx 0.900	E	xxxxx 0.900	+ 0.000 V/C
#311 Watt Ave & Antelope Rd	F	xxxxx 1.177	F	xxxxx 1.177	+ 0.000 V/C
#312 Walerga Rd & Antelope Rd	B	xxxxx 0.626	B	xxxxx 0.626	+ 0.000 V/C
#313 Watt Ave & Elkhorn	D	xxxxx 0.883	D	xxxxx 0.883	+ 0.000 V/C
#314 Walerga Rd & Elkhorn	B	xxxxx 0.658	B	xxxxx 0.658	+ 0.000 V/C

FR25AM Thu Sep 12, 2013 16:31:57 Page 3-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: AM Peak Hour

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): 0.879
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: 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: 181 1337 130 236 1889 491 511 718 74 219 686 416
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 181 1337 130 236 1889 491 511 718 74 219 686 416
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 181 1337 130 236 1889 491 511 718 74 219 686 416
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 181 1337 130 236 1889 491 511 718 74 219 686 416
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 181 1337 130 236 1889 491 511 718 74 219 686 416

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: 0.06 0.30 0.09 0.08 0.42 0.33 0.17 0.24 0.05 0.07 0.23 0.28
Crit Volume: 91 630 256 343
Crit Moves: ****

FR25AM Thu Sep 12, 2013 16:31:57 Page 4-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: AM Peak Hour

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): 0.900
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: 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: 86 787 297 557 1503 89 169 1139 293 352 802 500
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 86 787 297 557 1503 89 169 1139 293 352 802 500
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 86 787 297 557 1503 89 169 1139 293 352 802 500
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 86 787 297 557 1503 89 169 1139 293 352 802 500
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 86 787 297 557 1503 89 169 1139 293 352 802 500

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 3.00 1.00 2.00 3.00 1.00
Final Sat.: 3000 3000 1500 3000 3000 1500 3000 4500 1500 3000 4500 1500

Capacity Analysis Module:
Vol/Sat: 0.03 0.26 0.20 0.19 0.50 0.06 0.06 0.25 0.20 0.12 0.18 0.33
Crit Volume: 43 752 380 176
Crit Moves: ****

FR25AM Thu Sep 12, 2013 16:31:57 Page 5-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: AM Peak Hour

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): 1.177
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:	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:	186	1014	14	61	1518	245	238	350	274	276	583	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:	186	1014	14	61	1518	245	238	350	274	276	583	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:	186	1014	14	61	1518	245	238	350	274	276	583	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	186	1014	14	61	1518	245	238	350	274	276	583	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:	186	1014	14	61	1518	245	238	350	274	276	583	89

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:	0.12	0.34	0.01	0.04	0.51	0.16	0.16	0.12	0.18	0.18	0.39	0.06
Crit Volume:	186			759			238			583		
Crit Moves:	****			****			****			****		

FR25AM Thu Sep 12, 2013 16:31:57 Page 6-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: AM Peak Hour

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): 0.626
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:	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	1	2	0	1	0	1	1

Volume Module:

Base Vol:	253	714	76	96	1089	347	201	287	99	149	303	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:	253	714	76	96	1089	347	201	287	99	149	303	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:	253	714	76	96	1089	347	201	287	99	149	303	16
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	253	714	76	96	1089	347	201	287	99	149	303	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:	253	714	76	96	1089	347	201	287	99	149	303	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:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	1.49	0.51	2.00	2.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	2231	769	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.08	0.24	0.05	0.03	0.36	0.23	0.07	0.13	0.13	0.05	0.10	0.01
Crit Volume:	127			545			193		75			
Crit Moves:	****			****			****		****	****		

FR25AM Thu Sep 12, 2013 16:31:57 Page 7-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: AM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #313 Watt Ave & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.883
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:	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	3

Volume Module:

Base Vol:	168	845	93	176	2118	359	211	843	341	227	708	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:	168	845	93	176	2118	359	211	843	341	227	708	207
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	168	845	93	176	2118	359	211	843	341	227	708	207
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	168	845	93	176	2118	359	211	843	341	227	708	207
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	168	845	93	176	2118	359	211	843	341	227	708	207

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:	0.06	0.19	0.06	0.06	0.47	0.24	0.07	0.28	0.23	0.08	0.24	0.14
Crit Volume:	84			706			422			113		
Crit Moves:	****			****			****			****		

FR25AM Thu Sep 12, 2013 16:31:57 Page 8-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: AM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.658
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			Ovl			
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	
Y+R:	4.0	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	3

Volume Module:

Base Vol:	156	528	149	458	1108	143	47	989	174	26	869	407
Growth Adj:	1.00	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	528	149	458	1108	143	47	989	174	26	869	407
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	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	528	149	458	1108	143	47	989	174	26	869	407
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	156	528	149	458	1108	143	47	989	174	26	869	407
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	156	528	149	458	1108	143	47	989	174	26	869	407

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	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.18	0.10	0.15	0.37	0.10	0.03	0.22	0.12	0.02	0.19	0.27
Crit Volume:	78			554			330			26		
Crit Moves:	****			****			****			****		

FR25PMThu Sep 12, 2013 16:32:06Page 1-1

City of Roseville
Fiddymnt SPA 3
2025 CIP Plus Project Sacramento Co: PM Peak Hour

Scenario Report

Scenario:FR25PM

Command:FR25PM

Volume:FR25PM

Geometry:CUM

Impact Fee:Default Impact Fee

Trip Generation:Default Trip Generation

Trip Distribution:Default Trip Distribution

Paths:Default Path

Routes:Default Route

Configuration:Cum No Project PM

FR25PM

Thu Sep 12, 2013 16:32:06

Page 2-1

City of Roseville

Fiddymnt SPA 3

2025 CIP Plus Project Sacramento Co: PM Peak Hour

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	E xxxxx	0.996	E xxxxx	0.996	+ 0.000 V/C
#310 Walerga Rd & Elverta Rd	F xxxxx	1.098	F xxxxx	1.098	+ 0.000 V/C
#311 Watt Ave & Antelope Rd	F xxxxx	1.208	F xxxxx	1.208	+ 0.000 V/C
#312 Walerga Rd & Antelope Rd	D xxxxx	0.862	D xxxxx	0.862	+ 0.000 V/C
#313 Watt Ave & Elkhorn	F xxxxx	1.042	F xxxxx	1.042	+ 0.000 V/C
#314 Walerga Rd & Elkhorn	D xxxxx	0.897	D xxxxx	0.897	+ 0.000 V/C

FR25PM Thu Sep 12, 2013 16:32:06 Page 3-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: PM Peak Hour

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): 0.996
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:	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	2	0	1	2	0

Volume Module:

Base Vol:	223	1960	433	420	1332	427	414	1032	163	230	776	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:	223	1960	433	420	1332	427	414	1032	163	230	776	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:	223	1960	433	420	1332	427	414	1032	163	230	776	304
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	223	1960	433	420	1332	427	414	1032	163	230	776	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:	223	1960	433	420	1332	427	414	1032	163	230	776	304

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:	0.07	0.44	0.29	0.14	0.30	0.28	0.14	0.34	0.11	0.08	0.26	0.20
Crit Volume:	653			210			516			115		
Crit Moves:	****			****			****			****		

FR25PM Thu Sep 12, 2013 16:32:06 Page 4-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: PM Peak Hour

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): 1.098
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:	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

Volume Module:

Base Vol:	253	1246	381	747	1235	96	404	1192	99	446	1347	602
Growth Adj:	1.00	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	1246	381	747	1235	96	404	1192	99	446	1347	602
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	253	1246	381	747	1235	96	404	1192	99	446	1347	602
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	253	1246	381	747	1235	96	404	1192	99	446	1347	602
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	253	1246	381	747	1235	96	404	1192	99	446	1347	602

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	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	4500	1500	3000	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.08	0.42	0.25	0.25	0.41	0.06	0.13	0.26	0.07	0.15	0.30	0.40
Crit Volume:	623			374			202			449		
Crit Moves:	****			****			****			****		

FR25PM Thu Sep 12, 2013 16:32:06 Page 5-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: PM Peak Hour

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): 1.208
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:	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:	280	1489	255	143	1260	237	402	715	148	152	500	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:	280	1489	255	143	1260	237	402	715	148	152	500	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:	280	1489	255	143	1260	237	402	715	148	152	500	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	280	1489	255	143	1260	237	402	715	148	152	500	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:	280	1489	255	143	1260	237	402	715	148	152	500	89

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:	0.19	0.50	0.17	0.10	0.42	0.16	0.27	0.24	0.10	0.10	0.33	0.06
Crit Volume:	280			630			402			500		
Crit Moves:	****			****			****			****		

FR25PM Thu Sep 12, 2013 16:32:06 Page 6-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: PM Peak Hour

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): 0.862
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 166 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:	2	0	2	0	1	1	2	0	1	0	2	0

Volume Module:

Base Vol:	283	1317	105	279	888	299	512	388	297	237	479	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:	283	1317	105	279	888	299	512	388	297	237	479	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:	283	1317	105	279	888	299	512	388	297	237	479	113
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	283	1317	105	279	888	299	512	388	297	237	479	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:	283	1317	105	279	888	299	512	388	297	237	479	113

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	1.13	0.87	2.00	2.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	3000	1699	1301	3000	3000	1500

Capacity Analysis Module:

Vol/Sat:	0.09	0.44	0.07	0.09	0.30	0.20	0.17	0.23	0.23	0.08	0.16	0.08
Crit Volume:	659			140			256			240		
Crit Moves:	****			****			****			****		

FR25PM Thu Sep 12, 2013 16:32:06 Page 7-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #313 Watt Ave & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 1.042
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:	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	2	0	1	2	0

Volume Module:

Base Vol:	313	1970	228	352	1197	325	459	914	275	314	1003	303
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	313	1970	228	352	1197	325	459	914	275	314	1003	303
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	313	1970	228	352	1197	325	459	914	275	314	1003	303
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	313	1970	228	352	1197	325	459	914	275	314	1003	303
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	313	1970	228	352	1197	325	459	914	275	314	1003	303

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	0.44	0.15	0.12	0.27	0.22	0.15	0.30	0.18	0.10	0.33	0.20
Crit Volume:	657			176			230			502		
Crit Moves:	****			****			****			****		

FR25PM Thu Sep 12, 2013 16:32:06 Page 8-1

City of Roseville
Fiddymt SPA 3
2025 CIP Plus Project Sacramento Co: PM Peak Hour

Level Of Service Computation Report
Circular 212 Planning Method (Base Volume Alternative)

Intersection #314 Walerga Rd & Elkhorn

Cycle (sec): 100 Critical Vol./Cap.(X): 0.897
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:	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	0	3

Volume Module:

Base Vol:	151	946	40	510	744	77	103	1176	149	226	1396	343
Growth Adj:	1.00	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	946	40	510	744	77	103	1176	149	226	1396	343
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	151	946	40	510	744	77	103	1176	149	226	1396	343
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	151	946	40	510	744	77	103	1176	149	226	1396	343
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	151	946	40	510	744	77	103	1176	149	226	1396	343

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	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	3000	1500	3000	3000	1500	1500	4500	1500	1500	4500	1500

Capacity Analysis Module:

Vol/Sat:	0.05	0.32	0.03	0.17	0.25	0.05	0.07	0.26	0.10	0.15	0.31	0.23
Crit Volume:	473			255			392			226		
Crit Moves:	****			****			****			****		

