FINAL

SAN JOSE DOWNTOWN STRATEGY 2000
ENVIRONMENTAL IMPACT REPORT

TECHNICAL APPENDICES
VOLUME 2b

STATE CLEARINGHOUSE NO. 2003042127

LSA

June 2005
FINAL

SAN JOSE DOWNTOWN STRATEGY 2000
ENVIRONMENTAL IMPACT REPORT

TECHNICAL APPENDICES
VOLUME 2b

STATE CLEARINGHOUSE NO. 2003042127

Submitted to the:

City of San Jose
801 North First Street, Room 400
San Jose, CA 95110-1795
408.277.4576

Prepared by:

LSA Associates, Inc.
2215 Fifth Street
Berkeley, CA 94710
510.540.7331

LSA

June 2005
Transportation Impact Analysis,
which began in Volume 2-a
of Technical Appendices,
continues here
Intersection #3628: KING/STORY

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>Signal=Protect/Rights=Overlap</th>
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<tbody>
<tr>
<td>Lanes:</td>
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| Final Vol: | 200 1465*** 25 |

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<tr>
<th>Approach: Movement:</th>
<th>North Bound</th>
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<th>East Bound</th>
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<tr>
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<td>Min. Green: 7 10 10</td>
<td>7 10 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
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| Volume Module: Count Date: | 27 Apr 2000 |
|-----------------------------|--|-----------|
| Base Vol: 200 1469 25 102 398 212 566 257 95 74 551 137 |
| Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Initial Bsp: 200 1469 25 102 398 212 566 257 95 74 551 137 |
| Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Passer By Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Initial Fut: 200 1469 25 102 398 212 566 257 95 74 551 137 |
| User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| PHF Volume: 200 1469 25 102 398 212 566 257 95 74 551 137 |
| Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Reduced Vol: 200 1469 25 102 398 212 566 257 95 74 551 137 |
| PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Final Vol: 200 1469 25 102 398 212 566 257 95 74 551 137 |

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<tr>
<th>Saturation Flow Module:</th>
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<tr>
<td>Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800</td>
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<td>Adjustment: 0.97 1.03 1.00 0.97 1.06 0.97 0.88 1.06 0.97 0.88 1.06 0.97</td>
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<td>Lanes: 1.00 1.00 0.03 1.00 2.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00</td>
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<tr>
<td>Final Sat.: 1750 3638 62 1750 3800 1750 3150 5700 1750 3150 5700 1750</td>
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<tr>
<th>Capacity Analysis Module:</th>
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<tr>
<td>Vol/Sat: 0.11 0.40 0.40 0.06 0.10 0.12 0.18 0.05 0.05 0.02 0.10 0.08</td>
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<td>Crit Moves: ****** ****** ****** ****** ****** ******</td>
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<tr>
<td>Green Time: 41.8 70.0 70.0 10.1 38.3 69.4 31.1 28.2 70.0 19.7 16.8 26.9</td>
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<td>Volume/Cap: 0.38 0.81 0.81 0.81 0.38 0.24 0.81 0.22 0.11 0.17 0.81 0.41</td>
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<tr>
<td>Delay/Veh: 29.8 24.3 24.3 69.0 31.5 15.4 44.1 35.6 14.1 40.2 50.6 38.2</td>
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<td>Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Prog Adj/Epcri: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Adj Del/Veh: 29.8 24.3 24.3 69.0 31.5 15.4 44.1 35.6 14.1 40.2 50.6 38.2</td>
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<tr>
<td>Design Queue: 11 64 1 7 23 9 36 16 4 5 39 9</td>
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Intersection #3650: LINCOLN/MINNESOTA

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

Min. Green:  10 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 3 Apr 2000 <<
Base Vol: 110 1353 112 52 239 45 96 222 39 67 304 107
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 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 110 1353 112 52 239 45 96 222 39 67 304 107
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 110 1353 112 52 239 45 96 222 39 67 304 107
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 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 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 110 1353 112 52 239 45 96 222 39 67 304 107
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 110 1353 112 52 239 45 96 222 39 67 304 107
PEF Adj: 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 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PEF Volume: 110 1353 112 52 239 45 96 222 39 67 304 107
MLF Adj: 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 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 110 1353 112 52 239 45 96 222 39 67 304 107

Saturation Flow Module:
Adjustment: 0.95 0.97 0.90 0.93 0.97 0.97 0.93 0.97 0.94 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 0.15 0.15 0.12 0.15 0.15 0.12 0.15 0.15 0.12 0.15 0.15 0.12 0.15 0.15 0.12 0.15 0.15 0.12 0.15 0.15 0.12 0.15
Final Sat.: 278 3422 1750 661 3038 1750 1750 3147 553 1750 2736 963

Capacity Analysis Module:
Vol/Sat: 0.40 0.40 0.06 0.08 0.08 0.03 0.05 0.07 0.07 0.04 0.11 0.11
Crit Moves: **** **** **** ****
Green Time: 85.1 85.1 85.1 16.9 16.9 16.9 23.9 23.9 23.9 23.9 23.9 23.9
Volume/Cap: 0.63 0.63 0.63 0.01 0.63 0.01 0.31 0.40 0.40 0.22 0.63 0.63
Delay/Veh: 12.0 12.0 7.5 44.5 44.5 40.3 36.9 37.6 37.6 36.2 40.4 40.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 12.0 12.0 7.5 44.5 44.5 40.3 36.9 37.6 37.6 36.2 40.4 40.4
DesignQueue: 3 42 3 3 16 3 6 14 2 4 19 7

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**Intersection #3650: LINCOLN/MINNESOTA**

- **Final Vol:**
  - Lanes: 47 1 0 1 1 0
  - Signal=Split Rights=Include
- **Vol Crt Date:** 4/32000
- **Cycle Time (sec):** 135
- **Loss Time (sec):** 9
- **Critical Vic:** 0.648
- **Avg Crit Del (sec/veh):** 22.1
- **Avg Delay (sec/veh):** 24.1
- **Lanes:** 0 1 1
- **Final Vol:** 1 111
- **Signal=Permit Rights=Include

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
<td>I</td>
<td>114 1398</td>
<td>116 54 247</td>
<td>47 99 229</td>
<td>40 69 314 111</td>
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<tr>
<td>II</td>
<td>1.00 1.00</td>
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<tr>
<td>Initial Bae</td>
<td>114 1398</td>
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<td>40 69 314 111</td>
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<tr>
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<td>Initial Fut</td>
<td>114 1398</td>
<td>116 54 247</td>
<td>47 99 229</td>
<td>40 69 314 111</td>
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<td>User Adj</td>
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<td>1.00 1.00</td>
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<td>116 54 247</td>
<td>47 99 229</td>
<td>40 69 314 111</td>
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<td>Reduct Vol</td>
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<td>0 0 0 0</td>
<td>0 0 0 0</td>
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<tr>
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<td>116 54 247</td>
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<td>PCE Adj</td>
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<td>1.00 1.00</td>
<td>1.00 1.00</td>
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<td>1.00 1.00</td>
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<td>116 54 247</td>
<td>47 99 229</td>
<td>40 69 314 111</td>
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- **Saturation Flow Module:*
  - Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
  - Adjustment: 1.00 1.03 0.97 1.00 1.03 0.97 1.03 1.00 0.97 1.04 1.00 |
  - Lanes: 0.15 1.85 1.00 0.37 1.63 1.00 1.00 1.69 0.31 1.00 1.46 0.54 |
  - Final Sat.: 279 342 1750 664 3036 1750 1750 3149 550 1750 2733 966 |

- **Capacity Analysis Module:*
  - Vol/Sat: 0.41 0.41 0.07 0.08 0.08 0.03 0.06 0.07 0.07 0.04 0.11 0.11 |
  - Green Time: **** **** **** |
  - Volume/Cap: 85.1 85.1 85.1 16.9 16.9 16.9 23.9 23.9 23.9 23.9 23.9 23.9 |
  - Delay/Veh: 12.3 12.3 7.5 44.9 44.9 40.4 37.0 37.7 37.7 36.2 40.8 40.8 |

- **Design Queue:** 4 43 3 4 17 3 6 14 3 4 20 7
Intersection #3653: LINCOLN/SAN CARLOS

Final Vol: 16 63 11 0 0 13
Lanes: 1 2 3

Signal=SplitRights=Include

Vol Crit Date: 3/6/2001
Cycle Time (sec): 120
Signal=Protect
Loss Time (sec): 12
Rights=Include

Critical V/C: 0.642
Avg Crit Del (sec/veh): 28.3

Avg Delay (sec/veh): 23.2

LOS: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 6 Mar 2001 <<
Base Vol: 576 391 270 13 63 16 104 514 237 62 492 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
Initial Bae: 576 391 270 13 63 16 104 514 237 62 492 15
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 576 391 270 13 63 16 104 514 237 62 492 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
PHE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHE Volume: 576 391 270 13 63 16 104 514 237 62 492 15
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 576 391 270 13 63 16 104 514 237 62 492 15

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 0.97 0.97 0.97 1.06 0.97 0.97 1.03 1.00
Lanes: 1.00 1.00 0.14 0.69 0.17 1.00 2.00 1.00 1.00 1.94 0.06
Final Sat.: 1750 1900 1750 247 1198 304 1750 3800 1750 1750 3590 109

Capacity Analysis Module:
Vol/Sat: 0.33 0.21 0.15 0.05 0.05 0.05 0.06 0.14 0.14 0.04 0.14 0.14
Crit Moves: **** **** **** ****
Green Time: 61.4 61.4 68.4 10.0 10.0 10.0 11.1 29.6 91.0 7.0 25.5 25.5
Volume/Cap: 0.64 0.40 0.27 0.63 0.63 0.64 0.55 0.18 0.61 0.64 0.64
Delay/Veh: 17.4 13.9 10.0 46.2 46.2 46.2 45.7 30.4 3.1 48.7 34.0 34.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjCnt: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 17.4 13.9 10.0 46.2 46.2 46.2 45.7 30.4 3.1 48.7 34.0 34.0
DesignQueue: 20 13 8 1 4 1 6 27 4 4 27 1
### Intersection #3653: LINCOLN/SAN CARLOS

**Final Vol:**
- **Lanes:** 17 0 11 0
- **Signal=SplitRights=Include** 88 88 14

**Vol Crt Date:** 3/8/2001
- **Cycle Time (sec):** 120
- **Loss Time (sec):** 12
- **Critical VIC:** 0.691
- **Avg Crit Del (sec/veh):** 29.6
- **Avg Delay (sec/veh):** 24.0
- **LOS:** C

**Lanes:** 1 0 1 0

### Approach

<table>
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<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
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<thead>
<tr>
<th>Min. Green</th>
<th>10 10 10 10 10 10 10</th>
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</table>

**Volume Module:**
- **Count Date:** 6 Mar 2001
- **Base Vol:** 620 421 291 14 68 17 112 553 255 67 529 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:** 620 421 291 14 68 17 112 553 255 67 529 16
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **PasserByVol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 620 421 291 14 68 17 112 553 255 67 529 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:** 620 421 291 14 68 17 112 553 255 67 529 16
- **Reduced Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 620 421 291 14 68 17 112 553 255 67 529 16
- **PCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Final Vol:** 620 421 291 14 68 17 112 553 255 67 529 16

**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 0.97 0.97 0.97 0.97 0.97 0.97 1.03 1.00
- **Lanes:** 1.00 1.00 1.00 0.14 0.69 0.17 1.00 2.00 1.00 1.00 1.94 0.06
- **Final Sat:** 1750 1900 1750 247 1202 301 1750 3800 1750 1750 3591 109

**Capacity Analysis Module:**
- **Vol/Sat:** 0.35 0.22 0.17 0.06 0.06 0.06 0.06 0.06 0.15 0.15 0.04 0.15 0.15
- **Crit Moves:** **** **** **** ****
- **Green Time:** 61.4 61.4 68.4 10.0 10.0 10.0 11.1 29.6 91.0 7.0 25.5 25.5
- **Volume/Cap:** 0.69 0.43 0.29 0.68 0.68 0.68 0.69 0.59 0.19 0.66 0.69 0.69
- **Delay/Veh:** 18.5 14.2 10.2 48.6 48.6 48.6 48.6 48.1 31.0 3.1 51.5 35.0 35.0
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 18.5 14.2 10.2 48.6 48.6 48.6 48.6 48.1 31.0 3.1 51.5 35.0 35.0
- **DesignQueue:** 22 15 9 1 4 1 7 29 4 4 29 1

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### Intersection #3654: LINCOLN/WILLOW

**Final Vol:**
- **Lanes:** 69 1 0 1 0 0
- **Vol Crit Date:** 10/31/2001
- **Cycle Time (sec):** 135
- **Loss Time (sec):** 9
- **Critical V/C:** 0.756
- **Avg Crit Del (sec/veh):** 30.2
- **Avg Delay (sec/veh):** 29.3
- **LOS:** D

**Approach:**
- **North Bound**
  - **Movement:** L - T - R
  - **Min. Green:** 10 10 10 10 10 10 10 10 10 10 10 10
  - **Base Vol:** 90 1222 96 86 299 69 133 142 78 75 247 197
  - **Growth Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Initial Bse:** 90 1222 96 86 299 69 133 142 78 75 247 197
  - **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **ATI:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **Initial Fut:** 90 1222 96 86 299 69 133 142 78 75 247 197
  - **User Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **PHF Adj:** 1.00 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 1222 96 86 299 69 133 142 78 75 247 197
  - **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **Reduced Vol:** 90 1222 96 86 299 69 133 142 78 75 247 197
  - **PCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Final Vol.:** 90 1222 96 86 299 69 133 142 78 75 247 197

**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 1.00 1.03 0.97 1.00 1.04 0.97 0.97 1.00 1.00 0.97 1.00 1.00
- **Lanes:** 0.14 1.86 1.00 0.46 1.54 1.00 1.00 0.65 0.35 1.00 0.56 0.44
- **Final Sat.:** 254 3446 1750 826 2873 1750 1750 1162 638 1750 1001 799

**Capacity Analysis Module:**
- **Vol/Sat:** 0.35 0.35 0.05 0.10 0.10 0.04 0.08 0.12 0.12 0.04 0.25 0.25
- **Crit Moves:** **** ****
- **Green Time:** 63.3 63.3 63.3 18.6 18.6 18.6 44.1 44.1 44.1 44.1 44.1 44.1
- **Volume/Cap:** 0.76 0.76 0.12 0.76 0.76 0.29 0.23 0.37 0.37 0.13 0.76 0.76
- **Delay/Veh:** 23.8 23.8 15.3 47.0 47.0 39.9 25.2 26.7 26.7 24.3 34.8 34.8
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 23.8 23.8 15.3 47.0 47.0 39.9 25.2 26.7 26.7 24.3 34.8 34.8
- **DesignQueue:** 4 54 4 6 20 5 7 7 4 4 13 11

Traffic 7.5.0115

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Intersection #3654: LINCOLN/WILLOW

Approach: North Bound  South Bound  East Bound  West Bound
Movement:  L - T - R  L - T - R  L - T - R  L - T - R
Min. Green: 10 10 10 10 10 10 10 10
Volume Module: >> Count Date: 31 Oct 2001 << 7:45-8:45AM
Base Vol: 93 1265 99 89 309 71 138 147 81 78 256 204
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 93 1265 99 89 309 71 138 147 81 78 256 204
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 92 1265 99 89 309 71 138 147 81 78 256 204
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
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: 93 1265 99 89 309 71 138 147 81 78 256 204
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 93 1265 99 89 309 71 138 147 81 78 256 204
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 93 1265 99 89 309 71 138 147 81 78 256 204

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.03 0.97 1.00 1.04 0.97 0.97 1.00 1.00 0.97 1.00 1.00
Lanes: 0.14 1.86 1.00 0.46 1.54 1.00 1.00 0.64 0.36 1.00 0.56 0.44
Final Sat.: 253 3446 1750 827 2872 1750 1750 1161 639 1750 1002 798

Capacity Analysis Module:
Vol/Sat: 0.37 0.37 0.06 0.11 0.11 0.04 0.08 0.13 0.13 0.04 0.26 0.26
Crit Moves: **** **** ****
Green Time: 63.3 63.3 63.3 18.6 18.6 18.6 44.1 44.1 44.1 44.1 44.1 44.1
Volume/Cap: 0.78 0.78 0.12 0.78 0.78 0.30 0.24 0.39 0.39 0.14 0.78 0.78
Delay/Veh: 24.5 24.5 15.3 48.1 48.1 40.0 25.3 26.9 26.9 24.4 35.9 35.9
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjPctrx: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 24.5 24.5 15.3 48.1 48.1 40.0 25.3 26.9 26.9 24.4 35.9 35.9
DesignQueue: 4 56 4 6 21 5 7 8 4 4 14 11
Intersection #3666: MARGARET WAY/SEVENTH

Final Vol: 34 194 0
Lanes: 1 1 0 0

Signal=Permits/Rights=Overlap

Vol Crit Date: 3/27/2001
Cycle Time (sec): 75
Loss Time (sec): 6
Critical VC: 0.421
Avg Crit Del (sec/veh): 8.8
Avg Delay (sec/veh): 9.6
LOS: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 0 0 10 10 0 0 0 0 0 0 10 10 10
Volume Module: >> Count Date: 27 Mar 2001 <<
Base Vol: 168 279 0 0 194 34 0 0 0 351 540 114
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: 168 279 0 0 194 34 0 0 0 351 540 114
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 168 279 0 0 194 34 0 0 0 351 540 114
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: 168 279 0 0 194 34 0 0 0 351 540 114
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 168 279 0 0 194 34 0 0 0 351 540 114
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
Final Vol.: 168 279 0 0 194 34 0 0 0 351 540 114

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 1.00 1.05 0.97
Lanes: 1.00 1.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 0.00 0.81 1.19 1.00
Final Sat.: 1750 1900 0 0 1900 1750 0 0 0 1457 2241 1750

Capacity Analysis Module:
Vol/Sat: 0.10 0.15 0.00 0.00 0.10 0.02 0.00 0.00 0.00 0.24 0.24 0.07
Crit Move: ****
Green Time: 26.1 26.1 0.0 0.0 26.1 26.1 0.0 0.0 0.0 42.9 42.9 42.9
Volume/Cap: 0.28 0.42 0.00 0.00 0.29 0.06 0.00 0.00 0.00 0.42 0.42 0.11
Delay/Veh: 13.5 14.5 0.0 0.0 13.6 12.3 0.0 0.0 0.0 7.0 7.0 5.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 13.5 14.5 0.0 0.0 13.6 12.3 0.0 0.0 0.0 7.0 7.0 5.6
DesignQueue: 5 8 0 0 5 1 0 0 0 7 10 2
Intersection #3666: MARGARET WAY/SEVENTH

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<tr>
<td>Signal=Permit/Rights=Overlap</td>
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<tr>
<td>Vol Ctrl Date: 3/27/2001</td>
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<tr>
<td>Cycle Time (sec): 75</td>
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<td>Loss Time (sec): 6</td>
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<tr>
<td>Critical VIC: 0.510</td>
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<tr>
<td>Avg Crit Del (sec/veh): 9.4</td>
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<tr>
<td>Avg Delay (sec/veh): 10.2</td>
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<td>Final Vol: 429***</td>
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<td>Lanes: 1 0 1 0 0</td>
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Approach: North Bound South Bound East Bound West Bound

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<tr>
<td>Base Vol: 203 338 0 0 235 41 0 0 0 425 653 138</td>
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<tr>
<td>Initial Bse: 203 338 0 0 235 41 0 0 0 425 653 138</td>
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<td>Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>Initial Fut: 203 338 0 0 235 41 0 0 0 425 653 138</td>
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<td>User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Final Vol: 203 338 0 0 235 41 0 0 0 425 653 138</td>
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</tbody>
</table>

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 |
| Lanes: 1.00 1.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Final Sat.: 1750 1900 0 0 1900 1750 0 0 0 1458 2240 1750 |

Saturation Flow Module:

| Vol/Sat: 0.12 0.18 0.00 0.00 0.12 0.02 0.00 0.00 0.00 0.29 0.29 0.08 |
| Critical Moves: **** |
| Green Time: 26.2 26.2 0.0 0.0 26.2 26.2 0.0 0.0 0.0 42.8 42.8 42.8 |
| Volume/Cap: 0.33 0.51 0.00 0.00 0.35 0.07 0.00 0.00 0.00 0.51 0.51 0.14 |
| Delay/Veh: 13.8 15.3 0.0 0.0 13.9 12.4 0.0 0.0 0.0 7.6 7.6 5.7 |
| Design Queue: 6 10 0 0 7 1 0 0 0 8 13 3 |
### Intersection #3667: MARKET/SAN FERNANDO

**Signal=Permit/Rights=Include**

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<th>Lane</th>
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<tr>
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**Cycle Time (sec):** 100
**Loss Time (sec):** 6
**Critical V/C:** 0.413
**Avg Crit Delay (sec/veh):** 12.0
**Avg Delay (sec/veh):** 11.5

**LOS:** B

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<tr>
<td>Final Vol:</td>
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**Approach:**

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<th>R</th>
<th>L</th>
<th>T</th>
<th>R</th>
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<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
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<td>Volume Module:</td>
<td>&gt;&gt; Count Date: 21 Feb 2001 &lt;&lt;</td>
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</tr>
</tbody>
</table>

| Base Vol: | 123 | 770 | 58 | 71 | 207 | 59 | 52 | 256 | 40 | 35 | 130 | 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 |
| Initial Bse: | 123 | 770 | 58 | 71 | 207 | 59 | 52 | 256 | 40 | 35 | 130 | 49 |
| Added Vol: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ATI: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Initial Fut: | 123 | 770 | 58 | 71 | 207 | 59 | 52 | 256 | 40 | 35 | 130 | 49 |
| User Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PHF Volume: | 123 | 770 | 58 | 71 | 207 | 59 | 52 | 256 | 40 | 35 | 130 | 49 |
| Reduced Vol: | 123 | 770 | 58 | 71 | 207 | 59 | 52 | 256 | 40 | 35 | 130 | 49 |
| PCE Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MIV Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| MIV Volume: | 123 | 770 | 58 | 71 | 207 | 59 | 52 | 256 | 40 | 35 | 130 | 49 |

**Saturation Flow Module:**

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<td>Final Sat.</td>
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**Capacity Analysis Module:**

| Vol/Sat: | 0.07 | 0.22 | 0.22 | 0.04 | 0.05 | 0.03 | 0.03 | 0.16 | 0.16 | 0.06 | 0.06 |
| Green Time: | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 39.8 | 39.8 | 39.8 |
| Volume/Cap: | 0.13 | 0.41 | 0.41 | 0.07 | 0.10 | 0.06 | 0.07 | 0.41 | 0.41 | 0.15 | 0.15 |
| Delay/Veh: | 8.6 | 10.4 | 10.4 | 8.3 | 8.4 | 8.3 | 14.2 | 16.7 | 16.7 | 14.6 | 14.6 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| ProgAdjFctr: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 8.6 | 10.4 | 10.4 | 8.3 | 8.4 | 8.3 | 14.2 | 16.7 | 16.7 | 14.6 | 14.6 |
| DesignQueue: | 3 | 21 | 2 | 2 | 5 | 2 | 9 | 2 | 1 | 4 | 2 |
### Intersection #3667: MARKET/SAN FERNANDO

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**Vol Ctrl Date:** 2/21/2001  
**Cycle Time (sec):** 100  
**Loss Time (sec):** 6  
**Critical V/C:** 0.469  
**Avg Crit Del (sec/veh):** 11.5  
**Avg Delay (sec/veh):** 11.4

**LOS:** B

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| 1 0 1 | 151 71 71  

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<th>L</th>
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<tr>
<td><strong>Base Vol:</strong></td>
<td>151 948 71 87 255 73 64 315 49 43 160 60</td>
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<td><strong>Growth Adj:</strong></td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td><strong>Initial Bse:</strong></td>
<td>151 948 71 87 255 73 64 315 49 43 160 60</td>
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<tr>
<td><strong>Added Vol:</strong></td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
<td></td>
</tr>
<tr>
<td><strong>PasserByVol:</strong></td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
<td></td>
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<tr>
<td><strong>Initial Fut:</strong></td>
<td>151 948 71 87 255 73 64 315 49 43 160 60</td>
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<tr>
<td><strong>User Adj:</strong></td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
</tr>
<tr>
<td><strong>PHF Adj:</strong></td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
</tr>
<tr>
<td><strong>PHF Volume:</strong></td>
<td>151 948 71 87 255 73 64 315 49 43 160 60</td>
<td></td>
</tr>
<tr>
<td><strong>Reduct Vol:</strong></td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td><strong>Reduced Vol:</strong></td>
<td>151 948 71 87 255 73 64 315 49 43 160 60</td>
<td></td>
</tr>
<tr>
<td><strong>PCE Adj:</strong></td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
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<tr>
<td><strong>MLF Adj:</strong></td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td><strong>Final Vol:</strong></td>
<td>151 948 71 87 255 73 64 315 49 43 160 60</td>
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<tr>
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<th><strong>West Bound</strong></th>
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<tbody>
<tr>
<td><strong>Volume/Lane:</strong></td>
<td>1800 1800 1800 1800</td>
<td>1800 1800 1800 1800</td>
<td>1800 1800 1800 1800</td>
<td>1800 1800 1800 1800</td>
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<td><strong>Adjustment:</strong></td>
<td>0.97 1.03 1.00 0.97</td>
<td>1.06 0.97 1.06 0.97</td>
<td>0.97 1.00 1.00 0.97</td>
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<td><strong>Lanes:</strong></td>
<td>1.00 1.86 0.14 1.00</td>
<td>2.00 1.00 1.00 1.00</td>
<td>1.00 0.73 0.27 1.00</td>
<td>1.00 0.73 0.27 1.00</td>
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<tr>
<td><strong>Final Sat.:</strong></td>
<td>1750 3442 258 1750</td>
<td>3800 1750 1750 1900</td>
<td>1750 1750 1750 1309</td>
<td>491 1750</td>
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<tr>
<td><strong>Crit Moves:</strong></td>
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<tr>
<td><strong>Green Time:</strong></td>
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<tr>
<td><strong>Volume/Cap:</strong></td>
</tr>
<tr>
<td><strong>Delay/Veh:</strong></td>
</tr>
<tr>
<td><strong>Design Queue:</strong></td>
</tr>
</tbody>
</table>
Intersection #3670: MARKET/SANTA CLARA

Final Vol: 108 1 397 90

Vol Crit Date: 2/21/2001
Cycle Time (sec): 100
Loss Time (sec): 9
Critical V/C: 0.644
Avg Crit Def (sec/veh): 18.8
Avg Delay (sec/veh): 18.8

Final Vol: 0 180

Min. Green: 7 10 10 7 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 21 Feb 2001 <<
Base Vol: 143 1123 58 90 397 108 167 819 224 76 529 180
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: 143 1123 58 90 397 108 167 819 224 76 529 180
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 143 1123 58 90 397 108 167 819 224 76 529 180
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 143 1123 58 90 397 108 167 819 224 76 529 180
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Fut: 143 1123 58 90 397 108 167 819 224 76 529 180
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 143 1123 58 90 397 108 167 819 224 76 529 180

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.04 0.97 1.04 1.00 0.97 1.06 0.97 1.04 1.00
Lanes: 1.00 1.00 0.10 1.00 1.56 0.44 1.00 2.00 1.00 1.00 1.48 0.52
Final Sat.: 1750 3518 182 1750 2908 791 1750 3800 1750 1750 2760 939

Capacity Analysis Module:
Vol/Sat: 0.08 0.32 0.32 0.05 0.14 0.14 0.10 0.22 0.13 0.04 0.19 0.19
Crit Moves: **** ****
Green Time: 21.5 49.6 49.6 8.0 36.0 36.0 33.5 33.5 55.0 33.5 33.5 33.5
Volume/Cap: 0.38 0.64 0.64 0.64 0.38 0.38 0.29 0.64 0.23 0.13 0.57 0.57
Delay/Veh: 25.8 14.8 14.8 40.5 18.1 18.1 18.7 22.3 8.8 17.6 21.3 21.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 25.8 14.8 14.8 40.5 18.1 18.1 18.7 22.3 8.8 17.6 21.3 21.3
DesignQueue: 6 34 2 5 15 4 6 32 6 3 21 7
**Level Of Service Computation Report**
1985 HCM Operations (Future Volume Alternative)
Existing (AM)

### Intersection #3671: MARKET/ST. JAMES

<table>
<thead>
<tr>
<th>Final Vol</th>
<th>Signal=Protect/</th>
<th>Rights=Include</th>
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<tbody>
<tr>
<td>Lanes:</td>
<td>0 0 2 0 1</td>
<td>97***</td>
</tr>
<tr>
<td>512</td>
<td>1</td>
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<tr>
<td>648***</td>
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<thead>
<tr>
<th>Final Vol</th>
<th>Signal=Split</th>
<th>Rights=Include</th>
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<tbody>
<tr>
<td>Lanes:</td>
<td>0 0 2 1 0</td>
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</tr>
<tr>
<td>803***</td>
<td>0</td>
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</table>

**Vol Crt Date:** 2/21/2001
**Cycle Time (sec):** 100
**Loss Time (sec):** 9
**Critical V/C:** 0.485
**Avg Crit Del (sec/veh):** 17.5
**Avg Delay (sec/veh):** 16.8

**LOS:** C

<table>
<thead>
<tr>
<th>Approach</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
<td>Movement:</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green:</td>
<td>0 10 10 7 10 0 10 10 10 0 0 0 0 0 0</td>
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<tr>
<td>Volume Module:</td>
<td>&gt;&gt; Count Date: 21 Feb 2001 &lt;&lt;</td>
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<tr>
<td>Base Vol:</td>
<td>803 78 97 484 0 512 648 64 0 0 0</td>
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<tr>
<td>Growth Adj:</td>
<td>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</td>
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<td>Initial Bse:</td>
<td>803 78 97 484 0 512 648 64 0 0 0</td>
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<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>ATI:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td></td>
<td></td>
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<tr>
<td>Initial Fut:</td>
<td>803 78 97 484 0 512 648 64 0 0 0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
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<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>PHF Volume:</td>
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<tr>
<td>Reduct Vol:</td>
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<tr>
<td>Reduced Vol:</td>
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<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>MLF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Final Vol:</td>
<td>803 78 97 484 0 512 648 64 0 0 0</td>
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</table>

**Saturation Flow Module:**
| Sat/Lane: | 1800 1800 1800 1800 1800 | 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.04 1.00 0.97 1.06 0.97 0.98 1.00 0.97 1.06 0.97 |
| Lanes: | 0.00 2.72 0.28 1.00 2.00 0.00 1.27 1.57 0.16 0.00 0.00 0.00 |
| Final Sat.: | 0 5104 496 1750 3800 0 2238 2832 280 0 0 0 |

**Capacity Analysis Module:**
| Vol/Sat: | 0.00 0.16 0.16 0.06 0.13 0.00 0.23 0.23 0.23 0.00 0.00 0.00 |
| Crit Moves: | *** |
| Green Time: | 0.0 32.4 32.4 11.4 43.8 0.0 47.2 47.2 47.2 0.0 0.0 0.0 |
| Volume/Cap: | 0.00 0.49 0.49 0.49 0.49 0.00 0.49 0.49 0.49 0.00 0.00 0.00 |
| Delay/Veh: | 0.0 20.8 20.8 33.0 13.8 0.0 13.9 13.9 13.9 0.0 0.0 0.0 |
| Del Adj/Fct: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Adj Delay/Veh: | 0.0 20.8 20.8 33.0 13.8 0.0 13.9 13.9 13.9 0.0 0.0 0.0 |
| Design Queue: | 0 31 3 5 16 0 16 20 2 0 0 0 |
Intersection #3671: MARKET/ST. JAMES

Final Vol: 855
Lanes: 0 0 2 0 1

Signal=Protect/Rights=Include

Vol Crt Date: 2/21/2001
Cycle Time (sec): 100
Signal=Split
Loss Time (sec): 9
Rights=Include

1176
Lanes: 0 0 2 0 1
Final Vol:

Critical V/C: 0.766
Avg Crit Del (sec/veh): 20.8

843***
Avg Delay (sec/veh): 20.1

85
Lanes: 0 0 2 0 1

LOS: C

Approach: North Bound South Bound East Bound West Bound
Movement: L T R L T R L T R
Min. Green: 0 10 10 7 10 0 10 10 10 0 0 0

Volume Module: >> Count Date: 21 Feb 2001 <<
Base Vol:
0 1118 104 150 685
0 1176 843 85 0 0 0
Growth Adj:
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse:
0 1118 104 150 685
0 1176 843 85 0 0 0
Added Vol:
0 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol:
0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Put:
0 1118 104 150 685
0 1176 843 85 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 1.00
PHF Adj:
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:
0 1118 104 150 685
0 1176 843 85 0 0 0
Reduct Vol:
0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol:
0 1118 104 150 685
0 1176 843 85 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 1.00
MLF Adj:
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol:
0 1118 104 150 685
0 1176 843 85 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.04 1.00 0.97 1.06 0.97 0.98 1.00
Lanes: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Final Sat.: 0.5123 477 1750 3800 0 2990 2143 216 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.22 0.22 0.09 0.18 0.00 0.39 0.39 0.39 0.00 0.00 0.00
Crit Moves: **** *****
Green Time: 0.0 28.5 28.5 11.2 39.7 0.0 51.3 51.3 51.3 0.0 0.0 0.0
Volume/Cap: 0.00 0.77 0.77 0.77 0.45 0.00 0.77 0.77 0.77 0.00 0.00 0.00
Delay/Veh: 0.0 26.5 26.5 43.8 17.0 0.0 15.8 15.8 15.8 0.0 0.0 0.0
Delay Adj:
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr:
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 26.5 26.5 43.8 17.0 0.0 15.8 15.8 15.8 0.0 0.0 0.0
DesignQueue: 0 47 4 8 24 0 35 25 23 0 0 0
Intersection #3883: McLAUGHLIN/STORY

Approach:  
Movement:  
North Bound  
South Bound  
East Bound  
West Bound  

Min. Green:  
Volume Module:  
Base Vol:  
Growth Adj:  
Initial Bse:  
Added Vol:  
ATI:  
Initial Fut:  
User Adj:  
PHF Adj:  
PHF Volume:  
Reduce Vol:  
Reduced Vol:  
PCE Adj:  
MLP Adj:  
Final Vol:  

Saturation Flow Module:  
Sat/Lane:  
Adjustment:  
Lanes:  
Final Sat.:  

Capacity Analysis Module:  

Vol/Sat: 
Crt Moves:  
Green Time:  
Volume/Cap:  
Delay/Veh:  
Delay Adj:  
ProgAdjPctr:  
AdjDel/Veh:  
DesignQueue:  

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**Intersection #3683: McLAUGHLIN/STORY**

![Intersection Diagram]

**Approach:**

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<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
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</table>

**Volume Module:**

- **Count Date:** 3 Oct 2001 < 7:15-8:15AM
- **Base Vol:** 130
- **Growth Adj:** 1.00
- **Initial Bse:** 130
- **Added Vol:** 0
- **PasserByVol:** 0
- **Initial Put:** 130
- **User Adj:** 1.00
- **PHF Adj:** 1.00
- **PHF Volume:** 130
- **Reduct Vol:** 0
- **Reduced Vol:** 130
- **PCE Adj:** 1.00
- **MLF Adj:** 1.00
- **Final Vol:** 130

**Saturation Flow Module:**

- **Sat./Lane:** 1800
- **Lanes:** 1.00
- **Final Sat.:** 1750

**Capacity Analysis Module:**

- **Vol/Sat:** 0.07
- **Green Time:** 52.3
- **Volume/Cap:** 0.17
- **Delay/Veh:** 15.7
- **Delay Adj:** 1.00
- **Prog Adj Fctr:** 1.00
- **Adj Del/Veh:** 15.7
- **Design Queue:** 5

---

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**Intersection #3693: MERIDIAN/SAN CARLOS**

**Approach:**

- **North Bound:**
  - Movement: L - T - R
  - Min. Green: 10 10 10
  - Volume Module: >>
  - Final Vol.: 594 842 229
  - Initial Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - PCH Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - Final Vol.: 594 842 229

- **South Bound:**
  - Movement: L - T - R
  - Min. Green: 10 10 10
  - Volume Module: >>
  - Final Vol.: 594 842 229
  - Initial Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - PCH Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - Final Vol.: 594 842 229

- **East Bound:**
  - Movement: L - T - R
  - Min. Green: 10 10 10
  - Volume Module: >>
  - Final Vol.: 594 842 229
  - Initial Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - PCH Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - Final Vol.: 594 842 229

- **West Bound:**
  - Movement: L - T - R
  - Min. Green: 10 10 10
  - Volume Module: >>
  - Final Vol.: 594 842 229
  - Initial Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - PCH Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - Final Vol.: 594 842 229

**Traffic Flow Module:**

- Sat./Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.98 1.03 0.97 0.97 1.03 1.00 0.97 0.97 0.97 0.88 1.03 1.00
- Lanes: 1.28 1.72 1.00 1.60 0.40 1.00 2.00 1.00 2.00 1.85 0.15
- Final Sat.: 2253 3193 1750 1750 2973 726 1750 3800 1750 3150 3435 265

**Capacity Analysis Module:**

- Vol/Sat: 0.26 0.26 0.13 0.04 0.07 0.07 0.04 0.16 0.04 0.05 0.28 0.28
- Crit Moves: **** ****
- Green Time: 43.6 43.6 50.6 11.8 11.8 11.8 7.1 45.6 89.2 7.0 45.5 45.5
- Volume/Cap: 0.73 0.73 0.31 0.44 0.73 0.73 0.73 0.42 0.06 0.89 0.73 0.73
- Delay/Veh: 26.1 26.1 17.7 39.0 43.7 43.7 56.7 21.0 3.1 68.1 25.6 25.6
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjPrct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 26.1 26.1 17.7 39.0 43.7 43.7 56.7 21.0 3.1 68.1 25.6 25.6
- Design Queue: 27 38 9 5 13 3 5 26 1 10 42 3
**Intersection #3693: MERIDIAN/SAN CARLOS**

**Final Vol:**
- Lanes: 61 0 1 25 0 1 90
- Signal=SplitRights=Include

**Vol Cnt Date:** 2/27/2001
**Cycle Time (sec):** 120
**Loss Time (sec):** 12
**Critical V/C:** 0.859
**Avg Crit Del (sec/veh):** 33.6
**Avg Delay (sec/veh):** 31.0

**Signal=Protect Rights=Include**
- Lanes: Final Vol:
  - 0 86
  - 0 1
  - 1 112
  - 1 193

**Approach:**

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<td>L - T - R</td>
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<tr>
<td>Min. Green</td>
<td>10 10 10</td>
<td>10 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
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**Volume Module:** >> Count Date: 27 Feb 2001 <<

- **Base Vol:** 702 996 271 90 252 61 89 725 86 193 1120 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:** 702 996 271 90 252 61 89 725 86 193 1120 86
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 702 996 271 90 252 61 89 725 86 193 1120 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:** 702 996 271 90 252 61 89 725 86 193 1120 86
- **Reduc Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 702 996 271 90 252 61 89 725 86 193 1120 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
- **Final Vol:** 702 996 271 90 252 61 89 725 86 193 1120 86

**Saturation Flow Module:**

- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.98 1.03 0.97 0.97 1.03 1.00 0.97 0.97 0.97 0.97 0.88 1.03 1.00
- **Lanes:** 1.28 1.72 1.00 1.00 1.60 0.40 1.00 2.00 1.00 2.00 1.85 0.15
- **Final Sat:** 2252 3195 1750 1750 2978 721 1750 3800 1750 3150 3436 264

**Capacity Analysis Module:**

- **Vol/Sat:** 0.31 0.31 0.15 0.05 0.08 0.08 0.05 0.19 0.05 0.06 0.33 0.33
- **Green Time:** 43.5 43.5 56.3 11.8 11.8 11.8 7.1 39.8 83.4 12.8 45.5 45.5
- **Volume/Cap:** 0.86 0.86 0.33 0.52 0.86 0.86 0.86 0.57 0.07 0.57 0.86 0.86
- **Delay/Veh:** 29.8 29.8 15.3 39.6 50.8 50.8 74.4 25.6 4.5 40.5 30.0 30.0
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjPctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 29.8 29.8 15.3 39.6 50.8 50.8 74.4 25.6 4.5 40.5 30.0 30.0
- **DesignQueue:** 32 46 10 5 15 4 6 34 2 12 51 4
Intersection #3694: MERIDIAN/WILLOW

Final Vol: 585
Lanes: 71 585 71 0 1 1 0 1

Signal=Protect/Right=Include

Vol Cnt Date: 6/16/1999
Cycle Time (sec): 160
Loss Time (sec): 12
Critical Veh: 0.903
Avg Crit Del (sec/veh): 31.6
Avg Delay (sec/veh): 29.2
LOS: D

Final Vol: 320
Lanes: 1 320

Final Vol: 106
Lanes: 1 1 106

Approach: North Bound South Bound East Bound West Bound
Movement: L T R L T R L T R L T R L T R
Min. Green: 7 10 10 7 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 16 Jun 1999 <<
Base Vol: 43 2298 106 138 585 71 83 22 8 139 40 320
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: 43 2298 106 138 585 71 83 22 8 139 40 320
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 43 2298 106 138 585 71 83 22 8 139 40 320
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: 43 2298 106 138 585 71 83 22 8 139 40 320
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 43 2298 106 138 585 71 83 22 8 139 40 320
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
Final Vol: 43 2298 106 138 585 71 83 22 8 139 40 320

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.03 1.00 0.97 1.00 1.00 1.00 1.00 0.97
Lanes: 1.00 2.00 1.00 1.00 1.00 0.22 1.00 0.73 0.27 0.27 0.22 1.00
Final Sat.: 1750 3800 1750 1750 3299 400 1750 1320 480 1398 402 1750

Capacity Analysis Module:
Vol/Sat: 0.02 0.60 0.06 0.08 0.18 0.18 0.05 0.02 0.02 0.10 0.10 0.18
Crit Moves: 7.8 106 106.0 13.8 113 112.8 10.0 10.0 10.0 18.2 18.2 32.0
Green Time: 7.8 106 106.0 13.8 113 112.8 10.0 10.0 10.0 18.2 18.2 32.0
Volume/Cap: 0.56 0.91 0.91 0.25 0.25 0.76 0.27 0.27 0.87 0.87 0.91
Delay/Veh: 63.4 21.7 7.4 89.1 6.4 6.4 73.0 54.7 54.7 74.6 74.6 67.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdPctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 63.4 21.7 7.4 89.1 6.4 6.4 73.0 54.7 54.7 74.6 74.6 67.1
DesignQueue: 4 82 3 11 16 2 7 2 1 11 3 24

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Intersection #3694: MERIDIAN/WILLOW

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Approach: North Bound | South Bound | East Bound | West Bound

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<th>L - T</th>
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<td>113</td>
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<td>146</td>
<td>621</td>
<td>75</td>
<td>88</td>
<td>23</td>
<td>8</td>
</tr>
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</table>

Saturation Flow Module:
| Sat/Lane: | 1800 | 1800 | 1800 |
| Adjustment: | 0.97 | 1.00 | 1.00 |
| Lanes: | 1.00 | 2.00 | 1.00 |
| Final Sat.: | 1750 | 3800 | 1750 |

Capacity Analysis Module:
| Vol/Sat: | 0.03 | 0.64 | 0.66 |
| Crit Moves: | 7.0 | 106 | 105.9 |
| Green Time: | 0.60 | 0.97 | 0.10 |
| Delay/Veh: | 65.5 | 28.1 | 7.4 |
| Delay Adj: | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 65.5 | 28.1 | 7.4 |
| DesignQueue: | 4 | 88 | 3 |

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Intersection #3709: MONTGOMERY/PARK

Final Vol: 252
Lanes: 1 0 3 0 1

Vol Cnt Date: 4/5/2001
Cycle Time (sec): 120

Signal=Permit
Rights=Overlap

Loss Time (sec): 9
Critical V/C: 0.228
Avg Crit Del (sec/veh): 7.9
Avg Delay (sec/veh): 14.2

Lanes: Final Vol:
1 66
0 0
2 103
0 0
1 40

LOS: B

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

Min. Green: 7 10 10 7 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 5 Apr 2001 <<
Base Vol: 271 984 109 8 252 37 61 128 164 40 103 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: 271 984 109 8 252 37 61 128 164 40 103 66
Adding Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 271 984 109 8 252 37 61 128 164 40 103 66
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 271 984 109 8 252 37 61 128 164 40 103 66
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 271 984 109 8 252 37 61 128 164 40 103 66
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 271 984 109 8 252 37 61 128 164 40 103 66

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 0.97
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: 1750 5700 1750 1750 5700 1750 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.15 0.17 0.06 0.00 0.04 0.02 0.03 0.03 0.09 0.02 0.03 0.04
Crit Moves: **** **** ****
Green Time: 84.0 87.0 87.0 7.0 10.0 10.0 17.0 17.0 101.0 17.0 17.0 24.0
Volume/Cap: 0.22 0.24 0.09 0.08 0.53 0.25 0.25 0.24 0.11 0.16 0.19 0.19
Delay/Veh: 4.9 4.2 3.7 40.6 41.0 39.3 34.9 34.8 1.3 34.4 34.6 30.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 4.9 4.2 3.7 40.6 41.0 39.3 34.9 34.8 1.3 34.4 34.6 30.4
DesignQueue: 6 19 2 1 16 2 4 7 2 2 6 4
**Intersection #3731: PARK/WOZ**

**Signal=Split/Right=Include**

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<tr>
<td>350**</td>
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<td>75 1</td>
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<td>Vol Crit Date: Cycle Time (sec):</td>
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<td>Loss Time (sec):</td>
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<td>Avg Crit Del (sec/veh):</td>
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<td>Avg Delay (sec/veh):</td>
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**Lanes: Final Vol:**

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**Approach: North Bound**

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**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 1.00 1.00 0.97 0.97 1.06 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 |
| Lanes: | 0.38 0.62 1.00 0.00 0.00 0.00 1.00 2.00 1.00 1.00 2.00 |
| Final Sat.: | 682 1118 1750 0 0 0 1750 3800 1750 1750 3800 1750 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.06 0.06 0.06 0.06 0.00 0.00 0.00 0.00 0.02 0.09 0.04 0.03 0.02 0.01 |
| Crit Moves: | **** **** **** |
| Green Time: | 23.9 23.9 34.6 0.0 0.0 0.0 20.2 38.4 62.3 10.7 28.9 28.9 |
| Volume/Cap: | 0.20 0.20 0.14 0.00 0.00 0.00 0.09 0.20 0.06 0.20 0.06 0.04 |
| Delay/Veh: | 16.6 16.6 11.1 0.0 0.0 0.0 18.1 9.7 1.9 24.2 13.4 13.3 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjCtr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 16.6 16.6 11.1 0.0 0.0 0.0 18.1 9.7 1.9 24.2 13.4 13.3 |
| Design Queue: | 1 2 3 0 0 0 1 9 1 2 3 1 |
Intersection #3731: PARK/WOZ

Final Vol: 40
Lane: 1
Signal=Split/Right=Overlap
Vol Crit Date: 6/12/2001
Cycle Time (sec): 82
Loss Time (sec): 9
Critical V/C: 0.197
Avg Crit Del (sec/veh): 12.5
Avg Delay (sec/veh): 11.7
LOS: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 10 0 0 0 7 10 10 7 10 10
Volume Module: >> Count Date: 12 Jun 2001 <<
Base Vol: 39 64 100 0 0 0 40 350 75 45 86 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: 39 64 100 0 0 0 40 350 75 45 86 25
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 39 64 100 0 0 0 40 350 75 45 86 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: 39 64 100 0 0 0 40 350 75 45 86 25
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 39 64 100 0 0 0 40 350 75 45 86 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
Final Vol: 39 64 100 0 0 0 40 350 75 45 86 25

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 1.06
Lanes: 0.38 0.62 1.00 0.00 0.00 0.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 682 1118 1750 0 0 0 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.06 0.06 0.06 0.00 0.00 0.00 0.02 0.09 0.04 0.03 0.02 0.01
Crit Moves: **** **** ****
Green Time: 23.9 23.9 34.6 0.0 0.0 0.0 20.2 38.4 62.3 10.7 28.9 28.9
Volume/Cap: 0.20 0.20 0.14 0.00 0.00 0.00 0.09 0.20 0.06 0.20 0.06 0.04
Delay/Veh: 16.6 16.6 11.0 0.0 0.0 0.0 18.1 9.7 1.9 24.2 13.4 13.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 16.6 16.6 11.1 0.0 0.0 0.0 18.1 9.7 1.9 24.2 13.4 13.3
DesignQueue: 1 2 3 0 0 0 1 9 1 2 3 1
Intersection #3731: PARK/WOZ

Approach: [Diagram of traffic flows]

Movement: L - T - R | L - T - R | L - T - R | L - T - R
Min. Green: 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 12 Jun 2001 <<
Base Vol: 65 106 165 66 579 124 74 142 41
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 65 106 165 66 579 124 74 142 41
Added Vol: 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0
Initial Fut: 65 106 165 66 579 124 74 142 41
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 65 106 165 66 579 124 74 142 41
Reduct Vol: 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 65 106 165 66 579 124 74 142 41
FCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 65 106 165 66 579 124 74 142 41

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 0.97 1.00 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06
Lanes: 0.38 0.62 1.00 0.00 0.00 0.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 684 1116 1750 0 0 0 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.09 0.10 0.09 0.00 0.00 0.00 0.00 0.04 0.15 0.07 0.04 0.04 0.02
Crit Moves: **** **** ****
Green Time: 23.9 23.9 34.6 0.0 0.0 0.0 20.2 38.4 62.3 10.7 28.9 28.9
Volume/Cap: 0.33 0.33 0.22 0.00 0.00 0.00 0.00 0.15 0.33 0.09 0.33 0.11 0.07
Delay/Veh: 17.4 17.4 21.5 0.0 0.0 0.0 18.4 10.4 1.9 24.9 13.6 13.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 17.4 17.4 11.5 0.0 0.0 0.0 18.4 10.4 1.9 24.9 13.6 13.4
DesignQueue: 2 4 4 0 4 0 0 2 15 1 3 4 1
Intersection #3731: PARK/WOZ

### Approach:

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<td>0 0 0</td>
<td>66 579 124</td>
<td>74 142 41</td>
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</table>

### Saturation Flow Module:

| Adjustment: | 1.00 1.00 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 | 0.38 0.62 1.00 0.00 0.00 0.00 1.00 2.00 1.00 1.00 2.00 1.00 | 0.38 0.62 1.00 0.00 0.00 0.00 1.00 2.00 1.00 1.00 2.00 1.00 |
| Final Sat.: | 684 1116 1750 | 0 0 0 | 1750 3800 1750 | 1750 3800 1750 | 1750 3800 1750 | 1750 3800 1750 | 1750 3800 1750 | 1750 3800 1750 | 1750 3800 1750 | 1750 3800 1750 | 1750 3800 1750 |

### Capacity Analysis Module:

| Vol/Sat: | 0.09 0.10 0.09 0.00 0.00 0.00 0.04 0.15 0.07 0.04 0.04 0.02 |
| Crit Moves: | **** | **** | **** | **** |
| Green Time: | 23.9 23.9 34.6 0.0 0.0 0.0 | 20.2 38.4 62.3 10.7 28.9 28.9 |
| Volume/Cap: | 0.33 0.33 0.22 0.00 0.00 0.00 0.00 0.15 0.33 0.09 0.33 0.11 0.07 |
| Delay/Veh: | 17.4 17.4 11.5 0.0 0.0 0.0 18.4 10.4 1.9 24.9 13.6 13.4 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjPctx: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 17.4 17.4 11.5 0.0 0.0 0.0 18.4 10.4 1.9 24.9 13.6 13.4 |
| Design Queue: | 2 4 4 0 0 0 2 15 1 3 4 1 |
Intersection #3750: REED/SECOND

Signal=Split/Rights=Include

Final Vol: 134 135 151***
Lanes: 0 1 1 0

Vol Crit Date: 11/27/2001
Cycle Time (sec): 65
Loss Time (sec): 6
Critical VC: 0.186
Avg Crit Del (sec/veh): 8.0
Avg Delay (sec/veh): 8.0

Loss: B

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

Min. Green: 0 0 0 0 10 10 10 10 0 10 10 10 10 0 10 10 10 0
Volume Module: >> Count Date: 27 Nov 2001 << 7:00-8:00AM
Base Vol: 0 0 0 0 151 135 134 0 54 22 93 312 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 0 151 135 134 0 54 22 93 312 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
ATT: 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Pft: 0 0 0 0 151 135 134 0 54 22 93 312 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 0 0 151 135 134 0 54 22 93 312 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 151 135 134 0 54 22 93 312 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 0 151 135 134 0 54 22 93 312 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adj. Lane: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 0 0 0 1750 1900 1750 0 1900 1750 1750 3800 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.09 0.07 0.08 0.00 0.03 0.01 0.05 0.08 0.00
Crt Moves: ****
Green Time: 0.0 0.0 0.0 30.2 30.2 30.2 0.0 28.8 28.8 28.8 28.8 0.0
Volume/Cap: 0.00 0.00 0.00 0.19 0.15 0.16 0.00 0.06 0.03 0.12 0.19 0.00
Delay/Veh: 0.0 0.0 0.0 7.7 7.7 7.7 0.0 7.9 7.8 8.1 8.4 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 7.7 7.7 7.7 0.0 7.9 7.8 8.1 8.4 0.0
DesignQueue: 0 0 0 3 3 3 0 1 0 2 6 0

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Intersection #3750: REED/SECOND

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Vol Ctrl Date: 11/27/2001 Cycle Time (sec): 65
Loss Time (sec): 6
Critical V/C: 0.186
Avg Crit Del (sec/veh): 8.0
Avg Delay (sec/veh): 8.0

LOS: B

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Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06
Lanes: 0.00 0.00 0.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 2.00 0.00
Final Sat.: 0 0 0 1750 1900 1750 0 1900 1750 1750 3800 0

Saturation Flow Module:

Capacity Analysis Module:

| Vol/Sat: | 0.00 0.00 0.00 0.09 0.07 0.08 0.00 0.03 0.01 0.05 0.08 0.00 |
| Crit Moves: | **** |
| Green Time: | 0.0 0.0 0.0 30.2 30.2 30.2 0.0 28.8 28.8 28.8 28.8 0.0 |
| Volume/Cap: | 0.00 0.00 0.19 0.15 0.16 0.00 0.06 0.03 0.12 0.19 0.00 |
| Delay/Veh: | 0.0 0.0 0.0 7.7 7.6 7.7 0.0 7.9 7.8 8.1 8.4 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| PropAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 0.0 0.0 7.7 7.6 7.7 0.0 7.9 7.8 8.1 8.4 0.0 |
| DesignQueue: | 0 0 0 3 3 3 0 1 0 2 6 0 |
Intersection #3750: REED/SECOND

Final Vol: 93 212 18
Lanes: 0 0 0 1

Vol Ctrl Date: 2/21/2002
Cycle Time (sec): 75
Loss Time (sec): 9
Critical V/C: 0.828
Avg Crit Del (sec/veh): 22.6
Avg Delay (sec/veh): 20.3

Approach:   North Bound   South Bound   East Bound   West Bound
Movement:  | L - T - R | L - T - R | L - T - R | L - T - R |
---|---|---|---|---|
Min. Green: 7 10 10 7 10 10 10 10 10 10 10 10
-----|-----|-----|-----|-----|
Volume Module: >> Count Date: 21 Feb 2002 << 8:00-9:00AM
Base Vol: 41 456 18 109 212 93 16 59 20 85 600 126
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: 41 456 18 109 212 93 16 59 20 85 600 126
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 41 456 18 109 212 93 16 59 20 85 600 126
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 41 456 18 109 212 93 16 59 20 85 600 126
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
FCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 41 456 18 109 212 93 16 59 20 85 600 126

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00
Lanes: 1.00 0.96 0.04 1.00 0.70 0.30 1.00 0.75 0.25 1.00 0.83 0.17
Final Sat.: 1750 1732 68 1750 1251 549 1750 1344 456 1750 1488 312

Capacity Analysis Module:
Vol/Sat: 0.02 0.26 0.26 0.06 0.17 0.17 0.01 0.04 0.04 0.05 0.40 0.40
Crit Moves: **** ****
Green Time: 7.0 23.3 23.3 7.0 23.3 23.3 35.7 35.7 35.7 35.7 35.7 35.7
Volume/Cap: 0.25 0.85 0.85 0.67 0.55 0.55 0.02 0.09 0.09 0.10 0.85 0.85
Delay/Veh: 24.2 26.5 26.5 31.7 17.2 17.2 7.9 8.2 8.2 8.2 18.7 18.7
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FroAdj/Ctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 24.2 26.5 26.5 31.7 17.2 17.2 7.9 8.2 8.2 8.2 18.7 18.7
DesignQueue: 2 14 1 4 6 3 0 1 0 2 15 3
Intersection #3752: REED/10TH

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<td>0 0 0 0 10 10 10 0</td>
<td>0 0 0 0 10 10 10 0</td>
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Volume Module: >> Count Date: 21 Feb 2002 << 8:00-9:00AM
Base Vol: 0 0 0 14 897 38 0 86 62 61 30 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 14 897 38 0 86 62 61 30 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Put: 0 0 0 14 897 38 0 86 62 61 30 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 0 14 897 38 0 86 62 61 30 0
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 14 897 38 0 86 62 61 30 0
FCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 14 897 38 0 86 62 61 30 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.00 0.00 0.00 0.03 0.19 0.08 0.00 0.00 1.00 1.00 1.00 1.00
Final Sat.: 0 0 0 53 3403 144 0 1900 1750 1750 1900 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.26 0.26 0.26 0.00 0.05 0.04 0.03 0.02 0.00
Crit Moves: **** ****
Green Time: 0.0 0.0 0.0 44.0 44.0 44.0 0.0 10.0 10.0 10.0 10.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.36 0.36 0.36 0.00 0.27 0.21 0.21 0.09 0.00
Delay/Veh: 0.0 0.0 0.0 2.2 2.2 2.2 0.0 16.7 16.5 16.5 16.1 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 2.2 2.2 2.2 0.0 16.7 16.5 16.5 16.1 0.0
DesignQueue: 0 0 0 0 9 0 0 2 2 2 2 1 0
**Intersection #3753: REED/THIRD**

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**Approach:**

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**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Lanes: | 0.09 2.65 0.26 0.00 0.00 0.00 1.00 1.00 0.00 0.00 2.00 1.00 |
| Final Sat.: | 159 4878 462 0 0 0 1750 1900 0 0 3800 1750 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.31 0.31 0.31 0.00 0.00 0.00 0.00 0.03 0.08 0.00 0.00 0.10 0.22 |
| Crit Moves: | **** |
| Green Time: | 40.2 40.2 40.2 0.0 0.0 0.0 0.0 28.8 28.8 0.0 0.0 28.8 28.8 |
| Volume/Cap: | 0.57 0.57 0.57 0.00 0.00 0.00 0.00 0.07 0.20 0.00 0.00 0.00 0.25 0.57 |
| Delay/Veh: | 9.1 9.1 9.1 0.0 0.0 0.0 0.0 11.1 11.7 0.0 0.0 12.0 14.8 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 9.1 9.1 9.1 0.0 0.0 0.0 0.0 11.1 11.7 0.0 0.0 12.0 14.8 |
| DesignQueue: | 1 31 3 0 0 0 0 1 4 0 0 10 10 |
Intersection #3753: REED/THIRD

Approach:

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### Intersection #3763: SAN CARLOS/WOZ

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**Vol Crit Date:** 7/1999  
**Cycle Time (sec):** 77  
**Loss Time (sec):** 12  
**Critical V/C:** 0.283  
**Avg Crit Del (sec/veh):** 17.8  
**Avg Delay (sec/veh):** 16.6

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**Approach:**  
**Movement:**  
- **L - T - R**  
- **L - T - R**  
- **L - T - R**  
- **L - T - R**

**Min. Green:** 7 10 10 7 10 10 7 10 10 7 10 10

**Volume Module:**  
- **Base Vol:** 60 157 145 9 31 5 122 423 12 16 310 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:** 60 157 145 9 31 5 122 423 12 16 310 83
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **ATI:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Put:** 60 157 145 9 31 5 122 423 12 16 310 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:** 60 157 145 9 31 5 122 423 12 16 310 83
- **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 60 157 145 9 31 5 122 423 12 16 310 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
- **Final Vol:** 60 157 145 9 31 5 122 423 12 16 310 83

**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 0.97 1.00 1.00 0.97 1.03 1.00 0.97 1.06 0.97
- **Lanes:** 1.00 1.00 1.00 1.00 0.86 0.14 1.00 1.94 0.06 1.00 2.00 1.00
- **Final Sat.:** 1750 1900 1750 1750 1550 250 1750 3598 102 1750 3800 1750

**Capacity Analysis Module:**
- **Vol/Sat:** 0.03 0.08 0.08 0.01 0.02 0.02 0.07 0.12 0.12 0.01 0.08 0.05
- **Crit Moves:** ***** ***** *****
- **Green Time:** 11.3 20.5 35.9 7.0 16.2 16.2 17.3 22.1 22.1 15.4 20.2 27.2
- **Volume/Cap:** 0.23 0.31 0.18 0.06 0.10 0.10 0.31 0.41 0.41 0.05 0.31 0.13
- **Delay/Veh:** 22.1 17.3 9.1 24.3 16.6 16.6 19.1 17.0 17.0 18.9 17.4 12.8
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFactor:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDelay/Veh:** 22.1 17.3 9.1 24.3 16.6 16.6 19.1 17.0 17.0 18.9 17.4 12.8
- **DesignQueue:** 2 5 3 0 1 0 4 13 0 1 10 2
**Intersection #3783: SAN CARLOS/WOZ**

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<td>13 18 347</td>
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<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Volume:</td>
<td>67 176 162</td>
<td>10 35</td>
<td>6 136 473</td>
<td>13 18 347</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>67 176 162</td>
<td>10 35</td>
<td>6 136 473</td>
<td>13 18 347</td>
</tr>
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<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>MLF Adj:</td>
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<td>67 176 162</td>
<td>10 35</td>
<td>6 136 473</td>
<td>13 18 347</td>
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</table>

**Saturation Flow Module:**

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.06 0.97 1.00 1.00 0.97 1.03 1.00 0.97 1.06 0.97 |
| Lanes: 1.00 1.00 1.00 1.00 0.85 0.15 1.00 1.95 0.05 1.00 2.00 1.00 |
| Final Sat.: 1750 1750 1750 1750 1537 263 1750 3601 99 1750 3800 1750 |

**Capacity Analysis Module:**

| Vol/Sat: 0.04 0.09 0.09 0.01 0.02 0.02 0.08 0.13 0.13 0.01 0.09 0.05 |
| Crit Moves: **** ***** | **** |
| Green Time: 11.3 20.5 27.5 7.0 16.2 16.2 17.2 30.5 30.5 7.0 20.2 27.2 |
| Volume/Cap: 0.26 0.35 0.26 0.06 0.11 0.11 0.35 0.33 0.33 0.11 0.35 0.15 |
| Delay/Veh: 22.3 17.5 13.4 24.3 18.7 18.7 19.3 12.4 12.4 24.4 17.6 12.9 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjPrct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: 22.3 17.5 13.4 24.3 18.7 18.7 19.3 12.4 12.4 24.4 17.6 12.9 |
| DesignQueue: 2 6 5 0 1 0 5 13 0 1 11 3 |
Intersection #3765: SAN CARLOS/10TH

Final Vol: Lanes: Signal=Split Rights=Include
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Vol Crit Date: Cycle Time (sec): 5/22/1998 65
Loss Time (sec): 6
Critical VC: 0.236
Avg Crit Del (sec/veh): 5.7
Avg Delay (sec/veh): 5.7

LOS: B

Approach:

Movement: L - T - R

Min. Green: 0 0 0 10 10 10 0 0 0 10 0 10 0 0

Volume Module: >> Count Date: 22 May 1998 <<

Base Vol: 0 0 0 0 27 772 0 0 0 0 125 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 0 0 0 27 772 0 0 0 0 125 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 0 27 772 0 0 0 0 125 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 0 0 27 772 0 0 0 0 125 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 27 772 0 0 0 0 125 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
MIS Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 0 27 772 0 0 0 0 125 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.04 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.11 2.89 0.00 0.00 0.00 0.00 1.00 0.00 0.00
Final Sat.: 0 0 0 189 5411 0 0 0 0 1750 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.14 0.14 0.00 0.00 0.00 0.00 0.07 0.00 0.00
Crit Moves: ****
Green Time: 0.0 0.0 0.0 39.3 39.3 0.0 0.0 0.0 0.0 19.7 0.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.24 0.24 0.00 0.00 0.00 0.00 0.24 0.00 0.00
Delay/Veh: 0.0 0.0 0.0 4.5 4.5 0.0 0.0 0.0 0.0 13.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Proportion: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 0.0 0.0 0.0 4.5 4.5 0.0 0.0 0.0 0.0 13.0 0.0 0.0
Design Queue: 0 0 0 0 11 0 0 0 0 3 0 0
Intersection #3766: SAN CARLOS/THIRD

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Approach:

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<tr>
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<th>East Bound</th>
<th>West Bound</th>
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<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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</table>

Min. Green: 10 10 10 0 0 0 0 10 0 0 0 10 10 10

Volume Module: >> Count Date: 22 Feb 2001 <<

| Base Vol: | 104 1697 | 102 | 0 0 0 0 256 131 | 0 0 96 | 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 1.00 1.00 |
| Initial Bee: | 104 1697 | 102 | 0 0 0 0 256 131 | 0 0 96 | 57 |
| Added Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| ATI: | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Initial Fut: | 104 1697 | 102 | 0 0 0 0 256 131 | 0 0 96 | 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 1.00 1.00 |
| PHF Adj: | 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: | 104 1697 | 102 | 0 0 0 0 256 131 | 0 0 96 | 57 |
| Reduct Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| Reduced Vol: | 104 1697 | 102 | 0 0 0 0 256 131 | 0 0 96 | 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 1.00 1.00 |
| MLF Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Final Vol: | 104 1697 | 102 | 0 0 0 0 256 131 | 0 0 96 | 57 |

Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 1.00 1.02 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.04 1.00 |
| Lanes: | 0.17 2.67 0.16 0.00 0.00 0.00 0.00 1.00 1.00 0.00 0.00 1.23 0.77 |
| Final Sat.: | 301 4904 | 295 | 0 0 0 1750 1900 0 0 2321 1378 |

Capacity Analysis Module:

| Vol/Sat: | 0.35 0.35 0.35 0.00 0.00 0.00 0.15 0.07 0.00 0.00 0.04 0.04 |
| Crit Moves: | **** |
| Green Time: | 35.8 35.8 35.8 0.0 0.0 0.0 15.2 25.2 0.0 0.0 10.0 10.0 |
| Volume/Cap: | 0.68 0.68 0.68 0.00 0.00 0.00 0.68 0.19 0.00 0.00 0.29 0.29 |
| Delay/Veh: | 10.1 10.1 10.1 0.0 0.0 0.0 22.4 11.7 0.0 0.0 20.5 20.5 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Fctr: | 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 |
| AdjDel/Veh: | 10.1 10.1 10.1 0.0 0.0 0.0 22.4 11.7 0.0 0.0 20.5 20.5 |
| DesignQueue: | 2 35 2 0 0 0 8 3 0 0 3 2 |
Intersection #3772: SAN FERNANDO/10TH

Approach:  North Bound  South Bound  East Bound  West Bound

Movement:  L  T  R  L  T  R  L  T  R  L  T  R

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<tr>
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<td>0 0 0</td>
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<td>Final Fut:</td>
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<td>18 494 319</td>
<td>29 99 45 599</td>
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</table>

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.04 0.97 0.97 1.06 0.97 1.00 1.03 0.97
Lanes: 0.00 0.00 0.00 0.11 2.89 1.00 0.00 1.00 1.00 0.14 1.66 0.00
Final Sat.: 0 0 0 197 5403 1750 0 190 0 1750 259 3441 0

Capacity Analysis Module:

Vol/Sat: 0.00 0.00 0.00 0.09 0.09 0.18 0.00 0.02 0.06 0.17 0.17 0.00
Crit Moves: **** ****
Green Time: 0.0 0.0 0.0 30.2 30.2 30.2 0.0 28.8 28.8 28.8 28.8 0.0
Volume/Cap: 0.00 0.00 0.00 0.20 0.20 0.39 0.00 0.03 0.13 0.39 0.39 0.00
Delay/Veh: 0.0 0.0 0.0 7.8 7.8 8.8 0.0 7.8 8.1 9.3 9.3 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 0.0 0.0 0.0 7.8 7.8 8.8 0.0 7.8 8.1 9.3 9.3 0.0
DesignQueue: 0 0 0 0 10 6 0 1 2 1 13 0
Intersection #3772: SAN FERNANDO/10TH

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

Min. Green:

Volume Module: >> Count Date: 6 Sep 2001 <<
Base Vol:
Growth Adj:
Initial Base:
Added Vol:
PasserByVol:
Initial Fut:
User Adj:
PHF Adj:
PHF Volume:
Reduct Vol:
Reduced Vol:
PCE Adj:
MLF Adj:
Final Vol:

Saturation Flow Module:
Sat/Lane:
Adjustment:
Lanes:
Final Sat:

Capacity Analysis Module:
Vol/Sat:
Crit Moves:
Green Time:
Volume/Cap:
Delay/Veh:
Delay Adj:
ProgAdjFctr:
AdjDel/Veh:
DesignQueue:

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Intersection #3773: SAN FERNANDO/THIRD

Approach: North Bound  South Bound  East Bound  West Bound

Movement: L - T - R  L - T - R  L - T - R  L - T - R

Min. Green: 10 10 10 0 0 10 10 0 0 10 10 0

Volume Module: >> Count Date: 21 Feb 2001 <<
Base Vol: 152 1518 233 0 0 0 45 144 0 0 191 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
Initial Bse: 152 1518 233 0 0 0 45 144 0 0 191 32
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 152 1518 233 0 0 0 45 144 0 0 191 32
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
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 1518 233 0 0 0 45 144 0 0 191 32
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 152 1518 233 0 0 0 45 144 0 0 191 32
PE 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
Final Vol: 152 1518 233 0 0 0 45 144 0 0 191 32

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.02 1.00 0.97 1.06 0.97 1.00 1.04 0.97 0.97 1.03 1.00
Lanes: 0.24 2.39 0.37 0.00 0.00 0.00 0.49 1.51 0.00 0.00 1.71 0.29
Final Sat: 439 4387 673 0 0 0 881 2818 0 0 3169 531

Capacity Analysis Module:
Vol/Sat: 0.35 0.35 0.35 0.00 0.00 0.00 0.05 0.05 0.00 0.00 0.06 0.06
Crt Moves: ****
Green Time: 54.0 54.0 54.0 0.0 0.0 0.0 10.0 10.0 0.0 0.0 10.0 10.0
Volume/Cap: 0.45 0.45 0.45 0.00 0.00 0.00 0.36 0.36 0.00 0.00 0.42 0.42
Delay/Veh: 2.2 2.2 2.2 0.0 0.0 0.0 20.8 20.8 0.0 0.0 21.1 21.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 2.2 2.2 2.2 0.0 0.0 0.0 20.8 20.8 0.0 0.0 21.1 21.1
DesignQueue: 1 15 2 0 0 0 2 5 0 0 6 1
Intersection #3773: SAN FERNANDO/THIRD

Approach:          North Bound          South Bound          East Bound          West Bound
Movement:         L    T    R         L    T    R         L    T    R         L    T    R
----------         ----------         ----------         ----------
Min. Green:       10  10  10         0  0  0         10  10  0         0  10  10
----------         ----------         ----------         ----------
Volume Module:    >> Count Date: 21 Feb 2001 <<
Base Vol:         170 1700 261       0  0  0         50  161 0         0  214 36
Growth Adj:       1.00 1.00 1.00 1.00
Initial Bae:      170 1700 261       0  0  0         50  161 0         0  214 36
Added Vol:        0  0  0         0  0  0         0  0  0         0  0  0
PasserByVol:      0  0  0         0  0  0         0  0  0         0  0  0
Initial Fut:      170 1700 261       0  0  0         50  161 0         0  214 36
User Adj:         1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj:          1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume:       170 1700 261       0  0  0         50  161 0         0  214 36
Reduce Vol:       0  0  0         0  0  0         0  0  0         0  0  0
Reduced Vol:      170 1700 261       0  0  0         50  161 0         0  214 36
PCF Adj:          1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj:          1.00 1.00 1.00 1.00 1.00 1.00
Final Vol:        170 1700 261       0  0  0         50  161 0         0  214 36
----------         ----------         ----------         ----------
Saturation Flow Module:
Sat/Lane:         1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment:      1.00 1.02 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes:           0.24 2.39 0.37 0.00 0.00 0.00 1.00 1.00 0.00 0.00 1.00 1.00
Final Sat.:      439 4387 674        0  0  0         1750 1900 0         0  1900 1750
----------         ----------         ----------         ----------
Capacity Analysis Module:
Vol/Sat:          0.39 0.39 0.39 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.08 0.00 0.00 0.11 0.02
Crit Moves:       ****          ****          ****          ****
Green Time:       41.8 41.8 41.8 0.0 0.0 0.0 10.0 22.2 0.0 0.0 12.2 12.2
Volume/Cap:       0.65 0.65 0.65 0.00 0.00 0.00 0.00 0.20 0.27 0.00 0.00 0.65 0.12
Delay/Veh:        7.4 7.4 7.4 0.0 0.0 0.0 20.2 13.6 0.0 0.0 23.5 18.6
Delay Adj:        1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Cfr:      1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh:       7.4 7.4 7.4 0.0 0.0 0.0 20.2 13.6 0.0 0.0 23.5 18.6
Design Queue:     3  30  5  0  0  0  2  4  0  0  7  1

Traffic 7.6.0116  Copyright (c) 2003 Dowling Associates, Inc.  Licensed to Hexagon Trans. San Jose
Intersection #3776: SAN PEDRO/TAYLOR

**Final Vol.:** 5

**Lanes:** 3

**Signal=Split/Rights=Overlap**

<table>
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<tr>
<th>Lane</th>
<th>Volume (veh/h)</th>
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<tbody>
<tr>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>3</td>
<td>22</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Vol Ctr Date</th>
<th>Cycle Time (sec)</th>
<th>Los Time (sec)</th>
<th>Crscl Vic</th>
<th>Avg Crit Del (sec/veh)</th>
<th>Avg Delay (sec/veh)</th>
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<tr>
<td>12</td>
<td>141</td>
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<td>0.203</td>
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<td>22.5</td>
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**Final Vol.:** 1

**Lanes:** 1

**Signal=Split/Rights=Overlap**

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<tr>
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<th>Volume (veh/h)</th>
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**LOS:** C

**Approach:**

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<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
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<td>10 10 10 10</td>
<td>7 10 10</td>
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<tr>
<td>Base Vol:</td>
<td>1 208 76 66 30</td>
<td>5 3 2 2 27 0 237</td>
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<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>3 2 2 27 0 237</td>
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<tr>
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<td>ATI:</td>
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<td>Initial Fut:</td>
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<td>3 2 2 27 0 237</td>
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<tr>
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<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Volume:</td>
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<td>3 2 2 27 0 237</td>
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<td>Reduct Vol:</td>
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<td>Reduced Vol:</td>
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<td>PCE Adj:</td>
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<tr>
<td>MFL Adj:</td>
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<tr>
<td>Final Vol:</td>
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<td>3 2 2 27 0 237</td>
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</tr>
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</table>

**Saturation Flow Module:**

| Adjustment: | 1.00 1.00 0.97 1.00 1.00 0.97 0.97 1.06 0.97 0.97 1.06 0.97 | | | |
| Lanes: | 0.01 0.99 1.00 0.69 0.31 1.00 1.00 2.00 1.00 1.00 2.00 1.00 | | | |
| Final Sat.: | 9 1791 1750 1238 563 1750 1750 3800 1750 1750 3800 1750 | | | |

**Capacity Analysis Module:**

| Vol/Sat: | 0.12 0.12 0.04 0.05 0.05 0.00 0.00 0.00 0.00 0.02 0.00 0.14 | | | |
| Crit Moves: | **** | **** | **** | **** | | | |
| Green Time: | 74.7 74.7 84.7 34.3 34.3 41.3 7.0 10.0 84.7 9.9 0.0 47.3 | | | |
| Volume/Cap: | 0.22 0.22 0.07 0.22 0.22 0.01 0.03 0.01 0.00 0.22 0.00 0.40 | | | |
| Delay/Veh: | 13.4 13.4 8.9 32.4 32.4 26.8 48.5 46.3 8.5 47.2 0.0 27.6 | | | |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | | |
| ProgAdjFcitr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | | | |
| AdjDelay/Veh: | 13.4 13.4 8.9 32.4 32.4 26.8 48.5 46.3 8.5 47.2 0.0 27.6 | | | |
| DesignQueue: | 0 8 2 4 2 0 0 0 2 0 13 | | | |
Intersection #3776: SAN PEDRO/TAYLOR

Final Vol: 6 1 0 0 33 33 73***
Lanes: 6 1 0 0 1 0

Signal=SplitRights=Overlap

Final Vol: 1 262***
Lanes: 1 2 0

Vol Crit Date: 4/25/2000
Cycle Time (sec): 141
Loss Time (sec): 12
Critical V/C: 0.306
Avg Crit Del (sec/veh): 24.2
Avg Delay (sec/veh): 23.5

LOS: C

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

Min. Green: 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 25 Apr 2000 <<
Base Vol: 1 230 84 73 33 6 3 2 2 30 0 262
Growth Adj: 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 Bae: 1 230 84 73 33 6 3 2 2 30 0 262
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 1 230 84 73 33 6 3 2 2 30 0 262
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 1 230 84 73 33 6 3 2 2 30 0 262
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 1 230 84 73 33 6 3 2 2 30 0 262
PCF Adj: 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
Final Vol: 1 230 84 73 33 6 3 2 2 30 0 262

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.00 0.97 1.00 1.00 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.01 0.99 1.00 0.69 0.31 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 8 1792 1750 1240 560 1750 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.13 0.13 0.05 0.06 0.06 0.00 0.00 0.00 0.02 0.00 0.15
Crit Moves: **** ****
Green Time: 46.5 46.5 71.7 21.3 21.3 28.3 7.0 36.0 82.5 25.2 0.0 75.5
Volume/Cap: 0.39 0.39 0.09 0.39 0.39 0.02 0.03 0.00 0.00 0.10 0.00 0.28
Delay/Veh: 27.9 27.9 13.6 41.5 41.5 34.3 48.5 29.7 9.2 36.8 0.0 13.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 27.9 27.9 13.6 41.5 41.5 34.3 48.5 29.7 9.2 36.8 0.0 13.6
DesignQueue: 0 12 3 5 2 0 0 0 2 0 10
Intersection #3777: SAN PEDRO/ST. JAMES

Approach:

Movement: North Bound South Bound East Bound West Bound

Min. Green: 0 10 10 10 10 10 10 10 10 10 10 10 10 10

Volume Module: Count Date: 2 May 2002 Vol Crit Date: 5/2/2002

Base Vol: 0 49 39 7 56 0 161 2175 231 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 1.00 1.00

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

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

Final Vol: 0 49 39 7 56 0 161 2175 231 0 0

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 0.97 1.00 1.00 1.00 1.00 1.02 1.00 0.97 1.06 0.97 0.97

Lanes: 0.00 0.56 0.44 0.11 0.89 0.00 0.19 2.54 0.27 0.00 0.00 0.00

Final Sat: 0 1002 798 200 1600 0 345 4660 495 0 0

Capacity Analysis Module:

Vol/Sat: 0.00 0.05 0.05 0.05 0.05 0.05 0.47 0.47 0.47 0.47 0.00 0.00 0.00

Critt Moves: ****

Green Time: 0.0 10.0 10.0 10.0 10.0 0.0 84.0 84.0 84.0 0.0 0.0 0.0

Volume/Cap: 0.00 0.49 0.49 0.35 0.35 0.00 0.56 0.56 0.56 0.00 0.00 0.00

Delay/Veh: 0.00 34.1 34.1 32.4 32.4 0.0 1.9 1.9 1.9 0.0 0.0 0.0

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 0.0 34.1 34.1 32.4 32.4 0.0 1.9 1.9 1.9 0.0 0.0 0.0

DesignQueue: 0 2 2 0 3 0 2 22 2 0 0 0
Intersection #3779: SAN SALVADOR/SECOND

Approach:

<table>
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<tr>
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<th>L - T - R</th>
<th>L - T - R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Green</td>
<td>0 0 0</td>
<td>10 10 10</td>
<td>0 10 10</td>
<td>0 10 10</td>
</tr>
</tbody>
</table>

Volume Module: >> Count Date: 21 Feb 2002 << 8:00-9:00AM

Base Vol:

| Growth Adj | 1.00 1.00 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 36 155 28 0 63 9 44 117 0 |
| Added Vol | 0 0 0 0 0 0 0 0 0 0 0 0 |
| ATI | 0 0 0 0 0 0 0 0 0 0 0 0 |

User Adj:

| PHF Adj | 1.00 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 36 155 28 0 63 9 44 117 0 |
| Reuct Vol | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Reduced Vol | 0 0 0 36 155 28 0 63 9 44 117 0 |
| PCE Adj | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| MLF Adj | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Final Vol. | 0 0 0 36 155 28 0 63 9 44 117 0 |

Saturation Flow Module:

| Sat/Lane | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment | 0.97 1.06 0.97 1.00 1.03 1.00 0.97 1.00 1.00 1.00 1.00 0.97 |
| Lanes | 0.00 0.00 0.00 0.50 2.11 0.39 0.00 0.88 0.12 0.27 0.73 0.00 |
| Final Sat. | 0 0 0 904 3892 703 0 1575 225 492 1308 0 |

Capacity Analysis Module:

| Vol/Sat | 0.00 0.00 0.00 0.04 0.04 0.04 0.00 0.04 0.04 0.09 0.09 0.00 |
| Crit Moves: | **** | **** |
| Green Time | 0.0 0.0 0.0 19.2 18.2 18.2 0.0 40.8 40.8 40.8 40.8 0.0 |
| Volume/Cap | 0.00 0.00 0.00 0.14 0.14 0.14 0.00 0.06 0.06 0.14 0.14 0.00 |
| Delay/Veh | 0.0 0.0 0.0 13.4 13.4 13.4 0.0 3.6 3.6 3.8 3.8 0.0 |
| Delay Adj | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Fctr | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh | 0.0 0.0 0.0 13.4 13.4 13.4 0.0 3.6 3.6 3.8 3.8 0.0 |
| DesignQueue | 0 0 0 1 4 1 0 1 0 1 2 0 |
Intersection #3779: SAN SALVADOR/SECOND

Final Vol:  9  49  12  0  1  0

Vol Cnt Date: 22/12/2002
Cycle Time (sec): 65
Loss Time (sec): 6
Critical V/C: 0.111
Avg Crit Del (sec/veh): 7.7
Avg Delay (sec/veh): 7.8

LOS: B

Approach:  North Bound  South Bound  East Bound  West Bound

Movement:  L - T - R  L - T - R  L - T - R  L - T - R

Min. Green:  10  10  10  10  10  10  10  10  10  10  10

Volume Module: >> Count Date: 21 Feb 2002 << 8:00-9:00AM
Base Vol:  6 72 7 12 49 9 4 39 3 14 74 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
Initial Bse:  6 72 7 12 49 9 4 39 3 14 74 11
Added Vol:  0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol:  0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut:  6 72 7 12 49 9 4 39 3 14 74 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
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:  6 72 7 12 49 9 4 39 3 14 74 11
Reduced Vol:  0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol:  6 72 7 12 49 9 4 39 3 14 74 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
MLF Adj:  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol:  6 72 7 12 49 9 4 39 3 14 74 11

Saturation Flow Module:
Sat/Lane:  1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment:  0.97 1.00 1.00 0.97 1.00 1.00 0.97 0.97 0.97 0.97 0.97 0.97
Lanes:  1.00 0.91 0.09 1.00 0.84 0.16 0.09 0.85 0.06 0.14 0.75 0.11
Final Sat.:  1750 1641 159 1750 1521 279 152 1484 114 247 1308 194

Capacity Analysis Module:
Vol/Sat:  0.00 0.04 0.04 0.01 0.02 0.03 0.03 0.03 0.03 0.06 0.06 0.06
Crit Moves:  ****
Green Time:  25.8 25.8 25.8 25.8 25.8 25.8 33.2 33.2 33.2 33.2 33.2 33.2
Volume/Cap:  0.01 0.11 0.11 0.02 0.08 0.08 0.05 0.05 0.05 0.11 0.11 0.11
Delay/Veh:  9.0 9.4 9.4 9.1 9.3 9.3 6.1 6.1 6.1 6.3 6.3 6.3
Delay Adj:  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr:  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh:  9.0 9.4 9.4 9.1 9.3 9.3 6.1 6.1 6.1 6.3 6.3 6.3
DesignQueue:  0 2 0 0 1 0 0 1 0 0 1 0
Intersection #3780: SAN SALVADOR/10TH

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<td>L - T - R</td>
<td>L - T - R</td>
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<td>21 604 142</td>
<td>0 139 56</td>
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<td>21 604 142</td>
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<td>0 0</td>
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<tr>
<td>Initial Fut:</td>
<td>0 0 0</td>
<td>21 604 142</td>
<td>0 139 56</td>
<td>53 196 0</td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
</tr>
<tr>
<td>PHF Adj:</td>
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<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
</tr>
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<td>PHF Volume:</td>
<td>0 0 0</td>
<td>21 604 142</td>
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<tr>
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<tr>
<td>Reduced Vol:</td>
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<td>21 604 142</td>
<td>0 139 56</td>
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<td>PCE Adj:</td>
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<tr>
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<tr>
<td>Final Vol:</td>
<td>0 0 0</td>
<td>21 604 142</td>
<td>0 139 56</td>
<td>53 196 0</td>
</tr>
</tbody>
</table>

Saturation Flow Module:
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
- Lanes: 0.00 0.00 0.00 1.00 3.00 1.00 0.00 0.00 0.71 0.29 0.21 0.79 0.00
- Final Sat.: 0 0 0 1750 5700 1750 0 1283 517 383 1417 0

Capacity Analysis Module:
- Vol/Sat: 0.00 0.00 0.00 0.01 0.11 0.08 0.00 0.11 0.11 0.14 0.14 0.00
- Crit Moves: ****
- Green Time: 0.0 0.0 0.0 25.6 25.6 25.6 0.0 33.4 33.4 33.4 33.4 33.4 0.0
- Volume/Cap: 0.00 0.00 0.00 0.03 0.27 0.21 0.00 0.21 0.21 0.27 0.27 0.27 0.00
- Delay/Veh: 0.0 0.0 0.0 9.2 10.2 9.9 0.0 6.6 6.6 6.8 6.8 6.8 0.0
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdj/Pct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 0.0 0.0 0.0 9.2 10.2 9.9 0.0 6.6 6.6 6.8 6.8 6.8 0.0
- Design Queue: 0 0 0 0 14 3 0 3 1 1 4 0
Intersection #3780: SAN SALVADOR/10TH

Final Vol: 552
Lanes: 125 552

Signal=Split/Right=Include

Vol Cnt Date: 02/24/2001
Cycle Time (sec): 65
Loss Time (sec): 6
Critical V/C: 0.348
Avg Cnt Del (sec/veh): 7.5
Avg Delay (sec/veh): 8.1

Lanes: Final Vol
0 0 0 0 0
123 0 0 0 0
49 0 0 0 0

Approach:
North Bound: L 10 10 10 10 10
South Bound: L 10 10 10 10 10
East Bound: L 10 10 10 10 10
West Bound: L 10 10 10 10 10

Min. Green: 0 0 0 10 10 10 10 10 10
Volume Module: >> Count Date: 24 Apr 2001 <<
Base Vol: 0 0 0 0 19 552 125 0 123 49 47 173 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 19 552 125 0 123 49 47 173 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 0 19 552 125 0 123 49 47 173 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 0 0 19 552 125 0 123 49 47 173 0
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 19 552 125 0 123 49 47 173 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 0 19 552 125 0 123 49 47 173 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.00 1.00 0.97 1.00 1.00 1.00 1.00 1.00 0.97
Lanes: 0.00 0.00 0.00 0.05 1.59 0.36 0.00 0.72 0.28 0.21 0.79 0.00
Final Sat.: 0 0 0 0 98 2855 647 0 1287 513 385 1415 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.19 0.19 0.19 0.00 0.10 0.10 0.10 0.12 0.12 0.00
Crit Moves: ****
Green Time: 0.0 0.0 0.0 36.1 36.1 36.1 0.0 22.9 22.9 22.9 22.9 22.9 0.0
Volume/Cap: 0.00 0.00 0.00 0.35 0.35 0.35 0.00 0.27 0.27 0.35 0.35 0.35 0.00
Delay/Veh: 0.0 0.0 0.0 6.1 6.1 6.1 0.0 11.5 11.5 12.0 12.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgDelayFctr: 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
AdjDelay/veh: 0.0 0.0 0.0 6.1 6.1 6.1 0.0 11.5 11.5 12.0 12.0 0.0 0.0
DesignQueue: 0 0 0 0 9 2 0 3 1 1 4 0
**Intersection #3781: SAN SALVADOR/THIRD**

![Signal Diagram]

**Approach:**

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<tr>
<th>Movement</th>
<th>North Bound</th>
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<th>East Bound</th>
<th>West Bound</th>
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<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green:</td>
<td>10 10 10 0 0 0</td>
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**Volume Module:**

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<th>Count Date: 21 Feb 2002</th>
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<tr>
<td>Base Vol: 50 1521 90 0 0 0 32 66 0 0 104 157</td>
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<tr>
<td>Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Initial Bse: 50 1521 90 0 0 0 32 66 0 0 104 157</td>
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<tr>
<td>Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>ATC: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Initial Fut: 50 1521 90 0 0 0 32 66 0 0 104 157</td>
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<td>User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Volume: 50 1521 90 0 0 0 32 66 0 0 104 157</td>
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<tr>
<td>Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>Reduced Vol: 50 1521 90 0 0 0 32 66 0 0 104 157</td>
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<tr>
<td>PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Final Vol.: 50 1521 90 0 0 0 32 66 0 0 104 157</td>
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</table>

**Saturation Flow Module:**

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 1.00 1.02 1.00 0.97 1.06 0.97 1.00 1.00 0.97 0.97 1.00 1.00 1.00 1.00 1.00 |
| Lanes: 0.09 2.74 0.17 0.00 0.00 0.00 0.00 0.33 0.67 0.00 0.00 0.40 0.60 |
| Final Sat.: 166 5036 298 0 0 0 588 1212 0 0 717 1083 |

**Capacity Analysis Module:**

| Vol/Sat: 0.30 0.30 0.30 0.00 0.00 0.00 0.00 0.05 0.05 0.00 0.00 0.14 0.15 |
| Crit Moves: **** **** |
| Green Time: 43.2 43.2 43.2 0.0 0.0 0.0 20.8 20.8 0.0 0.0 20.8 20.8 |
| Volume/Cap: 0.49 0.49 0.49 0.00 0.00 0.00 0.18 0.18 0.00 0.00 0.49 0.49 |
| Delay/Veh: 5.7 5.7 5.7 0.0 0.0 0.0 13.9 13.9 0.0 0.0 16.0 16.0 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Pctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: 5.7 5.7 5.7 0.0 0.0 0.0 13.9 13.9 0.0 0.0 16.0 16.0 |
| Design Queue: 1 25 1 0 0 0 1 2 0 0 3 4 |
Intersection #3781: SAN SALVADOR/THIRD

<table>
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<tr>
<th>Final Vol:</th>
<th>Signal=SplitRights=Include</th>
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<tr>
<td>Lanes:</td>
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<tr>
<td>36</td>
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<td>74</td>
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<table>
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<tr>
<th>Vol Ctrl Date:</th>
<th>Cycle Time (sec):</th>
<th>Loss Time (sec):</th>
<th>Critical V/C:</th>
<th>Avg Ctrl Del (sec/veh):</th>
<th>Avg Delay (sec/veh):</th>
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<tr>
<td>2/21/2002</td>
<td>70</td>
<td>6</td>
<td>0.551</td>
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<th>Lanes: Final Vol:</th>
<th>Signal=SplitRights=Include</th>
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<tr>
<td>0 1 1 1 1 10</td>
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| Lanes: Final Vol: |         | 56*** 1713 |

**Approach:**

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<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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**Min. Green:**

10 10 10 0 0 0 10 10 0 0 10 10 0

**Volume Module:**

>> Count Date: 21 Feb 2002 << 7:45-8:45AM

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<td>56 1713</td>
<td>1.00 1.00</td>
<td>56 1713</td>
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<td>1.00</td>
<td>1.00 1.00</td>
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<td>56 1713</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>56 1713</td>
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</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Adjustment: | 1.00 1.00 1.00 1.00 0.97 1.06 0.97 1.00 0.97 0.97 1.00 0.97 1.00 1.00 |
| Lanes: | 0.09 2.74 0.17 0.00 0.00 0.00 0.03 3.07 0.00 0.00 0.40 0.60 |
| Final Sat.: | 165 5038 297 | 0   0   0   589 1211 | 0   0   0   716 1084 |

**Capacity Analysis Module:**

| Vol/Sat.: | 0.34 0.34 0.34 0.00 0.00 0.00 0.00 0.06 0.06 0.00 0.00 0.16 0.16 |
| Crit Moves: | **** |
| Green Time: | 43.2 43.2 43.2 0.0 0.0 0.0 20.8 20.8 0.0 0.0 20.8 20.8 |
| Volume/Cap: | 0.55 0.55 0.55 0.00 0.00 0.00 0.21 0.21 0.00 0.00 0.55 0.55 |
| Delay/Veh: | 6.0 6.0 6.0 0.0 0.0 0.0 14.0 14.0 0.0 0.0 16.7 16.7 |
| Delay Adj.: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr.: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 6.0 6.0 6.0 0.0 0.0 0.0 14.0 14.0 0.0 0.0 16.7 16.7 |
| DesignQueue: | 1 2 8 2 0 0 0 1 2 0 0 3 5 |
### Intersection #3782: SANTA CLARA/SECOND

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>36</th>
<th>134p</th>
<th>19</th>
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<td>1</td>
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<tr>
<th>Vol Ctrl Date:</th>
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<tbody>
<tr>
<td>Cycle Time (sec):</td>
<td>50</td>
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</table>

| Loss Time (sec): | 6 |

| Critical VIC: | 0.323 |

| Avg Crit Del (sec/veh): | 5.0 |

| Avg Delay (sec/veh): | 4.4 |

| LOS: | A |

<table>
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<tr>
<th>Approach:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
<td>Movement:</td>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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| Min. Green: | 0 0 0 10 10 10 0 10 10 |

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<th>&gt;&gt; Count Date: 2 May 2001 &lt;&lt;</th>
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<tbody>
<tr>
<td>Base Vol:</td>
<td>19 139 35 0 566 130 91 746 0</td>
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<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>Initial Bse:</td>
<td>19 139 35 0 566 130 91 746 0</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>ATTI:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Initial Ptw:</td>
<td>19 139 35 0 566 130 91 746 0</td>
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<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Adj:</td>
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<td>PHF Volume:</td>
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<tr>
<td>Reduce Vol:</td>
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<tr>
<td>Reduced Vol:</td>
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<tr>
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<tr>
<td>MLF Adj:</td>
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</tr>
<tr>
<td>Final Vol.:</td>
<td>19 139 35 0 566 130 91 746 0</td>
</tr>
</tbody>
</table>

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustmtn: | 0.97 1.06 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.06 0.97 |
| Lanes: | 0.00 0.00 0.00 0.12 0.88 1.00 0.00 1.62 0.38 1.00 2.00 0.00 |
| Final Sat.: | 0 0 0 0 216 1584 1750 0 3008 691 1750 3800 |

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<th>Capacity Analysis Module:</th>
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<tbody>
<tr>
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Intersection #3785: SANTA CLARA/10TH

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<td>Reduct Vol:</td>
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<td>Vol/Sat:</td>
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<tr>
<td>Crit Moves:</td>
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<td>Green Time:</td>
<td>0.0 0.0 0.0 20.5 20.5 20.5 0.0 26.7 26.7 18.7 45.5 0.0</td>
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<td>Volume/Cap:</td>
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<td>Delay/Veh:</td>
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Intersection #3785: SANTA CLARA/10TH

Approach: North Bound  | South Bound  | East Bound  | West Bound  

Movement: L - T - R  | L - T - R  | L - T - R  | L - T - R

Min. Green: 0 0 0 10 10 10 7 10 10

Volume Module: >> Count Date: 22 Feb 2001 <<
Base Vol: 0 0 23 356 27 42 448 127 122 121
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 23 356 27 42 448 127 122 121
Added Vol: 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 23 356 27 42 448 127 122 121
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 23 356 27 42 448 127 122 121
Reduct Vol: 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 23 356 27 42 448 127 122 121
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 0 23 356 27 42 448 127 122 121

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.00 0.97 1.04 1.00
Lanes: 0.00 0.00 0.00 0.11 1.76 0.13 1.00 1.55 0.49
Final Sat.: 0 0 204 3157 239 1750 2882 817 1750 2556

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.11 0.11 0.11 0.02 0.16 0.16 0.10
Critt Moves: 0.00 0.00 0.00 0.75 0.75 0.75 0.26 0.36 0.36 0.36
Green Time: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.00 0.00 0.00 27.1 27.1 27.1 24.2 10.8 10.8 16.1
DesignQueue: 0 0 0 1 13 1 2 11 3 6 21 9
### Intersection #3788: SANTA CLARA/THIRD

#### Approach: North Bound

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#### Saturation Flow Module:

- Sat./Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 1.00 1.04 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.03
- Lanes: 0.20 2.80 1.00 0.00 0.00 0.00 1.00 2.00 0.00 0.00 1.65
- Final Sat.: 363 5236 1750 0 0 0 1750 3800 0 0 3064 635

#### Capacity Analysis Module:

- Vol./Sat: 0.28 0.28 0.07 0.00 0.00 0.00 0.12 0.11 0.00 0.00 0.18 0.18
- Crit Moves: **** ****
- Green Time: 29.2 29.2 29.2 0.0 0.0 0.0 12.8 31.8 0.0 0.0 19.0 19.0
- Volume/Cap: 0.66 0.66 0.19 0.00 0.00 0.00 0.66 0.25 0.00 0.00 0.66 0.66
- Delay/Veh: 13.0 13.0 9.8 0.0 0.0 0.0 23.6 8.9 0.0 0.0 18.3 18.3
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 13.0 13.0 9.8 0.0 0.0 0.0 23.6 8.9 0.0 0.0 18.3 18.3
- DesignQueue: 2 35 3 0 0 0 7 9 0 0 16 3
Intersection #3794: SECOND/ST. JAMES

Approach:

 Movement: | North Bound | South Bound | East Bound | West Bound |
----------|-------------|-------------|-----------|------------|
 L - T - R | L - T - R   | L - T - R   | L - T - R |
 Min. Green: | 0 0 0 | 10 10 0 | 0 10 10 | 0 0 0 |
 Volume Module: | >> Count Date: 26 Feb 1998 << |
 Base Vol: | 0 0 0 | 39 132 | 57 492 82 | 0 0 0 |
 Growth Adj: | 1.00 1.00 | 100 100 | 100 100 | 100 100 |
 Initial Bse: | 0 0 0 | 39 132 | 57 492 82 | 0 0 0 |
 Added Vol: | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 |
 PasserByVol: | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 |
 Initial Fut: | 0 0 0 | 39 132 | 57 492 82 | 0 0 0 |
 User Adj: | 1.00 1.00 | 100 100 | 100 100 | 100 100 |
 FH F Adj: | 1.00 1.00 | 100 100 | 100 100 | 100 100 |
 FH F Volume: | 0 0 0 | 39 132 | 57 492 82 | 0 0 0 |
 Reduct Vol: | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 |
 Reduced Vol: | 0 0 0 | 39 132 | 57 492 82 | 0 0 0 |
 PCE Adj: | 1.00 1.00 | 100 100 | 100 100 | 100 100 |
 MLF Adj: | 1.00 1.00 | 100 100 | 100 100 | 100 100 |
 Final Vol.: | 0 0 0 | 39 132 | 57 492 82 | 0 0 0 |
 Capacity Analysis Module:
 Vol/Sat: | 0.00 0.00 0.00 | 0.09 0.10 0.00 | 0.18 0.18 0.18 | 0.00 0.00 0.00 |
 Crit Moves: | **** |
 Green Time: | 0.0 0.0 0.0 | 15.5 15.5 0.0 | 28.5 28.5 28.5 | 0.0 0.0 0.0 |
 Volume/Cap: | 0.00 0.00 0.00 | 0.31 0.31 0.00 | 0.31 0.31 0.31 | 0.00 0.00 0.00 |
 Delay/Veh: | 0.0 0.0 0.0 | 10.1 10.1 0.0 | 4.3 4.3 4.3 | 0.0 0.0 0.0 |
 Delay Adj: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
 Prg Adj Fctn: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
 Adj Del/Veh: | 0.0 0.0 0.0 | 10.1 10.1 0.0 | 4.3 4.3 4.3 | 0.0 0.0 0.0 |
 Design Queue: | 0 0 0 | 1 3 0 | 1 6 1 | 0 0 0 |
Intersection #3796: SECOND/VIRGINIA

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### Intersection #3797: SECOND/WILLIAM

#### Final Vol

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#### Vol/Crit Date: 3/25/1999
- Cycle Time (sec): 65
- Loss Time (sec): 6
- Critical VC: 0.173
- Avg Crit Del (sec/veh): 8.6
- Avg Delay (sec/veh): 7.4
- LOS: B

---

### Approach: North Bound

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<tr>
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<td>MLP Adj:</td>
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<tr>
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---

### Saturation Flow Module:
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97
- Lanes: 0.00 0.00 0.00 0.20 2.72 0.08 0.00 0.36 0.64 0.83 0.17 0.00
- Final Sat.: 0 | 0 | 0 | 363 | 4986 | 151 | 0 | 645 | 1155 | 1493 | 307 |

---

### Capacity Analysis Module:
- Vol/Sat: 0.00 0.00 0.00 0.03 0.03 0.03 0.00 0.06 0.06 0.12 0.12 0.00
- Crit Vol: ****
- Green Time: 0.0 | 0.0 | 0.0 | 12.4 | 12.4 | 12.4 | 0.0 | 46.6 | 46.6 | 46.6 | 46.6 | 0.0
- Volume/Cap: 0.00 0.00 0.00 0.17 0.17 0.17 0.00 0.08 0.08 0.17 0.17 0.00
- Delay/Veh: 0.0 | 0.0 | 0.0 | 16.7 | 16.7 | 16.7 | 0.0 | 2.1 | 2.1 | 2.3 | 2.3 | 0.0
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Prog Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Adj Del/Veh: 0.0 | 0.0 | 0.0 | 16.7 | 16.7 | 16.7 | 0.0 | 2.1 | 2.1 | 2.3 | 2.3 | 0.0
- Design Queue: 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 2 | 0 | 0

---

Traffic 7.6.0115

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Intersection #3804: SEVENTH/VIRGINIA

Final Vol: 718 154
Lanes: 0 0 1 1

Vol Ctrl Date: 10/17/2000
Cycle Time (sec): 75
Loss Time (sec): 9
Critical VC: 0.797
Avg Crit Del (sec/veh): 20.7
Avg Delay (sec/veh): 16.7

LOS: C

Approach:

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

Min. Green:

Volume Module: >> Count Date: 17 Oct 2000 <<
Base Vol: 0 701 271 154 718 0 769 180 252 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: 0 701 271 154 718 0 769 180 252 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 701 271 154 718 0 769 180 252 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: 0 701 271 154 718 0 769 180 252 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 701 271 154 718 0 769 180 252 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 701 271 154 718 0 769 180 252 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.06 0.97 0.88 1.06 0.97 0.97 1.06 0.97
Lanes: 0.00 1.00 1.00 1.00 0.00 2.00 1.00 1.00 0.00 0.00 0.00
Final Sat.: 0 1900 1750 1750 1900 0 3150 1900 1750 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.37 0.15 0.09 0.38 0.00 0.24 0.09 0.14 0.00 0.00 0.00
Crt Moves: **** **** **** ****
Green Time: 0.0 34.7 34.7 8.3 43.0 0.0 23.0 23.0 23.0 0.0 0.0 0.0
Volume/Cap: 0.00 0.80 0.33 0.80 0.66 0.00 0.80 0.31 0.47 0.00 0.00 0.00
Delay/Veh: 0.0 16.6 9.8 38.4 9.4 0.0 20.9 15.2 16.5 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay: 0.0 16.6 9.8 38.4 9.4 0.0 20.9 15.2 16.5 0.0 0.0 0.0
DesignQueue: 0 17 6 6 14 0 23 5 8 0 0 0
Intersection #3810: ST. JAMES/10TH

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<tr>
<th>Final Vol:</th>
<th>Signal=Split/Rights=Include</th>
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<tr>
<td>Lanes:</td>
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<tr>
<td>542</td>
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<th>Signal=Permit Rights=Overlap</th>
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<td>Avg Crit Del (sec/veh):</td>
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<td>Avg Delay (sec/veh):</td>
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<td>Initial Fut:</td>
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<tr>
<td>Reduct Vol:</td>
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<tr>
<td>Reduced Vol:</td>
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<tr>
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<td>Lanes:</td>
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<td>DesignQueue:</td>
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Intersection #3810: ST. JAMES/10TH

**Approach:**

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**Volume Module:**

- Base Vol: 45 1195 13 11 422 37 30 229 16 41 747 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: 45 1195 13 11 422 37 30 229 16 41 747 53
- Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- PasseByVol: 0 0 0 0 0 0 0 0 0 0 0 0
- Initial Fut: 45 1195 13 11 422 37 30 229 16 41 747 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: 45 1195 13 11 422 37 30 229 16 41 747 53
- Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Final Vol.: 45 1195 13 11 422 37 30 229 16 41 747 53

**Saturation Flow Module:**

- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00
- Lanes: 1.00 0.99 0.01 1.00 0.92 0.08 1.00 0.93 0.07 1.00 0.93 0.07
- Final Sat.: 1750 1781 19 1750 1655 145 1750 1682 118 1750 1681 119

**Capacity Analysis Module:**

- Vol/Sat: 0.03 0.67 0.67 0.01 0.26 0.25 0.02 0.14 0.14 0.02 0.44 0.44
- Crit Moves: ****
- Green Time: 35.5 35.5 35.5 35.5 35.5 35.5 35.5 35.5 35.5 35.5 35.5 35.5
- Volume/Cap: 0.05 1.23 1.23 0.01 0.47 0.47 0.05 0.39 0.39 0.06 1.23 1.23
- Delay/Veh: 5.2 146 145.6 5.1 7.1 7.1 10.2 11.8 11.8 10.3 153 153.1
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjPtTr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 5.2 146 145.6 5.1 7.1 7.1 10.2 11.8 11.8 10.3 153 153.1
- Design Queue: 1 24 0 0 7 1 1 5 0 1 19 1

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Intersection #3812: ST. JAMES/13TH

**Approach:**

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<td>L - T - R</td>
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<tr>
<td>Min. Green</td>
<td>0 10 10</td>
<td>10 10 10</td>
<td>10 10 10</td>
<td>0 0 0</td>
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**Volume Module:**

- **Base Vol:** 316 15 16 155 5 47 199 12 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:** 0 316 15 16 155 0 47 199 12 0 0 0
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0
- **ATT:** 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 0 316 15 16 155 0 47 199 12 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:** 0 316 15 16 155 0 47 199 12 0 0 0
- **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 0 316 15 16 155 0 47 199 12 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
- **Final Vol:** 0 316 15 16 155 0 47 199 12 0 0 0

**Saturation Flow Module:**

- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.00 1.00 1.00 1.00 0.97 1.00 1.00 0.97 1.06 0.97
- **Lanes:** 0.00 0.95 0.05 0.09 0.91 0.00 0.36 1.55 0.09 0.00 0.00
- **Final Sat.:** 0 1718 82 168 1632 0 656 2777 167 0 0 0

**Capacity Analysis Module:**

- **Vol/Sat.:** 0.00 0.18 0.18 0.10 0.09 0.00 0.07 0.07 0.07 0.00 0.00
- **Crt Moves:** ****
- **Green Time:** 0.0 42.5 42.5 42.5 42.5 0.0 16.5 16.5 16.5 0.0 0.0 0.0
- **Volume/Cap:** 0.00 0.28 0.28 0.15 0.19 0.00 0.28 0.28 0.28 0.00 0.00 0.00
- **Delay/Veh:** 0.0 3.7 3.7 3.3 3.3 0.0 14.8 14.8 14.8 0.0 0.0 0.0
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdj/Cptr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 0.0 3.7 3.7 3.3 3.3 0.0 14.8 14.8 14.8 0.0 0.0 0.0
- **DesignQueue:** 0 4 0 0 2 0 1 5 0 0 0
## Intersection #3812: ST. JAMES/13TH

### Traffic Analysis

- **Final Vol**
  - Lanes: 25
  - 1
  - 107
  - 6

- **Vol Crit Date**
  - 65

- **Loss Time**
  - 6

- **Critical Vic**
  - 0.567

- **Avg Crit Del (sec/veh)**
  - 10.1

- **Avg Delay (sec/veh)**
  - 9.6

- **LOS**
  - B

### Approach Analysis

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<th>East Bound</th>
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### Volume Module: >> Count Date: 4 Mar 1998 <<

- **Base Vol**: 32 332 8 8 163 41 25 107 6 12 551 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 Bae**: 32 332 8 8 163 41 25 107 6 12 551 56
- **Added Vol**: 0 0 0 0 0 0 0 0 0 0 0 0
- **PasserByVol**: 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut**: 32 332 8 8 163 41 25 107 6 12 551 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**: 32 332 8 8 163 41 25 107 6 12 551 56
- **Reduct Vol**: 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol**: 32 332 8 8 163 41 25 107 6 12 551 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
- **Final Vol**: 32 332 8 8 163 41 25 107 6 12 551 56

### Saturation Flow Module:

- **Sat/Lane**: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment**: 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97
- **Lanes**: 0.09 0.91 1.00 0.05 0.95 1.00 0.19 0.81 1.00 0.02 0.98 1.00
- **Final Sat.**: 158 1642 1750 84 1716 1750 341 1459 1750 38 1762 1750

### Capacity Analysis Module:

- **Vol/Sat**: 0.20 0.20 0.00 0.09 0.10 0.02 0.07 0.07 0.00 0.31 0.31 0.03
- **Crt Moves**: ****
- **Green Time**: 23.2 23.2 23.2 23.2 23.2 23.2 23.2 35.8 35.8 35.8 35.8 35.8
- **Volume/Cap**: 0.57 0.57 0.01 0.27 0.27 0.07 0.13 0.13 0.01 0.57 0.57 0.06
- **Delay/Veh**: 13.7 13.7 10.3 11.4 11.4 10.5 5.4 5.4 5.0 7.8 7.8 5.1
- **Delay Adj**: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjCttr**: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh**: 13.7 13.7 10.3 11.4 11.4 10.5 5.4 5.4 5.0 7.8 7.8 5.1
- **DesignQueue**: 1 8 0 0 4 1 0 2 0 0 10 1
**Intersection #3813: ST. JOHN/10TH**

**Final Vol:** 34, **Signal=Split/Rightsinclude**

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<td>1.00 1.00 1.00 1.00 1.00</td>
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**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.0 0.97 1.0 0.97 1.0 0.97 1.0 0.97 1.0 0.97
- **Lanes:** 0.00 0.00 0.00 0.06 0.27 0.23 0.00 0.44 0.56 0.31 0.69 0.00
- **Final Sat.:** 99 4978 422 0 784 1016 558 1242 0

**Capacity Analysis Module:**
- **Vol/Sat:** 0.00 0.00 0.00 0.08 0.08 0.08 0.00 0.07 0.07 0.06 0.06 0.00
- **Crit Moves:** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- **Green Time:** 31.8 31.8 31.8 31.8 31.8 31.8
- **Volume/Cap:** 0.00 0.00 0.00 0.16 0.16 0.16 0.00 0.16 0.16 0.13 0.13 0.00
- **Delay/Veh.:** 0.0 0.0 0.0 7.0 7.0 7.0 0.0 9.0 9.0 8.9 8.9 0.0
- **Delay Adj:** 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
- **ProgAdjFctr:** 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
- **AdjDel/Veh:** 0.00 0.00 0.00 7.0 7.0 7.0 0.0 9.0 9.0 8.9 8.9 0.0
- **DesignQueue:** 0.00 0.00 0.00 8 1 0 1 1 1 1 1 0

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Intersection #3814: ST. JOHN/THIRD

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Saturation Flow Module:
| Sat/Lane: | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 |
| Adjustment: | 1.00 1.00 | 1.00 1.00 | 0.97 1.06 | 0.97 1.00 |
| Lanes: | 0.22 0.47 | 0.11 0.00 | 0.00 0.00 | 0.44 0.56 |
| Final Sat.: | 402 492 | 206 0 | 0 0 | 797 1003 |

Capacity Analysis Module:
| Vol/Sat: | 0.28 0.28 0.28 | 0.00 0.00 0.00 | 0.00 0.03 0.03 | 0.00 0.00 0.03 0.03 |
| Crit Moves: | **** | **** | **** | **** |
| Green Time: | 34.0 34.0 34.0 | 0.0 0.0 0.0 | 0.0 10.0 10.0 | 0.0 0.0 10.0 |
| Volume/Cap: | 0.41 0.41 0.41 | 0.00 0.00 0.00 | 0.17 0.17 0.17 | 0.00 0.00 0.17 0.17 |
| Delay/Veh: | 2.7 2.7 2.7 | 0.0 0.0 0.0 | 12.6 12.6 12.6 | 0.0 12.6 12.6 |
| Delay Adj: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| AdjDel/Veh: | 2.7 2.7 2.7 | 0.0 0.0 0.0 | 12.6 12.6 12.6 | 0.0 0.0 0.0 |
| Design Queue: | 1 13 1 | 0 0 0 | 0 2 1 | 0 2 1 |
Intersection #3814: ST. JOHN/THIRD

Final Vol: Lanes: 0 0 0 0

Signal=SplitRights=Include

Vol Crit Date: Cycle Time (sec): 11/1/2001 50

Loss Time (sec): 6

Critical V/C: 0.363

Avg Crit Del (sec/veh): 3.1

Avg Delay (sec/veh): 3.8

LOS: A

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 10 0 0 0 10 10 0 0 10 10 0

Volume Module: >> Count Date: 1 Nov 2001 << 7:30-8:30AM

Base Vol: 114 1389 59 0 0 0 28 35 0 0 88 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 Sbe: 114 1389 59 0 0 0 28 35 0 0 88 38

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

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

Initial Put: 114 1389 59 0 0 0 28 35 0 0 88 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: 114 1389 59 0 0 0 28 35 0 0 88 38

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

Reduced Vol: 114 1389 59 0 0 0 28 35 0 0 88 38

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

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

Final Vol: 114 1389 59 0 0 0 28 35 0 0 88 38

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 1.00 1.00 1.00 0.97 1.06 0.97 1.00 0.97 0.97 1.04 1.00

Lanes: 401 4891 208 0 0 0 800 1000 0 0 2583 1116

Capacity Analysis Module:

Vol/Sat: 0.28 0.28 0.28 0.00 0.00 0.00 0.04 0.04 0.00 0.00 0.03 0.03

Crit Moves: Green Time: 34.0 34.0 34.0 0.0 0.0 0.0 10.0 10.0 0.0 0.0 10.0 10.0

Volume/Cap: 0.42 0.42 0.42 0.00 0.00 0.00 0.18 0.18 0.00 0.00 0.17 0.17

Delay/Veh: 2.8 2.8 2.8 0.0 0.0 0.0 12.6 12.6 0.0 0.0 12.6 12.6

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

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 2.8 2.8 2.8 0.0 0.0 0.0 12.6 12.6 0.0 0.0 12.6 12.6

DesignQueue: 1 13 1 0 0 0 1 1 0 0 2 1

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Intersection #3822: TAYLOR/10TH

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Min. Green: 7 10 10 7 10 10 10 10 10 10 10

Volume Module: Count Date: 20 Mar 2001
Base Vol: 138 1373 53 11 181 27 27 311 25 60 773 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: 138 1373 53 11 181 27 27 311 25 60 773 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 138 1373 53 11 181 27 27 311 25 60 773 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 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: 138 1373 53 11 181 27 27 311 25 60 773 0
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 138 1373 53 11 181 27 27 311 25 60 773 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
Final Vol.: 138 1373 53 11 181 27 27 311 25 60 773 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 1.00 1.92 0.08 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 1750 3562 138 1750 1900 1750 1750 1900 1750 1750 1900 1750

Capacity Analysis Module:
Vol/Sat: 0.08 0.39 0.39 0.01 0.10 0.02 0.02 0.16 0.01 0.03 0.41 0.00
Crit Moves: **** ****
Green Time: 37.9 40.9 40.9 7.0 10.0 10.0 43.1 43.1 81.0 43.1 43.1 0.0
Volume/Cap: 0.21 0.94 0.94 0.09 0.95 0.15 0.04 0.38 0.02 0.08 0.94 0.00
Delay/Veh: 16.0 30.6 30.6 33.1 71.7 31.3 12.5 14.8 1.4 12.7 34.6 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 16.0 30.6 30.6 33.1 71.7 31.3 12.5 14.8 1.4 12.7 34.6 0.0
DesignQueue: 5 50 2 1 9 1 1 10 0 2 27 0
Intersection #3826: THIRD/VIRGINIA

Final Vol: 65
Lanes: 0
Vol Crit Date: 2/21/2002
Cycle Time (sec): 70
Loss Time (sec): 6
Critical V/C: 0.391
Avg Crit Del (sec/Veh): 7.1
Avg Delay (sec/Veh): 7.8
LOS: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 10 10 10
Volume Module: >> Count Date: 21 Feb 2002 << 7:30-8:30AM
Base Vol: 32 1163 75 0 0 0 65 105 0 0 49 179
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bas: 32 1163 75 0 0 0 65 105 0 0 49 179
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 32 1163 75 0 0 0 65 105 0 0 49 179
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Vol: 32 1163 75 0 0 0 65 105 0 0 49 179
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 32 1163 75 0 0 0 65 105 0 0 49 179
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 32 1163 75 0 0 0 65 105 0 0 49 179

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.02 1.00 0.97 1.06 0.97 1.00 0.97 0.97 1.00 1.00
Lanes: 0.08 2.74 0.18 0.00 0.00 0.00 0.38 0.62 0.00 0.00 0.21 0.79
Final Sat.: 139 5036 325 0 0 0 688 1112 0 0 387 1413

Capacity Analysis Module:
Vol/Sat: 0.23 0.23 0.23 0.00 0.00 0.00 0.09 0.09 0.00 0.00 0.13 0.13
Curt Move: ****
Green Time: 41.3 41.3 41.3 0.0 0.0 0.0 22.7 22.7 0.0 0.0 22.7 22.7
Volume/Cap: 0.39 0.39 0.39 0.00 0.00 0.00 0.29 0.29 0.00 0.00 0.39 0.39
Delay/Veh: 5.8 5.8 5.8 0.0 0.0 0.0 13.5 13.5 0.0 0.0 14.2 14.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProGAdjFct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 5.8 5.8 5.8 0.0 0.0 0.0 13.5 13.5 0.0 0.0 14.2 14.2
Design Queue: 1 20 1 0 0 0 2 3 0 0 1 5
Intersection #3626: THIRD/VIRGINIA

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 10 10 10 10 10 10 10 10
Volume Module: >> Count Date: 21 Feb 2002 << 7:30-8:30AM
Base Vol: 27 976 68 25 161 36 52 169 19 11 77 142
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 27 976 68 25 161 36 52 169 19 11 77 142
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 27 976 68 25 161 36 52 169 19 11 77 142
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 27 976 68 25 161 36 52 169 19 11 77 142
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 27 976 68 25 161 36 52 169 19 11 77 142
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 27 976 68 25 161 36 52 169 19 11 77 142
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.03 0.91 0.06 0.11 0.73 0.16 0.22 0.70 0.08 0.05 0.33 0.62
Final Sat.: 44 1595 111 197 1269 284 379 1232 139 84 586 1080
Capacity Analysis Module:
Vol/Sat: 0.61 0.61 0.61 0.13 0.13 0.13 0.13 0.14 0.14 0.14 0.13 0.13 0.13
Crit Moves: **** **** ****
Green Time: 48.2 48.2 48.2 48.2 48.2 48.2 48.2 10.8 10.8 10.8 10.8 10.8 10.8
Volume/Cap: 0.83 0.83 0.83 0.17 0.17 0.17 0.83 0.83 0.83 0.17 0.17 0.17
Delay/Veh: 7.4 7.4 7.4 1.9 1.9 1.9 31.8 31.8 31.8 31.8 31.8 31.8
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 7.4 7.4 7.4 1.9 1.9 1.9 31.8 31.8 31.8 31.8 31.8 31.8
DesignQueue: 0 11 1 0 2 0 2 5 1 0 2 4
### Intersection #3827: THIRD/WILLIAM

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Vol Crit Date: 2/22/2002
Loss Time (sec): 6
Critical VC: 0.535
Avg Crit Del (sec/veh): 7.8
Avg Delay (sec/veh): 8.0
LOS: B

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<tr>
<th>Lanes: Final Vol</th>
<th>63***</th>
<th>1711</th>
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### Approach:

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<tr>
<th>Movement: North Bound</th>
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<th>West Bound</th>
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Min. Green: 10 10 10 0 0 10 10 10 0 0 10 10 10

Volume Module: >> Count Date: 20 Feb 2002 << 7:45-8:45AM
Base Vol: 63 1711 52 0 0 0 36 23 0 0 159 130
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: 63 1711 52 0 0 0 36 23 0 0 159 130
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 63 1711 52 0 0 0 36 23 0 0 159 130
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: 63 1711 52 0 0 0 36 23 0 0 159 130
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 63 1711 52 0 0 0 36 23 0 0 159 130
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
Final Vol: 63 1711 52 0 0 0 36 23 0 0 159 130

### Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
|-----------|------------------------|------------------------|------------------------|------------------------|
| Adjustment: | 1.00 1.02 1.00 0.97 1.06 0.97 1.00 1.00 0.97 0.97 1.00 1.00 |
| Lanes: | 0.10 2.81 0.09 0.00 0.00 0.00 0.61 0.39 0.00 0.00 0.55 0.45 |
| Final Sat: | 190 5153 157 0 0 0 1098 702 0 0 990 810 |

### Capacity Analysis Module:

| Vol/Sat: | 0.33 0.33 0.33 0.33 0.00 0.00 0.00 0.03 0.03 0.00 0.00 0.16 0.16 |
| Crit Moves: | **** |
| Green Time: | 46.5 46.5 46.5 0.0 0.0 0.0 22.5 22.5 0.0 0.0 22.5 22.5 |
| Volume/Cap: | 0.54 0.54 0.54 0.00 0.00 0.00 0.11 0.11 0.00 0.00 0.54 0.54 |
| Delay/Veh: | 6.3 6.3 6.3 0.0 0.0 0.0 14.4 14.4 0.0 0.0 17.5 17.5 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 6.3 6.3 6.3 0.0 0.0 0.0 14.4 14.4 0.0 0.0 17.5 17.5 |
| DesignQueue: | 1 30 1 0 0 0 1 1 0 0 5 4 |
Intersection #3827: THIRD/WILLIAM

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

Min. Green:  10  10  10  0  0  0  10  10  0  0  10  10

Volume Module: >> Count Date: 20 Feb 2002 << 7:45-8:15AM
Base Vol:  77 2079  63  0  0  0  44  28  0  0  193  158
Growth Adj:  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00
Initial Bse:  77 2079  63  0  0  0  44  28  0  0  193  158
Added Vol:  0  0  0  0  0  0  0  0  0  0  0
PasserByVol:  0  0  0  0  0  0  0  0  0  0  0
Initial Fut:  77 2079  63  0  0  0  44  28  0  0  193  158
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:  77 2079  63  0  0  0  44  28  0  0  193  158
Reduct Vol:  0  0  0  0  0  0  0  0  0  0  0
Reduced Vol:  77 2079  63  0  0  0  44  28  0  0  193  158
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
Final Vol:  77 2079  63  0  0  0  44  28  0  0  193  158

Capacity Analysis Module:
Vol/Sat:  0.40  0.40  0.40  0.00  0.00  0.00  0.04  0.04  0.00  0.00  0.19  0.20
Crit Moves:  ****  ****
Green Time:  46.5  46.5  46.5  0.0  0.0  0.0  22.5  22.5  0.0  0.0  22.5  22.5
Volume/Cap:  0.65  0.65  0.65  0.00  0.00  0.00  0.13  0.13  0.00  0.00  0.65  0.65
Delay/Veh:  7.2  7.2  7.2  0.0  0.0  0.0  14.6  14.6  0.0  0.0  19.3  19.3
Delay Adj:  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00
PropAdjPctr:  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00
AdjDel/Veh:  7.2  7.2  7.2  0.0  0.0  0.0  14.6  14.6  0.0  0.0  19.3  19.3
DesignQueue:  1  37  1  0  0  0  1  1  0  0  6  5
## Intersection #3835: VINE/WILLOW

### Traffic Flow

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<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
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<td>Base Vol:</td>
<td>29 969 25 30 99 10</td>
<td>22 176 12</td>
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<td>Growth Adj:</td>
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<td>Added Vol:</td>
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<td>21 215 47</td>
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<td>PHF Adj:</td>
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<td>21 215 47</td>
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<td>Reduct Vol:</td>
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<td>0 0 0</td>
<td>0 0 0</td>
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<td>22 176 12</td>
<td>21 215 47</td>
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<td>PCE Adj:</td>
<td>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 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Crit Moves:</td>
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<td>Green Time:</td>
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<td>Delay/Veh:</td>
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Intersection #3682: JACKSON/10TH

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<td>Min. Green:</td>
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<th>Volume Module: &gt;&gt;</th>
<th>Count Date: 22 Jul 1998 &lt;&lt;</th>
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<tr>
<td>Base Vol: 0 0 0 17 239 15 0 27 10 14 114 0</td>
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<tr>
<td>Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Initial Bse: 0 0 0 17 239 15 0 27 10 14 114 0</td>
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<tr>
<td>Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>ATI: 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Initial Fut: 0 0 0 17 239 15 0 27 10 14 114 0</td>
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<td>User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>PHF Volume: 0 0 0 17 239 15 0 27 10 14 114 0</td>
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<tr>
<td>Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Reduced Vol: 0 0 0 17 239 15 0 27 10 14 114 0</td>
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<td>PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Final Vol: 0 0 0 17 239 15 0 27 10 14 114 0</td>
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<td>Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800</td>
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<td>Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97</td>
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<tr>
<td>Lanes: 0.00 0.00 0.00 0.19 2.64 0.17 0.00 0.73 0.27 0.11 0.89 0.00</td>
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<td>Final Sat: 345 4850 304 0 1314 486 197 1603 0</td>
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<tr>
<td>Crit Moves: ****</td>
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<td>Green Time: 0.0 0.0 0.0 24.1 24.1 24.1 0.0 34.9 34.9 34.9 34.9 0.0</td>
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<td>Volume/Cap: 0.00 0.00 0.00 0.13 0.13 0.13 0.00 0.04 0.04 0.13 0.13 0.00</td>
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<td>Delay/Veh: 0.0 0.0 0.0 10.3 10.3 10.3 0.0 5.4 5.4 5.7 5.7 0.0</td>
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<td>Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>AdjDel/Veh: 0.0 0.0 0.0 10.3 10.3 10.3 0.0 5.4 5.4 5.7 5.7 0.0</td>
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<tr>
<td>DesignQueue: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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Intersection #3862: JACKSON/10TH

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

Min. Green: 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 22 Jul 1998 <<
Base Vol: 48 1189 28 12 200 12 11 41 8 10 172 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
Initial Bse: 48 1189 28 12 200 12 11 41 8 10 172 40
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 48 1189 28 12 200 12 11 41 8 10 172 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
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: 48 1189 28 12 200 12 11 41 8 10 172 40
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 48 1189 28 12 200 12 11 41 8 10 172 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
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 48 1189 28 12 200 12 11 41 8 10 172 40

Saturation Flow Module:
Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.04 0.94 0.02 0.05 0.90 0.05 0.18 0.69 0.13 0.05 0.77 0.18
Final Sat.: 66 1645 39 94 1562 94 321 1196 233 79 1356 315

Capacity Analysis Module:
Vol/Sat: 0.72 0.72 0.72 0.13 0.13 0.13 0.03 0.03 0.03 0.13 0.13 0.13
Crit Moves: ****
Green Time: 49.0 49.0 49.0 49.0 49.0 49.0 10.0 10.0 10.0 10.0 10.0 10.0
Volume/Cap: 0.96 0.96 0.96 0.17 0.17 0.17 0.22 0.22 0.22 0.82 0.82 0.82
Delay/Veh: 17.2 17.2 17.2 1.7 1.7 1.7 18.4 18.4 18.4 32.8 32.8 32.8
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 17.2 17.2 17.2 1.7 1.7 1.7 18.4 18.4 18.4 32.8 32.8 32.8
DesignQueue: 1 13 0 0 2 0 0 1 0 5 1

Traffic 7.8.0115 Copyright (c) 2003 Dowling Associates, Inc. Licensed to Hexagon Trans. San Jose
Intersection #3863: ALMADEN BLVD/CONVENTION CENTER

Final Vol: Lanes: Signal=ProtectRights=Include
0 0 0 3 0 211 25***

Vol Ctrt Date: Cycle Time (sec): Signal=Split Rights=Include
1/6/2009 100 0 5
Loss Time (sec): 6 0
Critical VIC: 0.330 1! 0
Avg Crit Del (sec/veh): 3.4 0
Avg Delay (sec/veh): 3.1 0 1***
LOS: A

Approach:

<table>
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<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
<td>L - T - R</td>
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<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green:</td>
<td>0 10 10 7</td>
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<td>0 0 0 0</td>
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Volume Module: >> Count Date: 6 Jan 2009 <<
Base Vol: 0 1666 39 25 211 0 0 0 0 1 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 1666 39 25 211 0 0 0 0 1 0 5
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 1666 39 25 211 0 0 0 0 1 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 1666 39 25 211 0 0 0 0 1 0 5
Reuct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 1666 39 25 211 0 0 0 0 1 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
Final Vol: 0 1666 39 25 211 0 0 0 0 1 0 5

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.00 3.00 1.00 3.00 0.00 0.00 0.00 0.00 0.00 0.17 0.00 0.83
Final Sat.: 0 5700 1750 1750 5700 0 0 0 292 0 1458

Capacity Analysis Module:
Vol/Sat: 0.00 0.29 0.02 0.01 0.04 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Crit Moves: **** ****
Green Time: 0.0 77.0 77.0 7.0 84.0 0.0 0.0 0.0 0.0 10.0 0.0 10.0
Volume/Cap: 0.00 0.38 0.03 0.20 0.04 0.00 0.00 0.00 0.00 0.03 0.00 0.03
Delay/Veh: 0.0 2.9 2.1 33.5 1.0 0.0 0.0 0.0 0.0 30.9 0.0 30.9
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 2.9 2.1 33.5 1.0 0.0 0.0 0.0 0.0 30.9 0.0 30.9
DesignQueue: 0 23 1 1 2 0 0 0 0 0 0 0
## Intersection #3957: 280/ALMADEN

### Traffic Flow and Analysis

#### Final Vol. Lanes
- **Signal=Permit/Rights=Include**
- **Final Vol. Lanes:** 73 169 0 0 0

#### Vol. Cnt Date
- **Cycle Time (sec):** 3/7/2002 90
- **Loss Time (sec):** 6
- **Critical VC:** 0.715
- **Avg Cnt Del (sec/veh):** 11.5
- **Avg Delay (sec/veh):** 12.1
- **LOS:** B

### Approach Analysis

<table>
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<tr>
<th>Movement</th>
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<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
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<tr>
<td>Volume Module:</td>
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<td>7 Mar 2002</td>
<td>&gt;&gt; 7:45-8:45AM</td>
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<td>0 922</td>
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<td>Initial Bae</td>
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<td>Initial Fut.</td>
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<td>User Adj</td>
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<tr>
<td>PHF Adj</td>
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<td>1.00</td>
<td>1.00</td>
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<tr>
<td>PHF Volume</td>
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<tr>
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<td>Final Vol.</td>
<td>0</td>
<td>922</td>
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### Capacity Analysis Module

| Vol/Sat | 0.00 | 0.16 | 0.00 | 0.00 | 0.03 | 0.04 | 0.00 | 0.00 | 0.00 | 0.45 | 0.45 | 0.51 |
| Crit Moves | **** |

### Other Analysis

- **Green Time:** 0.0 20.3 0.0 0.0 20.3 20.3 0.0 0.0 0.0 63.7 63.7 63.7
- **Volume/Cap:** 0.00 0.72 0.00 0.00 0.13 0.18 0.00 0.00 0.00 0.00 0.63 0.63 0.72
- **Delay/Veh:** 0.0 25.8 0.0 0.0 21.1 21.4 0.0 0.0 0.0 0.0 5.5 5.5 6.4
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 0.0 25.8 0.0 0.0 21.1 21.4 0.0 0.0 0.0 0.0 5.5 5.5 6.4
- **DesignQueue:** 0 0 0 0 0 0 0 0 0 1 12 30

---

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### Intersection #3985: DELMAS/SAN FERNANDO (FUT)

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<tr>
<th>Final Vol: Lanes:</th>
<th>Signal=Protect Rights=Include</th>
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</thead>
<tbody>
<tr>
<td>0 0 0 0 0 0</td>
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</tr>
</tbody>
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- **Vol Crt Date**: n/a
- **Cycle Time (sec)**: 100
- **Loss Time (sec)**: 0
- **Critical VC**: 0.000
- **Avg Crit Del (sec/veh)**: 0.0
- **Avg Delay (sec/veh)**: 0.0
- **LOS**: 0 0

#### Approach:

<table>
<thead>
<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>L - T - R</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

- **Min. Green**: 0 0 0 0 0 0 0 0 0 0 0 0
- **Volume Module**:
  - **Base Vol**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **Growth Adj**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **Initial Base**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **Added Vol**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **ATI**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **Initial Fut**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **User Adj**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **PHF Adj**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **PHF Volume**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **Reduct Vol**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **Reduced Vol**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **PEF Adj**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **MLF Adj**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **Final Vol.**: 0 0 0 0 0 0 0 0 0 0 0 0

- **Saturation Flow Module**:
  - **Sat/Lane**: 0 0 0 0 0 0 0 0 0 0 0 0
  - **Adjustment**: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Lanes**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **Final Sat.**: 0 0 0 0 0 0 0 0 0 0 0 0

- **Capacity Analysis Module**:
  - **Vol/Sat**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **Crit Moves**: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
  - **Volume/Cap**: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
  - **Delay/Veh**: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
  - **Delay Adj**: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **ProgAdjFctr**: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **AdjDel/Veh**: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
  - **DesignQueue**: 0 0 0 0 0 0 0 0 0 0 0 0
Intersection #3988: EMPIRE/FOURTH (FUT)

**Signal=Perm(Rights=Include**

**Vol Crit Data:**
- Cycle Time (sec): 100
- Loss Time (sec): 9
- Critical VC: 0.433
- Avg Crit Del (sec/veh): 16.7
- Avg Delay (sec/veh): 16.9
- LOS: C

**Final Vol:**
- Lanes: 11
- Signal=Split(Rights=Include**

**Approach:**

<table>
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<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green</td>
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<td>10</td>
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<td>10</td>
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</tbody>
</table>

**Volume Module:**

- Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Initial Base: 15 56 11 11 288 11 617 32 15 16 32 13
- Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- Passenger Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- Initial Fut: 15 56 11 11 288 11 617 32 15 16 32 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
- FHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- Reduced Vol: 15 56 11 11 288 11 617 32 15 16 32 13
- PCQ Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Final Vol: 15 56 11 11 288 11 617 32 15 16 32 13

**Saturation Flow Module:**

- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.00 1.00 0.97 1.00 1.00 0.97 0.97 0.97 1.00 1.00
- Lanes: 1.00 0.84 0.16 1.00 0.96 0.04 1.87 0.09 0.04 1.00 0.71 0.29
- Final Sat.: 1750 1504 296 1750 1734 66 3269 158 74 1750 1280 520

**Capacity Analysis Module:**

| Vol/Sat: | 0.01 0.04 0.04 0.01 0.17 0.17 0.19 0.20 0.20 0.01 0.03 0.03 |
| Crit Moves: | **** | **** | **** |
| Green Time: | 36.4 36.4 36.4 | 36.4 36.4 | 36.4 44.6 44.6 44.6 10.0 10.0 10.0 |
| Volume/Cap: | 0.02 0.10 0.10 | 0.02 0.46 0.46 0.42 0.46 0.46 0.09 0.25 0.25 |
| Delay/Veh: | 15.5 15.9 15.9 | 15.4 18.8 18.8 14.5 14.8 14.8 31.1 31.7 31.7 |
| Delay Adj: | 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Fctr: | 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDelay/Veh: | 15.5 15.9 15.9 | 15.4 18.8 18.8 14.5 14.8 14.8 31.1 31.7 31.7 |
| Design Queue: | 1 2 0 0 11 0 20 1 1 2 1 |

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### Intersection #3989: EMPIRE/THIRD (FUT)

#### Signal=Protect Rights=Include

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#### Approach: North Bound

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#### South Bound

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#### East Bound

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#### West Bound

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### Volume Module:

- **Base Vol:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **Growth Adj:**
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00

- **Initial Base:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **Added Vol:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **ATI:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **Initial Fut:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **User Adj:**
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00

- **PHF Adj:**
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00

- **PHF Volume:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **Reduct Vol:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **Reduced Vol:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **PCE Adj:**
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00

- **MLF Adj:**
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00

- **Final Vol.:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

### Saturation Flow Module:

- **Sat/Lane:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

- **Adjustment:**
  - 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

- **Final Sat.:**
  - 0
  - 0
  - 0
  - 0
  - 0
  - 0

### Capacity Analysis Module:

- **Vol/Sat:**
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00
  - 0.00

- **Crt Moves:**
  - Green Time:
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00

  - Volume/Cap:
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00

  - Delay/Veh:
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00

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

  - ProgAdjFctr:
    - 1.00
    - 1.00
    - 1.00
    - 1.00
    - 1.00
    - 1.00

  - AdjDel/Veh:
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00
    - 0.00

  - DesignQueue:
    - 0
    - 0
    - 0
    - 0
    - 0
    - 0

---

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Intersection #3992: FIFTH/JULIAN (FUT)

### Approach: North Bound

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<th>Movement</th>
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<tbody>
<tr>
<td>Min. Green:</td>
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</table>

### Volume Module:

- **Base Vol.:** 44 44 73 29 29 29 3 34 3 19 704 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 Base:** 44 44 73 29 29 29 3 34 3 19 704 18
- **Added Vol.:** 0 0 0 0 0 0 0 0 0 0 0 0
- **PasserByVol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut.:** 44 44 73 29 29 29 3 34 3 19 704 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:** 44 44 73 29 29 29 3 34 3 19 704 18
- **Reduct Vol.:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol.:** 44 44 73 29 29 29 3 34 3 19 704 18
- **PCE Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **MLF Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Final Vol.:** 44 44 73 29 29 29 3 34 3 19 704 18

### Saturation Flow Module:

- **Sat/Lanes:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.03 1.00
- **Lanes:** 1.00 0.38 0.62 1.00 0.50 0.50 1.00 0.92 0.08 1.00 1.95 0.05
- **Final Sat.:** 1750 677 1123 1750 900 900 1750 1654 146 1750 3608 92

### Capacity Analysis Module:

- **Vol/Sat:** 0.03 0.06 0.07 0.02 0.03 0.03 0.00 0.02 0.02 0.01 0.20 0.20
- **Critt Moves:** 22.8 23.9 23.9 22.6 23.0 23.0 3.3 3.4 3.4 3.3 4.1 4.1
- **DesignQueue:** 2 2 3 1 1 1 0 1 0 0 12 0
# Intersection #4000: GOODYEAR/VINE (FUT)

**Final Vol:**

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<th>85</th>
<th>20***</th>
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**Signal=Protect/Right=Include**

**Vol Crt Date:** n/a

**Cycle Time (sec):** 100

**Loss Time (sec):** 9

**Critical VC:** 0.351

**Avg Crit Del (sec/veh):** 11.0

**Avg Delay (sec/veh):** 13.4

**LOS:** B

**Approach:**

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
</tr>
</tbody>
</table>

**Volume Module:**

| Base Vol: | 20 481 59 | 20 85 20 | 31 41 31 | 28 51 15 |
| Growth Adj: | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| Initial Bse: | 20 481 59 | 20 85 20 | 31 41 31 | 28 51 15 |
| Added Vol: | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     |
| PasserByVol: | 0 0 0   | 0 0 0   | 0 0 0   | 0 0 0   |
| Initial Fut: | 20 481 59 | 20 85 20 | 31 41 31 | 28 51 15 |
| 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: | 20 481 59 | 20 85 20 | 31 41 31 | 28 51 15 |
| Reduct Vol: | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     |
| Reduced Vol: | 20 481 59 | 20 85 20 | 31 41 31 | 28 51 15 |
| 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 |
| Final Vol: | 20 481 59 | 20 85 20 | 31 41 31 | 28 51 15 |

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 |
| Adjustment: | 0.97 1.06 | 0.97 1.06 | 0.97 1.06 | 0.97 1.06 | 0.97 1.06 | 0.97 1.06 | 0.97 1.06 | 0.97 1.06 |
| Lanes: | 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 1.00 |
| Final Sat.: | 1750 1750 | 1750 1750 | 1750 1750 | 1750 1750 | 1750 1750 | 1750 1750 | 1750 1750 | 1750 1750 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.01 0.25 | 0.01 0.25 | 0.01 0.25 | 0.01 0.25 | 0.01 0.25 | 0.01 0.25 | 0.01 0.25 | 0.01 0.25 |
| Crit Moves: | *****     | *****     | *****     | *****     | *****     | *****     | *****     | *****     |
| Green Time: | 30.5 67.0 | 30.5 67.0 | 30.5 67.0 | 30.5 67.0 | 30.5 67.0 | 30.5 67.0 | 30.5 67.0 | 30.5 67.0 |
| Volume/Cap: | 0.04 0.38 | 0.05 0.38 | 0.05 0.38 | 0.05 0.38 | 0.05 0.38 | 0.05 0.38 | 0.05 0.38 | 0.05 0.38 |
| Delay/Veh: | 18.6 5.6  | 4.3 33.3 | 12.7 12.7 | 33.3 32.9 | 32.9 32.9 | 32.9 32.9 | 32.9 32.9 | 32.9 32.9 |
| Delay Adj: | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| ProgAdjFctr: | 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 1.00 |
| AdjDel/Veh: | 18.6 5.6 | 4.3 33.3 | 12.7 12.7 | 33.3 32.9 | 32.9 32.9 | 32.9 32.9 | 32.9 32.9 | 32.9 32.9 |
| DesignQueue: | 1 9 1 1 3 1 2 2 2 1 3 1 |
Intersection #4012: MARTHA/THIRD (FUT)

Approach:

Movement:

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<tr>
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<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
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Min. Green:

| Min. Green | 0  |

Volume Module:

Base Vol:

| 0 0 0 |

Growth Adj:

| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |

Initial Bser:

| 0 0 0 |

Added Vol:

| 0 0 0 0 0 |

ATI:

| 0 0 0 0 0 |

Initial Fut:

| 0 0 0 |

Upser Adj:

| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |

PHF Adj:

| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |

PHF Volume:

| 0 0 0 0 0 |

Reduct Vol:

| 0 0 0 0 0 0 |

Reduced Vol:

| 0 0 0 0 0 0 |

PCE Adj:

| 0.00 0.00 0.00 0.00 |

MLF Adj:

| 0.00 0.00 0.00 0.00 |

Final Vol.:

| 0 0 0 0 0 0 |

Sat/Lane:

| 0 0 0 0 0 0 0 0 0 |

Adjustment:

| 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |

Lanes:

| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |

Final Sat.:

| 0 0 0 0 0 0 0 0 0 0 0 0 0 |

Capacity Analysis Module:

Vol/Sat:

| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |

Crit Moves:

Green Time:

| 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |

Volume/Cap:

| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |

Delay/Veh:

| 0.0 0.0 0.0 |

Delay Adj:

| 1.00 1.00 |

ProgAdjPctr:

| 1.00 1.00 |

AdjDel/Veh:

| 0.0 0.0 |

DesignQueue:

| 0 0 0 0 0 0 |
Intersection #4012: MARTHA/THIRD (FUT)

![Intersection Diagram]

<table>
<thead>
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<th>Signal/Permit Rights/Include</th>
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<tr>
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<td>1</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>0</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>Cycle Time (sec):</td>
<td>100</td>
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<tr>
<td>Loss Time (sec):</td>
<td>6</td>
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<tr>
<td>Critical V/C:</td>
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<tr>
<td>Avg Crit Del (sec/Veh):</td>
<td>3.6</td>
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<tr>
<td>Avg Delay (sec/Veh):</td>
<td>4.5</td>
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<td>A</td>
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<table>
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<th>Lanes</th>
<th>Final Vol:</th>
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<tr>
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<td>71**</td>
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**Approach:**

**Movement:**

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<th>T</th>
<th>R</th>
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<td>East Bound</td>
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<td></td>
</tr>
<tr>
<td>West Bound</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Min. Green:**

|                         | 10 | 10 | 10 |

**Volume Module:**

| Base Vol:   | 11 718 |
| Initial Base: | 11 718 |
| Added Vol:  | 0    |
| Reduced Vol: | 0    |
| PACE Adj:   | 0    |
| MFL Adj:    | 0    |

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 |
| Adjustment: | 0.97 0.97 | 0.97 0.97 | 0.97 0.97 | 0.97 0.97 |
| Lanes: | 0.01 0.78 | 0.12 0.76 | 0.12 0.37 | 0.26 0.37 |
| Final Sat.: | 26 1698 | 26 1213 | 212 651 | 448 651 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.42 0.42 | 0.42 0.08 | 0.08 0.08 | 0.08 0.02 | 0.02 0.02 | 0.02 0.02 |
| Crit Moves: | **** **** |
| Green Time: | 84.0 84.0 | 84.0 84.0 | 84.0 84.0 | 10.0 10.0 | 10.0 10.0 | 10.0 10.0 |
| Volume/Cap: | 0.50 0.50 | 0.50 0.09 | 0.09 0.09 | 0.09 0.25 | 0.25 0.25 | 0.25 0.25 |
| Delay/Veh: | 1.9 1.9 | 1.9 1.1 | 1.1 1.1 | 31.7 31.7 | 31.7 31.7 | 31.7 31.7 |
| Delay Adj: | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| ProgAdj/Fctr: | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| AdjDel/Veh: | 1.9 1.9 | 1.9 1.1 | 1.1 1.1 | 31.7 31.7 | 31.7 31.7 | 31.7 31.7 |
| DesignQueue: | 0 7 | 0 0 | 1 0 | 1 1 | 1 1 | 1 1 |
PM Peak Hour
Intersection Level of Service Calculations
### Intersection #3013: 87JULIAN (E)

**Final Vol:**
- Lanes: 0 282 213

**Vol Crit Date:**
- Loss Time (sec): 12
- Critical V/C: 0.596
- Avg Crit Del (sec/veh): 30.5
- Avg Delay (sec/veh): 28.6
- LOS: D

#### Approach:

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>Min. Green</td>
<td>10 10 10 0 7 10 0 0 10 10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Volume Module:
- Base Vol: 535 297 70 213 282 0 63 435 0 0 1430 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: 535 297 70 213 282 0 63 435 0 0 1430 58
- Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- ATP: 0 0 0 0 0 0 0 0 0 0 0 0
- Initial Fut: 535 297 70 213 282 0 63 435 0 0 1430 58
- PHP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- PHP Volume: 535 297 70 213 282 0 63 435 0 0 1430 58
- Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- Reduced Vol: 535 297 70 213 282 0 63 435 0 0 1430 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
- MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Final Vol: 535 297 70 213 282 0 63 435 0 0 1430 58

#### Saturation Flow Module:
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.98 1.00 1.00 0.98 1.03 0.97 0.88 1.06 0.97 0.97 1.04 1.00
- Lanes: 1.79 0.98 0.23 1.33 1.67 0.00 2.00 2.00 0.00 0.00 2.88 0.12
- Final Sat.: 3173 1761 415 2343 3103 0 3150 3800 0 0 5381 218

#### Capacity Analysis Module:
- Vol/Sat: 0.17 0.17 0.17 0.09 0.09 0.00 0.02 0.11 0.00 0.00 0.27 0.27
- Crit Moves: **** **** **** ****
- Green Time: 38.8 38.8 38.8 20.9 20.9 0.0 0.0 7.0 68.2 0.0 0.0 61.2 61.2
- Volume/Cap: 0.61 0.61 0.61 0.61 0.61 0.00 0.40 0.23 0.00 0.00 0.61 0.61
- Delay/Veh: 33.9 33.9 33.9 43.3 43.3 0.0 49.9 15.8 0.0 0.0 23.3 23.3
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- PropAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdvDel/Veh: 33.9 33.9 33.9 43.3 43.3 0.0 49.9 15.8 0.0 0.0 23.3 23.3
- DesignQueue: 31 17 4 14 0 0 0 5 18 0 0 67 3
Intersection #3013: 87/JULIAN (E)*

Final Vol: Lanes: 115*** 2
Signal=SplitRights=Include

Vol Crit Date: 3/22/2000
Cycle Time (sec): 140
Loss Time (sec): 12
Critical V/C: 1.087
Avg Crit Del (sec/veh): 91.4
Avg Delay (sec/veh): 83.1

Lanes: Final Vol: 0 106

Approach:

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

Min. Green: 10 10 10 0 10 10 0 0

Volume Module: >> Count Date: 22 Mar 2000 <<
Base Vol: 938 544 165 348 558 0 115 683 0 0 2600 106
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 938 544 165 348 558 0 115 683 0 0 2600 106
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 938 544 165 348 558 0 115 683 0 0 2600 106
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: 938 544 165 348 558 0 115 683 0 0 2600 106
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 938 544 165 348 558 0 115 683 0 0 2600 106
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
Final Vol: 938 544 165 348 558 0 115 683 0 0 2600 106

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.98 1.00 0.98 1.03 0.97 0.88 1.06 0.97 0.97 1.04 1.00
Lanes: 1.72 0.98 0.30 1.19 1.81 0.00 2.00 2.00 0.00 0.00 2.88 0.12
Final Sat.: 3047 1767 536 2092 3354 0 3150 3800 0 5380 219

Capacity Analysis Module:
Vol/Sat: 0.31 0.31 0.31 0.31 0.17 0.17 0.00 0.04 0.18 0.00 0.00 0.48 0.48
Crit Moves: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Green Time: 38.9 38.9 38.9 38.9 21.0 21.0 0.0 7.0 68.1 0.0 0.0 61.1 61.1
Volume/Cap: 2.11 1.11 1.11 1.11 0.00 0.73 0.37 0.00 0.00 1.11 1.11
Delay/Veh: 95.5 95.5 95.5 107.7 108 0.0 60.3 17.2 0.0 0.0 84.8 84.8
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 95.5 95.5 95.5 107.7 108 0.0 60.3 17.2 0.0 0.0 84.8 84.8
DesignQueue: 57 33 10 24 39 0 9 29 0 0 130 5
**Intersection #3014: 87/JULIAN (VV)**

**Approach:**

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<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green</td>
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<td>10 10 10</td>
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<td>&gt;&gt;&gt; Count Date: 2 May 2000 &lt;&lt;&lt;</td>
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<tr>
<td>Base Vol</td>
<td>0 0 0</td>
<td>85 71 86</td>
<td>0 702 42</td>
<td>406 709 1116</td>
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<tr>
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<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
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<tr>
<td>Initial Bse</td>
<td>0 0 0</td>
<td>85 71 86</td>
<td>0 702 42</td>
<td>406 709 1116</td>
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<tr>
<td>Added Vol</td>
<td>0 0 0</td>
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<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
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<td>85 71 86</td>
<td>0 702 42</td>
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**Saturation Flow Module:**

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<td>Final Sat.</td>
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<td>5700 1750</td>
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**Capacity Analysis Module:**

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<th>0.04 0.04</th>
<th>0.05 0.00</th>
<th>0.12 0.02</th>
<th>0.23 0.19</th>
<th>0.00 0.00</th>
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<td>****</td>
<td>****</td>
<td>****</td>
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<td>Green Time</td>
<td>0.0 0.00</td>
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<td>10.0 10.00</td>
<td>0.0 23.6</td>
<td>23.6 44.4</td>
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<td>Volume/Cap</td>
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<td>Delay/Veh.</td>
<td>0.0 0.00</td>
<td>0.0 27.4</td>
<td>27.4 28.2</td>
<td>20.2 18.0</td>
<td>10.6 1.9</td>
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<td>1.00 1.00</td>
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<td>27.4 28.2</td>
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<td>0 0 0 0</td>
<td>4 3 4</td>
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<td>10 8 0</td>
<td>0 0 0 0</td>
<td>4 3 4</td>
<td>0 26 1</td>
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</table>
Intersection #3015: 87/SANTA CLARA

Approach:  
North Bound  South Bound  East Bound  West Bound  Overlap

Movement:  | L  | T  | R  | L  | T  | R  | L  | T  | R  | L  | T  | R  |
-----------|----|----|----|----|----|----|----|----|----|----|----|----|
Min. Green: 10 0 10 0 0 0 0 0 0 0 0 0
Volume Module: >> Count Date: 22 Mar 2000 <<
Base Vol: 229 0 715 0 0 0 0 0 0 1019 0 0 828 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 1.00 1.00 1.00
Initial Bse: 229 0 715 0 0 0 0 0 0 1019 0 0 828 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Passer By Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 229 0 715 0 0 0 0 0 0 1019 0 0 828 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 1.00 1.00 1.00
PHF Adj: 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: 229 0 715 0 0 0 0 0 0 1019 0 0 828 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 229 0 715 0 0 0 0 0 0 1019 0 0 828 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 1.00 1.00 1.00
MLF Adj: 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
Final Vol: 229 0 715 0 0 0 0 0 0 1019 0 0 828 0

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.88 1.06 0.88 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 2.00 0.00 2.00 0.00 0.00 0.00 2.00 0.00 0.00 2.00 0.00
Final Sat: 3150 0 3150 0 0 0 0 3800 0 0 3800 0

Capacity Analysis Module:
Vol/Sat: 0.07 0.00 0.23 0.00 0.00 0.00 0.00 0.00 0.27 0.00 0.00 0.22 0.00
Crt Mves: ****
Green Time: 38.5 0.0 38.5 0.0 0.0 0.0 0.0 0.0 45.5 0.0 0.0 45.5 0.0
Volume/Cap: 0.17 0.00 0.53 0.00 0.00 0.00 0.00 0.00 0.53 0.00 0.00 0.43 0.00
Delay/Veh: 12.1 0.0 14.8 0.0 0.0 0.0 0.0 0.0 11.7 0.0 0.0 10.8 0.0
Design Queue: 7 0 22 0 0 0 0 27 0 0 22 0
Intersection #3021: 101/OAKLAND (N)

Approach:  
Movement: North Bound South Bound East Bound West Bound

Min. Green: 7 10 0 10 10 0 0 10 10 10

Volume Module: >> Count Date: 23 Mar 2000 <<
Base Vol: 289 921 0 0 1316 601 0 0 0 165 0 382
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 289 921 0 0 1316 601 0 0 0 165 0 382
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 289 921 0 0 1316 601 0 0 0 165 0 382
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 289 921 0 0 1316 601 0 0 0 165 0 382
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 289 921 0 0 1316 601 0 0 0 165 0 382
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 289 921 0 0 1316 601 0 0 0 165 0 382

Saturation Flow Module:
Sat./Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 1.00 1.00 0.97
Lanes: 1.00 2.00 0.00 0.00 2.00 1.00 0.00 0.00 0.00 1.00 0.00 1.00
Final Sat.: 1750 3800 0 0 3800 1750 0 0 0 1800 0 1750

Capacity Analysis Module:
Vol./Sat: 0.17 0.24 0.00 0.00 0.35 0.34 0.00 0.00 0.00 0.09 0.00 0.22
Crit Moves: **** ****
Green Time: 14.9 46.3 0.0 0.0 31.3 31.3 0.0 0.0 0.0 19.7 0.0 19.7
Volume/Cap: 0.83 0.39 0.00 0.00 0.89 0.82 0.00 0.00 0.00 0.35 0.00 0.83
Delay/Veh: 32.4 5.6 0.0 0.0 17.5 20.0 0.0 0.0 0.0 17.2 0.0 28.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 32.4 5.6 0.0 0.0 17.5 20.0 0.0 0.0 0.0 17.2 0.0 28.1
Design Queue: 10 16 0 0 35 16 0 0 0 5 0 12
Intersection #3021: 101/OAKLAND (N)

Final Vol: Lanes: 772
 Signal=Protect/Rights=Overlap
 1 0 2 0 0

Final Vol: Lanes: 1691
 Signal=Split Rights=Include
 1 0 0 0 0

Vol Cnt Date: Cycle Time (sec): 32/3/2000 80
 Loss Time (sec): 9 0

Critical VC: 0.916

Avg Crit Del (sec/veh): 26.8

Avg Delay (sec/veh): 20.6

LOS: C

Lanes: Final Vol: 1691
2 0 0

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

Min. Green: 7 10 0 0 10 10 10 10

Volume Module: >> Count Date: 23 Mar 2000 <<
Base Vol: 371 1183
 Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 371 1183
 Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 371 1183
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 371 1183
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 371 1183
 PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
NLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 371 1183

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 0 0 0 0 0
Adjustment: 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.00 1.00 0.88
Lanes: 1.00 2.00 0.00 0.00 2.00 1.00 0.00 0.00 0.00 1.00 0.00 1.00 0.00 2.00
Final Sat.: 1750 3800 0 0 3800 1750 0 0 0 1800 0 0 3150

Capacity Analysis Module:
Vol/Sat: 0.21 0.31 0.00 0.00 0.44 0.44 0.00 0.00 0.00 0.12 0.00 0.16
Crit Moves: ****
Green Time: 18.5 57.4 0.0 0.0 38.9 38.9 0.0 0.0 0.0 13.6 0.0 13.6
Volume/Cap: 0.92 0.43 0.00 0.00 0.92 0.91 0.00 0.00 0.00 0.69 0.00 0.92
Delay/Veh: 40.8 3.6 0.0 0.0 20.1 24.1 0.0 0.0 0.0 28.2 0.0 39.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 40.8 3.6 0.0 0.0 20.1 24.1 0.0 0.0 0.0 28.2 0.0 39.5
DesignQueue: 13 16 0 0 44 20 0 0 0 8 0 19
Intersection #3021: 101/OAKLAND (N)

Final Vol: 582
Lanes: 1 0 2 0 0

Signal=Protect/Right=Overlap

Vol Crit Date: 3/23/2000
Cycle Time (sec): 80
Loss Time (sec): 9
Critical V/C: 0.658
Avg Crit Del (sec/veh): 15.9
Avg Delay (sec/veh): 13.4

Final Vol: 2 370
Lanes: 2 0 0 0

Signal=Split Rights=Include

Final Vol: 1 2 0 0 0
Lanes: 1 0 0 0 0

Approach:

Movement: L - T - R L - T - R L - T - R L - T - R
North Bound
Min. Green: 7 10 0 0 10 10 0 0 0 10 10 10

South Bound

Base Vol: 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 Bae: 280 891 0 0 1274 582 0 0 0 160 0 370
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 280 891 0 0 1274 582 0 0 0 160 0 370
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHP Volume: 280 891 0 0 1274 582 0 0 0 160 0 370
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 280 891 0 0 1274 582 0 0 0 160 0 370
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 280 891 0 0 1274 582 0 0 0 160 0 370

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 1.00 0.88
Lanes: 1.00 2.00 0.00 0.00 2.00 1.00 0.00 0.00 0.00 1.00 0.00 2.00
Final Sat.: 1750 3800 0 0 3800 1750 0 0 0 1800 0 3150

Capacity Analysis Module:

Vol/Sat: 0.16 0.23 0.00 0.00 0.34 0.33 0.00 0.00 0.00 0.09 0.00 0.12
Crit Moves: **** **** ****
Green Time: 18.5 57.4 0.0 0.0 38.8 38.8 0.0 0.0 0.0 13.6 0.0 13.6
Volume/Cap: 0.69 0.33 0.00 0.00 0.69 0.68 0.00 0.00 0.00 0.52 0.00 0.69
Delay/Veh: 24.8 3.2 0.0 0.0 12.9 13.7 0.0 0.0 0.0 24.3 0.0 26.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 24.8 3.2 0.0 0.0 12.9 13.7 0.0 0.0 0.0 24.3 0.0 26.3
DesignQueue: 10 12 0 0 32 14 0 0 0 6 0 14
### Intersection #3022: 101/OAKLAND (S)

**Final Vol:**
- **Lanes:** 643 1 12 0 819
- **Final Vol:** 0 715 0 715 735

**Signal-Split Rights=Overlap**
- **Vol Ctr Date:** 75 23/2000
- **Loss Time (sec):** 9
- **Critical VC:** 0.945
- **Avg Crit Del (sec/veh):** 36.5
- **Avg Delay (sec/veh):** 24.5

**LOS:** C

---

**Approach:**

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<td>10 7 10</td>
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**Volume Module:**
- **Count Date:** 23 Mar 2000
- **Base Vol:** 0 572 428 735 715 643 12 619 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:** 0 572 428 735 715 643 12 619 0 0 0
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **PasserByVol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 0 572 428 735 715 643 12 619 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:** 0 572 428 735 715 643 12 619 0 0 0
- **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 0 572 428 735 715 643 12 619 0 0 0
- **PCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Final Vol:** 0 572 428 735 715 643 12 619 0 0 0

**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 0.88 1.06 0.97 0.99 1.00 0.97 0.97 1.06 0.97
- **Lanes:** 0.00 2.00 1.00 2.00 2.00 0.00 1.96 0.04 1.00 0.00 0.00 0.00
- **Final Sat.:** 0 3800 1750 3150 3800 0 3485 65 1750 0 0 0

**Capacity Analysis Module:**
- **Vol/Sat:** 0.00 0.15 0.24 0.23 0.19 0.00 0.18 0.18 0.35 0.00 0.00 0.00
- **Crit Moves:** **** **** ****
- **Green Time:** 0.0 19.4 19.4 18.5 37.9 0.0 28.1 28.1 28.1 0.0 0.0 0.0
- **Volume/Cap:** 0.00 0.58 0.95 0.95 0.37 0.00 0.49 0.49 0.95 0.00 0.00 0.00
- **Delay/Veh:** 0.0 19.1 41.7 35.7 8.6 0.0 13.9 13.9 33.7 0.0 0.0 0.0
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 0.0 19.1 41.7 35.7 8.6 0.0 13.9 13.9 33.7 0.0 0.0 0.0
- **DesignQueue:** 0 18 14 24 15 0 18 0 18 0 0 0
### Intersection #3032: 280/BIRD (N)

#### Signal Settings:
- **Length:** 1608***
- **Cycle Time (sec):** 120
- **Loss Time (sec):** 9
- **Critical VC:** 0.722
- **Avg Crit Del (sec/veh):** 21.3
- **Avg Delay (sec/veh):** 18.8
- **Critical VC:** 0.722
- **LOS:** C

#### Movement Details:

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<td>Min. Green</td>
<td>7 10 0</td>
<td>0 0 10 10</td>
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<tr>
<td>Base Vol:</td>
<td>194 536 0 0 1606 609 0 0 0 253 8 294</td>
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<tr>
<td>Growth Adj:</td>
<td>1 0 0 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
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<td>194 536 0 0 1606 609 0 0 0 253 8 294</td>
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<td>0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>PCE Adj:</td>
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<td>Final Vol:</td>
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#### Capacity Analysis Module:
- **Vol/Sat:** 0.11 0.09 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0.10 0.16 0.11
- **Crt Moves:** ****
- **Green Time:** 18.4 84.2 0.0 0.0 65.8 65.8 0.0 0.0 0.0 26.8 26.8 26.8
- **Volume/Cap:** 0.72 0.13 0.00 0.00 0.72 0.72 0.00 0.00 0.00 0.45 0.72 0.50
- **Delay/Veh:** 42.9 4.5 0.0 0.0 16.0 16.0 0.0 0.0 0.0 30.8 35.1 31.2
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 42.9 4.5 0.0 0.0 16.0 16.0 0.0 0.0 0.0 30.8 35.1 31.2
- **DesignQueue:** 11 11 0 0 54 20 0 0 0 13 0 16
Intersection #3032: 280/BIRD (N)

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<td>Min. Green:</td>
<td>7 10 0 0</td>
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<td>0 0 10 10</td>
<td>0 10 0 10</td>
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<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
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<tr>
<td>Initial Bbe:</td>
<td>165 573 0 0 2112 1053 0 0 0 522 38 422</td>
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<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>PasserByVol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>Initial Fut:</td>
<td>165 573 0 0 2112 1053 0 0 0 522 38 422</td>
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<tr>
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<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Volume:</td>
<td>165 573 0 0 2112 1053 0 0 0 522 38 422</td>
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<tr>
<td>Reduct Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Reduced Vol:</td>
<td>165 573 0 0 2112 1053 0 0 0 522 38 422</td>
<td></td>
<td></td>
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<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>MLF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
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<td></td>
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<tr>
<td>Final Vol:</td>
<td>165 573 0 0 2112 1053 0 0 0 522 38 422</td>
<td></td>
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</tr>
</tbody>
</table>

Saturation Flow Module:
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.06 0.97 1.06 1.00 0.97 1.06 0.97 0.97 0.97 0.97 0.97
- Lanes: 1.00 3.00 0.00 0.00 2.00 1.00 0.00 0.00 0.00 1.52 0.07 1.41
- Final Sat: 1750 5700 0 0 3800 1800 0 0 0 2646 130 2474

Capacity Analysis Module:
- Vol/Sat: 0.09 0.10 0.00 0.00 0.56 0.59 0.00 0.00 0.00 0.20 0.29 0.17
- Crit Moves: **** **** ****
- Green Time: 10.8 77.7 0.0 0.0 66.9 66.9 0.0 0.0 0.0 33.3 33.3 33.3
- Volume/Cap: 1.05 0.16 0.00 0.00 1.00 1.05 0.00 0.00 0.00 0.71 1.05 0.61
- Delay/Veh: 114.1 6.3 0.0 0.0 31.8 48.0 0.0 0.0 0.0 30.8 70.2 29.2
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDelay/Veh: 114.1 6.3 0.0 0.0 31.8 48.0 0.0 0.0 0.0 30.8 70.2 29.2
- DesignQueue: 10 14 0 0 73 36 0 0 0 26 2 21
Intersection #3032: 280/BIRD (N)

Approach:

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<th>Movement</th>
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<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green:</td>
<td>7 10</td>
<td>0 0 10 10 0 0 10 10</td>
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<td></td>
</tr>
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</table>

Volume Module: >> Count Date: 14 Mar 2000 <<

| Base Vol: | 165 573 0 0 2112 1053 0 0 522 38 422 |
| Growth Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Initial Bse: | 165 573 0 0 2112 1053 0 0 522 38 422 |
| Added Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| PasserByVol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Initial Fut: | 165 573 0 0 2112 1053 0 0 522 38 422 |
| 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: | 165 573 0 0 2112 1053 0 0 522 38 422 |
| Reduct Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Reduced Vol: | 165 573 0 0 2112 1053 0 0 522 38 422 |
| FCE Adj: | 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| MLF Adj: | 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Final Vol: | 165 573 0 0 2112 1053 0 0 522 38 422 |

Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 0.97 0.97 |
| Lanes: | 1.00 3.00 0.00 0.00 3.00 1.00 0.00 0.00 0.00 1.52 0.07 1.41 |
| Final Sat: | 1750 5700 0 0 5700 1750 0 0 0 2646 130 2474 |

Capacity Analysis Module:

| Vol/Sat: | 0.09 0.10 0.00 0.00 0.37 0.00 0.00 0.00 0.00 0.20 0.29 0.17 |
| Crit Moves: | *** **** **** |
| Green Time: | 13.8 68.2 0.0 0.0 54.4 0.0 0.0 0.0 0.0 42.8 42.8 42.8 |
| Volume/Cap: | 0.82 0.18 0.00 0.00 0.82 0.00 0.00 0.00 0.00 0.55 0.82 0.48 |
| Delay/Veh: | 54.5 9.4 0.0 0.0 23.2 0.0 0.0 0.0 0.0 23.8 29.9 22.9 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 54.5 9.4 0.0 0.0 23.2 0.0 0.0 0.0 0.0 23.8 29.9 22.9 |
| DesignQueue: | 10 17 0 0 85 0 0 0 24 2 19 |
Intersection #3033: 280/BIRD (S)

Approach: North Bound  South Bound  East Bound  West Bound
Movement: L - T - R  L - T - R  L - T - R  L - T - R
----------- | ----------- | ----------- | ----------- | ----------- |
Min. Green: 0 10 10 7 10 0 10 10 10 0 0 0
----------- | ----------- | ----------- | ----------- | ----------- |
Volume Module: >> Count Date: 11 May 2000 <<
Base Vol: 0 421 239 693 1095 0 261 1 338 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 1.00 1.00 1.00
Initial Bse: 0 421 239 693 1095 0 261 1 338 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 421 239 693 1095 0 261 1 338 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 1.00 1.00 1.00
PHF Adj: 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: 0 421 239 693 1095 0 261 1 338 0 0 0
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 421 239 693 1095 0 261 1 338 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 1.00 1.00 1.00
MLF Adj: 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
Final Vol.: 0 421 239 693 1095 0 261 1 338 0 0 0
----------- | ----------- | ----------- | ----------- | ----------- |
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.00 0.97 0.97 1.06 0.97
Lanes: 0.00 3.00 1.00 1.00 3.00 0.00 1.99 0.01 1.00 0.00 0.00 0.00
Final Sat.: 0 5700 1750 1750 5700 0 3536 14 1750 0 0 0
----------- | ----------- | ----------- | ----------- | ----------- |
Capacity Analysis Module:
Vol/Sat: 0.00 0.07 0.14 0.40 0.19 0.00 0.07 0.07 0.19 0.00 0.00 0.00
Crit Moves: ***** ****
Green Time: 0.0 20.9 20.9 60.6 81.5 0.0 29.5 29.5 29.5 0.0 0.0 0.0
Volume/Cap: 0.00 0.42 0.78 0.78 0.28 0.00 0.30 0.30 0.78 0.00 0.00 0.00
Delay/Veh: 0.0 33.8 44.6 21.8 5.8 0.0 28.0 28.0 38.4 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Prog Adj Prtr.: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 0.0 33.8 44.6 21.8 5.8 0.0 28.0 28.0 38.4 0.0 0.0 0.0
Design Queue: 0 24 14 25 25 0 13 0 18 0 0 0
Intersection #3034: 28TH/11TH (N)

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 0 0 0 0 0 0 0 10 10

Volume Module: >> Count Date: 15 Mar 2000 <<

Base Vol: 425 1199 0 0 0 0 0 0 0 0 0 509 547

Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Base: 425 1199 0 0 0 0 0 0 0 0 0 509 547

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0

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

Initial Fut: 425 1199 0 0 0 0 0 0 0 0 0 509 547

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

PHF Adj: 1.00 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 1199 0 0 0 0 0 0 0 0 0 509 547

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

Reduced Vol: 425 1199 0 0 0 0 0 0 0 0 0 509 547

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

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

Final Vol.: 425 1199 0 0 0 0 0 0 0 0 0 509 547

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 1.00 1.00 0.97 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.04 0.98

Lanes: 0.81 2.19 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.60

Final Sat.: 1465 4133 0 0 0 0 0 0 0 0 2625 2821

Capacity Analysis Module:

Vol/Sat: 0.29 0.29 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.19 0.19

Crit Moves: ****

Green Time: 35.4 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 23.6 23.6

Volume/Cap: 0.53 0.53 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.53 0.53

Delay/Veh: 7.4 7.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.6 12.6

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

ProgAdjFCtr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 7.4 7.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.6 12.6

DesignQueue: 8 21 0 0 0 0 0 0 0 0 12 13
Intersection #3035: 280/11TH (S)

<table>
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<th>Lanes:</th>
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<th>Cycle Time (sec): 65</th>
<th>Signal=Split Rights=Include</th>
<th>Lanes:</th>
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LOS: B

Approach: North Bound South Bound East Bound West Bound

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<th>L - T - R</th>
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<td>Min. Green:</td>
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<td>0 10 10</td>
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<tr>
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<tr>
<td>Base Vol:</td>
<td>0 1075 660</td>
<td>0 0 0</td>
<td>620 715</td>
<td>0 0 0</td>
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<tr>
<td>Growth Adj:</td>
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<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Initial Base:</td>
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<td>620 715</td>
<td>0 0 0</td>
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<tr>
<td>Added Vol:</td>
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<td>0 0 0 0 0 0</td>
<td>0 0 0 0 0 0</td>
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<td>Passerby Vol:</td>
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<td>0 0 0 0 0 0</td>
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<td>Initial Fut:</td>
<td>0 1075 660</td>
<td>0 0 0</td>
<td>620 715</td>
<td>0 0 0</td>
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<td>User Adj:</td>
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<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Volume:</td>
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<td>Reduct Vol:</td>
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<td>620 715</td>
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<td>FCE Adj:</td>
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<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Final Vol:</td>
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<td>0 0 0</td>
<td>620 715</td>
<td>0 0 0</td>
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<td>1075</td>
<td>660***</td>
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Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.06 0.97 0.97 1.03 0.97 0.97 0.97 1.06 0.97 |
| Lanes: | 0.00 3.00 1.00 0.00 0.00 0.00 1.43 1.57 0.00 0.00 0.00 |
| Final Sat. | 0 5700 1750 | 0 0 0 2529 2917 | 0 0 0 |

Capacity Analysis Module:

| Vol/Sat: | 0.00 0.19 0.38 0.00 0.00 0.00 0.25 0.25 0.00 0.00 0.00 0.00 |
| Crit Moves: | **** |
| Green Time: | 0.0 35.8 35.8 0.0 0.0 0.0 23.2 23.2 0.0 0.0 0.0 0.0 |
| Volume/Cap: | 0.00 0.34 0.69 0.00 0.00 0.00 0.69 0.69 0.00 0.00 0.00 0.00 |
| Delay/Veh: | 0.0 6.2 9.5 0.0 0.0 0.0 14.2 14.2 0.0 0.0 0.0 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 6.2 9.5 0.0 0.0 0.0 14.2 14.2 0.0 0.0 0.0 0.0 |
| DesignQueue: | 0 18 12 0 0 0 15 18 0 0 0 0 |
Intersection #3036: 280/MCLAUGHLIN

Approach: North Bound South Bound East Bound West Bound
Movement: L T R L T R L T R L T R
Min. Green: 0 10 0 0 10 0 10 0 10 0 0 0
Volume Module: >> Count Date: 15 Mar 2000 <<
Base Vol: 0 892 0 0 669 0 341 0 779 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 Bne: 0 892 0 0 669 0 341 0 779 0 0 0
Varied Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 892 0 0 669 0 341 0 779 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: 0 892 0 0 669 0 341 0 779 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 892 0 0 669 0 341 0 779 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 892 0 0 669 0 341 0 779 0 0 0
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.88 0.97 1.06 0.97
Lanes: 0.00 2.00 0.00 0.00 2.00 0.00 1.00 0.00 2.00 0.00 0.00 0.00
Final Sat.: 0 3800 0 0 3800 0 1750 0 3150 0 0 0
Capacity Analysis Module:
Vol/Sat: 0.00 0.23 0.00 0.00 0.18 0.00 0.19 0.00 0.25 0.00 0.00 0.00
Crit Moves: ****
Green Time: 0.0 38.5 0.0 0.0 38.5 0.0 40.5 0.0 40.5 0.0 0.0 0.0
Volume/Cap: 0.00 0.52 0.00 0.00 0.39 0.00 0.41 0.00 0.52 0.00 0.00 0.00
Delay/Veh: 0.0 12.9 0.0 0.0 11.8 0.0 11.2 0.0 12.0 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 12.9 0.0 0.0 11.8 0.0 11.2 0.0 12.0 0.0 0.0 0.0
DesignQueue: 0 25 0 0 18 0 9 0 20 0 0 0
### Intersection #3036: 280/MCLAUGHLIN

![Traffic Flow Diagram](attachment:traffic_diagram.png)

#### Approach:

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
</tbody>
</table>

- **Min. Green:** 0 10 0 0 10 0 0 10 0 0
- **Volume Module:** >> Count Date: 15 Mar 2000 <<
- **Base Vol:** 0 1001 0 0 751 0 363 0 875 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:** 0 1001 0 0 751 0 363 0 875 0 0 0
- **Passed By Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 0 1001 0 0 751 0 363 0 875 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:** 0 1001 0 0 751 0 363 0 875 0 0 0
- **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 0 1001 0 0 751 0 363 0 875 0 0 0
- **PCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Final Vol:** 0 1001 0 0 751 0 363 0 875 0 0 0

#### Saturation Flow Module:
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.06 0.97 0.97 1.06 0.88 0.97 1.06 0.97
- **Lanes:** 0.00 2.00 0.00 0.00 2.00 0.00 1.00 0.00 2.00 0.00 0.00 0.00
- **Final Sat.:** 0 3800 0 0 3800 0 1750 0 3150 0 0 0

#### Capacity Analysis Module:
- **Vol/Sat:** 0.00 0.26 0.00 0.00 0.20 0.00 0.22 0.00 0.20 0.00 0.00 0.00
- **Crit Moves:** ****
- **Green Time:** 0.0 38.5 0.0 0.0 38.5 0.0 40.5 0.0 40.5 0.0 0.0 0.0
- **Volume/Cap:** 0.00 0.58 0.00 0.00 0.44 0.00 0.46 0.00 0.58 0.00 0.00 0.00
- **Delay/Veh:** 0.0 13.5 0.0 0.0 12.2 0.0 11.6 0.0 12.7 0.0 0.0 0.0
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdvDel/Veh:** 0.0 13.5 0.0 0.0 12.2 0.0 11.6 0.0 12.7 0.0 0.0 0.0
- **DesignQueue:** 0 28 0 0 20 0 10 0 23 0 0 0

Traffic 7.6.15 Copyright (c) 2003 Dowlings Associates, Inc. Childern to Hexagon Taem, San Jose
Intersection #3040: 280/10TH (N)

Approach: |
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<tr>
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<th>West Bound</th>
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Volume Module: |
|-------------|-------------|-------------|-------------|

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Reduced Vol: |
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PCE Adj: |
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Final Vol: |
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Saturation Flow Module: |
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Adjustment: |
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Lanes: |
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Crit Moves: |
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Green Time: |
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Volume/Cap: |
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Delay/Veh: |
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Delay Adj: |
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ProgAdj/Ptr: |
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AdjDel/Veh: |
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DesignQueue: |
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<td>0 37 10</td>
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<td>0 10 13</td>
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</table>
Intersection #3040: 280/10TH (N)

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 0 0 0 0 0 10 10 0 0 10 10 0

Volume Module: >> Count Date: 15 Mar 2000 <<

Base Vol: 0 0 0 0 2659 720 0 0 0 532 696 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bae: 0 0 0 0 2659 720 0 0 0 532 696 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 0 2659 720 0 0 0 532 696 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 0 0 2659 720 0 0 0 532 696 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 2659 720 0 0 0 532 696 0
FDE Adj: 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
Final Vol.: 0 0 0 0 2659 720 0 0 0 532 696 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 1.00 1.05 0.97
Lanes: 0.00 0.00 0.00 0.00 3.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Final Sat.: 0 0 0 0 5700 1750 0 0 0 1602 2096 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.47 0.41 0.00 0.00 0.00 0.33 0.33 0.00
Crit Moves: **** ****
Volume/Cap: 0.00 0.00 0.00 0.00 0.00 0.89 0.78 0.00 0.00 0.00 0.88 0.88 0.00
Delay/Veh: 0.0 0.0 0.0 0.0 12.6 12.2 0.0 0.0 0.0 19.2 19.2 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fct: 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
AdjDel/Veh: 0.0 0.0 0.0 0.0 12.6 12.2 0.0 0.0 0.0 19.2 19.2 0.0
DesignQueue: 0 0 0 0 51 14 0 0 0 13 17 0
Intersection #3041: 280/10TH (S)

<table>
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<th>Lanes:</th>
<th>Signal=Split/Rights=Include</th>
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Vol Ctrl Date: 3/15/2000
Cycle Time (sec): 65
Loss Time (sec): 6
Critical V/C: 0.786
Avg Crit Del (sec/veh): 12.3
Avg Delay (sec/veh): 12.3

LOS: B

Approach:

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<tr>
<th>Movement:</th>
<th>North Bound</th>
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<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
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Min. Green: 0 0 0 10 10 0 10 10 0 0 0 0

Volume Module: >> Count Date: 15 Mar 2000 <<
Base Vol: 0 0 620 1656 0 0 584 551 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: 0 0 620 1656 0 0 584 551 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 620 1656 0 0 584 551 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: 0 0 620 1656 0 0 584 551 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 620 1656 0 0 584 551 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
Final Vol.: 0 0 620 1656 0 0 584 551 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.05 0.97 1.07 1.05 1.00 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.85 2.15 0.00 0.00 1.00 1.00 0.00 0.00 0.00
Final Sat.: 0 0 1525 4073 0 0 1902 1795 0 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.41 0.41 0.00 0.00 0.31 0.31 0.00 0.00 0.00
Crt Moves: ****
Green Time: 0.0 0.0 0.0 33.6 33.6 0.0 0.0 25.4 25.4 0.0 0.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.79 0.79 0.00 0.00 0.79 0.79 0.00 0.00 0.00
Delay/Veh: 0.0 0.0 0.0 10.8 10.8 0.0 0.0 15.3 15.3 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 10.8 10.8 0.0 0.0 15.3 15.3 0.0 0.0 0.0
DesignQueue: 0 0 0 12 32 0 0 14 13 0 0 0
## Intersection #3052: 880/COLEMAN (N)

### Traffic Flow

**Final Vol:**

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**Vol Ctr Date:** 5/23/2000

**Cycle Time (sec):** 115

**Loss Time (sec):** 9

**Critical V/C:** 0.672

**Avg Crit Del (sec/veh):** 10.8

**Avg Delay (sec/veh):** 9.7

**Lanes:** Final Vol

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**Lanes:** Final Vol

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**Approach:**

**Movement:**

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<th>East Bound</th>
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<td>10 10 10 1</td>
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**Volume Module:**

- **Base Vol:** 56 869 245
- **Growth Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Initial Base:** 56 869 245
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0 0
- **ATI:** 0 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 56 869 245
- **User Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **PHF Adj:** 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:** 56 869 245
- **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 56 869 245
- **PCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Final Vol:** 56 869 245

**Saturation Flow Module:**

- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.07 1.04 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97
- **Lanes:** 1.00 3.00 1.00 0.00 2.98 0.02 1.00 0.00 1.00 1.00 1.00 1.00
- **Final Sat.:** 1750 5700 1750 0 5570 30 1750 0 1750 1750 1900 1750

**Capacity Analysis Module:**

- **Vol/Sat:** 0.03 0.15 0.14 0.00 0.47 0.47 0.01 0.00 0.02 0.06 0.01 0.11
- **Crit Moves:** **** ****
- **Green Time:** 7.0 86.9 86.9 0.0 79.9 79.9 19.1 0.0 26.1 19.1 19.1 19.1
- **Volume/Cap:** 0.53 0.20 0.19 0.00 0.68 0.68 0.06 0.00 0.11 0.39 0.04 0.68
- **Delay/Veh:** 43.5 3.1 3.0 0.0 8.1 8.1 30.7 0.0 26.8 33.0 30.6 38.7
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 43.5 3.1 3.0 0.0 8.1 8.1 30.7 0.0 26.8 33.0 30.6 38.7
- **DesignQueue:** 3 14 4 0 59 0 1 0 2 6 1 11
**Intersection #3052: 880/COLEMAN (N)**

### Traffic Flow

- **Final Vol:**
  - **Lanes:** 0 0 0 0
  - **Vol/Crit Date:** Cycle Time (sec): 5032000 115
  - **Signal=Crit/Right=Overlap**
  - **Loss Time (sec):** 9
  - **Critical V/C:** 0.516
  - **Avg Crit Del (sec/veh):** 9.3
  - **Avg Delay (sec/veh):** 8.7
  - **LOS:** B

- **Approach:**
  - **North Bound**
  - **South Bound**
  - **East Bound**
  - **West Bound**

### Movement
- **Min. Green:** 0 10 0 0 10 0 0 10
- **Volume Module:** >> Count Date: 23 May 2000 <<
- **Base Vol:** 957 0 0 957 0 0 0 957
- **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 Fut:** 957 0 0 957 0 0 0 957
- **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:** 957 0 0 957 0 0 0 957
- **Reduct Vol:** 957 0 0 957 0 0 0 957
- **Reduced Vol:** 957 0 0 957 0 0 0 957
- **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
- **Final Vol:** 957 0 0 957 0 0 0 957

### Saturation Flow Module:
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97
- **Lanes:** 3 3 3 3 3 3 3 3 3 3 3
- **Final Sat:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

### Capacity Analysis Module:
- **Vol/Sat:** 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04
- **Crit Moves:** 0 0 0 0 0 0 0 0 0 0 0
- **Green Time:** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- **Volume/Cap:** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- **Delay/Veh:** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- **Delay Adj:** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- **ProgAdj/Fct:** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- **AdjDel/Veh:** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- **DesignQueue:** 0 0 0 0 0 0 0 0 0 0 0

---

Traffic 7.6.0115  Copyright (c) 2003 Dowling Associates, Inc. Licensed to Hexagon Trans. San Jose
### Intersection #3054: 880/FIRST (N)

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>Lanes:</th>
<th>Signal/Split Rights=Include</th>
<th>Vol Crit Date:</th>
<th>Cycle Time (sec):</th>
<th>Signal/Split Rights=Include</th>
<th>Lanes:</th>
<th>Final Vol:</th>
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<tr>
<td>0</td>
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<td>3/19/2000</td>
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<td>Loss Time (sec):</td>
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<td>Critical V/C: 0.492</td>
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<td>Avg Crit Del (sec/veh):</td>
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<td>0</td>
<td>142***</td>
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<td>Avg Delay (sec/veh):</td>
<td>8.1</td>
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<td>0</td>
<td>142***</td>
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**Lanes:**
- Final Vol: 0 0 0 1 0

**Approach:**
- North Bound
- South Bound
- East Bound
- West Bound

#### Movement:

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green</td>
<td>0 10 10 0 0 0 0 0 0 0</td>
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<tr>
<td>Base Vol:</td>
<td>0 509 293 0 1822 0 0 0 0 139 0 142</td>
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<tr>
<td>Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Initial Bas: 0 509 293 0 1822 0 0 0 0 139 0 142</td>
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<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>ATI:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>Initial Fut: 0 509 293 0 1822 0 0 0 0 139 0 142</td>
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<tr>
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<td>PHF Volume: 0 509 0 0 1822 0 0 0 0 139 0 142</td>
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<tr>
<td>Reduct Vol:</td>
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<tr>
<td>Reduced Vol:</td>
<td>0 509 0 0 1822 0 0 0 0 139 0 142</td>
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<tr>
<td>Final Vol: 0 509 0 0 1822 0 0 0 0 139 0 142</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 |
| Lanes: | 0.00 2.00 1.00 0.00 3.00 0.00 0.00 0.00 0.00 1.33 0.00 0.67 |
| Final Sat. | 0 3800 1750 0 5700 0 0 0 0 2336 0 1197 |

#### Capacity Analysis Module:

| Vol/Sat: | 0.00 0.13 0.00 0.00 0.32 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Crit Moves: | **** |
| Green Time: | 0.0 66.4 0.0 0.0 66.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| Volume/Cap: | 0.00 0.20 0.00 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Delay/Veh: | 0.0 5.0 0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 5.0 0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| DesignQueue: | 0 10 0 0 37 0 0 0 0 0 0 0 |
Intersection #3057: ALAMEDA/HEDDING

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<tr>
<th>Final Vol:</th>
<th>Signal=Protect Rights=Overlap</th>
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<tbody>
<tr>
<td>Lanes:</td>
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<td>1 0 2 0 1</td>
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<table>
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<th>Signal=Protect Rights=Exclude</th>
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<tbody>
<tr>
<td>Vol Ctrl Date:</td>
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<tr>
<td>Cycle Time (sec):</td>
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<tr>
<td>Loss Time (sec):</td>
</tr>
<tr>
<td>Critical V/C:</td>
</tr>
<tr>
<td>Avg Crit Del (sec/Veh):</td>
</tr>
<tr>
<td>Avg Delay (sec/Veh):</td>
</tr>
<tr>
<td>Final Vol:</td>
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<tr>
<td>Lanes:</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
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</table>

| Final Vol: | 91 43 139 76 | 88 173 63 | 114 336 162 |
| Lanes:     | 1 0 2 0 1    | 0         | 0           |

**Approach:**

<table>
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<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<td>Min. Green:</td>
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<td>Base Vol:</td>
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<tr>
<td>Growth Adj:</td>
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<td>Initial Base:</td>
<td>91 931 43 139 1062 76 88 173 63 114 336 162</td>
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<td>Added Vol:</td>
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<td>AT:</td>
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<tr>
<td>Initial Fut:</td>
<td>91 931 43 139 1062 76 88 173 63 114 336 162</td>
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<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Volume:</td>
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<tr>
<td>Reduct Vol:</td>
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<td></td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>91 931 43 139 1062 76 88 173 63 114 336 162</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
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<td>MLP Adj:</td>
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<tr>
<td>Final Vol:</td>
<td>91 931 43 139 1062 76 88 173 63 114 336 162</td>
<td></td>
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</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 0.97 |
| Lanes: | 1.00 2.00 1.00 1.00 2.00 1.00 1.00 1.45 0.55 1.00 2.00 1.00 |
| Final Sat.: | 1750 3800 1750 1750 3800 1750 1750 2712 987 1750 3800 1750 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.05 0.24 0.02 0.08 0.28 0.04 0.05 0.06 0.06 0.07 0.09 0.09 |
| Crit Moves: | **** **** **** **** |
| Green Time: | 13.6 65.2 82.2 21.2 72.8 79.8 7.0 16.6 16.6 17.0 26.6 47.8 |
| Volume/Cap: | 0.51 0.50 0.04 0.50 0.51 0.07 0.95 0.51 0.51 0.51 0.44 0.26 |
| Delay/Veh: | 44.5 17.2 7.3 39.6 14.2 8.2 102.7 41.7 41.7 42.3 35.3 22.6 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Cfr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 44.5 17.2 7.3 39.6 14.2 8.2 102.7 41.7 41.7 42.3 35.3 22.6 |
| DesignQueue: | 6 37 1 9 38 2 6 11 4 7 20 8 |
### Intersection #3059: ALAMEDA/RACE

**Final Vol. Lanes:**
- Lanes: 3 0 0 1 0 0
- Signal=Split/Lights=Overlap

**Vol Ctrl Date:**
- Cycle Time (sec): 132
- Loss Time (sec): 12
- Critical V/C: 0.686
- Avg Crit Del (sec/veh): 33.3
- Avg Delay (sec/veh): 22.1
- LOS: C

**Lanes:**
- Final Vol: 1 1 1 0 0 0

**Approach:**
- North Bound
- South Bound
- East Bound
- West Bound

**Volume Module:**
- >> Count Date: 4 Apr 2000 <<
- Base Vol:
- Growth Adj:
- Initial Bse:
- Added Vol:
- ATI:
- Initial Fut:
- User Adj:
- PHF Volume:
- Reduct Vol:
- Reduced Vol:
- PCE Adj:
- MLF Adj:
- Final Vol:

**Saturation Flow Module:**
- Sat/Lane:
- Adjustment:
- Lanes:
- Final Sat.:

**Capacity Analysis Module:**
- Vol/Sat:
- Crit Moves:
- Green Time:
- Volume/Cap:
- Delay/Veh:
- Delay Adj:
- PrgAdjFctr:
- AdjDel/Veh:
- DesignQueue:

---

**Legend:**
- L - North Bound
- T - South Bound
- R - East Bound
- W - West Bound

---

**Note:**
- The image contains a table and a diagram related to traffic flow and capacity analysis for an intersection.
**Intersection #3059: ALAMEDA/RACE**

**Approach:**

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<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green:</td>
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**Volume Module:**

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<td>Base Vol:</td>
<td>1 329 121 4 1 4</td>
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<tr>
<td>Growth Adj:</td>
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<td>Added Vol:</td>
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<tr>
<td>Passer By Vol:</td>
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<td>Initial Fitt:</td>
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<tr>
<td>User Adj:</td>
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<td>PHF Adj:</td>
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<td>Reduct Vol:</td>
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<tr>
<td>Final Vol:</td>
<td>1 329 121 4 1 4</td>
</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustments: | 1.00 1.00 1.00 1.00 1.00 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 |
| Lanes: | 0.01 1.46 0.53 0.80 0.20 1.00 0.00 2.00 1.00 1.00 2.00 0.00 |
| Final Sat: | 8 2626 966 1440 360 1750 0 3800 1750 1750 3800 0 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.13 0.13 0.13 0.00 0.00 0.00 0.00 0.30 0.45 0.17 0.17 0.00 |
| Crit Moves: | 18.4 18.4 18.4 10.0 10.0 10.0 0.0 66.7 66.7 24.9 91.6 0.0 |
| Volume/Cap: | 0.90 0.90 0.90 0.94 0.94 0.03 0.00 0.58 0.90 0.90 0.25 0.00 |
| Delay/Veh: | 55.9 55.9 55.9 43.0 43.0 42.9 0.0 17.8 31.1 58.1 5.7 0.0 |
| Prog Adj Fctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Adj Del/Veh: | 55.9 55.9 55.9 43.0 43.0 42.9 0.0 17.8 31.1 58.1 5.7 0.0 |
| Design Queue: | 0 21 8 0 0 0 0 44 32 18 15 0 |
### Intersection #3060: ALMA-FIRST

#### Final Vol:
<table>
<thead>
<tr>
<th>Lanes:</th>
<th>235</th>
<th>1735***</th>
<th>120</th>
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</thead>
<tbody>
<tr>
<td>Signal=ProtectRights=Overlap</td>
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</tbody>
</table>

#### Signal=Split Rights=Include

<table>
<thead>
<tr>
<th>Lanes:</th>
<th>151</th>
<th>1</th>
<th>338</th>
<th>0</th>
<th>297***</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vol Cnt Date:</td>
<td>2/18/2000</td>
<td></td>
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</tr>
<tr>
<td>Cycle Time (sec):</td>
<td>130</td>
<td></td>
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<tr>
<td>Loss Time (sec):</td>
<td>12</td>
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<tr>
<td>Critical V/C</td>
<td></td>
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<td></td>
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<tr>
<td>Avg Crit Del (sec/veh):</td>
<td>35.2</td>
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<tr>
<td>Avg Delay (sec/veh):</td>
<td>31.8</td>
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<tr>
<td>Final Vol:</td>
<td>0</td>
<td>42***</td>
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#### LOS: D

#### Approach:

<table>
<thead>
<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>------------</td>
<td>------------</td>
<td>------------</td>
<td>------------</td>
</tr>
<tr>
<td>Min. Green:</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>10 10 10</td>
<td>10 10 10</td>
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#### Volume Module: >> Count Date: 18 Feb 2000 <<

<table>
<thead>
<tr>
<th>Base Vol:</th>
<th>185 783</th>
<th>69 120 1736</th>
<th>235 151 338 297</th>
<th>204 463 42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>PHF Volume:</td>
<td>185 783</td>
<td>69 120 1736</td>
<td>235 151 338 297</td>
<td>204 463 42</td>
</tr>
<tr>
<td>Reduct Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>185 783</td>
<td>69 120 1736</td>
<td>235 151 338 297</td>
<td>204 463 42</td>
</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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</tr>
<tr>
<td>MLF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
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<tr>
<td>Final Vol:</td>
<td>185 783</td>
<td>69 120 1736</td>
<td>235 151 338 297</td>
<td>204 463 42</td>
</tr>
</tbody>
</table>

#### Saturation Flow Module:

<table>
<thead>
<tr>
<th>Sat/Lane:</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustment:</td>
<td>0.97 1.06 0.97 1.06 0.97 1.05 1.00 0.97 1.03 1.00</td>
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<td></td>
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</tr>
<tr>
<td>Lanes:</td>
<td>1.00 3.00 1.00 1.00 3.00 1.00 1.00 1.04 0.96 1.00 1.83 0.17</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Final Sat.:</td>
<td>1750 5700</td>
<td>1750 5700</td>
<td>1750 1968</td>
<td>1729</td>
<td>1750 3392</td>
<td>308</td>
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#### Capacity Analysis Module:

<table>
<thead>
<tr>
<th>Vol/Sat:</th>
<th>0.11 0.14</th>
<th>0.04 0.07 0.30 0.13</th>
<th>0.09 0.17 0.17</th>
<th>0.12 0.14 0.14</th>
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</thead>
<tbody>
<tr>
<td>Crit Moves:</td>
<td>*****</td>
<td>*****</td>
<td>*****</td>
<td></td>
</tr>
<tr>
<td>Green Time:</td>
<td>17.4 44.9 67.4 22.4 50.0 78.2 28.2 28.2 28.2 22.4 22.4 22.4</td>
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<td></td>
</tr>
<tr>
<td>Volume/Cap:</td>
<td>0.79 0.40 0.08 0.40 0.79 0.22 0.40 0.79 0.79 0.68 0.79 0.79</td>
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</tr>
<tr>
<td>Delay/Veh:</td>
<td>52.7 24.6 11.9 36.8 28.3 9.1 33.2 39.7 39.7 39.5 42.6 42.6</td>
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<td></td>
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</tr>
<tr>
<td>Delay Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prog Adj/Fltr:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Adj Del/Veh:</td>
<td>52.7 24.6 11.9 36.8 28.3 9.1 33.2 39.7 39.7 39.5 42.6 42.6</td>
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<tr>
<td>Design Queue:</td>
<td>12 38</td>
<td>2 7 84 7 9 20 18 13 29 3</td>
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</table>

### Traffic 7.8.0115

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**Intersection #3061: ALMADE/SAN CARLOS**

### Traffic Flow

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
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**Approach:**

<table>
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<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Min. Green:**

- 7
- 10
- 10
- 7
- 10
- 10
- 7
- 10
- 10

**Volume Module:**

- Base Vol: 57 181 100 149 1349 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 Bae: 57 181 100 149 1349 164
- Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- ATC: 0 0 0 0 0 0 0 0 0 0 0 0
- Initial Fct: 57 181 100 149 1349 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: 57 181 100 149 1349 164
- Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- Reduced Vol: 57 181 100 149 1349 164
- PEZ Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- MFL Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Final Vol: 57 181 100 149 1349 164

**Saturation Flow Module:**

<table>
<thead>
<tr>
<th>Sat/Lane</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
<th>1800 1800</th>
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</thead>
<tbody>
<tr>
<td>Adjustment</td>
<td>0.97 1.06</td>
<td>0.97 1.04</td>
<td>1.00 0.97</td>
<td>1.06 0.97</td>
<td>1.03 1.00</td>
<td>1.00 0.97</td>
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<tr>
<td>Lanes:</td>
<td>1.00 3.00</td>
<td>1.00 2.66</td>
<td>0.34 1.00</td>
<td>2.00 1.00</td>
<td>1.00 1.73</td>
<td>0.27 1.00</td>
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<tr>
<td>Final Sat.:</td>
<td>1750 5700</td>
<td>1750 1750</td>
<td>1750 4992</td>
<td>607 1750</td>
<td>3800 1750</td>
<td>1750 3222</td>
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</table>

**Capacity Analysis Module:**

<table>
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<tr>
<th>Vol/Sat:</th>
<th>0.03 0.03</th>
<th>0.06 0.09</th>
<th>0.27 0.27</th>
<th>0.06 0.14</th>
<th>0.10 0.12</th>
<th>0.17 0.17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crit Moves:</td>
<td>****</td>
<td>****</td>
<td>****</td>
<td>****</td>
<td>****</td>
<td>****</td>
</tr>
<tr>
<td>Green Time:</td>
<td>7.0 10.0</td>
<td>34.3</td>
<td>50.4 53.4</td>
<td>53.4</td>
<td>7.0</td>
<td>28.3</td>
</tr>
<tr>
<td>Volume/Cap:</td>
<td>0.58 0.40</td>
<td>0.21 0.21</td>
<td>0.63 0.63</td>
<td>0.99 0.63</td>
<td>0.34 0.63</td>
<td>0.63 0.63</td>
</tr>
<tr>
<td>Delay/Veh:</td>
<td>49.7 41.8</td>
<td>26.6</td>
<td>18.5 21.7</td>
<td>21.7</td>
<td>111.2</td>
<td>34.3</td>
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<tr>
<td>Delay Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>ProgAdjFctr:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>AdjDel/Veh:</td>
<td>49.7 41.8</td>
<td>26.6</td>
<td>18.5 21.7</td>
<td>21.7</td>
<td>111.2</td>
<td>34.3</td>
</tr>
<tr>
<td>DesignQueue:</td>
<td>4 12</td>
<td>5</td>
<td>6</td>
<td>58 7</td>
<td>6</td>
<td>30 9</td>
</tr>
</tbody>
</table>
Intersection #3064: ALUM ROCK/KING

Final Vol: Lanes: 125 1 83 1 0 2 2 0 1

Vol Crit Date: Cycle Time (sec): 5/10/2000 110
Loss Time (sec): 12
Critical WC: 0.631
Avg Crit Del (sec/veh): 28.0
Avg Delay (sec/veh): 25.2

Lanes: Final Vol: 1 93
0 2 656
0 0
1 183***

Final Vol: Lanes: 248 1

Lanes: Final Vol: 15*** 221 146

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

Min. Green: 7 10 10 7 10 10 7 10 10

Volume Module: >> Count Date: 10 May 2000 <<
Base Vol: 153 221 146 124 569 83 125 836 248 183 656 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 Bae: 153 221 146 124 569 83 125 836 248 183 656 93
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATT: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 153 221 146 124 569 83 125 836 248 183 656 93
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 153 221 146 124 569 83 125 836 248 183 656 93
Reduce Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 153 221 146 124 569 83 125 836 248 183 656 93
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 153 221 146 124 569 83 125 836 248 183 656 93

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.05 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 1.00 1.18 0.82 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1750 2227 1471 1750 3800 1750 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.09 0.10 0.10 0.07 0.15 0.05 0.07 0.22 0.14 0.10 0.17 0.05
Crit Moves: **** **** ****
Green Time: 15.3 24.1 24.1 17.2 26.1 42.7 16.6 38.4 53.6 18.2 40.1 57.3
Volume/Cap: 0.63 0.45 0.45 0.45 0.63 0.12 0.47 0.63 0.29 0.63 0.47 0.10
Delay/Veh: 37.6 28.6 28.6 32.8 29.6 16.4 33.5 23.4 12.8 35.5 20.6 10.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 37.6 28.6 28.6 32.8 29.6 16.4 33.5 23.4 12.8 35.5 20.6 10.1
DesignQueue: 8 11 7 7 28 3 7 35 8 10 27 3
Intersection #3064: ALUM ROCKING

Final Vol: 88 600*** 131
Lanes: 1 2 1

Vol Ctrl Date: 5/10/2000
Loss Time (sec): 12

Critical Vic: 0.665
Avg Crit Del (sec/veh): 28.6

Avg Delay (sec/veh): 25.6

Lanes: 1 98
Final Vol: 2 692

Approach:

North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 7 10 10 7 10 10 7 10 10

Volume Module: >> Count Date: 10 May 2000 <<
Base Vol: 161 233 154 131 600 88 132 882 262 193 692 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: 161 233 154 131 600 88 132 882 262 193 692 98
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 161 233 154 131 600 88 132 882 262 193 692 98
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 161 233 154 131 600 88 132 882 262 193 692 98
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 161 233 154 131 600 88 132 882 262 193 692 98
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 161 233 154 131 600 88 132 882 262 193 692 98

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.05 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 1.00 1.18 0.82 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1750 2227 1472 1750 3800 1750 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.09 0.10 0.10 0.07 0.16 0.05 0.08 0.23 0.15 0.11 0.18 0.06
Crt Moves: **** ****
Green Time: 15.2 24.1 24.1 17.2 26.1 42.7 16.6 38.4 53.6 18.2 40.1 57.3
Volume/Cap: 0.66 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48
Delay/Veh: 38.8 28.8 28.8 33.2 30.2 16.5 33.9 24.0 13.0 36.6 20.9 10.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 38.8 28.8 28.8 33.2 30.2 16.5 33.9 24.0 13.0 36.6 20.9 10.2
DesignQueue: 9 11 8 7 29 3 7 37 9 10 28 3

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**Intersection #3066: AUTUMN/SANTA CLARA**

**Approach:**
- **North Bound:**
  - Movement: L - T - R
  - Volume: 259
  - Green Time: 10
  - PHF Volume: 259

- **South Bound:**
  - Movement: L - T - R
  - Volume: 164
  - Green Time: 10
  - PHF Volume: 259

- **East Bound:**
  - Movement: L - T - R
  - Volume: 164
  - Green Time: 10
  - PHF Volume: 259

- **West Bound:**
  - Movement: L - T - R
  - Volume: 164
  - Green Time: 10
  - PHF Volume: 259

**Saturation Flow Module:**
- Sat/Lane: 1800
- Adjustment: 0.97
- Lanes: 1.00
- Final Sat.: 1750

**Capacity Analysis Module:**
- Vol/Sat: 0.15
- Crit Moves: ****
- Let: 23.0
- Volume/Cap: 0.71
- Delay/Veh: 34.9
- Delay Adj: 1.00
- ProgAdjCfr: 1.00
- DesignQueue: 13

**Level Of Service Computation Report:**
1985 HCM Operations (Future Volume Alternative)
Future IPM
Intersection #3066: AUTUMN/SANTA CLARA

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

Min. Green:  7  10  10  7  10  10  7  10  10
Volume Module:  >> Count Date:  22 Feb 2000 <<
Base Vol:  162  515  164  237  706  471  140  1117  0  891  594  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
Initial Bse:  162  515  164  237  706  471  140  1117  0  891  594  51
Added Vol:  0  0  0  0  0  0  0  0  0  0  0  0
PasserByVol:  0  0  0  0  0  0  0  0  0  0  0  0
Initial Fut:  162  515  164  237  706  471  140  1117  0  891  594  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
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:  162  515  164  237  706  471  140  1117  0  891  594  51
Reduct Vol:  0  0  0  0  0  0  0  0  0  0  0  0
Reduced Vol:  162  515  164  237  706  471  140  1117  0  891  594  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
NFL Adj:  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00
Final Vol:  162  515  164  237  706  471  140  1117  0  891  594  51

Saturation Flow Module:
Sat/Lane:  1800  1800  1800  1800  1800  1800  1800  1800  1800  1800  1800  1800
Adjustment:  0.97  1.06  0.97  1.06  0.97  1.06  0.97  0.97  1.06  0.97  0.97  1.06
Lanes:  1.00  2.00  1.00  1.00  2.00  1.00  1.00  2.00  1.00  2.00  2.00  1.00
Final Sat.:  1750  3800  1750  1750  3800  1750  1750  3800  1750  3150  3800  1750

Capacity Analysis Module:
Vol/Sat:  0.09  0.14  0.09  0.14  0.19  0.27  0.08  0.29  0.00  0.28  0.16  0.03
Crit Moves:  ****  ****  ****  ****
Green Time:  10.3  15.7  48.4  15.7  21.0  43.6  22.6  34.0  0.0  32.7  44.1  59.8
Volume/Cap:  0.99  0.95  0.21  0.95  0.97  0.68  0.39  0.95  0.00  0.95  0.39  0.05
Delay/Veh:  88.7  55.3  14.5  67.4  53.3  22.7  29.1  40.1  0.0  42.6  17.9  9.0
Delay Adj:  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00
ProgAdjFctr:  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00
AdjDel/Veh:  88.7  55.3  14.5  67.4  53.3  22.7  29.1  40.1  0.0  42.6  17.9  9.0
DesignQueue:  9  28  6  13  37  19  7  51  0  41  23  1

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### Intersection #3077: BIRD/SAN CARLOS

#### Signal=Protect/Right=Overlap

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#### Movement

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<th>West Bound</th>
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<td>L - T - R</td>
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<td>110 1357 119</td>
<td>86 794 308</td>
<td>353 568 31</td>
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<td>1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00 1.00</td>
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<td>Initial Bat:</td>
<td>215 307 102</td>
<td>110 1357 119</td>
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<td>353 568 31</td>
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<td>Added Vol:</td>
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<td>ATI:</td>
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#### Initial Fut:

| Initial Fut: | 215 307 102 | 110 1357 119 | 86 794 308 | 353 568 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 1.00 1.00 1.00 |
| PHF Adj: | 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: | 215 307 102 | 110 1357 119 | 86 794 308 | 353 568 31 |
| Reduct Vol: | 0           | 0            | 0          | 0            |
| Reduced Vol: | 215 307 102 | 110 1357 119 | 86 794 308 | 353 568 31 |
| PCF Adj: | 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 |
| MLP Adj: | 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 |
| Final Vol: | 215 307 102 | 110 1357 119 | 86 794 308 | 353 568 31 |

#### Saturation Flow Module

| Sat/Lane: | 1800 1800 1800 1800 1800 | 1800 1800 1800 1800 1800 | 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 0.97 1.06 | 0.97 1.06 0.97 0.97 1.06 | 0.97 1.06 0.97 0.97 1.06 |
| Lanes: | 1.00 3.00 1.00 1.00 3.00 | 1.00 2.00 1.00 1.00 2.00 | 1.00 2.00 1.00 1.00 2.00 |
| Final Sat.: | 1750 5700 1750 1750 5700 | 1750 5700 1750 1750 5700 | 1750 5700 1750 1750 5700 |

#### Capacity Analysis Module

| Vol/Sat: | 0.12 0.05 0.06 0.06 0.24 | 0.07 0.05 0.21 | 0.18 0.20 0.15 0.02 |
| Crit Moves: | ***** | ***** | ***** |
| Green Time: | 17.2 10.0 38.2 | 40.5 33.3 40.3 | 7.0 29.2 46.4 | 28.2 50.5 91.0 |
| Volume/Cap: | 0.86 0.65 0.18 | 0.19 0.86 0.20 | 0.84 0.86 0.45 | 0.86 0.36 0.02 |
| Delay/Veh: | 54.8 42.6 22.5 | 21.4 34.7 21.6 | 71.8 38.7 21.1 | 44.7 18.1 2.7 |
| Delay Adj: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| AdjDel/Veh: | 54.8 42.6 22.5 | 21.4 34.7 21.6 | 71.8 38.7 21.1 | 44.7 18.1 2.7 |
| Design Queue: | 13 19 5 | 5 70 5 | 5 42 13 19 23 1 |
Intersection #3077: BIRD/SAN CARLOS

Final Vol: Lanes: 160 1928*** 125

Signal=Protect/Right=Overlap

Vol Crit Date: Cycle Time (sec): 3/12000 120

Loss Time (sec): 12

Critical Vic: 1.091

Avg Crit Del (sec/veh): 87.9

Avg Delay (sec/veh): 64.2

FINAL

Lanes: Final Vol: 1 42

Sign=Protecr/Right=Overlap

Loss Time (sec): 12

Critical Vic: 1.091

Avg Crit Del (sec/veh): 87.9

Avg Delay (sec/veh): 64.2

LOS: F

Approach: Northbound  Southbound  Eastbound  Westbound

Movement:  L - T - R  L - T - R  L - T - R  L - T - R

Min. Green: 7 10 10 7 10 10 7 10 10

Volume Module: >> Count Date: 1 Mar 2000 <<

Base Vol: 236 513 122 126 1926 160 116 894 352 480 736 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: 236 513 122 126 1926 160 116 894 352 480 736 42

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

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

Initial Fut: 236 513 122 126 1926 160 116 894 352 480 736 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: 236 513 122 126 1926 160 116 894 352 480 736 42

Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 236 513 122 126 1926 160 116 894 352 480 736 42

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

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

Final Vol: 236 513 122 126 1926 160 116 894 352 480 736 42

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97

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.: 1750 5700 1750 1750 5700 1750 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:

Vol/Sat: 0.13 0.09 0.07 0.07 0.34 0.09 0.07 0.24 0.20 0.27 0.19 0.02

Critt Move: **** **** **** ****

Green Time: 14.8 28.9 59.0 23.1 37.2 51.4 14.3 25.9 40.7 30.2 41.7 64.8

Volume/Cap: 1.09 0.37 0.24 0.37 1.09 0.21 0.56 1.09 0.59 1.09 0.56 0.04

Delay/Veh: 120.9 29.0 12.7 32.4 79.5 16.4 40.4 91.0 26.1 99.3 24.5 9.9

Design Queue: 14 27 4 7 97 6 7 50 16 26 34 1
**Intersection #3097: FIRST KEYES**

### Signal Protocols

**Final Vol:**
- Lanes: 26 1082 150

**Vol Crit Date:** Cycle Time (sec): 130
- Loss Time (sec): 12
- Critical VC: 0.560
- Avg Crit Del (sec/veh): 23.1
- Avg Delay (sec/veh): 24.1
- LOS: C

**Approach:**
- **North Bound:**
  - L - T - R
  - Min. Green: 7 10 10
  - Volume Module: >> Count Date: 21 Mar 2000 <<
  - Base Vol: 65 349 10 150 1082 26 41 427 74 0 430 118
  - 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: 65 349 10 150 1082 26 41 427 74 0 430 118
  - Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
  - PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
  - Initial Fut: 65 349 10 150 1082 26 41 427 74 0 430 118
  - 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: 65 349 10 150 1082 26 41 427 74 0 430 118
  - Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
  - Reduced Vol: 65 349 10 150 1082 26 41 427 74 0 430 118
  - 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
  - MILF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - Final Vol: 65 349 10 150 1082 26 41 427 74 0 430 118

**Saturation Flow Module:**
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.03 1.00 0.97 1.03 1.00 0.97 1.06 0.97 0.91 1.04 1.00
- Lanes: 1.00 1.94 0.06 1.00 1.95 0.05 1.00 2.00 1.00 0.00 1.56 0.44
- Final Sat.: 1750 3597 103 1750 3613 87 1750 3800 1750 0 2903 797

**Capacity Analysis Module:**
- Vol/Sat: 0.04 0.10 0.10 0.09 0.30 0.30 0.02 0.11 0.04 0.00 0.15 0.15
- Crit Moves: **** ****
- Green Time: 8.5 40.9 40.9 36.2 68.6 68.6 7.0 40.9 49.4 0.0 33.9 33.9
- Volume/Cap: 0.57 0.31 0.31 0.31 0.57 0.57 0.44 0.36 0.11 0.00 0.57 0.57
- Delay/Veh: 49.5 25.7 25.7 28.3 16.0 16.0 47.3 26.2 19.8 0.0 32.3 32.3
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjPctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 49.5 25.7 25.7 28.3 16.0 16.0 47.3 26.2 19.8 0.0 32.3 32.3
- DesignQueue: 4 18 1 8 40 1 3 22 3 0 24 7
### Intersection #3101: GUADALUPE/TAYLOR

#### Signal=Protect/Rights=Overlap
- **Final Vol:**
  - Lanes: 116
  - 2018

#### Vol Crit Date: 10/8/1997
- **Cycle Time (sec):** 170
- **Loss Time (sec):** 12
- **Critical VC:** 1289
- **Avg Crit Del (sec/veh):** 228.3
- **Avg Delay (sec/veh):** 143.9
- **LOS:** F

#### Movement: North Bound
- **Movement:** L - T - R
- **Min. Green:** 7
- **Vol Module:** 176 1423 523
- **Base Vol:** 27 2181 116
- **Vol:** 44 326 640

#### Movement: South Bound
- **Movement:** L - T - R
- **Min. Green:** 7
- **Vol Module:** 176 1423 523
- **Base Vol:** 27 2181 116
- **Vol:** 44 326 640

#### Movement: East Bound
- **Movement:** L - T - R
- **Min. Green:** 10
- **Vol Module:** 1423 523
- **Base Vol:** 0
- **Vol:** 0

#### Movement: West Bound
- **Movement:** L - T - R
- **Min. Green:** 10
- **Vol Module:** 523
- **Base Vol:** 0
- **Vol:** 0

### Saturation Flow Module
- **Sat/Lane:** 1800
- **Adjustment:** 0.97
- **Lanes:** 1.00
- **Final Sat.:** 1750

### Capacity Analysis Module
- **Vol/Sat:** 0.10 0.37
- **Green Time:** 13.3 82.0
- **Volume/Cap:** 1.29 0.78
- **Delay/Veh:** 283.1 29.2
- **Delay Adj.:** 1.00 1.00
- **ProgAdj/Veh:** 1.00 1.00
- **DesignQueue:** 16 77 17 2 135 4 3 25 48 65 26

---

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Intersection #3107: MARKET/SAN CARLOS

Final Vol: 116 414 198
Lanes: 1 1 0

Vol Crit Date: 5/2/2000
Cycle Time (sec): 138
Loss Time (sec): 12
Critical VC: 0.564
Avg Crit Del (sec/veh): 26.0
Avg Delay (sec/veh): 33.1

LOS: D

Approach:

Min. Green: 7 10 10 7 10 10 7 10 10 0 10 10

Volume Module: >> Count Date: 2 May 2000 <<
Base Vol: 141 214 38 111 1021 156 116 414 198 0 198 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: 141 214 38 111 1021 156 116 414 198 0 198 40
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATT: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 141 214 38 111 1021 156 116 414 198 0 198 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: 141 214 38 111 1021 156 116 414 198 0 198 40
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 141 214 38 111 1021 156 116 414 198 0 198 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
Final Vol: 141 214 38 111 1021 156 116 414 198 0 198 40

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 1.00 0.97 1.06 0.97 0.97 1.04 1.00 0.97 1.03 1.00
Lanes: 1.00 1.69 0.31 1.00 2.00 1.00 1.00 1.34 0.66 0.00 1.65 0.35
Final Sat.: 1750 3142 558 1750 3800 1750 1750 2502 1197 0 3078 622

Capacity Analysis Module:
Vol/Sat: 0.08 0.07 0.07 0.06 0.27 0.09 0.07 0.17 0.17 0.00 0.06 0.06
Crit Moves: **** **** **** ****
Green Time: 19.7 10.0 10.0 75.5 65.8 96.3 30.5 40.5 40.5 0.0 10.0 10.0
Volume/Cap: 0.56 0.94 0.94 0.12 0.56 0.13 0.30 0.56 0.56 0.00 0.89 0.89
Delay/Veh: 44.1 76.6 76.6 11.5 20.0 5.3 34.2 31.9 31.9 0.0 67.8 67.8
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 44.1 76.6 76.6 11.5 20.0 5.3 34.2 31.9 31.9 0.0 67.8 67.8
DesignQueue: 9 15 3 4 44 4 7 23 11 0 14 3
Intersection #3107: MARKET/SAN CARLOS

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<th>Signal=ProtectRights=Overlap</th>
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| 172       | 1     | 112  
| 0         |       | 0  
| 675       | 1     | 0  
| 655       | 0     | 1  

|--------------|-------------------|------------------|--------------|------------------------|---------------------|-----------|
| 5/2/2000     | 138               | 12               | 0.961        | 46.0                   | 42.3                | 0         
|              |                   |                  |              |                        |                     | 0***      |

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| 186       | 1     | 396  
| 34        |       | 34  

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<td>7 10 10</td>
<td>7 10 10</td>
<td>0 10 10</td>
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<td>Initial Bse:</td>
<td>186 366</td>
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<td>1.00 1.00</td>
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<tr>
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<td>1.00 1.00</td>
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<tr>
<td>Final Vol:</td>
<td>186 366</td>
<td>34 133 1580</td>
</tr>
</tbody>
</table>

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.03 1.00 0.97 1.06 0.97 1.05 1.00 0.97 1.03 1.00 |
| Lanes: | 1.00 1.83 0.17 1.00 2.00 1.00 1.00 1.00 0.00 1.00 0.14 |
| Final Sat.: | 1750 3385 314 1750 3800 1750 1750 1899 1800 0 3452 247 |

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**Intersection #3112: MONTGOMERY/SANTA CLARA ["loss time includes 34 sec pedestrian phase"]**

![Intersection Diagram]

### Approach:

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<th>South Bound</th>
<th>East Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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</tbody>
</table>

| Min. Green | 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 |

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<tr>
<th>Volume Module:</th>
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<tr>
<td>Base Vol:</td>
<td>0 0 0 0 0 0 0 0 0 798 476 372 1057 0</td>
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<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>Initial Bse:</td>
<td>0 0 0 0 0 0 0 0 0 798 476 372 1057 0</td>
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<tr>
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| Sat/Lane:      | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment:    | 0.97 1.06 0.97 1.06 0.97 0.97 1.06 0.97 0.88 1.06 0.97 |
| Lanes:         | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.00 1.00 2.00 2.00 0.00 |
| Final Sat.:    | 0 0 0 0 0 0 0 0 0 3800 1750 3150 3800 0 |

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Intersection #3112: MONTGOMERY/SANTA CLARA [*loss time includes 34 sec pedestrian phase*]

### Approach Characteristics

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| Min. Green | 0 0 0 0 0 0 0 0 0 10 10 7 10 0 |

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### Saturation Flow Module:

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.88 1.06 0.97 |
| Lanes: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2.00 3.00 2.00 |
| Final Sat.: 0 0 0 0 0 0 0 0 0 3800 1750 3150 3800 |

### Capacity Analysis Module:

| Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.33 0.48 0.35 0.30 0.00 |
| Crit Moves: **** **** |
| Green Time: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 40.1 40.1 28.9 69.0 0.0 |
| Volume/Cap: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.91 1.32 1.32 0.47 0.00 |
| Delay/Veh: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 31.6 241.8 240.9 8.4 0.0 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| PrgAdjFctr: 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 |
| AdjDelay/Veh: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 31.6 241.8 240.9 8.4 0.0 |
| Design Queue: 0 0 0 0 0 0 0 0 0 53 37 53 28 0
Intersection #3112: MONTGOMERY/SANTA CLARA ["loss time includes 34 sec pedestrian phase"]

Approach:

Movement: North Bound South Bound East Bound West Bound

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<th>R</th>
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Volume Module: >> Count Date: 2 May 2000 <<

Base Vol: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Added Vol: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

PasserByVol: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Initial Fut: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

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

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

PHF Volume: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Reduct Vol: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Reduced Vol: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

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

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

Final Vol: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 0.97

Lanes: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Final Sat.: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Capacity Analysis Module:

Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.33 0.14 0.03 0.30 0.00

Crit Moves: **** ****

Green Time: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 62.0 62.0 7.0 69.0 0.0

Volume/Cap: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.59 0.24 0.51 0.47 0.00

Delay/Veh: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.2 9.2 39.7 8.4 0.0

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

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.2 9.2 39.7 8.4 0.0

DesignQueue: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 37 7 6 28 0
Intersection #3209: 87/WOZ

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<td>0 107 0 0</td>
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<td>0 107 0 0</td>
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<td>0 670 0 439 0</td>
<td>0 107 0 0</td>
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<td>Final Vol:</td>
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### Intersection #3223: AIRPORT/COLEMAN

**Approach:**

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**Min. Green:**

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**Volume Module:**

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**Saturation Flow Module:**

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**Capacity Analysis Module:**

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### Intersection #3223: AIRPORT/COLEMAN

**Final Vol:**
- Lanes: 0
- **Vol Crit Date:** 10/16/2001
- **Cycle Time (sec):** 140
- Loss Time (sec): 9
- Critical VC: 0.653
- Avg Crit Del (sec/veh): 16.5
- Avg Delay (sec/veh): 17.1
- LOS: C

**Approach:**

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
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<th>East Bound</th>
<th>West Bound</th>
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<tr>
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<td>PasserByVol:</td>
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**Sat/Lane:**
- 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

**Adjustment:**
- 0.97 1.05 1.00 0.97 1.04 0.97 1.06 0.97 0.99 1.06 0.97

**Lanes:**
- 1.00 2.18 0.82 1.00 3.00 0.00 0.00 0.00 0.00 2.00 0.00 1.00

**Final Sat.:**
- 1750 4120 1477 1750 5600 0 0 0 3550 0 1750

**Capacity Analysis Module:**
- **Vol/Sat.:** 0.00 0.18 0.18 0.06 0.43 0.00 0.00 0.00 0.00 0.19 0.00 0.07
- **Crit Moves:** ***
- **Green Time:** 0.0 68.9 68.9 22.4 91.3 0.0 0.0 0.0 0.0 39.7 0.0 62.1
- **Volume/Cap:** 0.00 0.36 0.36 0.36 0.36 0.65 0.00 0.00 0.00 0.00 0.65 0.00 0.15
- **Delay/Veh:** 0.0 16.7 16.7 40.2 11.5 0.0 0.0 0.0 0.0 34.6 0.0 17.6
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFct:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 0.0 16.7 16.7 40.2 11.5 0.0 0.0 0.0 0.0 34.6 0.0 17.6
- **DesignQueue:** 0 30 11 7 73 0 0 0 0 38 0 5
### Intersection #3230: ALAMEDA/STOCKTON

#### Final Vol:
- **Signal=SplitRights=Overlap**
- **Lanes:** 1
- **Vol Crit Date:** 11/12/2000
- **Cycle Time (sec):** 110
- **Loss Time (sec):** 12
- **Critical VC:** 0.477
- **Avg Crit Del (sec/veh):** 21.3
- **Avg Delay (sec/veh):** 18.3
- **LOS:** C

#### Lanes:
- **Final Vol:** 1

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

#### Volume Module:
- **Count Date:** 1 Nov 2000
- **Base Vol:** 1
- **Growth Adj:** 1.00
- **Initial Bae:** 1
- **Added Vol:** 0
- **LAT:** 0
- **Initial Fut:** 1
- **User Adj:** 1.00
- **PHF Adj:** 1.00
- **PHF Volume:** 1
- **Reduct Vol:** 0
- **Reduced Vol:** 1
- **FCE Adj:** 1.00
- **MLE Adj:** 1.00
- **Final Vol:** 1

#### Saturation Flow Module:
- **Sat/Lane:** 1800
- **Adjustment:** 1.00
- **Lanes:** 0.50
- **Final Sat.:** 900

#### Capacity Analysis Module:
- **Vol/Sat:** 0.00
- **Crit Moves:** ****
- **Green Time:** 10.0
- **Delay/Veh:** 34.6
- **Delay Adj:** 1.00
- **ProgAdjFctr:** 1.00
- **AdjDel/Veh:** 34.6
- **DesignQueue:** 0

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Intersection #3230: ALAMEDA/STOCKTON

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Approach:  

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Saturation Flow Module:
| Sat/Lane: | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Adjustment: | 1.00 | 1.00 | 0.97 | 0.97 | 1.06 | 0.97 | 0.97 | 1.06 | 0.97 | 0.97 | 1.04 |
| Lanes: | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 1.00 | 0.00 | 1.50 |
| Final Sat.: | 900 | 900 | 1750 | 1750 | 1750 | 1750 | 1750 | 3800 | 1750 | 0 | 2799 |

Capacity Analysis Module:
| Vol/Sat: | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 |
| Crit Moves: | ***** | ***** |
| Green Time: | 10.0 | 10.0 | 10.0 | 56.6 | 0.0 | 63.6 | 7.0 | 41.4 | 51.4 | 0.0 | 34.4 |
| Volume/Cap: | 0.01 | 0.01 | 0.02 | 1.25 | 0.00 | 0.30 | 1.00 | 1.09 | 0.00 | 0.00 | 1.25 |
| Delay/Veh: | 38.4 | 38.4 | 38.4 | 38.4 | 181.4 | 0.0 | 12.0 | 111.1 | 78.1 | 14.9 | 0.0 | 184 |
| Delay Adj: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| ProgAdjFctr: | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| AdjDel/Veh: | 38.4 | 38.4 | 38.4 | 38.4 | 181.4 | 0.0 | 12.0 | 111.1 | 78.1 | 14.9 | 0.0 | 184 |
| DesignQueue: | 0 | 0 | 0 | 43 | 0 | 9 | 6 | 69 | 0 | 0 | 53 |

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Intersection #3234: ALMA/ALMADEN

**Approach:**

**Movement:**
- North Bound
  - L - T - R
  - Min. Green: 10 10 10
  - Base Vol: 192 216 135
  - Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - Initial Bee: 192 216 135
  - Added Vol: 0 0 0 0 0 0 0 0 0 0 0
  - ATI: 0 0 0 0 0 0 0 0 0 0 0
  - Initial Fut: 192 216 135
  - User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - 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: 192 216 135
  - Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
  - Reduced Vol: 192 216 135
  - PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - Final Vol: 192 216 135

**South Bound**
- L - T - R
  - Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
  - Adjustment: 0.97 1.06 0.97 1.06 0.97 1.03 1.00 0.97 1.06 0.97
  - Lanes: 1.00 2.00 1.00 0.00 0.00 0.00 1.00 1.99 0.01 1.00 2.00
  - Final Sat.: 1750 3800 1750

**East Bound**
- L - T - R
  - Lanes: 0 0 1 0

**West Bound**
- L - T - R
  - Lanes: 0 2 1 1

**Saturation Flow Module:**
- Vol/Sat: 0.11 0.06 0.08 0.00 0.00 0.00 0.00 0.01 0.17 0.17 0.29 0.10 0.05

**Capacity Analysis Module:**
- Green Time: 19.4 19.4 19.4
- Volume/Cap: 0.62 0.32 0.44 0.00 0.00 0.00 0.19 0.62 0.62 0.62 0.15 0.08
- Delay/Veh: 34.6 30.2 31.4
- Delay Adj: 1.00 1.00 1.00
- ProgAdjFctr: 1.00 1.00 1.00
- AdjDel/Veh: 34.6 30.2 31.4
- DesignQueue: 10 11 7

---

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Intersection #3234: ALMA/ALMADEN

| Final Vol: | 12 | 0 | 70 | 1 | 2 | 0 |
| Lanes: | 1 | 1 | 1 | 1 | 1 | 1 |
| Signal=Protect Rights=Overlap |

| Vol/Crit Date: | 3/17/1999 |
| Cycle Time (sec): | 100 |
| Loss Time (sec): | 12 |
| Critical Vic: | 0.931 |
| Avg Crit Del (sec/veh): | 42.9 |
| Avg Delay (sec/veh): | 36.8 |
| LOS: | D |
| Final Vol: | 143*** | 161 | 151 | 151 |
| Lanes: | 1 | 1 | 0 | 1 |
| Signal=Protect Rights=Overlap |

Approach: | North Bound | South Bound | East Bound | West Bound |
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<td>279 695 35</td>
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<td>279 695 35</td>
<td>12 709 2</td>
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Saturation Flow Module:
| Sat/Lane: | 1800 1800 1800 | 1800 1800 1800 | 1800 1800 1800 | 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 | 0.97 1.06 0.97 | 0.97 1.03 1.00 | 0.88 1.06 0.97 |
| Lanes: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 0.01 2.00 1.00 |
| Final Sat.: | 1750 1900 1750 | 1750 1900 1750 | 1750 1900 1750 | 1750 3690 10 |
| Capacity Analysis Module:
| Vol/Sat: | 0.08 0.08 0.09 | 0.16 0.37 0.02 | 0.01 0.19 0.19 | 0.18 0.23 0.03 |
| Crit Moves: | **** | **** | **** |
| Green Time: | 8.8 10.0 29.3 | 38.1 39.3 46.3 | 7.0 20.6 20.6 | 19.3 32.9 71.0 |
| Volume/Cap: | 0.93 0.85 0.29 | 0.42 0.93 0.04 | 0.10 0.93 0.93 | 0.93 0.71 0.04 |
| Delay/Veh: | 71.8 52.9 20.9 | 17.6 35.3 11.2 | 33.1 42.6 42.6 | 45.5 24.9 3.3 |
| Delay Adj: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| Prog/Del/Fct: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| AdjDel/Veh: | 71.8 52.9 20.9 | 17.6 35.3 11.2 | 33.1 42.6 42.6 | 45.5 24.9 3.3 |
| DesignQueue: | 7 8 6 | 10 26 1 | 1 33 0 | 26 18 1 |
Intersection #3240: ALMA/ VINE

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Min. Green: 0 0 0 10 10 10 0 10 10 0

Volume Module: >> Count Date: 22 Mar 2000 <<

Base Vol: 337 1029 48 0 370 210 0 629 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 Bsc: 0 0 0 337 1029 48 0 370 210 0 629 0

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

ATI: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 0 0 0 337 1029 48 0 370 210 0 629 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 0 337 1029 48 0 370 210 0 629 0

Reduce Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 0 0 0 337 1029 48 0 370 210 0 629 0

FCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

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

Final Vol: 0 0 0 337 1029 48 0 370 210 0 629 0

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 0.97 1.06 0.97 0.97 1.03 1.00 0.97 1.04 1.00 0.97 1.06 0.97

Lanes: 0.00 0.00 0.00 1.00 1.91 0.09 0.00 1.28 0.72 0.00 2.00 0.00

Final Sat.: 0 0 0 1750 3535 165 0 2397 1302 0 3800 0

Saturation Flow Module:

Capacity Analysis Module:

Vol/Sat: 0.00 0.00 0.00 0.19 0.29 0.29 0.00 0.15 0.15 0.00 0.17 0.00

Cirt Moves: ****

Green Time: 0.0 0.0 0.0 66.3 66.3 66.3 0.0 37.7 37.7 0.0 37.7 0.0

Volume/Cap: 0.00 0.00 0.00 0.32 0.48 0.48 0.00 0.45 0.45 0.00 0.48 0.00

Delay/Veh: 0.0 0.0 0.0 8.2 9.4 9.4 0.0 21.5 21.5 0.0 21.9 0.0

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

ProgAdjFCtr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Adj Del/Veh: 0.0 0.0 0.0 8.2 9.4 9.4 0.0 21.5 21.5 0.0 21.9 0.0

Design Queue: 0 0 0 9 27 1 0 15 8 0 26 0
Intersection #3240: ALMA/VINE

Final Vol: 36
Lanes: 0 1 0 1

Signal=ProtectRights=Include

Vol Crt Date: 3/2/2000
Cycle Time (sec): 100
Loss Time (sec): 12
Critical V/C: 0.798
Avg Crit Del (sec/veh): 30.4
Avg Delay (sec/veh): 26.4

Final Vol: 284
Lanes: 0 1 0 1

Signal=ProtectRights=Include

Final Vol: 463
Lanes: 1

Signal=ProtectRights=Include

Final Vol: 12
Lanes: 0

Signal=ProtectRights=Include

Final Vol: 263
Lanes: 0

LOS: D

Approach:

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Min. Green: 7 10 10 7 10 10 7 10 10

Volume Module: 0 847 51

Base Vol: 73 81 0 284 704 36 12 463 263 0 847 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 Bas: 73 81 0 284 704 36 12 463 263 0 847 51

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

PasserVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 73 81 0 284 704 36 12 463 263 0 847 51

User Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 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: 73 81 0 284 704 36 12 463 263 0 847 51

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

Reduced Vol: 73 81 0 284 704 36 12 463 263 0 847 51

PCE Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

MLF Adj: 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Final Vol: 73 81 0 284 704 36 12 463 263 0 847 51

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.07 1.00 0.97 1.04 1.00 0.97 1.03 1.00 1.00
Lanes: 1.00 1.00 0.00 1.00 0.95 0.05 1.00 1.26 0.74 0.00 1.88 0.12
Final Sat: 1750 1900 1750 1712 88 1750 2359 1340 0 3490 210

Capacity Module:

Vol/Sat: 0.04 0.04 0.04 0.01 0.01 0.01 0.20 0.20 0.00 0.24 0.24
Crit Moves: **** **** **** **** 7.0 10.0 0.0 43.5 46.5 46.5 7.0 34.5 34.5 0.0 27.5 27.5
Volume/Cap: 0.60 0.43 0.00 0.37 0.88 0.88 0.10 0.57 0.57 0.00 0.88 0.88
Delay/Veh: 39.6 33.1 0.0 14.6 26.3 26.3 33.1 20.8 20.8 0.0 33.1 33.1
Delay/100: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 39.6 33.1 0.0 14.6 26.3 26.3 33.1 20.8 20.8 0.0 33.1 33.1
DesignQueue: 4 4 0 9 23 1 1 18 10 0 36 2

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Intersection #3242: ALMADE/ VIRGINIA

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

Min. Green: 10 10 10 0 0 0 10 10 0 0 10 10 0 0 10 10

Volume Module: >> Count Date: 12 Sep 2000 <<
Base Vol: 55 313 41 0 0 0 62 185 0 0 94 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 Base: 55 313 41 0 0 0 62 185 0 0 94 23
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 55 313 41 0 0 0 62 185 0 0 94 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: 55 313 41 0 0 0 62 185 0 0 94 23
Reduce Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 55 313 41 0 0 0 62 185 0 0 94 23
PEF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 55 313 41 0 0 0 62 185 0 0 94 23

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.00 1.00 0.97 1.06 0.97 1.00 1.00 0.97 0.97 1.06 0.97
Lanes: 0.27 1.53 0.20 0.00 0.00 0.00 0.25 0.75 0.00 0.00 1.00 1.00
Final Sat.: 484 2755 361 0 0 0 452 1348 0 0 1900 1750

Capacity Analysis Module:
Vol/Sat: 0.11 0.11 0.11 0.00 0.00 0.00 0.14 0.14 0.00 0.00 0.05 0.01
Crit Moves: **** **** ****
Green Time: 38.0 38.0 38.0 0.0 0.0 0.0 46.0 46.0 0.0 0.0 46.0 46.0
Volume/Cap: 0.27 0.27 0.27 0.00 0.00 0.00 0.27 0.27 0.00 0.00 0.10 0.03
Delay/Veh: 12.9 12.9 12.9 0.0 0.0 0.0 9.5 9.5 0.0 0.0 8.6 8.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fcrt: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 12.9 12.9 12.9 0.0 0.0 0.0 9.5 9.5 0.0 0.0 8.6 8.3
DesignQueue: 2 9 1 0 0 0 2 5 0 0 2 1
### Intersection #3242: ALMADEN/VIRGINIA

#### Approach Movement: North Bound South Bound East Bound West Bound

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Intersection #3246: ALAMADEN/GOODYEAR

Final Vol: Lanes: Signal=Permit Rights=Include
24 0 0 0 0
1 1 1 1
150 0 0 0 0
20 1 1 1 1

Vol Ctrl Date: 9/21/2000
Cycle Time (sec): 65
Loss Time (sec): 6
Critical Vic: 0.720

Avg Crit Del (sec/veh): 8.7
Avg Delay (sec/veh): 9.2

Final Vol: Lanes: Signal=Permit Rights=Include
0 0 0 0
6 1 1 1
229 0 0 0
16 1 1 1

Approach:

Movement: North Bound South Bound East Bound West Bound

Min. Green: 10 10 10 10 10 10 10 10 10 10 10 10 10 10
Volume Module: >> Count Date: 21 Sep 2000 <<
Base Vol: 6 229 16 82 826 27 24 150 20 12 202 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 1.00 1.00
Initial Bas: 6 229 16 82 826 27 24 150 20 12 202 25
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 6 229 16 82 826 27 24 150 20 12 202 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 1.00 1.00
PHF Adj: 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: 6 229 16 82 826 27 24 150 20 12 202 25
Reduce Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 6 229 16 82 826 27 24 150 20 12 202 25
FCE Adj: 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
Fin Vol: 6 229 16 82 826 27 24 150 20 12 202 25

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97
Lanes: 0.02 0.92 0.06 0.09 0.88 0.03 0.14 0.86 1.00 0.06 0.94 1.00
Final Sat.: 42 1597 112 153 1546 51 248 1552 1750 101 1699 1750

Capacity Analysis Module:
Vol/Sat: 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14
Crit Moves: ****
Green Time: 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 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
AdjDel/Veh: 1.9 1.9 1.9 4.9 4.9 4.9 21.2 21.2 21.2 21.2 21.2 21.2 21.2 21.2 21.2
DesignQueue: 0 2 0 1 9 0 1 5 1 0 6 1
Intersection #3247: ALMADENGRANT

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<td>L - T - R</td>
<td>L - T - R</td>
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<td>Final Vol:</td>
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</table>

**Saturation Flow Module:**
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 1.00 1.03 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
- Lanes: 0.01 1.99 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00
- Final Sat.: 19 3681 0 0 0 0 1750 0 0 0 0 0

**Capacity Analysis Module:**
- Vol/Sat: 0.11 0.11 0.00 0.00 0.00 0.00 0.08 0.00 0.00 0.00 0.00 0.00
- Crit Moves: ****
- Green Time: 47.9 47.9 0.0 0.0 0.0 0.0 36.1 0.0 0.0 0.0 0.0 0.0
- Volume/Cap: 0.20 0.20 0.00 0.00 0.00 0.00 0.20 0.00 0.00 0.00 0.00 0.00
- Delay/Veh: 8.4 8.4 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0
- Delay/Ctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDelay/Ctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdJDelay/Veh: 8.4 8.4 0.0 0.0 0.0 0.0 13.4 0.0 0.0 0.0 0.0 0.0
- DesignQueue: 0 9 0 0 0 0 4 0 0 0 0 0
Intersection #3250: ALMADE/N/REED

Final Vol: Lanes: 0 0 0 0 0 0

Signal=Split/Rights=Include

Vol Cnt Date: Cycle Time (sec): 2262/0200 90

Loss Time (sec): 6

Critical V/C: 0.355

Avg Crit Del (sec/veh): 13.0

Avg Delay (sec/veh): 12.9

LOS: B

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

Min. Green: 0 10 10 0 0 0 0 0 0 0 0 0 10 10

Volume Module: >> Count Date: 26 Feb 2002 <= 4:30~5:13PM

Base Vol: 0 380 219 0 0 0 0 0 0 0 0 0 392 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 Bas: 0 380 219 0 0 0 0 0 0 0 0 0 392 17

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

ATI: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 0 380 219 0 0 0 0 0 0 0 0 0 392 17

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

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

PHF Volume: 0 380 219 0 0 0 0 0 0 0 0 0 392 17

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

Reduced Vol: 0 380 219 0 0 0 0 0 0 0 0 0 392 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

Final Vol: 0 380 219 0 0 0 0 0 0 0 0 0 392 17

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 0.97

Lanes: 0.00 2.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00

Final Sat.: 0 3800 1750 0 0 0 0 0 0 0 0 1900 1750

Capacity Analysis Module:

Vol/Sat: 0.00 0.10 0.13 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.21 0.01

Critt Moves: ****

Green Time: 0.0 31.7 31.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 52.3 52.3

Volume/Cap: 0.00 0.28 0.36 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.36 0.02

Delay/Veh: 0.0 16.0 16.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.7 6.1

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

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 0.0 16.0 16.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 7.7 6.1

DesignQueue: 0 13 7 0 0 0 0 0 0 0 0 0
Intersection #3252: ALMADE\N SANTA CLARA(E)

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

Min. Green: 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 16 Nov 2000 <<
Base Vol: 134 233 148 0 0 0 161 1068 0 235 655 112
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bas: 134 233 148 0 0 0 161 1068 0 235 655 112
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 134 233 148 0 0 0 161 1068 0 235 655 112
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 134 233 148 0 0 0 161 1068 0 235 655 112
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 134 233 148 0 0 0 161 1068 0 235 655 112
PCF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 134 233 148 0 0 0 161 1068 0 235 655 112

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.05 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.03 1.00
Lanes: 1.00 1.20 0.80 0.00 0.00 0.00 1.00 2.00 1.00 1.00 1.70 0.30
Final Sat.: 1750 2262 1437 0 0 0 1750 3800 1750 1750 3159 540

Capacity Analysis Module:
Vol/Sat: 0.08 0.10 0.10 0.00 0.00 0.00 0.09 0.28 0.00 0.13 0.21 0.21
Crit Moves: **** ****
Green Time: 16.1 16.1 16.1 0.0 0.0 0.0 10.0 43.9 0.0 21.0 54.9 54.9
Volume/Cap: 0.43 0.58 0.58 0.00 0.00 0.00 0.83 0.58 0.00 0.58 0.34 0.34
Delay/Veh: 25.6 26.6 26.6 0.0 0.0 0.0 46.4 12.8 0.0 24.7 6.6 6.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 25.6 26.6 26.6 0.0 0.0 0.0 46.4 12.8 0.0 24.7 6.6 6.6
DesignQueue: 6 10 6 0 0 0 7 30 0 9 13 2
Intersection #3252: ALMADE/SANTA CLARA(E)

Approach: North Bound  South Bound  East Bound  West Bound

Movement:  L - T - R  L - T - R  L - T - R  L - T - R

Min. Green: 10 10 0 7 10 0 7 10 0

Volume Module: >> Count Date: 16 Nov 2000 <<
Base Vol: 212 368 234 0 0 0 254 1659 0 580 1035 177
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 Bae: 212 368 234 0 0 0 254 1659 0 580 1035 177
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0
Initial Fut: 212 368 234 0 0 0 254 1659 0 580 1035 177
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: 212 368 234 0 0 0 254 1659 0 580 1035 177
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 212 368 234 0 0 0 254 1659 0 580 1035 177
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
Final Vol: 212 368 234 0 0 0 254 1659 0 580 1035 177

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.05 1.00 0.97 1.06 0.97 1.06 0.97 1.03 1.00
Lanes: 1.00 1.20 0.80 0.00 0.00 0.00 1.00 2.00 1.00 1.00 1.70 0.30
Final Sat.: 1750 2261 1438 0 0 0 1750 3800 1750 1750 4100 540

Capacity Analysis Module:
Vol/Sat: 0.12 0.16 0.16 0.00 0.00 0.00 0.15 0.44 0.00 0.33 0.33 0.33
Crit Moves: **** ****
Green Time: 15.9 15.9 15.9 0.0 0.0 0.0 23.1 42.7 0.0 32.4 52.0 52.0
Volume/Cap: 0.76 1.02 1.02 0.00 0.00 0.00 0.63 1.02 0.00 1.02 0.63 0.63
Delay/Veh: 38.5 66.7 66.7 0.0 0.0 0.0 28.5 44.9 0.0 61.1 13.5 13.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 38.5 66.7 66.7 0.0 0.0 0.0 28.5 44.9 0.0 61.1 13.5 13.5
DesignQueue: 10 18 22 0 0 0 11 60 0 24 30 5
### Intersection #3253: ALMADE/SANTA CLARA(W)

<table>
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<th>Lanes</th>
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<th>Cycle Time (sec)</th>
<th>Loss Time (sec)</th>
<th>Critical V/C</th>
<th>Avg Crit Del (sec/veh)</th>
<th>Avg Delay (sec/veh)</th>
<th>LOS</th>
<th>Signal=Permit Rights=Include</th>
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### Approach: North Bound

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### Volume Module: >> Count Date: 16 Nov 2000 <<

| Base Vol: | 0 0 0 0 85 381 151 0 1361 418 0 808 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 Vol: | 0 0 0 0 85 381 151 0 1361 418 0 808 0 |
| Added Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| ATI: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Initial Fut: | 0 0 0 0 85 381 151 0 1361 418 0 808 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 0 0 85 381 151 0 1361 418 0 808 0 |
| Reduct Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Reducted Vol: | 0 0 0 0 85 381 151 0 1361 418 0 808 0 |
| PCE Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| MLF Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Final Vol.: | 0 0 0 0 85 381 151 0 1361 418 0 808 0 |

### Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.00 1.03 0.97 0.97 1.06 0.97 0.97 1.06 0.97 |
| Lanes: | 0.00 0.00 0.00 0.37 1.63 1.00 0.00 2.00 1.00 0.00 2.00 0.00 |
| Final Sat.: | 0 0 0 675 3025 1750 0 3800 1750 0 3800 0 |

### Capacity Analysis Module:

| Vol/Sat: | 0.00 0.00 0.00 0.00 0.13 0.13 0.09 0.00 0.36 0.24 0.00 0.21 0.00 |
| Crit Moves: | **** | **** |
| Green Time: | 0.0 0.0 0.0 21.1 21.1 21.1 0.0 59.9 59.9 0.0 59.9 0.0 |
| Volume/Cap: | 0.00 0.00 0.00 0.54 0.54 0.37 0.00 0.54 0.36 0.00 0.32 0.00 |
| Delay/Veh: | 0.0 0.0 0.0 23.5 23.5 22.2 0.0 61.5 5.1 0.0 4.9 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjCap: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 0.0 0.0 23.5 23.5 22.2 0.0 61.5 5.1 0.0 4.9 0.0 |
| DesignQueue: | 0 0 0 3 15 6 0 25 7 0 14 0 |
Intersection #3254: ALMADEN/WILLOW

Final Vol: 53 0 0 160 0
Vol Crit Date: 9/12/2000 65
Loss Time (sec): 6
Critical V/C: 0.894
Avg Crit Del (sec/veh): 18.7
Avg Delay (sec/veh): 17.1

Lane: 1 50

Approach:

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Min. Green: 10 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 12 Sep 2000 <<
Base Vol: 43 160 50 160 817 53 28 322 40 25 305 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 Base: 43 160 50 160 817 53 28 322 40 25 305 50
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Passer By Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Filt: 43 160 50 160 817 53 28 322 40 25 305 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: 43 160 50 160 817 53 28 322 40 25 305 50
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 43 160 50 160 817 53 28 322 40 25 305 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
Final Vol: 43 160 50 160 817 53 28 322 40 25 305 50

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 1.00 1.00
Lanes: 0.17 0.63 0.20 0.16 0.79 0.05 0.07 0.83 0.10 0.08 0.92 1.00
Final Sat: 297 1107 346 272 1388 90 126 1445 179 136 1664 1750

Capacity Analysis Module:
Vol/Sat: 0.14 0.14 0.14 0.59 0.59 0.59 0.59 0.22 0.22 0.22 0.18 0.18 0.03
Crit Moves: **** ******
Green Time: 42.8 42.8 42.8 42.8 42.8 42.8 16.2 16.2 16.2 16.2 16.2 16.2
Volume/Cap: 0.22 0.22 0.22 0.89 0.89 0.89 0.89 0.89 0.89 0.89 0.74 0.74 0.11
Delay/Veh: 3.4 3.4 3.4 13.6 13.6 13.6 32.3 32.3 32.3 32.3 21.3 21.3 14.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Prog Adj Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 3.4 3.4 3.4 13.6 13.6 13.6 32.3 32.3 32.3 32.3 21.3 21.3 14.3
Design Queue: 1 2 1 2 12 1 1 9 1 1 9 1
### Intersection #3266: AUZERAIS/BIRD

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**Vol/Crit Date:** 7116/1998  
**Cycle Time (sec):** 120  
**Loss Time (sec):** 9  
**Critical V/C:** 0.560  
**Avg Crit Del (sec/veh):** 15.7  
**Avg Delay (sec/veh):** 23.1

**LOS:** C

### Approach:

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<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
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**Min. Green:** 7 10 10  
**Volume Module:** >>  
**Count Date:** 16 Jul 1998  
**Base Vol:** 184 517 65 73 1856 57 21 112 337 205 68 22  
**Growth Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00  
**Initial Bse:** 184 517 65 73 1856 57 21 112 337 205 68 22  
**Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0  
**ATI:** 0 0 0 0 0 0 0 0 0 0 0 0  
**Initial Fut:** 184 517 65 73 1856 57 21 112 337 205 68 22  
**User Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00  
**FHF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00  
**FHF Volume:** 184 517 65 73 1856 57 21 112 337 205 68 22  
**Reduced Vol:** 0 0 0 0 0 0 0 0 0 0 0 0  
**Reduced Vol:** 184 517 65 73 1856 57 21 112 337 205 68 22  
**PCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00  
**MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00  
**Final Vol:** 184 517 65 73 1856 57 21 112 337 205 68 22

**Saturation Flow Module:**  
**Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800  
**Adjustment:** 0.97 1.06 0.97 0.97 1.06 0.97 1.00 1.00 0.97 0.97 0.97 0.97  
**Lanes:** 1.00 3.00 1.00 1.00 3.00 1.00 0.16 0.84 1.00 0.70 0.23 0.07  
**Final Sat.:** 1750 5700 1750 1750 5700 1750 284 1516 1750 1216 403 131

**Capacity Analysis Module:**  
**Vol/Sat:** 0.11 0.99 0.04 0.04 0.33 0.03 0.03 0.07 0.07 0.19 0.17 0.17 0.17  
**CritMoves:** ****  
**Green Time:** 22.5 85.3 85.3 7.0 69.7 69.7 18.7 18.7 41.3 18.7 18.7 18.7  
**Volume/Cap:** 0.56 0.13 0.05 0.72 0.56 0.06 0.47 0.47 0.56 1.08 1.08 1.08  
**Delay/Veh:** 35.3 4.2 4.0 55.9 12.0 8.3 36.0 36.0 25.2 108.5 109 108.5  
**Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00  
**ProgAdjPct:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00  
**AdjDel/Veh:** 35.3 4.2 4.0 55.9 12.0 8.3 36.0 36.0 25.2 108.5 109 108.5  
**DesignQueue:** 10 10 1 5 57 2 1 6 15 12 4 1
### Intersection #3266: AUIERAIS/BIRD

#### Final Vol:

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#### Signal=Permit Rights=Overlap

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<td>Critical WC: 0.761</td>
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<td>Avg Crit Del (sec/veh): 19.4</td>
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#### Saturation Flow Module:

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#### Capacity Analysis Module:

| Vol/Sat: | 0.14 | 0.12 | 0.05 | 0.06 | 0.04 | 0.04 | 0.10 | 0.10 | 0.26 | 0.23 | 0.23 | 0.23 |
| Crit Moves: | ***** | ***** | ***** | ***** | ***** |
| Green Time: | 22.5 | 85.3 | 85.3 | 69.8 | 69.8 | 18.7 | 18.7 | 41.2 | 18.7 | 18.7 | 18.7 |
| Volume/Cap: | 0.76 | 0.17 | 0.07 | 0.76 | 0.08 | 0.64 | 0.64 | 0.76 | 1.47 | 1.47 | 1.47 |
| Delay/Veh: | 41.9 | 4.4 | 4.0 | 101.6 | 15.1 | 8.4 | 39.6 | 39.6 | 30.5 | 422.5 | 423 | 422.5 |
| DesignQueue: | 14 | 14 | 2 | 6 | 80 | 2 | 2 | 9 | 21 | 17 | 5 | 2 |
Intersection #3271: AUZERAIS/WOZ

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<td>0 19 10</td>
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<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Final Vol:</td>
<td>251 435</td>
<td>0 0 245 136</td>
<td>79 0 301</td>
<td>0 19 10</td>
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</table>

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.00 1.00 0.97 1.06 0.97 0.97 1.00 1.00 |
| Lanes: | 1.00 2.00 0.00 0.00 0.64 0.36 1.00 0.00 1.00 0.00 0.66 0.34 |
| Final Sat: | 1750 3800 | 0 0 1157 643 1750 0 1750 0 1750 0 1179 621 |

| Capacity Analysis Module: | | | |
| Vol/Sat: | 0.14 0.11 0.00 0.00 0.21 0.21 0.05 0.00 0.17 0.00 0.02 0.02 |
| Crit Moves: | **** | **** |
| Green Time: | 45.5 113 0.0 0.0 67.2 67.2 14.3 0.0 59.8 0.0 14.3 14.3 |
| Volume/Cap: | 0.43 0.14 0.00 0.00 0.43 0.43 0.43 0.00 0.39 0.00 0.15 0.15 |
| Delay/Veh: | 27.0 1.7 0.0 0.0 17.0 17.0 44.3 0.0 19.8 0.0 42.1 42.1 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Fcrt: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 27.0 1.7 0.0 0.0 17.0 17.0 44.3 0.0 19.8 0.0 42.1 42.1 |
| Design Queue: | 13 6 | 0 0 10 5 5 | 0 13 | 0 1 1 |
**Intersection #3303: BIRD/MINNESOTA**

### Signal Operations
- **Vol/Crit Date:** 5/3/2000
- **Cycle Time (sec):** 120
- **Loss Time (sec):** 12
- **Critical V/C:** 0.665
- **Avg Critical Delay (sec/veh):** 30.2
- **Avg Delay (sec/veh):** 27.1

### LOS
- **LOS:** D

### Traffic Flow

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
<td>Min. Green</td>
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<td>10</td>
<td>7</td>
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### Volume Module
- **Base Vol.:** 55 207 152 79 78 352 92 184 274 43
- **Growth Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Initial Bse: 55 207 152 112 621 79 78 352 92 184 274 43
- **Added Vol.:** 0 0 0 0 0 0 0 0 0 0 0 0
- **ATI:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 55 207 152 79 112 621 78 352 92 184 274 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:** 55 207 152 112 621 79 78 352 92 184 274 43
- **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 55 207 152 79 112 621 78 352 92 184 274 43
- **PCF Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **MLF Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Final Vol.:** 55 207 152 112 621 79 78 352 92 184 274 43

### Saturation Flow Module
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.06 0.97 1.00 1.03 0.97 1.00 1.05 0.97
- **Lanes:** 1.00 1.00 1.00 1.00 1.00 1.00 0.37 1.63 1.00 0.83 1.17 1.00
- **Final Sat.:** 1750 1900 1750 1750 1750 1750 671 3028 1750 1486 2212 1750

### Capacity Analysis Module
- **Vol/Sat:** 0.03 0.11 0.09 0.06 0.33 0.05 0.12 0.12 0.05 0.12 0.12 0.02
- **Crit Moves:** **** **** **** ****
- **Green Time:** 7.0 41.1 63.2 24.1 58.2 78.9 20.7 20.7 27.7 22.1 22.1 46.2
- **Volume/Cap:** 0.54 0.32 0.17 0.32 0.67 0.07 0.67 0.67 0.23 0.67 0.67 0.06
- **Delay/Veh:** 46.0 22.2 11.2 31.3 19.3 5.6 37.3 37.3 28.5 36.5 36.5 17.7
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 46.0 22.2 11.2 31.3 19.3 5.6 37.3 37.3 28.5 36.5 36.5 17.7
- **Design Queue:** 39 5 6 23 2 4 20 5 10 15 2
### Intersection #3303: BIRD/MINNESOTA

**Signal=Protect/Right=Overlap**

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<tr>
<th>Final Vol: Lanes: 105 1 0 1 0 1</th>
<th>429*** 149</th>
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<td><strong>Vol Crit Date:</strong> Cycle Time (sec):</td>
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<td><strong>Avg Crit Del (sec/veh):</strong></td>
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<td><strong>Avg Delay (sec/veh):</strong></td>
<td>34.5</td>
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**Approach:**

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<td>7 10 10</td>
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<tr>
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<td>73 275 202 149 826 105 104 468 122 245 365 57</td>
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<tr>
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<tr>
<td>Initial Bse:</td>
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<tr>
<td>Added Vol:</td>
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<td>PasserByVol:</td>
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<td>Initial Fut:</td>
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<tr>
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<td>PHE Volume:</td>
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<tr>
<td>Reduct Vol:</td>
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<tr>
<td>Reduced Vol:</td>
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<tr>
<td>PCE Adj:</td>
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<tr>
<td>Final Vol:</td>
<td>73 275 202 149 826 105 104 468 122 245 365 57</td>
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</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.06 0.97 1.00 1.03 0.97 1.00 1.05 0.97 |
| Lanes: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.90 1.00 1.00 0.83 1.17 1.00 |
| Final Sat.: | 1750 1900 1750 1750 1900 1750 673 3027 1750 1485 2213 1750 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.04 0.14 0.12 0.09 0.43 0.06 0.15 0.15 0.07 0.16 0.16 0.03 |
| Green Time: | 24.2 58.2 78.9 20.7 20.7 27.7 22.1 22.1 46.2 |
| Volume/Cap: | 0.72 0.42 0.22 0.42 0.90 0.09 0.90 0.90 0.30 0.90 0.90 0.08 |
| Delay/Veh: | 55.9 23.4 11.6 32.3 29.5 5.7 47.8 47.8 29.1 46.7 46.7 17.8 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 55.9 23.4 11.6 32.3 29.5 5.7 47.8 47.8 29.1 46.7 46.7 17.8 |
| DesignQueue: | 5 13 7 8 32 2 6 27 6 14 21 2 |
Intersection #3305: BIRD/WILLOW

Approach:  
Movement:  | North Bound | South Bound | East Bound | West Bound |
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<td>7 10 10</td>
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<td>Volume Module:</td>
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<tr>
<td>Base Vol: 148 243 134 135 816 225 142 361 268 90 262 118</td>
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<td>Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Initial Bse: 148 243 134 135 816 225 142 361 268 90 262 118</td>
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<td>Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>Initial Fut: 148 243 134 135 816 225 142 361 268 90 262 118</td>
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<td>PHF Volume: 148 243 134 135 816 225 142 361 268 90 262 118</td>
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<tr>
<td>Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>Final Vol.: 148 243 134 135 816 225 142 361 268 90 262 118</td>
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<tr>
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<tr>
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<td>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</td>
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<tr>
<td>Final Sat.: 1750 1900 1750 1750 1900 1750 1750 3800 1750 1750 3800 1750</td>
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<td>Capacity Analysis Module:</td>
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<td>Crit Moves: **** **** **** ****</td>
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<td>Green Time: 13.8 52.1 59.1 31.5 69.8 83.0 13.2 17.4 31.2 7.0 11.2 42.7</td>
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<td>Delay/Veh: 48.0 16.8 12.7 27.0 15.8 5.0 48.6 38.8 31.0 79.2 45.6 20.3</td>
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<td>AdjDel/Veh: 48.0 16.8 12.7 27.0 15.8 5.0 48.6 38.8 31.0 79.2 45.6 20.3</td>
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</tbody>
</table>
Intersection #3305: BIRD/WILLOW

Approach: North Bound | South Bound | East Bound | West Bound
Movement: L - T - R | L - T - R | L - T - R | L - T - R
Min. Green: 7 10 10 | 7 10 10 | 7 10 10 | 7 10 10
Volume Module: > Count Date: 9 Mar 2000 <
Base Vol: 171 281 155 156 944 260 164 417 310 104 303 136
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 171 281 155 156 944 260 164 417 310 104 303 136
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 171 281 155 156 944 260 164 417 310 104 303 136
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 171 281 155 156 944 260 164 417 310 104 303 136
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 171 281 155 156 944 260 164 417 310 104 303 136
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 171 281 155 156 944 260 164 417 310 104 303 136
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
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.: 1750 1900 1750 1750 1900 1750 1750 3800 1750 1750 3800 1750
Capacity Analysis Module:
Vol/Sat: 0.10 0.15 0.09 0.09 0.50 0.15 0.09 0.11 0.18 0.06 0.08 0.08
Crit Moves: **** **** ****
Green Time: 13.7 52.2 60.7 31.4 69.9 83.0 13.2 15.8 29.6 8.6 11.2 42.7
Volume/Cap: 0.85 0.34 0.18 0.34 0.85 0.21 0.85 0.83 0.72 0.83 0.85 0.22
Delay/Veh: 58.9 17.2 12.2 27.4 20.5 5.1 59.7 46.5 35.4 65.7 53.1 20.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFrct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 58.9 17.2 12.2 27.4 20.5 5.1 59.7 46.5 35.4 65.7 53.1 20.6
DesignQueue: 10 11 5 8 30 6 10 25 16 7 19 6
Intersection #3363: CAHILL/SANTA CLARA

Approach: North Bound  South Bound  East Bound  West Bound
Movement: L - T - R  L - T - R  L - T - R  L - T - R
Min. Green: 10 10 10 0 10 10 7 10 10
Volume Module: >> Count Date: 8 Mar 1994 <<
Base Vol: 0 0 0 0 0 0 0 1030 0 0 793 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: 0 0 0 0 0 0 0 1030 0 0 793 66
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Init Fut: 0 0 0 0 0 0 0 0 1030 0 0 793 66
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 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 0 1030 0 0 793 66
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 0 0 0 0 1030 0 0 793 66
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 0 0 0 0 0 0 1030 0 0 793 66
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.03 0.97 0.97 1.03 1.00
Lanes: 1.00 0.00 1.00 0.00 0.00 1.00 0.00 0.00 2.00 0.00 1.00 1.84 0.16
Final Sat.: 1750 0 1750 0 1750 3700 1750 3416 284
Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.28 0.00 0.00 0.23 0.23
Crt Moves: ****
Green Time: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.25 0.25
Delay/Veh: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.4 0.0 0.4 0.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjPctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.4 0.0 0.4 0.4
DesignQueue: 0 0 0 0 0 0 0 6 0 0 4 0
**Intersection #3363: CAHILL/SANTA CLARA**

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<td>1300***</td>
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<th>Cycle Time (sec):</th>
<th>Signal=Protect Rights=Include</th>
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<tr>
<td>3/8/1994</td>
<td>120</td>
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<td>Loss Time (sec):</td>
<td>Critical VIC:</td>
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<th>Average Critical Delay (sec/veh):</th>
<th>Average Delay (sec/veh):</th>
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<tbody>
<tr>
<td>0.4</td>
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| LOS: | A | 1 | 0 *** |

**Approach:**

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<tr>
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<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
<th>Overlap</th>
</tr>
</thead>
<tbody>
<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td></td>
</tr>
<tr>
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<td>10 0 10</td>
<td>0 0 0</td>
<td>0 10 10</td>
<td>7 10 10</td>
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<td>&gt;&gt; Count Date:</td>
<td>8 Mar 1994 &lt;&lt;</td>
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<tr>
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<tr>
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<td></td>
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<td>Initial Veh:</td>
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<tr>
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<td>Initial Fut:</td>
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<td>Reduced Vol:</td>
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<tr>
<td>PCE Adj:</td>
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<td></td>
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<tr>
<td>MLF Adj:</td>
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<tr>
<td>Final Vol.:</td>
<td>0 0 0 0 0 0 0 0 1306 0 0 1006 84</td>
<td></td>
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</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 |
| Lanes: | 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 2.00 0.00 1.00 1.84 0.16 |
| Final Sat.: | 1750 0 1750 0 0 0 0 0 3700 0 1750 3415 285 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.35 0.00 0.00 0.29 0.29 |
| Crit Moves: | **** |

| Green Time: | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.4 0.0 0.0 0.4 0.4 |
| Volume/Cap: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.38 0.00 0.00 0.32 0.32 |
| Delay/Veh: | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.4 0.0 0.0 0.4 0.4 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.4 0.0 0.0 0.4 0.4 |
| DesignQueue: | 0 0 0 0 0 0 0 0 7 0 0 5 0 |

Traffic 7.6.0115  Copyright (c) 2003 Dowling Associates, Inc.  Licensed to Hexagon Trans. San Jose
Intersection #3413: COLEMAN/HEDDING

<table>
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<tr>
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<th>Lanes</th>
<th>Signal=ProtectRights=Overlap</th>
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<th>Final Vol:</th>
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<tbody>
<tr>
<td>282</td>
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<td>2542</td>
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<td>138***</td>
<td>1</td>
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LOS: F

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

Min. Green: 7 10 10 7 10 10 7 10 10

Volume Module: >> Count Date: 29 Oct 1996 <<
Base Vol: 133 952 35 334 2542 282 138 353 147 81 747 288
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 Base: 133 952 35 334 2542 282 138 353 147 81 747 288
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Passer_By Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 133 952 35 334 2542 282 138 353 147 81 747 288
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: 133 952 35 334 2542 282 138 353 147 81 747 288
Reduced Vol: 133 952 35 334 2542 282 138 353 147 81 747 288
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
Final Vol.: 133 952 35 334 2542 282 138 353 147 81 747 288

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1750 3800 1750 1750 3800 1750 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.08 0.25 0.02 0.19 0.67 0.16 0.08 0.09 0.08 0.05 0.20 0.16
Crit Moves: **** **** **** ****
Green Time: 10.7 59.7 72.6 45.5 94.4 105.5 11.1 25.9 36.7 12.9 27.7 73.2
Volume/Cap: 1.11 0.65 0.04 0.65 1.11 0.24 1.11 0.56 0.36 0.56 1.11 0.35
Delay/Veh: 162.0 30.9 17.3 38.9 79.2 7.4 160.4 46.3 38.1 55.8 113 20.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFcwr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 162.0 30.9 17.3 38.9 79.2 7.4 160.4 46.3 38.1 55.8 113 20.1
DesignQueue: 11 55 2 22 106 8 11 26 10 7 56 14
**Intersection #3417: COLEMAN/TAYLOR**

![Traffic Signal Diagram]

**Approach:**

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<tr>
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<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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**Min. Green:**

<table>
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<tr>
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**Volume Module:**

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<tr>
<th>Base Vol:</th>
<th>79 410 22</th>
<th>361 1193 336</th>
<th>123 398 83</th>
<th>25 555 145</th>
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<tbody>
<tr>
<td>Growth Adj:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Initial Bas:</td>
<td>79 410 22</td>
<td>361 1193 336</td>
<td>123 398 83</td>
<td>25 555 145</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0</td>
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<td>ATI:</td>
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<tr>
<td>Initial Fid:</td>
<td>79 410 22</td>
<td>361 1193 336</td>
<td>123 398 83</td>
<td>25 555 145</td>
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<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
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<td>PHF Volume:</td>
<td>79 410 22</td>
<td>361 1193 336</td>
<td>123 398 83</td>
<td>25 555 145</td>
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<td>Reduced Vol:</td>
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<td>0</td>
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<td>79 410 22</td>
<td>361 1193 336</td>
<td>123 398 83</td>
<td>25 555 145</td>
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**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustmen: | 0.97 1.06 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 |
| Lanes: | 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 |
| Final Sat.: | 1750 3800 1750 1750 3800 1750 1750 3800 1750 1750 3800 1750 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.05 0.11 0.01 0.21 0.31 0.19 0.07 0.10 0.05 0.01 0.15 0.08 |
| Crit Moves: | 13.3 36.4 43.4 69.7 92.8 113.5 20.8 56.9 70.2 7.0 43.1 112.8 |
| Volume/Cap: | 0.62 0.54 0.05 0.54 0.62 0.31 0.62 0.33 0.12 0.37 0.62 0.13 |
| Delay/Veh: | 68.1 50.2 40.6 33.9 24.7 12.2 62.3 36.6 27.4 66.5 48.1 10.9 |
| Final Adj/Veh: | 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| DesignQueue: | 7 34 2 24 64 13 11 28 5 2 45 6 |
Intersection #3417: COLEMAN/TAYLOR

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<tr>
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<td>Avg Crit Del (sec/veh):</td>
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<td>Avg Delay (sec/veh):</td>
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<td>LOS:</td>
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<th>Lanes: Final Vol: Signal=Protect Rights=Overlap</th>
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<table>
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<tr>
<th>Approach: North Bound South Bound East Bound West Bound</th>
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<tr>
<td>L - T - R</td>
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<td>Min. Green:</td>
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<td>User Adj:</td>
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<td>PHF Adj:</td>
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<tr>
<td>PCE Adj:</td>
</tr>
<tr>
<td>MLB Adj:</td>
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<tr>
<td>Final Vol:</td>
</tr>
</tbody>
</table>

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 |
| Lanes: 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 |
| Final Sat: 1750 3800 1750 3800 1750 3800 1750 3800 1750 3800 1750 3800 |

| Capacity Analysis Module: Vol/Sat: 0.23 0.12 0.17 0.46 0.24 0.44 0.13 0.14 0.09 0.02 0.20 0.15 |
| Crit Moves: **** **** **** |
| Green Time: 44.8 23.6 30.6 83.6 62.5 85.3 22.8 52.3 97.0 7.0 36.5 120.1 |
| Volume/Cap: 0.93 0.91 1.00 1.00 0.71 0.95 1.00 0.50 0.17 0.51 1.00 0.23 |
| Delay/Veh: 69.7 74.1 97.5 61.4 40.8 49.4 106.7 41.3 16.6 70.0 80.0 9.4 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjPctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: 69.7 74.1 97.5 61.4 40.8 49.4 106.7 41.3 16.6 70.0 80.0 9.4 |
| DesignQueue: 32 41 26 49 66 47 20 41 8 3 65 9 |
Intersection #3417: COLEMAN/TAYLOR

Approach: North Bound | South Bound | East Bound | West Bound
Movement: L - T - R | L - T - R | L - T - R | L - T - R
Min. Green: 7 | 10 | 10 | 7 | 10 | 10 | 7 | 10 | 10
Volume Module: | | | |
Base Vol: 108 | 561 | 30 | 494 | 1634 | 460 | 168 | 545 | 114 | 34 | 760 | 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 Base: 108 | 561 | 30 | 494 | 1634 | 460 | 168 | 545 | 114 | 34 | 760 | 199
Added Vol: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
PasserByVol: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
Initial Fut: 108 | 561 | 30 | 494 | 1634 | 460 | 168 | 545 | 114 | 34 | 760 | 199
User Adj: 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00
PHF Adj: 1.00 | 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 | 561 | 30 | 494 | 1634 | 460 | 168 | 545 | 114 | 34 | 760 | 199
Reduc Vol: 108 | 561 | 30 | 494 | 1634 | 460 | 168 | 545 | 114 | 34 | 760 | 199
Reduced Vol: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
PCE Adj: 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00
MLF Adj: 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00
Final Vol: 108 | 561 | 30 | 494 | 1634 | 460 | 168 | 545 | 114 | 34 | 760 | 199

Saturation Flow Module:
Sat/Lane: 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800
Adjustment: 0.88 | 1.06 | 0.97 | 0.88 | 1.06 | 0.97 | 0.88 | 1.06 | 0.97 | 0.88 | 1.06 | 0.97
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: 3150 | 5700 | 1750 | 3150 | 5700 | 1750 | 3150 | 3800 | 1750 | 3150 | 3800 | 1750

Capacity Analysis Module:
Vol/Sat: 0.03 | 0.10 | 0.02 | 0.16 | 0.29 | 0.26 | 0.05 | 0.14 | 0.07 | 0.01 | 0.20 | 0.11
Crit Moves: **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | **** | ****
Green Time: 10.1 | 36.6 | 43.6 | 58.4 | 84.9 | 100.6 | 15.8 | 68.0 | 78.1 | 7.0 | 59.2 | 117.6
Volume/Cap: 0.61 | 0.49 | 0.07 | 0.49 | 0.61 | 0.48 | 0.61 | 0.38 | 0.15 | 0.28 | 0.61 | 0.18
Delay/Veh: 68.2 | 49.2 | 40.7 | 38.2 | 27.9 | 19.0 | 63.8 | 31.8 | 24.1 | 65.0 | 40.0 | 9.8
Delay Adj: 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00
ProgAdjPtr: 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00
AdjDel/Veh: 68.2 | 49.2 | 40.7 | 38.2 | 27.9 | 19.0 | 63.8 | 31.8 | 24.1 | 65.0 | 40.0 | 9.8
DesignQueue: 10 | 47 | 2 | 35 | 95 | 22 | 16 | 36 | 7 | 3 | 55 | 7
Intersection #3445: DELMAS/PARK

Final Vol: Lanes: 35 191 15**

Vol Ctrl Date: 3/10/1999
Cycle Time (sec): 85
Loss Time (sec): 12
Critical VC: 0.496
Avg Crit Del (sec/veh): 20.5
Avg Delay (sec/veh): 19.6
LOS: C

Approach:

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<tr>
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<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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Min. Green: 10 10 10 10 10 10 0 0 0 7 10 0

Volume Module: >> Count Date: 10 Mar 1999 <<
Base Vol: 132 209 274 19 191 35 0 137 35 42 309 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: 132 209 274 19 191 35 0 137 35 42 309 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 132 209 274 19 191 35 0 137 35 42 309 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: 132 209 274 19 191 35 0 137 35 42 309 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 132 209 274 19 191 35 0 137 35 42 309 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 132 209 274 19 191 35 0 137 35 42 309 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.00 0.88 0.97 0.97 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.39 0.61 2.00 0.08 0.78 0.14 0.00 1.00 1.00 1.00 2.00 0.00
Final Sat.: 697 1103 3150 136 1364 250 0 1900 1750 1750 3800 0

Capacity Analysis Module:
Vol/Sat: 0.19 0.19 0.09 0.14 0.14 0.14 0.00 0.07 0.02 0.02 0.08 0.00
Crit Moves: ****
Green Time: 31.1 31.1 31.1 23.0 23.0 23.0 0.0 11.9 11.9 7.0 18.9 0.0
Volume/Cap: 0.52 0.52 0.24 0.52 0.52 0.52 0.00 0.52 0.14 0.29 0.37 0.00
Delay/Veh: 16.6 16.6 14.2 20.8 20.8 20.8 0.0 27.2 24.4 28.2 21.4 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 16.6 16.6 14.2 20.8 20.8 20.8 0.0 27.2 24.4 28.2 21.4 0.0
DesignQueue: 4 7 8 1 7 1 0 6 1 2 12 0
### Intersection #3445: DELMAS/PARK

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<td>Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PasserByVol: 0 0 0 0 0 0 0 0 0</td>
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<tr>
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<td>Lanes: 0.29 0.71 2.00 0.09 0.74 0.17 0.00 1.00 1.00 1.00 2.00 0.00</td>
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<td>Crit Moves: **** **** **** ****</td>
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<td>Green Time: 21.3 21.3 21.3 34.7 34.7 34.7 0.00 10.0 10.0 7.0 17.0 0.0</td>
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<td>Volume/Cap: 1.40 1.40 0.50 1.40 1.40 1.40 0.00 0.88 0.14 0.55 0.52 0.00</td>
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<td>Delay/Veh: 319.2 319 21.2 310.7 311 310.7 0.00 48.8 25.6 31.8 23.6 0.0</td>
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<td>DesignQueue: 7 18 14 3 24 5 0 8 1 3 15 0</td>
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### Intersection #3445: DELMAS/PARK

![Diagram of traffic signals and volumes](image_url)

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<td>-----------</td>
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<tr>
<td>Min. Green:</td>
<td>10 10 10</td>
<td>10 10 10</td>
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**Volume Module:**
- Count Date: 10 Mar 1999
- Base Vol: 180 451 392
- Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Initial Bse: 180 451 392
- Added Vol: 0 0 0 0 0 0 0 0
- PasserByVol: 0 0 0 0 0 0 0 0
- Initial Fut: 180 451 392
- 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: 180 451 392
- Reduct Vol: 0 0 0 0 0 0 0 0
- Reduced Vol: 180 451 392
- PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- MFL Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Final Vol.: 180 451 392

**Saturation Flow Module:**
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 1.00 1.00 0.88 1.00 1.00 0.97 1.06 0.97 0.97 1.06 0.97
- Lanes: 0.29 0.71 2.00 0.17 1.49 0.34 0.00 1.00 1.00 2.00 0.00
- Final Sat.: 513 1287 3150 313 2679 608 0 1900 1750 1750 3800

**Capacity Analysis Module:**
- Vol/Sat: 0.35 0.35 0.12 0.28 0.28 0.28 0.28 0.10 0.02 0.05 0.10 0.00
- Crit Moves: **** **** ****
- Green Time: 31.2 31.2 31.2 24.8 24.8 24.8 0.0 10.0 41.2 7.0 17.0 0.0
- Volume/Cap: 0.95 0.95 0.34 0.95 0.95 0.95 0.00 0.88 0.03 0.55 0.52 0.00
- Delay/Veh: 37.7 37.7 14.8 35.6 35.6 35.6 0.0 48.8 8.7 31.8 23.6 0.0
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProjAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 37.7 37.7 14.8 35.6 35.6 35.6 0.0 48.8 8.7 31.8 23.6 0.0
- DesignQueue: 6 15 12 3 27 6 0 8 1 3 15 0

---

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**Intersection #3446: DELMAS/SAN CARLOS**

**Approach:**

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<td>10 10 0 0 10</td>
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<td>Base Vol.</td>
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<td>Initial Bae.</td>
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<td>38 335 159 0 644 83 40 634 0</td>
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<td>Added Vol.</td>
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**Satisfaction Flow Module:**

**Capacity Analysis Module:**

| Vol/Sat          | 0.00 0.00 0.00 0.15 0.15 0.15 0.00 0.20 0.20 0.02 0.17 0.00 |            |            |
| Crit Moves       | **** **** **** |            |            |
| Green Time       | 0.0 0.0 0.0 36.9 36.9 36.9 0.0 49.1 49.1 7.0 56.1 0.0 |            |            |
| Volume/Cap       | 0.00 0.00 0.00 0.41 0.41 0.41 0.00 0.41 0.41 0.33 0.30 0.00 |            |            |
| Delay/Veh        | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |            |            |
| Delay Adj        | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |            |            |
| ProgAdjFctr      | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |            |            |
| AdjDel/Veh       | 0.0 0.0 0.0 18.6 18.6 18.6 0.0 13.1 13.1 35.0 9.5 0.0 |            |            |
| DesignQueue      | 0 0 0 1 13 6 0 20 3 2 17 0 |            |            |
Intersection #3446: DELMAS/SAN CARLOS

Final Vol: 44
Lanes: 1

Vol Crit Date: 3/10/1999
Cycle Time (sec): 102
Loss Time (sec): 9
Critical VC: 0.496
Avg Crit Del (sec/veh): 16.6
Avg Delay (sec/veh): 14.4
LOS: B

Approach:
Movement: North Bound South Bound East Bound West Bound

Min. Green:

Volume Module: >> Count Date: 10 Mar 1999 <<
Base Vol:
Growth Adj: 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 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse:
Added Vol:
PasserByVol:
Initial Fut:
User Adj:
PHF Adj:
PCE Adj:
MLF Adj:
Final Vol:

Sat/Lane:
Adjustment:
Lanes:
Final Sat:

Capacity Analysis Module:
Vol/Sat:
Critt Moves:
Green Time:
Volume/Cap:
Delay/Veh:
Delay Adj:
ProgAdjPctr:
AdjDel/Veh:
DesignQueue:

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### Intersection #3466: 11TH/SAN SALVADOR

#### Volume Data

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<td>217 69 0</td>
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<tr>
<td>MLF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Vol.:</td>
<td>121 1066 23</td>
<td>0 0 0</td>
<td>217 69 0</td>
<td>0 0 34 6</td>
</tr>
</tbody>
</table>

#### Saturation Flow Module

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.02 1.00 0.97 1.06 0.97 1.00 1.00 0.97 0.97 1.00 1.00
Lanes: 0.30 2.64 0.06 0.00 0.00 0.00 0.76 0.24 0.00 0.00 0.00 0.85 0.15
Final Sat.: 550 4845 105 0 0 0 1366 434 0 0 1530 270

#### Capacity Analysis Module

Vol/Sat: 0.22 0.22 0.22 0.00 0.00 0.00 0.16 0.16 0.00 0.00 0.02 0.02
Crit Moves: ****
Green Time: 34.3 34.3 34.3 0.0 0.0 0.0 24.7 24.7 0.0 0.0 24.7 24.7
Volume/Cap: 0.42 0.42 0.42 0.00 0.00 0.00 0.42 0.42 0.00 0.00 0.00 0.06 0.06
Delay/Veh: 7.1 7.1 7.1 0.0 0.0 0.0 11.5 11.5 0.0 0.0 9.7 9.7
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 7.1 7.1 7.1 0.0 0.0 0.0 11.5 11.5 0.0 0.0 9.7 9.7
DesignQueue: 2 19 0 0 0 5 2 0 0 1 0

Traffic: 7.6.0115

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Intersection #3467: 11TH/TAYLOR

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 10 0 0 0 0 0 10 10 0 0 10 10 10

Volume Module: >> Count Date: 21 Mar 2001 <<

Base Vol: 46 332 77 0 0 0 27 623 0 0 461 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 1.00 1.00 1.00 1.00
Initial Bse: 46 332 77 0 0 0 27 623 0 0 461 30
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 46 332 77 0 0 0 27 623 0 0 461 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 1.00 1.00 1.00 1.00
PHF Adj: 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 1.00
PHF Volume: 46 332 77 0 0 0 27 623 0 0 461 30
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 46 332 77 0 0 0 27 623 0 0 461 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 1.00 1.00 1.00 1.00
MLF Adj: 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 1.00
Final Vol: 46 332 77 0 0 0 27 623 0 0 461 30

Capacity Analysis Module:

Vol/Sat: 0.08 0.18 0.08 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.27 0.27 0.27 0.00 0.00
Crt Moves: **** ****
Green Time: 11.9 11.9 11.9 0.0 0.0 0.0 47.1 47.1 0.0 0.0 47.1 47.1
Volume/Cap: 0.45 0.45 0.45 0.00 0.00 0.00 0.02 0.45 0.00 0.00 0.38 0.38
Delay/Veh: 18.2 18.2 18.2 0.0 0.0 0.0 1.9 3.0 0.0 0.0 2.7 2.7
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fct: 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 1.00
AdjDel/Veh: 18.2 18.2 18.2 0.0 0.0 0.0 1.9 3.0 0.0 0.0 2.7 2.7
Design Queue: 1 10 2 0 0 0 0 7 0 0 5 0
Level of Service Computation Report
1985 HCM Operations (Future Volume Alternative)
Existing (PM)

Intersection #3468: 11TH/EMPIRE

Final Vol.: 0 0 0 0
Lanes:
0 0 0 0

Signal=Split/Rights=Include

Vol Ctrl Date: 2/14/2002
Cycle Time (sec): 65

Sign=Permit Rights=Include

Lanes: Final Vol.
0 17

Loss Time (sec): 6
Critical VC: 0.202

Avg Crit Del (sec/veh): 8.4

Avg Delay (sec/veh): 8.3

LOS: B

Lanes: Final Vol.
0 1 1 1

Approach:
Movement:

Min. Green:

Volume Module: >> Count Date: 14 Feb 2002 << 4:30=5:30PM
Base Vol:
Growth Adj:
Initial Bse:
Added Vol:
ATI:
Initial Fut:
User Adj:
PHE Adj:
PHE Volume:
Reduc Vol:
Reduced Vol:
PCE Adj:
MLF Adj:
Final Vol:

Sat/Lane:
Adjustment:
Lanes:
Final Sat:

Capacity Analysis Module:
Vol/Sat:
Cmpt Moves:

Green Time:
Volume/Cap:
Delay/Veh:
Delay Adj:
Prog Adj Fct:
Adj Del/Veh:
Design Queue:

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Intersection #3468: 11TH/EMPIRE

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

Min. Green:

Volume Module: >> Count Date: 14 Feb 2002 << 4:30-5:30PM
Base Vol:
Growth Adj:
Initial Bse:
Added Vol:
PasserByVol:
Initial Fut:
User Adj:
PHF Adj:
PHF Volume:
Reduc Vol:
Reduced Vol:
PCE Adj:
MLF Adj:
Final Vol.:

Sat/Lane:
Adjustment:
Lanes:
Final Sat.:

Capacity Analysis Module:
Vol/Sat:
Crit Moves:
Green Time:
Volume/Cap:
Delay/Veh:
Delay Adj:
ProgAdjFctr:
AdjDel/Veh:
DesignQueue:
Intersection #3469: 11TH/HEADING

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

Min. Green: 10 10 0 0

Volume Module: >> Count Date: 24 Oct 2000 <<
Base Vol: 222 217 0 0 0 0 0 0 0 0 960 0 0 674 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 1.00
Initial Bae: 222 217 0 0 0 0 0 0 0 0 960 0 0 674 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 222 217 0 0 0 0 0 0 0 0 674 0 0 674 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 1.00
PHF Adj: 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: 222 217 0 0 0 0 0 0 0 0 960 0 0 674 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 222 217 0 0 0 0 0 0 0 0 960 0 0 674 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 1.00
MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 222 217 0 0 0 0 0 0 0 0 674 0 0 674 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.88 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 2.00 0.00 1.00 0.00 0.00 0.00 0.00 2.00 0.00 0.00 2.00 0.00
Final Sat: 3150 1750 0 0 0 0 0 3800 0 0 3800 0

Capacity Analysis Module:
Vol/Sat: 0.07 0.00 0.12 0.00 0.00 0.00 0.00 0.25 0.00 0.00 0.18 0.00
Green Time: 30.9 0.0 30.9 0.0 0.0 0.0 0.0 0.0 63.1 0.0 0.0 63.1 0.0
Volume/Cap: 0.23 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.28 0.00
Delay/Veh: 19.5 0.0 21.0 0.0 0.0 0.0 0.0 0.0 7.0 0.0 0.0 6.3 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 19.5 0.0 21.0 0.0 0.0 0.0 0.0 0.0 7.0 0.0 0.0 6.3 0.0
DesignQueue: 9 0 9 0 0 0 0 21 0 0 15 0
Intersection #3472: 11TH/KEYES

Approach: 
North Bound | South Bound | East Bound | West Bound |
---|---|---|---|
Movement: 
Min. Green: | | | |
Volume Module: | | | |
Base Vol: | | | |
Growth Adj: | | | |
Initial Base: | | | |
Added Vol: | | | |
PasserByVol: | | | |
Initial Fut: | | | |
User Adj: | | | |
PHF Adj: | | | |
PHF Volume: | | | |
Reduct Vol: | | | |
Reduced Vol: | | | |
FCE Adj: | | | |
MLF Adj: | | | |
Final Vol.: | | | |
Saturation Flow Module: 
Sat/Lane: | | | |
Adjustment: | | | |
Lanes: | | | |
Final Sat.: | | | |
Capacity Analysis Module: 
Vol/Sat: | | | |
Crit Moves: | | | |
Volume/Cap: | | | |
Delay/Veh: | | | |
Delay Adj: | | | |
ProgAdj/Fctr: | | | |
AdjDel/Veh: | | | |
DesignQueue: | | | |

Level Of Service Computation Report
1985 HCM Operations (Future Volume Alternative)
Future (P8)
**Intersection #3473: 11TH/REED**

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>Lanes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>0</td>
</tr>
<tr>
<td>42</td>
<td>0</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Approach:**

**Movement:** | **North Bound** | **South Bound** | **East Bound** | **West Bound**
----------------|-----------------|-----------------|----------------|-----------------|
|                | L - T - R     | L - T - R     | L - T - R     | L - T - R     |
| Min. Green:    | 10 10 10 0    | 0 0 0 0       | 0 0 0 0       | 0 0 0 0       |
| Volume Module: | >> Count Date: 21 Feb 2002 << 5:00-6:00PM | | | |
| Base Vol:      | 58 979 40     | 0 0            | 0 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 1.00 |
| Initial Bse:   | 58 979 40     | 0 0            | 0 0            | 0 0            |
| Added Vol:     | 0 0 0 0          | 0 0            | 0 0            | 0 0            |
| PasserByVol:   | 0 0 0 0          | 0 0            | 0 0            | 0 0            |
| Initial Fut:   | 58 979 40     | 0 0            | 0 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 1.00 |
| PHF Adj:       | 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:    | 58 979 40     | 0 0            | 0 0            | 0 0            |
| Reduct Vol:    | 0 0 0 0          | 0 0            | 0 0            | 0 0            |
| Reduced Vol:   | 58 979 40     | 0 0            | 0 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 1.00 |
| MLF Adj:       | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Final Vol:     | 58 979 40     | 0 0            | 0 0            | 0 0            |

**Saturation Flow Module:**

| Sat/Lane:         | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment:       | 1.00 1.00 1.00 0.97 1.06 0.97 1.00 0.97 0.97 1.00 1.00 |
| Lanes:            | 0.11 1.82 0.07 0.00 0.00 0.00 0.00 0.53 0.47 0.00 0.00 0.78 0.22 |
| Final Sat.:       | 194 3272 134 0 0 0 951 849 0 0 1400 400 |

**Capacity Analysis Module:**

| Vol/Sat:          | 0.30 0.30 0.30 0.00 0.00 0.00 0.00 0.05 0.05 0.05 0.00 0.00 0.02 0.02 |
| Crit Moves:       | **** **** |
| Green Time:       | 67.8 67.8 67.8 67.8 0.0 0.0 0.0 11.2 11.2 0.0 0.0 11.2 11.2 |
| Volume/Cap:       | 0.38 0.38 0.38 0.00 0.00 0.00 0.38 0.38 0.38 0.00 0.00 0.11 0.11 |
| Delay/Veh:        | 1.9 1.9 1.9 0.0 0.0 0.0 26.1 26.1 0.0 0.0 24.7 24.7 |
| Delay Adj:        | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr:      | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh:       | 1.9 1.9 1.9 0.0 0.0 0.0 26.1 26.1 0.0 0.0 24.7 24.7 |
| DesignQueue:      | 1 10 0 0 0 0 0 2 2 0 0 1 0 |

**Level Of Service Computation Report**

- 1985 HCM Operations (Future Volume Alternative)
- Future (PM)
Intersection #3474: 11TH/SAN ANTONIO

Final Vol: 44
Lanes: 1

Final Vol: 51
Lanes: 0

Final Vol: 0
Lanes: 0

Approach:

Min. Green: 10 10 10

Volume Module: >> Count Date: 24 Jan 2001 <<

Base Vol: 144 1509
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 144 1509
Added Vol: 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0

RPA: 144 1509
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHE Volume: 144 1509
Reduct Vol: 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 144 1509
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 144 1509

Sat/Lane: 1800 1800
Adjustment: 1.00 1.00 1.06 0.97 1.00 0.97 1.00 1.00 1.00
Lanes: 0.26 0.26 0.09 0.00 0.00 0.00 0.46 0.54 0.00 0.00 0.50 0.50
Final Sat.: 465 4876

Capacity Analysis Module:

Vol/Sat: 0.31 0.31 0.31 0.00 0.00 0.00 0.05 0.05 0.00 0.00 0.33 0.33
Crit Moves: ****

Green Time: 49.0 49.0 49.0
Volume/Cap: 0.41 0.41 0.41 0.00 0.00 0.00 0.34 0.34 0.00 0.00 0.19 0.19
Delay/Veh: 2.2 2.2 2.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Program/Trk: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj/Veh: 2.2 2.2 2.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Design Queue: 1 15 0 0 0 0 1 2 0 0 1 1

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Intersection #3476: 11TH/SAN FERNANDO

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

Min. Green: 10 10 10 0 0 0 10 10 0 0 10 10 10

Volume Module: >> Count Date: 22 Feb 2001 <<
Base Vol: 518 673 38 0 0 0 76 98 0 0 97 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 Bee: 518 673 38 0 0 0 76 98 0 0 97 18
Added Vol: 0 0 0 0 0 0 0 0 0 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
FH Volume: 518 673 38 0 0 0 76 98 0 0 97 18
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 518 673 38 0 0 0 76 98 0 0 97 18

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

Final Vol: 518 673 38 0 0 0 76 98 0 0 97 18

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.03 1.00 0.97 1.06 0.97 1.00 0.97 0.97 1.00 0.97 1.00
Lanes: 1.00 1.89 0.11 0.00 0.00 0.00 0.00 0.44 0.00 0.00 0.00 0.00
Final Sat.: 1800 3516 199 0 0 0 786 1014 0 0 1518 282

Capacity Analysis Module:
Vol/Sat: 0.29 0.19 0.19 0.00 0.00 0.00 0.10 0.10 0.00 0.00 0.00 0.06 0.06
Crd Moves: ****
Green Time: 44.2 44.2 44.2 14.8 14.8 14.8 14.8 14.8 14.8 14.8 14.8 14.8
Volume/Cap: 0.42 0.28 0.28 0.00 0.00 0.00 0.42 0.42 0.00 0.00 0.28 0.28
Delay/Veh: 3.6 3.1 3.1 0.0 0.0 0.0 16.7 16.7 0.0 0.0 0.0 0.0 15.8 15.8
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Prog Adj Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 3.6 3.1 3.1 0.0 0.0 0.0 16.7 16.7 0.0 0.0 0.0 0.0 15.8 15.8
Design Queue: 6 8 0 0 0 0 2 3 0 0 3 1

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Intersection #3478: 11TH/SAN FERNANDO

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

Min. Green: 10 10 10 0 0 0 10 10 0 0 10 10 0 0 10 10

Volume Module: >> Count Date: 22 Feb 2001 <<
Base Vol: 732 906 48 0 0 0 97 126 0 0 125 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: 732 906 48 0 0 0 97 126 0 0 125 23
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Puf: 732 906 48 0 0 0 97 126 0 0 125 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: 732 906 48 0 0 0 97 126 0 0 125 23
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 732 906 48 0 0 0 97 126 0 0 125 23
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 732 906 48 0 0 0 97 126 0 0 125 23

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 1.00 0.97 1.06 0.97 1.00 0.97 0.97 1.00 1.00
Lanes: 1.00 1.90 0.10 0.00 0.00 0.00 0.43 0.57 0.00 0.00 0.84 0.16
Final Sat.: 1750 3514 186 0 0 0 783 1017 0 0 1520 280

Capacity Analysis Module:
Vol/Sat: 0.42 0.26 0.26 0.00 0.00 0.00 0.12 0.12 0.00 0.00 0.08 0.08
Critt Moves: ****
Green Time: 60.9 60.9 60.9 0.0 0.0 0.0 18.1 18.1 0.0 0.0 18.1 18.1
Volume/Cap: 0.58 0.36 0.36 0.00 0.00 0.00 0.58 0.58 0.00 0.00 0.39 0.39
Delay/Veh: 5.0 3.5 3.5 0.0 0.0 0.0 24.5 24.5 0.0 0.0 22.2 22.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PropAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 5.0 3.5 3.5 0.0 0.0 0.0 24.5 24.5 0.0 0.0 22.2 22.2
DesignQueue: 11 13 1 0 0 0 4 5 0 0 5 1
## Traffic Analysis

### Intersection #3477: 11TH/SANTA CLARA

**Final Vol:**
- **Signal=Split/Rights=Include**
- **Lanes:**
  - 0
  - 0
  - 0

**Vol Crtd Date:** 2/22/2001
- **Cycle Time (sec):** 75
- **Loss Time (sec):** 9
- **Critical V/C:** 0.442
- **Avg Crit Del (sec/veh):** 14.0
- **Avg Delay (sec/veh):** 11.9

**Lanes:**
- **Final Vol:**
  - 0
  - 0

**Approach:**
- **North Bound**
  - **Movement:** L - T - R
  - **Min. Green:** 10 10 10 0 0 0 7 10 0 0 10 10
- **South Bound**
  - **Movement:** L - T - R
  - **Volume Module:** >> Count Date: 22 Feb 2001 <<
  - **Base Vol:** 159 486 184 0 0 0 91 824 0 0 643 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 Bas:** 159 486 184 0 0 0 91 824 0 0 643 47
  - **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **ATI:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **Initial Fut:** 159 486 184 0 0 0 91 824 0 0 643 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:** 159 486 184 0 0 0 91 824 0 0 643 47
  - **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **Reduced Vol:** 159 486 184 0 0 0 91 824 0 0 643 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
  - **Final Vol:** 159 486 184 0 0 0 91 824 0 0 643 47

**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 1.00 1.03 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.03 1.00
- **Lanes:** 0.58 1.74 0.68 0.00 0.00 0.00 1.00 2.00 0.00 0.00 1.86 0.14
- **Final Sat.:** 1055 3224 1220 0 0 0 1750 3800 0 0 3448 252

**Capacity Analysis Module:**
- **Vol/Sat:** 0.15 0.15 0.15 0.00 0.00 0.00 0.05 0.22 0.00 0.00 0.19 0.19
- **Crit Moves:** **** **** ****
- **Green Time:** 25.6 25.6 25.6 0.0 0.0 0.0 8.8 40.4 0.0 0.0 31.6 31.6
- **Volume/Cap:** 0.44 0.44 0.44 0.00 0.00 0.00 0.44 0.44 0.00 0.00 0.44 0.44
- **Delay/Veh:** 14.7 14.7 14.7 0.0 0.0 0.0 24.4 7.8 0.0 0.0 11.9 11.9
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 14.7 14.7 14.7 0.0 0.0 0.0 24.4 7.8 0.0 0.0 11.9 11.9
- **DesignQueue:** 5 14 15 0 0 0 3 17 0 0 16 1
### Intersection #3479: 11TH/ST. JOHN

**Final Vol.**

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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**Volume Module:**

- **Base Vol:**
  - North: 68 612 43
  - South: 68 612 43
  - East: 68 612 43
  - West: 68 612 43

- **Growth Adj:**
  - North: 1.00 1.00 1.00 1.00
  - South: 1.00 1.00 1.00 1.00
  - East: 1.00 1.00 1.00 1.00
  - West: 1.00 1.00 1.00 1.00

- **Initial Bse:**
  - North: 37 112
  - South: 37 112
  - East: 37 112
  - West: 37 112

- **ATI:**
  - North: 0
  - South: 0
  - East: 0
  - West: 0

- **User Adj:**
  - North: 1.00 1.00 1.00 1.00
  - South: 1.00 1.00 1.00 1.00
  - East: 1.00 1.00 1.00 1.00
  - West: 1.00 1.00 1.00 1.00

- **PHF Adj:**
  - North: 1.00 1.00 1.00 1.00
  - South: 1.00 1.00 1.00 1.00
  - East: 1.00 1.00 1.00 1.00
  - West: 1.00 1.00 1.00 1.00

- **PHF Volume:**
  - North: 68 612 43
  - South: 68 612 43
  - East: 68 612 43
  - West: 68 612 43

- **Reduced Vol:**
  - North: 0
  - South: 0
  - East: 0
  - West: 0

- **PCU Adj:**
  - North: 1.00 1.00 1.00 1.00
  - South: 1.00 1.00 1.00 1.00
  - East: 1.00 1.00 1.00 1.00
  - West: 1.00 1.00 1.00 1.00

- **MLF Adj:**
  - North: 1.00 1.00 1.00 1.00
  - South: 1.00 1.00 1.00 1.00
  - East: 1.00 1.00 1.00 1.00
  - West: 1.00 1.00 1.00 1.00

- **Final Vol:**
  - North: 68 612 43
  - South: 68 612 43
  - East: 68 612 43
  - West: 68 612 43

**Saturation Flow Module:**

- **Sat/Lane:**
  - North: 1800 1800
  - South: 1800 1800
  - East: 1800 1800
  - West: 1800 1800

- **Adjustment:**
  - North: 1.00 1.02 1.00 0.97 1.06
  - South: 0.97 1.00 1.00 0.97 1.00
  - East: 0.97 1.00 1.00 0.97 1.00
  - West: 1.00 1.00 1.00 1.00 1.00

- **Lanes:**
  - North: 0.29 2.53 0.18
  - South: 0.00 0.00 0.00
  - East: 0.25 0.75 0.00
  - West: 0.00 0.83 0.17

- **Final Sat.:**
  - North: 517 4655 327
  - South: 0 0 0
  - East: 447 1353 0
  - West: 0 1487 313

**Capacity Analysis Module:**

- **Vol/Sat:**
  - North: 0.13 0.13
  - South: 0.00 0.00
  - East: 0.08 0.08
  - West: 0.00 0.00

- **Crit Moves:**
  - North: ****
  - South: 36.2 36.2
  - East: 0.0 0.0
  - West: 22.8 22.8

- **Volume/Cap:**
  - North: 0.24 0.24
  - South: 0.24 0.24
  - East: 0.24 0.24
  - West: 0.24 0.24

- **Delay/Veh:**
  - North: 5.6 5.6
  - South: 5.6 5.6
  - East: 11.4 11.4
  - West: 0.0 0.0

- **Delay Adj:**
  - North: 1.00 1.00
  - South: 1.00 1.00
  - East: 1.00 1.00
  - West: 1.00 1.00

- **Prog Adj Fctr:**
  - North: 1.00 1.00
  - South: 1.00 1.00
  - East: 1.00 1.00
  - West: 1.00 1.00

- **Adj Del/Veh:**
  - North: 5.6 5.6
  - South: 5.6 5.6
  - East: 11.4 11.4
  - West: 0.0 0.0

- **Design Queue:**
  - North: 1 10
  - South: 1 10
  - East: 1 10
  - West: 2 0
Intersection #3479: 11TH/ST. JOHN

<table>
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<tr>
<th>Final Vol:</th>
<th>Lanes:</th>
<th>Signal=Permit Rights=Include</th>
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<td>75</td>
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<td>205***</td>
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Vol Ctrl Date: 3/4/1999
Cycle Time (sec): 65
Loss Time (sec): 6
Critical VIC: 1.122
Avg Crit Del (sec/veh): 80.0
Avg Delay (sec/veh): 56.4

Approach:

<table>
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<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
<td>L - T - R</td>
<td>10 10 10</td>
<td>10 10 10</td>
<td>10 10 10</td>
<td>10 10 10</td>
</tr>
</tbody>
</table>

Min. Green: | 10 | 10 | 10 | 10 |
Volume Module: >> Count Date: 4 Mar 1999 <<
Base Vol: 62 560 40 20 1354 46 75 205 82 48 139 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 Base: 62 560 40 20 1354 46 75 205 82 48 139 15
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Passer By Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 62 560 40 20 1354 46 75 205 82 48 139 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: 62 560 40 20 1354 46 75 205 82 48 139 15
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 62 560 40 20 1354 46 75 205 82 48 139 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
Final Vol.: 62 560 40 20 1354 46 75 205 82 48 139 15

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.09 0.85 0.06 0.01 0.96 0.03 0.21 0.56 0.23 0.24 0.69 0.07
Final Sat.: 164 1480 106 25 1699 57 363 991 369 416 1204 130

Capacity Analysis Module:
Vol/Sat: 0.38 0.38 0.38 0.81 0.81 0.81 0.21 0.21 0.21 0.12 0.12 0.12
Crit Moves: ****
Green Time: 47.0 47.0 47.0 47.0 47.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0
Volume/Cap: 0.52 0.52 0.52 1.12 1.12 1.12 1.12 1.12 1.12 0.63 0.63 0.63
Delay/Veh: 3.4 3.4 3.4 73.6 73.6 73.6 105.0 105.0 105.0 21.2 21.2 21.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Prog Adj Fct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 3.4 3.4 3.4 73.6 73.6 73.6 105.0 105.0 105.0 21.2 21.2 21.2
Design Queue: 1 6 0 0 17 1 2 6 3 1 4 0
Intersection #3480: 11TH/WILLIAM

Final Vol: Lanes: 0 0 0 0

Vol Crit Date: Cycle Time (sec): 2202002

Lanes: Final Vol: 0 32

Loss Time (sec): 6

Critical VC: 0.772

Avg Crit Del (sec/veh): 10.4

Avg Delay (sec/veh): 11.6

LOS: B

Lanes: Final Vol: 134 1709 111

Approach: North Bound South Bound East Bound West Bound

Min. Green: 10 10 0 0 0 0

Volume Module: Count Date: 20 Feb 2002 << 5:00-6:00PM

Base Vol: 134 1709 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

Initial Bse: 134 1709 111

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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

Initial Fut: 134 1709 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

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: 134 1709 111

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

Reduced Vol: 134 1709 111

FCE 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

Final Vol: 134 1709 111

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800

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

Lanes: 0.14 1.75 0.11 0.00 0.00 0.00 0.49 0.51 0.00 0.00 0.86 0.14

Final Sat.: 247 3149 205 0 0 0 889 911 0 0 1553 247

Capacity Analysis Module:

Vol/Sat: 0.54 0.54 0.54 0.00 0.00 0.00 0.17 0.17 0.00 0.00 0.13 0.13

Crit Moves:

Green Time: 59.8 59.8 59.8 0.0 0.0 0.0 19.2 19.2 0.0 0.0 19.2 19.2

Volume/Cap: 0.77 0.77 0.77 0.00 0.00 0.00 0.77 0.77 0.00 0.00 0.57 0.57

Delay/Veh: 7.3 7.3 7.3 0.0 0.0 0.0 29.5 29.5 0.0 0.0 23.7 23.7

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

ProgAdjFct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 7.3 7.3 7.3 0.0 0.0 0.0 29.5 29.5 0.0 0.0 23.7 23.7

Design Queue: 2 28 2 0 0 0 6 6 0 0 8 1
Intersection #3481: EMPIRE/10TH

Approach:  
North Bound  South Bound  East Bound  West Bound

Movement:  L - T - R  L - T - R  L - T - R  L - T - R

Min. Green: 0 0 0 0 10 10 10 10 10 10 10 0

Volume Module: >> Count Date: 14 Feb 2002 << 4:30-5:00PM

Base Vol: 0 0 0 0 56 1215 30 0 0 110 44 49 62 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 0

Initial Bse: 0 0 0 0 56 1215 30 0 0 110 44 49 62 0

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0

ATI: 0 0 0 0 0 0 0 0 0 0 0 0 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 1.00

PHF Volume: 0 0 0 0 56 1215 30 0 0 110 44 49 62 0

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

Reduced Vol: 0 0 0 0 56 1215 30 0 0 110 44 49 62 0

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

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

Final Vol: 0 0 0 0 56 1215 30 0 0 110 44 49 62 0

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 1.00 0.97

Lanes: 0.00 0.00 0.00 0.13 2.80 0.07 0.00 0.71 0.29 0.44 0.56 0.00

Final Sat: 0.00 0.00 0.00 237 5136 127 0 1286 514 795 1005 0

Capacity Analysis Module:

Vol/Sat: 0.00 0.00 0.00 0.24 0.24 0.24 0.00 0.09 0.09 0.06 0.06 0.00

Crit Moves: ****

Green Time: 0.0 0.0 0.0 43.3 43.3 43.3 0.0 15.7 15.7 15.7 15.7 0.0

Volume/Cap: 0.00 0.00 0.00 0.35 0.35 0.35 0.00 0.35 0.35 0.26 0.26 0.00

Delay/Veh: 0.0 0.0 0.0 3.6 3.6 3.6 0.0 15.8 15.8 15.2 15.2 0.0

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

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 0.0 0.0 0.0 3.6 3.6 3.6 0.0 15.8 15.8 15.2 15.2 0.0

DesignQueue: 0 0 0 1 16 0 0 3 1 1 2 0
## Intersection #3485: FIFTH/REED

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<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
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<td>Reduct Vol.</td>
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<td>Vol/Sat:</td>
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<td>Green Time:</td>
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Intersection #3488: FIFTH/REED

Approach:  
Movement:  
North Bound  
South Bound  
East Bound  
West Bound  

Min. Green: 10 10 10 10 10 10 0 0 0 0 10 10

Volume Module: >> Count Date: 19 Sep 2002 << 5:00-6:00 PM
Base Vol: 430 70 16 45 0 74 31 507 0 3 389 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: 430 70 16 45 0 74 31 507 0 3 389 38
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 430 70 16 45 0 74 31 507 0 3 389 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: 430 70 16 45 0 74 31 507 0 3 389 38
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 430 70 16 45 0 74 31 507 0 3 389 38
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 430 70 16 45 0 74 31 507 0 3 389 38

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.98 1.00 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 0.97 0.97
Lanes: 1.72 0.28 1.00 1.00 0.00 1.00 1.00 1.00 0.00 0.01 0.90 0.90
Final Sat.: 3053 497 1750 1750 0 1750 1750 1900 0 12 1583 155

Capacity Analysis Module:
Vol/Sat: 0.14 0.14 0.01 0.03 0.00 0.04 0.02 0.27 0.00 0.25 0.25 0.25
Crit Moves: **** ****
Green Time: 17.6 17.6 17.6 10.0 0.0 10.0 33.4 33.4 0.0 33.4 33.4 33.4
Volume/Cap: 0.56 0.56 0.04 0.18 0.00 0.30 0.04 0.56 0.00 0.52 0.52 0.52
Delay/Veh: 17.9 17.9 15.0 20.1 0.0 20.6 7.4 10.5 0.0 10.1 10.1 10.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 17.9 17.9 15.0 20.1 0.0 20.6 7.4 10.5 0.0 10.1 10.1 10.1
DesignQueue: 13 2 0 2 0 2 1 11 0 0 8 1
### Intersection #3491: FIRST/ST. JAMES

#### Approach: North Bound

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<td>Initial Fut:</td>
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#### Movement: West Bound

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#### Delay/Veh:

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#### Design Queue:

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Trakflow 7.6.0115

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Intersection #3491: FIRST/ST. JAMES

Approach:

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<th>West Bound</th>
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<tr>
<td>Reduct Vol:</td>
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<td>Reduced Vol:</td>
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<td>0 549 69</td>
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<td>174 1578</td>
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</tr>
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</table>

Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjust:   | 0.97 1.06 0.97 1.06 0.97 0.97 1.00 1.03 0.97 0.97 1.06 0.97 |
| Lanes:    | 0.00 1.00 0.00 0.00 0.00 0.00 0.20 1.80 0.00 0.00 0.00 0.00 |
| Final Sat.| 0 1900 1750 0 0 0 367 3332 0 0 0 0 |

Capacity Analysis Module:

| Vol/Sat: | 0.00 0.29 0.04 0.00 0.00 0.00 0.00 0.47 0.47 0.00 0.00 0.00 |
| Crit Moves: | **** **** |
| Green Time: | 0.0 35.6 35.6 0.0 0.0 0.0 0.0 58.4 58.4 0.0 0.0 0.0 |
| Volume/Cap: | 0.00 0.81 0.11 0.00 0.00 0.00 0.00 0.81 0.81 0.00 0.00 0.00 |
| Delay/Veh: | 0.0 27.3 16.4 0.0 0.0 0.0 0.0 14.2 14.2 0.0 0.0 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 27.3 16.4 0.0 0.0 0.0 0.0 14.2 14.2 0.0 0.0 0.0 |
| DesignQueue: | 0 21 2 0 0 0 5 42 0 0 0 0 |
Intersection #3508: FIRST/REED

**Approach:**

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**Min. Green:**

|          | 7 10 10 | 7 10 10 | 0 0 10 | 10 0 10 |

**Volume Module:**

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<td>Initial Bse: 89 417 43</td>
<td>33 1150 66</td>
</tr>
<tr>
<td>Added Vol: 0 0 0 0 0 0 0 0 0 0</td>
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</tr>
<tr>
<td>ATI: 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Initial Fut: 89 417 43</td>
<td>33 1150 66</td>
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<tr>
<td>User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td>PHF Vol: 89 417 43</td>
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<tr>
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<td>33 1150 66</td>
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<td>33 1150 66</td>
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**Saturation Flow Module:**

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.03 1.00 0.97 1.03 1.00 0.97 1.06 0.97 1.06 0.97 |
| Lanes: 1.00 1.81 0.19 1.00 1.89 0.11 0.00 0.00 1.00 1.00 0.00 1.00 |
| Final Sat.: 1750 3354 346 1750 3499 201 0 0 1750 1750 0 1750 |

**Capacity Analysis Module:**

| Vol/Sat: 0.05 0.12 0.12 0.02 0.33 0.33 0.00 0.00 0.00 0.22 0.00 0.09 |
| Crit Moves: **** **** **** |
| Green Time: 8.6 57.2 57.2 7.0 55.6 55.6 0.0 0.0 0.0 36.8 0.0 43.8 |
| Volume/Cap: 0.65 0.24 0.24 0.30 0.65 0.65 0.00 0.00 0.00 0.65 0.00 0.23 |
| Delay/Veh: 44.4 11.0 11.0 37.8 15.8 15.8 0.0 0.0 0.0 25.4 0.0 16.7 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjPctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: 44.4 11.0 11.0 37.8 15.8 15.8 0.0 0.0 0.0 25.4 0.0 16.7 |
| DesignQueue: 5 13 1 2 38 2 0 0 0 16 0 6 |
Intersection #3510: FIRST/SAN CARLOS

Approach:

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<td>63 362</td>
<td>80 1 276 48</td>
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<td>Initial Fut:</td>
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<td>1.00 1.00</td>
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Saturation Flow Module:

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Capacity Analysis Module:

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<tr>
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### Intersection #3514: FIRST/SECOND

#### Signal=Permit/Rights=Include

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#### Approach: North Bound | South Bound | East Bound | West Bound

<table>
<thead>
<tr>
<th>Movement:</th>
<th>L - T - R</th>
<th>L - T - R</th>
<th>L - T - R</th>
<th>L - T - R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Green:</td>
<td>0 10 10 0 10</td>
<td>0 10 0 0 0</td>
<td>0 10 0</td>
<td>0 10 0</td>
</tr>
<tr>
<td>Volume Module: &gt;&gt; Count Date: 22 Mar 2000 &lt;&lt;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base Vol:</td>
<td>0 476 385 0 748 0 0 0 0</td>
<td>0 1103 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Growth Adj:</td>
<td>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 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial Base:</td>
<td>0 476 385 0 748 0 0 0 0</td>
<td>0 1103 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0 0 0 0</td>
<td></td>
<td></td>
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<tr>
<td>ATI:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
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<tr>
<td>Initial Fut:</td>
<td>0 476 385 0 748 0 0 0 0</td>
<td>0 1103 0</td>
<td></td>
<td></td>
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<tr>
<td>User Adj:</td>
<td>1.00 1.00 0.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
<td></td>
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<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 0.00 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</td>
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<tr>
<td>PHF Volume:</td>
<td>0 476 0 0 0 0 0 0 0</td>
<td>0 1103 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduce Vol:</td>
<td>0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0 0 0 0</td>
<td></td>
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<tr>
<td>Reduced Vol:</td>
<td>0 476 0 0 0 0 0 0 0</td>
<td>0 1103 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCE Adj:</td>
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<tr>
<td>MLC Adj:</td>
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<tr>
<td>Final Vol:</td>
<td>0 476 0 0 0 0 0 0 0</td>
<td>0 1103 0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Saturation Flow Module:

| Adjustment: | 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 0.97 |
| Lanes: | 0.00 2.00 1.00 0.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Final Sat.: | 0 3800 1750 0 3800 0 0 0 0 0 0 0 0 1900 0 |

#### Capacity Analysis Module:

| Vol/Sat: | 0.00 0.13 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.58 0.00 |
| Crit Moves: | **** |
| Green Time: | 0.0 10.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 48.5 0.0 |
| Volume/Cap: | 0.00 0.78 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.78 0.00 |
| Delay/Veh: | 0.0 24.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.8 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 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 1.00 |
| AdjDel/Veh: | 0.0 24.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5.8 0.0 |
| DesignQueue: | 0 15 0 0 0 0 0 0 0 0 0 0 0 12 0 |
### Intersection #3519: FIRST/TAYLOR

**Signal=Protect/Right=Include**

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>150</th>
<th>371</th>
</tr>
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<tbody>
<tr>
<td>Lanes:</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**Vol/Crit Date:** 2/13/1999

**Cycle Time (sec):** 151

<table>
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<tr>
<th>Final Vol:</th>
<th>43</th>
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<tbody>
<tr>
<td>Lanes:</td>
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**Critical V/C:** 0.955

<table>
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<tr>
<th>Avg Crit Del (sec/veh):</th>
<th>51.2</th>
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</thead>
<tbody>
<tr>
<td>Final Vol:</td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Loss:</th>
<th>E</th>
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</thead>
<tbody>
<tr>
<td>Final Vol:</td>
<td>108</td>
</tr>
<tr>
<td>Lanes:</td>
<td>362</td>
</tr>
</tbody>
</table>

**Approach:**

<table>
<thead>
<tr>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
</tbody>
</table>

**Min. Green:**

| 7 | 10 | 10 |
| 7 | 10 | 10 |

**Volume Module:**

| Count Date: | 13 Feb 1999 |

**Base Vol:**

| 108 | 362 | 33 | 317 | 558 | 150 | 120 | 541 | 118 | 14 | 446 | 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 Bas:**

| 108 | 362 | 33 | 317 | 558 | 150 | 120 | 541 | 118 | 14 | 446 | 43 |

**Added Vol:**

| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**ATI:**

| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Initial Fut:**

| 108 | 362 | 33 | 317 | 558 | 150 | 120 | 541 | 118 | 14 | 446 | 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 Vol:**

| 108 | 362 | 33 | 317 | 558 | 150 | 120 | 541 | 118 | 14 | 446 | 43 |

**Reduct Vol:**

| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Reduced Vol:**

| 108 | 362 | 33 | 317 | 558 | 150 | 120 | 541 | 118 | 14 | 446 | 43 |

**FCU Adj:**

| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

**MLF Adj:**

| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

**Final Vol:**

| 108 | 362 | 33 | 317 | 558 | 150 | 120 | 541 | 118 | 14 | 446 | 43 |

**Saturation Flow Module:**

| 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |

**Adjustment:**

| 0.97 | 1.00 | 0.97 | 1.00 | 1.00 | 0.97 | 1.06 | 0.97 | 1.00 | 0.97 | 1.00 | 1.00 |

**Lanes:**

| 1.00 | 0.92 | 0.68 | 1.00 | 0.79 | 0.21 | 1.00 | 1.00 | 1.00 | 0.97 | 1.77 | 0.17 |

**Final Sat.:**

| 1750 | 1650 | 150 | 1750 | 1419 | 381 | 1750 | 1900 | 1750 | 100 | 3192 | 308 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.06 | 0.22 | 0.22 | 0.18 | 0.39 | 0.39 | 0.07 | 0.28 | 0.07 | 0.14 | 0.14 | 0.14 |

**Crit Moves:**

| 9.8 | 39.4 | 39.4 | 32.5 | 62.2 | 62.2 | 45.0 | 67.1 | 67.1 | 22.1 | 22.1 | 22.1 |

**Volume/Cap:**

| 0.96 | 0.84 | 0.84 | 0.84 | 0.96 | 0.96 | 0.23 | 0.64 | 0.15 | 0.96 | 0.96 | 0.96 |

**Delay/Veh:**

| 105.0 | 49.1 | 49.1 | 53.9 | 49.4 | 49.4 | 30.4 | 26.0 | 19.0 | 69.4 | 69.4 | 69.4 |

**Delay Adj:**

| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

**ProgAdjFctr:**

| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

**AdjDelay/Veh:**

| 105.0 | 49.1 | 49.1 | 53.9 | 49.4 | 49.4 | 30.4 | 26.0 | 19.0 | 69.4 | 69.4 | 69.4 |

**Design Queue:**

| 9 | 24 | 2 | 22 | 31 | 8 | 7 | 27 | 6 | 1 | 33 | 3 |
Intersection #3519: FIRST/TAYLOR

Final Vol: Lanes: 187 167 0 1 0 1 36

Signal=Protect Rights=Include

Vol Crt Date: Cycle Time (sec): 2/13/1997 151
Loss Time (sec): 12

Critical V/C: 1.193
Avg Crit Del (sec/veh): 122.7

Avg Delay (sec/veh): 106.8

Lanes: Final Vol
0 54
0 1

122.7
0 1

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

Min. Green: 7 10 10 7 10 10 7 10 10 7 10 10

Volume Module: Count Date: 13 Feb 1997 <<
Base Vol: 135 452 41 396 697 187 150 676 147 17 557 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
Initial Bae: 135 452 41 396 697 187 150 676 147 17 557 54
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 135 452 41 396 697 187 150 676 147 17 557 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
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: 135 452 41 396 697 187 150 676 147 17 557 54
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 135 452 41 396 697 187 150 676 147 17 557 54
FCE 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
Final Vol.: 135 452 41 396 697 187 150 676 147 17 557 54

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.06 0.97 1.00 1.00
Lanes: 1.00 0.92 0.08 1.00 0.79 0.21 1.00 1.00 0.05 1.78 0.17
Final Sat.: 1750 1650 150 1750 1419 381 1750 1900 1750 1750 3193 310

Capacity Analysis Module:
Vol/Sat: 0.08 0.27 0.27 0.23 0.49 0.49 0.09 0.36 0.08 0.17 0.17 0.17
Crit Moves: *** **** ****
Green Time: 9.8 39.4 39.4 32.5 62.1 62.1 45.0 67.1 76.9 22.1 22.1 22.1
Volume/Cap: 1.19 1.05 1.05 1.05 1.19 1.19 0.29 0.80 0.17 1.19 1.19 1.19
Delay/Veh: 213.9 90.2 90.2 96.7 149 148.6 31.0 31.4 15.1 165.2 165 165.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 213.9 90.2 90.2 96.7 149 148.6 31.0 31.4 15.1 165.2 165 165.2
DesignQueue: 11 30 3 28 39 11 9 35 6 1 42 4
Intersection #3534: FOURTH/HEDDING

Signal=Protect/Rights=Include

Final Vol:
Lanes: 44 237 948 44
0 1 0 1

Vol Crn Date: 327/2001
Cycle Time (sec): 149
Loss Time (sec): 12
Critical VC: 0.625
Avg Crit Del (sec/veh): 30.8
Avg Delay (sec/veh): 31.3

LOS: D

Approach:

Min. Green:

Volume Module: >> Count Date: 27 Mar 2001 <<
Base Vol:
Growth Adj:
Initial Bae:
Added Vol:
ATI:
Initial Fut:
User Adj:
PHF Adj:
PHF Volume:
Reduct Vol:
Reduced Vol:
PCE Adj:
MLF Adj:
Final Vol:

Sat/Lane:
Adjustment:
Lanes:
Final Sat.: 1750 2873 826 1750 3536 164 1750 3077 623 1750 3108 592

Capacity Analysis Module:
Vol/Sat:
Crit Moves:
Green Time:
Volume/Cap:
Delay/Veh:
Delay Adj:
ProgAdjFctr:
AdjDel/Veh:
DesignQueue:

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Intersection #3534: FOURTH/HEDDING

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

Min. Green: 7 10 10 7 10 10 7 10 10 7 10 10

Volume Module: >> Count Date: 27 Mar 2001 <<
Base Vol: 41 179 52 291 1165 54 49 838 170 143 439 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
Initial Base: 41 179 52 291 1165 54 49 838 170 143 439 84
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 41 179 52 291 1165 54 49 838 170 143 439 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
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: 41 179 52 291 1165 54 49 838 170 143 439 84
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 41 179 52 291 1165 54 49 838 170 143 439 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
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 41 179 52 291 1165 54 49 838 170 143 439 84

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.04 1.00 0.97 1.03 1.00 0.97 1.03 1.00 0.97 1.03 1.00
Lanes: 1.00 1.54 0.46 1.00 1.91 0.09 1.00 1.65 0.35 1.00 1.67 0.33
Final Sat.: 1750 2866 833 1750 3536 164 1750 3076 624 1750 3105 594

Capacity Analysis Module:
Vol/Sat: 0.02 0.06 0.06 0.01 0.33 0.33 0.03 0.27 0.27 0.06 0.14 0.14
Crit Moves: **** **** **** ****
Green Time: 7.0 10.0 10.0 59.6 62.6 62.6 7.0 51.8 51.8 15.5 60.4 60.4
Volume/Cap: 0.50 0.93 0.93 0.42 0.78 0.78 0.60 0.78 0.78 0.78 0.35 0.35
Delay/Veh: 56.5 80.3 80.3 24.7 30.3 30.3 60.6 35.4 35.4 62.6 23.4 23.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdvCptr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 56.5 80.3 80.3 24.7 30.3 30.3 60.6 35.4 35.4 62.6 23.4 23.4
DesignQueue: 3 14 4 15 61 3 4 49 10 11 22 4
**Intersection #3537: FOURTH/REED**

**Final Vol:**
- Lanes: 0 0 222 288
- Signal=Split/Rights=Include

**Signal=Protect Rights=Include**
- Vol Crit Date: 20/12/2002
- Cycle Time (sec): 70
- Loss Time (sec): 9
- Critical V/C: 0.987
- Avg Crtr Del (sec/veh): 35.4
- Avg Delay (sec/veh): 27.8
- LOS: D

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
<td>Min. Green</td>
<td>0 0 0 0</td>
<td>0 0 0 0</td>
<td>0 0 0 0</td>
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<td>Base Vol:</td>
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<td>372 1376 702</td>
<td>0 222 288 391 658</td>
<td>0</td>
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<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00</td>
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<td>Initial Bse:</td>
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<td>372 1376 702</td>
<td>0 222 288 391 658</td>
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<td>0 0 0 0</td>
<td>0 0 0 0</td>
<td>0 0 0 0</td>
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<tr>
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<td>0 0 0 0</td>
<td>0 0 0 0</td>
<td>0 0 0 0</td>
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<tr>
<td>Initial Fut:</td>
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<td>372 1376 702</td>
<td>0 222 288 391 658</td>
<td>0</td>
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<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>PHF Volume:</td>
<td>0 0 0 0</td>
<td>372 1376 702</td>
<td>0 222 288 391 658</td>
<td>0</td>
</tr>
<tr>
<td>Reduct Vol:</td>
<td>0 0 0 0</td>
<td>0 0 0 0</td>
<td>0 0 0 0</td>
<td>0 0 0 0</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>0 0 0 0</td>
<td>372 1376 702</td>
<td>0 222 288 391 658</td>
<td>0</td>
</tr>
<tr>
<td>Sat/Lane:</td>
<td>1800 1800 1800 1800</td>
<td>1800 1800 1800</td>
<td>1800 1800 1800</td>
<td>1800 1800 1800</td>
</tr>
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<td>Adjustment:</td>
<td>0.97 1.06 0.97 1.00 1.04 0.97 1.06 0.97 1.06 0.97</td>
<td>0.97 1.06 0.97 1.06 0.97</td>
<td>0.97 1.06 0.97 1.06 0.97</td>
<td>0.97 1.06 0.97 1.06 0.97</td>
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<tr>
<td>Lanes:</td>
<td>0.00 0.00 0.00 0.44 1.56 1.00 0.00 1.00 1.00 2.00 2.00 0.00</td>
<td>0.00 0.00 0.00 0.44 1.56 1.00 0.00 1.00 1.00 2.00 2.00 0.00</td>
<td>0.00 0.00 0.00 0.44 1.56 1.00 0.00 1.00 1.00 2.00 2.00 0.00</td>
<td>0.00 0.00 0.00 0.44 1.56 1.00 0.00 1.00 1.00 2.00 2.00 0.00</td>
</tr>
<tr>
<td>Final Sat.:</td>
<td>0 0 0 0 787 2912 1750 0 1900 1750 1750 3800 0</td>
<td>0 0 0 0 787 2912 1750 0 1900 1750 1750 3800 0</td>
<td>0 0 0 0 787 2912 1750 0 1900 1750 1750 3800 0</td>
<td>0 0 0 0 787 2912 1750 0 1900 1750 1750 3800 0</td>
</tr>
</tbody>
</table>

**Saturation Flow Module:**

**Capacity Analysis Module:**
- Vol/Sat: 0.00 0.00 0.00 0.47 0.47 0.40 0.00 0.12 0.16 0.22 0.17 0.00
- Crit Moves: *** **** ****
- Green Time: 0.0 0.0 0.0 33.5 33.5 33.5 0.0 11.7 11.7 15.8 27.5 0.0
- Volume/Cap: 0.00 0.00 0.00 0.99 0.99 0.84 0.00 0.70 0.99 0.99 0.44 0.00
- Delay/Veh: 0.0 0.0 0.0 27.7 27.7 27.7 0.0 25.5 59.3 52.2 12.0 0.0
- FreqAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 0.0 0.0 0.0 27.7 27.7 27.7 0.0 25.5 59.3 52.2 12.0 0.0
- DesignQueue: 0 0 0 9 32 16 0 7 10 12 16 0
### Intersection #3538: FOURTH/SAN CARLOS

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>Lanes:</th>
<th>Signal=Split/Right=Overlap</th>
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<th>Vol Ctrl Date:</th>
<th>Cycle Time (sec):</th>
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<tr>
<td>30/1992</td>
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<td>Rights=Include</td>
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<th>Loss Time (sec):</th>
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<tr>
<th>Avg Crit Del (sec/veh):</th>
<th>Avg Delay (sec/veh):</th>
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<tr>
<td>11.1</td>
<td>10.1</td>
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| LOS: | |
|------| |
| B    | |

### Approach:

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<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
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<td>0 0 0</td>
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### Volume Module: >> Count Date: 2 Mar 1992 <<

<table>
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<tr>
<th>Base Vol:</th>
<th>Growth Adj:</th>
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<th>Added Vol:</th>
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### Reduction Module:

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<th>PCE Adj:</th>
<th>MLP Adj:</th>
<th>Final Vol:</th>
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<td>1.00 1.00</td>
<td>0 0 0</td>
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### Saturation Flow Module:

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<tbody>
<tr>
<td>Adjustmen:</td>
<td>0.97 10.6</td>
<td>0.97 10.6</td>
<td>0.97 10.6</td>
<td>0.97 10.6</td>
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<tr>
<td>Lanes:</td>
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<td>0.00 0.00</td>
<td>0.00 0.00</td>
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### Capacity Analysis Module:

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<tr>
<th>Vol/Sat:</th>
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<th>0.00 0.00</th>
<th>0.32 0.13</th>
<th>0.00 0.00</th>
<th>0.27 0.00</th>
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</thead>
<tbody>
<tr>
<td>Crit Moves:</td>
<td>****</td>
<td>****</td>
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<tr>
<td>Green Time:</td>
<td>0.0 0.0</td>
<td>0.0 0.0</td>
<td>34.6 64.0</td>
<td>0.0 0.0</td>
<td>29.4 0.0</td>
</tr>
<tr>
<td>Volume/Cap:</td>
<td>0.00 0.00</td>
<td>0.00 0.00</td>
<td>0.00 0.05</td>
<td>0.00 0.04</td>
<td>0.05 0.00</td>
</tr>
<tr>
<td>Delay/Veh:</td>
<td>0.0 0.0</td>
<td>0.0 0.0</td>
<td>10.4 0.2</td>
<td>0.0 0.0</td>
<td>13.8 0.0</td>
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<tr>
<td>Delay Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>Preq /Pct:</td>
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<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>AdjVol /Veh:</td>
<td>0.0 0.0</td>
<td>0.0 0.0</td>
<td>10.4 0.2</td>
<td>0.0 0.0</td>
<td>13.8 0.0</td>
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<tr>
<td>Design Queue:</td>
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Intersection #3538: FOURTH/SAN CARLOS

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Lanes:</td>
<td>1 0 3 0 0</td>
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<tr>
<td>Signal=Spl/Rights=Overlap:</td>
<td>2597***</td>
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| Vol Ctrl Date: | 3/21/1992 |
| Cycle Time (sec): | 70 |
| Loss Time (sec): | 6 |
| Critical V/C: | 0.922 |
| Avg Crit Del (sec/veh): | 18.8 |
| Avg Delay (sec/veh): | 17.1 |
| LOS: | C |

| Lanes: | 0 0 0 0 0 0 0 |
| Final Vol: | 0 0 |

**Approach:**

<table>
<thead>
<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td></td>
</tr>
<tr>
<td>Min. Green:</td>
<td>0 0 10 10 0 0 0 0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Volume Module: | >> Count Date: 2 Mar 1992 << |
| Base Vol: | 0 0 0 2597 323 0 0 678 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 Bas: | 0 0 0 2597 323 0 0 678 0 0 0 |
| Added Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Passenger Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Initial Fut: | 0 0 0 2597 323 0 0 678 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 Vol: | 0 0 0 2597 323 0 0 678 0 0 0 |
| Reduct Vol: | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Reduced Vol: | 0 0 0 2597 323 0 0 678 0 0 0 |
| FCE 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 |
| Final Vol: | 0 0 0 2597 323 0 0 678 0 0 0 |

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 |
| Lanes: | 0.00 0.00 0.00 0.00 3.00 1.00 0.00 0.00 1.00 0.00 0.00 |
| Final Sat.: | 0 0 0 0 5700 1750 0 0 1750 0 0 0 |

**Saturation Flow Module:**

| Vol/Sat: | 0.00 0.00 0.00 0.00 0.46 0.18 0.00 0.00 0.39 0.00 0.00 0.00 |
| Crit Moves: | **** | **** |
| Green Time: | 0.0 0.0 0.0 0.0 34.6 64.0 0.0 0.0 29.4 0.0 0.0 0.0 |
| Volume/Cap: | 0.00 0.00 0.00 0.00 0.00 0.92 0.20 0.00 0.00 0.92 0.00 0.00 |
| Delay/Veh: | 0.0 0.0 0.0 0.0 16.7 0.2 0.0 0.0 26.9 0.0 0.0 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 0.0 0.0 0.0 16.7 0.2 0.0 0.0 26.9 0.0 0.0 0.0 |
| DesignQueue: | 0 0 0 0 58 1 0 0 17 0 0 0 |
Intersection #3540: FOURTH/SAN SALVADOR

Approach:  
North Bound  |  South Bound  |  East Bound  |  West Bound
-------------|---------------|--------------|-------------
Movement:    | L - T - R     | L - T - R    | L - T - R   | L - T - R   
-------------|---------------|--------------|-------------|-------------
Min. Green:  | 0 0 0         | 0 0 0        | 0 0 0       | 0 0 0       
-------------|---------------|--------------|-------------|-------------
Volume Module:  | >> Count Date: 6 Nov 1998 <<   |
Base Vol:     | 0 0 0         | 283 1621 140 | 0 106 60   | 180 325 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 Base: | 0 0 0         | 283 1621 140 | 0 106 60   | 180 325 0   
Added Vol:    | 0 0 0         | 0 0 0        | 0 0 0      | 0 0 0       
ATI:          | 0 0 0         | 0 0 0        | 0 0 0      | 0 0 0       
Initial Fut:  | 0 0 0         | 283 1621 140 | 0 106 60   | 180 325 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 0         | 283 1621 140 | 0 106 60   | 180 325 0   
Reduc Vol:    | 0 0 0         | 0 0 0        | 0 0 0      | 0 0 0       
Reduced Vol:  | 0 0 0         | 283 1621 140 | 0 106 60   | 180 325 0   
PCE Adj:      | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
MLF Adj:      | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
Final Vol.:   | 0 0 0         | 283 1621 140 | 0 106 60   | 180 325 0   
-------------|---------------|--------------|-------------|-------------
Saturation Flow Module:
Sat/Lane:     | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
Adjustment:   | 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97   |
Lanes:        | 0.00 0.00 0.00 0.42 2.37 0.21 0.00 0.64 0.36 0.36 0.64 0.00 |
Final Sat.:   | 0 0 0 761 4361 377 0 1149 651 642 1158 0 |
### Intersection #3540: FOURTH/SAN SALVADOR

**Final Vol:**
- Lanes: 173 2070 361

**Signal=SplitRights=Include**
- Vol Ctrl Date: 11/6/1998
- Cycle Time (sec): 65
- Loss Time (sec): 6
- Critical WC: 0.918
- Avg Crit Del (sec/veh): 17.2
- Avg Delay (sec/veh): 16.8
- LOS: C

**Approach:**

<table>
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<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green</td>
<td>0 0 0</td>
<td>10 10 10</td>
<td>0 10 10</td>
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<td>&gt;&gt; Count Date: 6 Nov 1998 &lt;&lt;</td>
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<tr>
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<tr>
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<td>Final Vol:</td>
<td>0 0 0 361 2070 179 0 135 77 230 415 0</td>
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**Saturation Flow Module:**
- Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.97
- Lanes: 0.00 0.00 0.00 0.42 2.37 0.21 0.00 0.64 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36
- Final Sat: 0 0 0 761 4362 377 0 1146 654 642 1158 0

**Capacity Analysis Module:**
- Vol/Sat: 0.00 0.00 0.00 0.47 0.47 0.47 0.00 0.12 0.12 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0.36
- Crit Moves: ****
- Green Time: 0.0 0.0 0.0 33.6 33.6 33.6 0.0 25.4 25.4 25.4 25.4 25.4 0.0
- Volume/Cap: 0.00 0.00 0.00 0.92 0.92 0.92 0.00 0.30 0.30 0.30 0.92 0.92 0.00
- Delay/Veh: 0.0 0.0 0.0 14.9 14.9 14.9 0.0 10.5 10.5 10.5 26.5 26.5 0.0
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 0.0 0.0 0.0 14.9 14.9 14.9 0.0 10.5 10.5 10.5 26.5 26.5 0.0
- DesignQueue: 0 0 0 7 41 4 0 3 2 6 10 0

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Intersection #3542: FOURTH/ST. JAMES

### Approach: North Bound

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<tr>
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<td>Initial Fut:</td>
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<td>0</td>
<td>806 122</td>
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<tr>
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<td>150 1169</td>
<td>0</td>
<td>806 122</td>
</tr>
<tr>
<td>Sat/Lane:</td>
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<tr>
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<tr>
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<tr>
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<tr>
<td>Capacity Analysis Module:</td>
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<td></td>
</tr>
<tr>
<td>Vol/Sat:</td>
<td>0.00 0.00 0.00 0.09 0.21 0.00 0.00 0.25 0.25 0.00 0.00 0.00</td>
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</tr>
<tr>
<td>Crit Moves:</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Green Time:</td>
<td>0.0 0.0 0.0 28.8 28.8 0.0 0.0 35.2 35.2 0.0 0.0 0.0</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Volume/Cap:</td>
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<td></td>
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<tr>
<td>Delay/Veh:</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Delay Adj:</td>
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<td></td>
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</tr>
<tr>
<td>ProgAdjFctr:</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AdjDel/Veh:</td>
<td>0.0 0.0 0.0 10.1 11.7 0.0 0.0 9.0 9.0 0.0 0.0 0.0</td>
<td></td>
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<td>DesignQueue:</td>
<td>0 0 0 4 28 0 0 17 3 0 0 0</td>
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</table>
Intersection #3543: FOURTH/ST. JOHN

Final Vol: Lanes: 145 0 1 1 1 0

Vol Crt Date: Cycle Time (sec): 5/13/1999 50

Loss Time (sec): 6

Critical VC: 0.948

Avg Crit Del (sec/veh): 19.7

Avg Delay (sec/veh): 18.7

Los: C

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 0 0 0 10 10 10 0 10 10 10 0

Volume Module: >> Count Date: 13 May 1999 <<

Base Vol: 0 0 0 33 1915 145 0 420 397 72 147 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: 0 0 0 33 1915 145 0 420 397 72 147 0

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

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

Initial Fut: 0 0 0 33 1915 145 0 420 397 72 147 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

PHP 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 33 1915 145 0 420 397 72 147 0

Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Reduced Vol: 0 0 0 33 1915 145 0 420 397 72 147 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

Final Vol: 0 0 0 33 1915 145 0 420 397 72 147 0

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97

Lanes: 0.00 0.00 0.00 0.05 2.74 0.21 0.00 0.51 0.49 0.33 0.67 0.00

Final Sat.: 87 5032 381 0 925 875 592 1208 0

Capacity Analysis Module:

Vol/Sat: 0.00 0.00 0.00 0.00 0.38 0.38 0.38 0.00 0.45 0.45 0.12 0.12 0.00

Crt Moves: ****

Green Time: 0.0 0.0 0.0 20.1 20.1 20.1 0.0 23.9 23.9 23.9 23.9 0.0

Volume/Cap: 0.00 0.00 0.00 0.95 0.95 0.95 0.00 0.95 0.95 0.95 0.25 0.25 0.00

Delay/Veh: 0.0 0.0 0.0 18.1 18.1 18.1 0.0 23.6 23.6 5.9 5.9 0.0

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

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDelay/Veh: 0.0 0.0 0.0 18.1 18.1 18.1 0.0 23.6 23.6 5.9 5.9 0.0

Design Queue: 0 0 0 1 35 3 0 7 6 1 2 0
Intersection #3552: FRUITDALE/MERIDIAN

**Approach:**

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<tr>
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<th>West Bound</th>
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<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
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</table>

**Volume Module:**

- Count Date: 17 Oct 2001 < 5:00-6:00AM
- Base Vol: 149 804 39 138 1535 133 119 117 304 311 83 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: 149 804 39 138 1535 133 119 117 304 311 83 88
- Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- ATI: 0 0 0 0 0 0 0 0 0 0 0 0
- Initial Fut: 149 804 39 138 1535 133 119 117 304 311 83 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: 149 804 39 138 1535 133 119 117 304 311 83 88
- Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- Reduced Vol: 149 804 39 138 1535 133 119 117 304 311 83 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
- Final Vol: 149 804 39 138 1535 133 119 117 304 311 83 88

**Saturation Flow Module:**

- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.88 1.06 0.97
- Lanes: 1.00 2.00 1.00 1.00 2.00 1.00 1.00 2.00 1.00 2.00 1.00 1.00
- Final Sat.: 1750 3800 1750 1750 3800 1750 1750 3800 1750 3150 1900 1750

**Capacity Analysis Module:**

- Vol/Sat: 0.09 0.21 0.02 0.08 0.40 0.08 0.07 0.03 0.17 0.10 0.04 0.05
- Crit Moves: **** **** **** ****
- Green Time: 18.6 78.0 99.6 29.1 88.4 119.4 31.0 19.4 38.0 21.6 10.0 39.1
- Volume/Cap: 0.73 0.43 0.04 0.43 0.73 0.10 0.35 0.25 0.73 0.73 0.70 0.21
- Delay/Veh: 60.3 20.4 8.9 44.8 21.4 4.2 42.7 48.5 47.2 54.8 66.8 36.6
- DesignQueue: 12 39 1 10 68 3 9 9 22 24 7 6
Intersection #3576: HEDDING/OAKLAND

Final Vol: 774 774 774

Signal=Protect/Rights=Overlap

Vol Crit Date: 28/02/00
Loss Time (sec): 12
Critical WC: 0.668
Avg Crit Del (sec/veh): 33.6
Avg Delay (sec/veh): 30.2

Lanes: 1 1 1

Final Vol: 55 55

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

Min. Green: 7 10 10 7 10 10 7 10 10 7 10 10

Volume Module: >> Count Date: 8 Feb 2000 <<
Base Vol: 55 462 61 290 774 362 326 854 95 99 463 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: 55 462 61 290 774 362 326 854 95 99 463 93
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 55 462 61 290 774 362 326 854 95 99 463 93
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 55 462 61 290 774 362 326 854 95 99 463 93
Reduce Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 55 462 61 290 774 362 326 854 95 99 463 93
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 55 462 61 290 774 362 326 854 95 99 463 93

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.03 1.00 0.97 1.06 0.97
Lanes: 1.00 2.00 1.00 1.00 2.00 1.00 1.00 1.79 0.21 1.00 2.00 1.00
Final Sat.: 1750 3800 1750 1750 3800 1750 1750 3800 370 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.03 0.12 0.03 0.17 0.20 0.21 0.19 0.26 0.26 0.06 0.12 0.05
Crit Moves: **** **** **** ****
Green Time: 7.0 25.3 37.1 34.5 52.8 92.2 39.4 53.4 53.4 11.8 25.8 60.3
Volume/Cap: 0.62 0.66 0.31 0.31 0.31 0.65 0.66 0.66 0.66 0.65 0.12
Delay/Veh: 56.5 41.0 28.7 37.4 25.0 7.1 34.5 26.9 26.9 52.9 40.5 17.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 56.5 41.0 28.7 37.4 25.0 7.1 34.5 26.9 26.9 52.9 40.5 17.2
DesignQueue: 4 30 3 17 38 9 19 42 5 7 30 4
### Intersection #3576: HEDDING/OAKLAND

**Signal=Protec/Right=Overlap**

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**Vol Ctr Date:** 2/8/2000

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<td>Avg Crit Del (sec/veh):</td>
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<td>Avg Delay (sec/veh):</td>
<td>35.7</td>
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**LOS:** D

**Lanes:**
- Final Vol: 64
- 537*** 1
- 71

### Approach:

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<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green:</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>10 10 10</td>
<td>10 10 10</td>
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</tbody>
</table>

**Volume Module:**

- **Base Vol:** 64 537 71 337 899 421 379 992 110 115 538 108
- **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:** 64 537 71 337 899 421 379 992 110 115 538 108
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **PasserByVol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 64 537 71 337 899 421 379 992 110 115 538 108
- **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:** 64 537 71 337 899 421 379 992 110 115 538 108
- **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 64 537 71 337 899 421 379 992 110 115 538 108
- **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
- **Final Vol:** 64 537 71 337 899 421 379 992 110 115 538 108

### Saturation Flow Module:

- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.03 1.00 0.97 1.06 0.97
- **Lanes:** 1.00 2.00 1.00 2.00 1.00 1.00 1.79 0.21 1.00 2.00 1.00
- **Final Sat.:** 1750 3800 1750 3800 1750 3800 1750 3330 369 1750 3800 1750

### Capacity Analysis Module:

- **Vol/Sat:** 0.04 0.14 0.04 0.19 0.24 0.24 0.22 0.30 0.30 0.07 0.14 0.06
- **Crit Moves:** **** **** **** ****
- **Green Time:** 7.0 22.8 45.7 31.1 47.0 95.1 48.1 48.1 48.1 22.9 22.9 54.0
- **Volume/Cap:** 0.72 0.85 0.12 0.85 0.69 0.35 0.62 0.85 0.85 0.39 0.85 0.16
- **Delay/Veh:** 64.0 49.4 24.1 49.3 30.6 6.5 28.3 34.1 34.1 39.1 49.4 20.4
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdj/Fctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 64.0 49.4 24.1 49.3 30.6 6.5 28.3 34.1 34.1 39.1 49.4 20.4
- **DesignQueue:** 5 35 4 21 48 10 20 53 6 7 35 5
Intersection #3581: HEDDING/10TH

Final Vol: Lanes: 65 1043 144
51 1 0 0 9 1
860 1 0 2 460
177 0 0 21.7 1 182

Vol Crit Date: Cycle Time (sec): 5/9/2001 100
Loss Time (sec): 9
Travel Time (sec): 0
Critical V/C: 0.804
Avg Crit Del (sec/veh): 24.5
Avg Delay (sec/veh): 21.7
LOS: C

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
----------- | ----------- | ----------- | ----------- | ----------- |
Min. Green: 0 10 10 10 7 10 10 7 10 10
----------- | ----------- | ----------- | ----------- | ----------- |
Volume Module: >> Count Date: 9 May 2001 <<
Base Vol: 0 0 0 144 1043 65 51 860 177 182 460 220
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial BSE: 0 0 0 144 1043 65 51 860 177 182 460 220
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 144 1043 65 51 860 177 182 460 220
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 Volume: 0 0 0 144 1043 65 51 860 177 182 460 220
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 144 1043 65 51 860 177 182 460 220
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 0 0 144 1043 65 51 860 177 182 460 220
----------- | ----------- | ----------- | ----------- | ----------- |
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.00 1.00 0.97 1.03 1.00 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.23 1.67 0.10 1.00 1.65 0.35 1.00 2.00 1.00
Final Sat: 0 0 0 414 2999 187 1750 3068 631 1750 3800 1750
----------- | ----------- | ----------- | ----------- | ----------- |
Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.35 0.35 0.35 0.03 0.28 0.28 0.10 0.12 0.13
Crit Moves: **** **** ****
Green Time: 0.0 0.0 0.0 43.2 43.2 43.2 7.0 34.8 34.8 12.9 40.8 84.0
Volume/Cap: 0.00 0.00 0.00 0.80 0.80 0.80 0.42 0.88 0.80 0.80 0.30 0.15
Delay/Veh: 0.0 0.0 0.0 21.0 21.0 21.0 35.2 25.1 25.1 44.8 15.2 1.1
Delay Adj: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Prog Adj Fct: 0.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 0.0 0.0 0.0 21.0 21.0 21.0 35.2 25.1 25.1 44.8 15.2 1.1
Design Queue: 0 0 0 5 3 6 2 3 34 7 9 16 2
Intersection #3581: HEDDING/10TH

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<td>Loss Time (sec):</td>
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<td>Avg Crit Del (sec/veh):</td>
<td>72.3</td>
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<td>Avg Delay (sec/veh):</td>
<td>47.4</td>
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<td>Final Vol: Lanes:</td>
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<td>Base Vol:</td>
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<tr>
<td>Reduced Vol:</td>
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<tr>
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<tr>
<td>Final Vol:</td>
<td>14 223 63 832 659 98 73 1177 148 125 644 408</td>
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<td>Final Sat.: 1750 3800 1750 1750 1750 3800 1750 1750 3800 1750 1750 3800</td>
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<td>Crit Moves: **** **** ****</td>
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<tr>
<td>Green Time: 7.0 10.0 17.3 48.8 51.8 58.8 7.0 31.8 38.8 7.3 32.2 81.0</td>
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<tr>
<td>Volume/Cap: 0.13 0.65 0.23 1.07 0.74 0.10 0.66 1.07 0.24 1.07 0.58 0.32</td>
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<td>Delay/Veh: 37.0 39.6 30.8 71.3 20.1 9.6 46.9 73.1 19.2 130.5 25.8 3.8</td>
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Intersection #3599: JACKSON/THIRD

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<td>0 1 0 0 1</td>
<td>9</td>
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<td>139*** 0</td>
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<th>Lanes: Final Vol:</th>
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<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
<td>Movement: L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>Min. Green: 10 10 10 10</td>
<td>10 10 10 10</td>
<td>7 10 10 7 10 10</td>
<td>7 10 10 7 10 10</td>
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</tbody>
</table>

| Volume Module: >> Count Date: 11 Jul 2000 << |
|--------------------------|--------------------------|--------------------------|
| Base Vol: 55 97 89 45 138 | 64 16 139 47 453 80 9 100 |
| Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Initial Bse: 55 97 89 45 138 | 64 16 139 47 453 80 9 100 |
| Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 |
| PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 |
| Initial Fut: 55 97 89 45 138 | 64 16 139 47 453 80 9 100 |
| 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: 55 97 89 45 138 | 64 16 139 47 453 80 9 100 |
| Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 |
| Reduced Vol: 55 97 89 45 138 | 64 16 139 47 453 80 9 100 |
| PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Final Vol: 55 97 89 45 138 | 64 16 139 47 453 80 9 100 |

| Sat/Lane: 1800 1800 1800 1800 | 1800 1800 1800 1800 | 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 |
| Lanes: 1.00 0.52 0.48 1.00 0.68 0.32 1.00 0.75 0.25 1.00 0.90 0.10 |
| Final Sat.: 1750 939 861 1750 1230 570 1750 1345 455 1750 1618 182 |

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<tr>
<td>Vol/Sat: 0.03 0.10 0.10 0.03 0.11 0.11 0.01 0.10 0.10 0.26 0.05 0.05</td>
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<tr>
<td>Crit Moves: 19.2 19.2 19.2 19.2 19.2 19.2 25.5 17.6 17.6 44.2 36.4 36.4</td>
</tr>
<tr>
<td>Delay/Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>ProgAdj/Fct: 21.9 24.4 24.4 21.8 25.0 25.0 17.7 25.8 25.8 12.4 12.8 12.8</td>
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<tr>
<td>DesignQueue: 2 4 4 2 6 3 1 6 2 12 2 0</td>
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Intersection #3603: JULIAN/17TH

Approach:  
Movement:  

North Bound  |  South Bound  |  East Bound  |  West Bound
---|---|---|---
L - T - R  |  L - T - R  |  L - T - R  |  L - T - R

Min. Green:  
Volume Module:  
Count Date:  
Sat/Lane:  
Adjustment:  
Lanes:  
Final Sat.:  
Capacity Analysis Module:  
Vol/Sat:  
Critt Moves:  
Green Time:  
Volume/Cap:  
Delay/Veh:  
Delay Adj:  
ProgAdjFcct:  
AdjDel/Veh:  
Design Queue:  

11/7/2000  
Loss Time (sec): 6
Critical VC: 0.486
Avg Crit Del (sec/veh): 7.8
Avg Delay (sec/veh): 8.6

Base Vol:  
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bee:  
Added Vol:  
ATI:  
Initial Fut:  
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj:  
PHF Volume:  
Reduct Vol:  
Reduced Vol:  
FCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj:  
Final Vol:  

Sat/Lane:  
Adjustment: 0.97 0.97 0.97 0.97 0.97 1.06 0.97 0.97 0.97
Lanes: 0.20 0.34 0.52 0.44 0.40 0.16 0.00 0.00 0.00 0.10 0.85 0.05
Final Sat.:  

Vol/Sat:  
Critt Moves:  
Green Time: 17.2 17.2 17.2 17.2 17.2 0.0 0.0 0.0 0.0 31.8 31.8 31.8
Volume/Cap: 0.49 0.49 0.49 0.45 0.45 0.45 0.00 0.00 0.00 0.49 0.49 0.49
Delay/Veh: 12.2 12.2 12.2 11.9 11.9 11.9 0.0 0.0 0.0 5.5 5.5 5.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFcct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 12.2 12.2 12.2 11.9 11.9 11.9 0.0 0.0 0.0 5.5 5.5 5.5
Design Queue: 1 2 3 2 2 1 0 0 0 1 6 0
Intersection #3604: JULIAN/SEVENTH

Approach:

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<th>East Bound</th>
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<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green:</td>
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<tr>
<td>Base Vol:</td>
<td>48 125</td>
<td>0 0 146 42</td>
<td>38 608 46</td>
<td>42 427 18</td>
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<tr>
<td>Growth Adj:</td>
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<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
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<tr>
<td>Initial Bse:</td>
<td>48 125</td>
<td>0 0 146 42</td>
<td>38 608 46</td>
<td>42 427 18</td>
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<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td>Rush By Vol:</td>
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<tr>
<td>Initial Fut:</td>
<td>48 125</td>
<td>0 0 146 42</td>
<td>38 608 46</td>
<td>42 427 18</td>
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<td>User Adj:</td>
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<td>1.00 1.00</td>
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<td>1.00 1.00</td>
<td>1.00 1.00</td>
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<tr>
<td>PHF Vol:</td>
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<td>0 0 146 42</td>
<td>38 608 46</td>
<td>42 427 18</td>
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<tr>
<td>Reduct Vol:</td>
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<td>Reduced Vol:</td>
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<td>38 608 46</td>
<td>42 427 18</td>
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<td>PCE Adj:</td>
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<td>0 0 146 42</td>
<td>38 608 46</td>
<td>42 427 18</td>
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<td>Final Sat:</td>
<td>499 1301 0 0 1398 402 106 1694 1750 161 1639 1750</td>
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<tr>
<td>Vol/Sat:</td>
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<td>Crit Moves:</td>
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<tr>
<td>Green Time:</td>
<td>13.3 13.3 0.0 0.0 13.3 13.3 45.7 45.7 45.7 45.7 45.7 45.7</td>
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<td>Delay/Veh:</td>
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<td>AdjDel/Veh:</td>
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Intersection #3605: JULIAN/MARKET

Approach: North Bound | South Bound | East Bound | West Bound
Movement: L - T - R | L - T - R | L - T - R | L - T - R
Min. Green: 7 | 0 | 0 | 0 | 10 | 10 | 10 | 10
Volume Module: >> Count Date: 31 Oct 2002 <<
Base Vol: 118 406 | 0 | 0 | 1002 475 | 0 | 0 | 0 | 411 549 | 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 | 1.00 1.00 | 1.00 1.00
Initial Bse: 118 406 | 0 | 0 | 1002 475 | 0 | 0 | 0 | 411 549 | 121
Added Vol: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
ATT: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
Initial Fut: 118 406 | 0 | 0 | 1002 475 | 0 | 0 | 0 | 411 549 | 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 | 1.00 1.00 | 1.00 1.00
PHF Adj: 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 1.00
PHF Volume: 118 406 | 0 | 0 | 1002 475 | 0 | 0 | 0 | 411 549 | 121
Reduct Vol: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
Reduced Vol: 118 406 | 0 | 0 | 1002 475 | 0 | 0 | 0 | 411 549 | 121
PCF Adj: 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 1.00
MLF Adj: 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 1.00
Final Vol.: 118 406 | 0 | 0 | 1002 475 | 0 | 0 | 0 | 411 549 | 121
Saturation Flow Module:
Sat/Lane: 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.05 0.97
Lanes: 1.00 3.00 0.00 0.00 2.00 1.00 0.00 0.00 0.00 0.00 0.88 1.12 1.00
Final Sat.: 1750 5700 | 0 | 0 | 3800 1750 | 0 | 0 | 0 | 1583 2115 | 1750
Capacity Analysis Module:
Vol/Sat: 0.07 0.07 0.00 0.00 0.26 0.27 0.00 0.00 0.00 0.00 0.26 0.26 0.07
Crit Moves: **** ****
Green Time: 9.1 45.9 | 0.0 0.0 36.7 36.7 | 0.0 0.0 0.0 0.0 35.1 35.1 35.1
Volume/Cap: 0.66 0.14 | 0.00 0.00 0.65 0.66 | 0.00 0.00 0.00 0.00 0.66 0.66 0.18
Delay/Veh: 35.7 8.9 | 0.0 0.0 16.9 18.1 | 0.0 0.0 0.0 0.0 18.0 18.0 13.7
Delay Adj: 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00
ProgAdjFcptr: 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
AdjDel/Veh: 35.7 8.9 | 0.0 0.0 16.9 18.1 | 0.0 0.0 0.0 0.0 18.0 18.0 13.7
DesignQueue: 5 10 | 0 | 0 | 32 15 | 0 | 0 | 0 | 13 18 4
### Intersection #3605: JULIAN/MARKET

#### Traffic Flow Module:
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.00 1.05 0.97
- **Lanes:** 1.00 3.00 0.00 0.00 2.00 1.00 0.00 0.00 0.00 0.89 1.11 1.00
- **Final Sat.:** 1750 5700 0 0 3800 1750 0 0 1601 2097 1750

#### Capacity Analysis Module:
- **Vol/Sat:** 0.11 0.14 0.00 0.00 0.55 0.46 0.00 0.00 0.00 0.43 0.43 0.13
- **Critt Moves:** **** **** ****
- **Green Time:** 9.4 55.0 0.0 0.0 45.6 45.6 0.0 0.0 0.0 36.0 36.0 36.0
- **Volume/Cap:** 1.20 0.25 0.00 0.00 1.20 1.00 0.00 0.00 0.00 1.20 1.20 0.35
- **Delay/Veh:** 185.6 8.9 0.0 0.0 133 46.3 0.0 0.0 0.0 137.6 138 18.0
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 185.6 8.9 0.0 0.0 133 46.3 0.0 0.0 0.0 137.6 138 18.0
- **DesignQueue:** 10 20 0 0 74 27 0 0 0 28 36 8
Intersection #3607: JULIAN/SECOND

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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>Min. Green:</td>
<td>10 10 0</td>
<td>0 10 10</td>
<td>0 0 0</td>
<td>10 10 10</td>
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<tr>
<td>Volume Module:</td>
<td>&gt;&gt; Count Date: 12 Mar 1998 &lt;&lt;</td>
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<tr>
<td>Base Vol:</td>
<td>16 56 0</td>
<td>0 261 109</td>
<td>0 0 0</td>
<td>69 618 20</td>
</tr>
<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
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<tr>
<td>Initial Bse:</td>
<td>16 56 0</td>
<td>0 261 109</td>
<td>0 0 0</td>
<td>69 618 20</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
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<tr>
<td>PasserByVol:</td>
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<td>0 0 0</td>
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<td>0 261 109</td>
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<td>0 261 109</td>
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Intersection #3609: JULIAN/10TH

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<td>Min. Green</td>
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<tr>
<td>Base Vol.</td>
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<td>35 922 52</td>
<td>34 531 41</td>
<td>29 334 14</td>
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<tr>
<td>Growth Adj.</td>
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<td>43 374 25</td>
<td>35 922 52</td>
<td>34 531 41</td>
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<td>35 922 52</td>
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<td>Final Vol.</td>
<td>43 374 25</td>
<td>35 922 52</td>
<td>34 531 41</td>
<td>29 334 14</td>
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Saturation Flow Module:
- Adjustment: 1.00 1.00 1.00 1.00 0.97 1.00 1.00 0.97 1.00 0.97 1.00 1.00
- Final Sat.: 1750 1687 113 1750 1704 96 1750 1671 129 1750 1728 72

Capacity Analysis Module:
- Vol/Sat: 0.02 0.22 0.22 0.02 0.54 0.54 0.02 0.32 0.32 0.02 0.19 0.19
- Crit Moves: ****
- Green Time: 37.2 37.2 37.2 37.2 37.2 21.8 21.8 21.8 21.8 21.8 21.8 21.8
- Volume/Cap: 0.04 0.39 0.39 0.03 0.95 0.95 0.06 0.95 0.95 0.05 0.58 0.58
- Delay/Veh: 4.6 5.9 5.9 4.6 22.1 22.1 11.1 33.5 33.5 11.1 14.5 14.5
- DesignQueue: 1 6 0 1 16 1 1 14 1 1 8 0
Intersection #3610: JULIAN/THIRD

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Volume Module: >> Count Date: 20 Feb 2001 <<

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Saturation Flow Module:

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Capacity Analysis Module:

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Traffic 7.6.0115 Copyright (c) 2003 Dowling Associates, Inc. Licensed to Hexagon Trans. San Jose
Intersection #3611: JULIAN/13TH

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Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Sat.: 258 1542 0 0 1900 1750 0 0 0 268 3431 1750

Capacity Analysis Module:
Vol/Sat: 0.11 0.11 0.00 0.00 0.16 0.04 0.00 0.00 0.00 0.12 0.12 0.02
Crit Moves: ****** ******
Green Time: 33.1 33.1 0.0 0.0 33.1 33.1 0.0 0.0 0.0 25.9 25.9 25.9
Volume/Cap: 0.21 0.21 0.00 0.00 0.31 0.08 0.00 0.00 0.00 0.31 0.31 0.06
Delay/Veh: 6.7 6.7 0.0 0.0 7.1 6.2 0.0 0.0 0.0 10.2 10.2 9.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFrct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 6.7 6.7 0.0 0.0 7.1 6.2 0.0 0.0 0.0 10.2 10.2 9.1
Design Queue: 1 3 0 0 6 1 0 0 0 1 9 1
Intersection #3616: KEYES/SECOND

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

Min. Green: 0 0 0 10 10 10 0 10 10 10 0

Volume Module: >> Count Date: 16 Oct 2001 << 4:45-5:45PM
Base Vol: 0 0 0 142 654 86 0 422 11 114 445 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 0 0 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 0 142 654 86 0 422 11 114 445 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 0 142 654 86 0 422 11 114 445 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 142 654 86 0 422 11 114 445 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 0 0 142 654 86 0 422 11 114 445 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.05 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.55 2.45 1.00 0.00 2.00 1.00 1.00 2.00 0.00
Final Sat: 0 0 999 4600 1750 0 3800 1750 1750 3800 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.14 0.14 0.05 0.00 0.11 0.01 0.07 0.12 0.00
Crit Moves: **** **** ****
Green Time: 0.0 0.0 0.0 54.0 54.0 54.0 0.0 42.2 42.2 24.8 67.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.34 0.34 0.12 0.00 0.34 0.02 0.34 0.29 0.00
Delay/Veh: 0.0 0.0 0.0 19.7 19.7 17.7 0.0 25.4 22.7 34.9 13.2 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 0.0 1.00 1.00 1.00 1.00 1.00
ProgAdj/Pct: 1.00 1.00 1.00 1.00 1.00 1.00 0.0 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 19.7 19.7 17.7 0.0 25.4 22.7 34.9 13.2 0.0
DesignQueue: 0 0 0 6 29 4 0 21 1 7 16 0
### Intersection #3616: KEYES/SECOND

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<td>188 343 81</td>
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<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
</tr>
<tr>
<td>Final Vol:</td>
<td>12 142 66</td>
<td>188 343 81</td>
<td>27 402 16</td>
<td>476 465 85</td>
</tr>
</tbody>
</table>

#### Saturation Flow Module:
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Lanes: 0.08 0.92 1.00 1.00 0.81 0.19 1.00 1.92 0.08 1.00 1.68 0.32
- Final Sat.: 140 1660 1750 1750 1456 344 1750 3558 142 1750 3128 572

#### Capacity Analysis Module:
- Vol/Sat: 0.09 0.09 0.04 0.11 0.24 0.24 0.02 0.11 0.11 0.27 0.15 0.15
- Crit Moves: **** **** **** ****
- Green Time: 46.7 46.7 100.6 46.7 46.7 46.7 7.0 22.4 22.4 53.9 69.3 69.3
- Volume/Cap: 0.24 0.24 0.05 0.30 0.67 0.67 0.29 0.67 0.67 0.67 0.28 0.28
- Delay/Veh: 23.0 23.0 2.9 23.6 29.3 29.3 46.2 40.9 40.9 25.8 13.3 13.3
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 23.0 23.0 2.9 23.6 29.3 29.3 46.2 40.9 40.9 25.8 13.3 13.3
- DesignQueue: 1 7 3 1 9 17 4 2 25 1 22 17 3
### Intersection #3617: KEYES/SENDER

![Intersection Diagram]

**Approach:**

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
</tbody>
</table>

- **Min. Green:** 10 0 10 0 0 0 0 10 10 7 10 0

- **Volume Module:** >> Count Date: 4 Apr 2001 <<
  - **Base Vol:** 909 0 618 0 0 0 0 1325 659 506 745 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 Bae:** 909 0 618 0 0 0 0 0 1325 659 506 745 0
  - **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **ATI:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **Initial Fut:** 909 0 618 0 0 0 0 0 1325 659 506 745 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:** 909 0 618 0 0 0 0 0 1325 659 506 745 0
  - **Reduct Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
  - **Reduced Vol:** 909 0 618 0 0 0 0 0 1325 659 506 745 0
  - **FCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Final Vol:** 909 0 618 0 0 0 0 0 1325 659 506 745 0

- **Saturation Flow Module:**
  - **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
  - **Adjustment:** 0.88 1.06 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
  - **Lanes:** 2.00 0.00 1.00 0.00 1.00 0.00 0.00 3.00 1.00 1.00 3.00 0.00
  - **Final Sat.:** 3150 0 1750 0 0 0 0 5700 1750 1750 5700 0

- **Capacity Analysis Module:**
  - **Vol/Sat:** 0.29 0.00 0.35 0.00 0.00 0.00 0.00 0.00 0.00 0.23 0.38 0.29 0.13 0.00
  - **Crit Moves:** **** **** ****
  - **Green Time:** 44.5 0.0 89.1 0.0 0.0 0.0 0.0 0.0 35.9 80.4 44.6 80.5 0.0
  - **Volume/Cap:** 0.87 0.00 0.53 0.00 0.00 0.00 0.00 0.00 0.00 0.87 0.63 0.87 0.22 0.00
  - **Delay/Veh:** 37.6 0.0 9.2 0.0 0.0 0.0 0.0 0.0 39.6 13.9 41.2 9.4 0.0
  - **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **AdjDel/Veh:** 37.6 0.0 9.2 0.0 0.0 0.0 0.0 0.0 39.6 13.9 41.2 9.4 0.0
  - **DesignQueue:** 48 0 17 0 0 0 0 77 22 27 23 0
Intersection #3617: KEYES/SENTER

Signal_SPLIT/Rights=Include

Final Vol: Lanes: Signal=Split/Rights=Include
0 0 0 0 0

Vol Crit Date: Cycle Time (sec): 4/4/2001 112
Loss Time (sec): 9

1618***

Critical V/C: 1.076
Avg Crit Del (sec/veh): 75.7

805

Avg Del (sec/veh): 48.4

LOS: E

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

Min. Green: 10 10 10 10 0 0

Volume Module: >> Count Date: 4 Apr 2001 <<
Base Vol: 1110 0 755 0 0 0 0 0 0 0 0 0 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 Base: 1110 0 755 0 0 0 0 0 0 0 0 0 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Passer By Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 1110 0 755 0 0 0 0 0 0 0 0 0 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: 1110 0 755 0 0 0 0 0 0 0 0 0 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 1110 0 755 0 0 0 0 0 0 0 0 0 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 1110 0 755 0 0 0 0 0 0 0 0 0 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.88 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 2.00 0.00 1.00 0.00 0.00 0.00 0.00 3.00 1.00 1.00 3.00 0.00
Final Sat: 3150 0 1750 0 0 0 0 0 5700 1750 1750 5700

Capacity Analysis Module:
Vol/Sat: 0.35 0.00 0.43 0.00 0.00 0.00 0.00 0.28 0.46 0.35 0.16 0.00
Crit Movers: **** **** ****
Green Time: 36.7 0.0 73.4 0.0 0.0 0.0 0.0 29.6 66.2 36.8 66.3 0.0
Volume/Cap: 1.08 0.00 0.66 0.00 0.00 0.00 0.00 1.08 0.78 1.08 0.27 0.00
Delay/Veh: 74.9 0.0 9.9 0.0 0.0 0.0 0.0 73.6 15.8 82.7 8.4 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Prog Adj Pr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adv Del/Veh: 74.9 0.0 9.9 0.0 0.0 0.0 0.0 73.6 15.8 82.7 8.4 0.0
Design Queue: 50 0 18 0 0 0 0 0 80 23 28 24 0
Intersection #3618: KEYES/SEVENTH

<table>
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<tr>
<th>Final Vol:</th>
<th>71</th>
<th>498***</th>
<th>109</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lanes:</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>66</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lanes:</td>
<td>1</td>
</tr>
<tr>
<td>Signal=Protect Rights=Overlap Vol Cnt Date: 10/03/2001</td>
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</tr>
<tr>
<td>Cycle Time (sec): 134</td>
<td></td>
</tr>
<tr>
<td>Loss Time (sec): 12</td>
<td></td>
</tr>
<tr>
<td>Critical V/C: 0.530</td>
<td></td>
</tr>
<tr>
<td>Avg Crit Del (sec/Veh): 27.1</td>
<td></td>
</tr>
<tr>
<td>Avg Delay (sec/Veh): 28.8</td>
<td></td>
</tr>
<tr>
<td>LOS: D</td>
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</tbody>
</table>

| Lanes: | 1  |
|--------|
| Final Vol: | 33*** |
| 371 |
| 47 |

**Approach:**

<table>
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<tr>
<th>Movement</th>
<th>North Bound</th>
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<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
<td>Min. Green:</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>7 10 10</td>
</tr>
<tr>
<td>Volume Module:</td>
<td>-&gt; Count Date: 30 Oct 2001 &lt;&lt; 5:00-6:00 AM</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Growth Adj:</td>
<td>1.00 1.00</td>
<td>2.00 1.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial Bsc:</td>
<td>33 371</td>
<td>47 109 498</td>
<td>71 86 615</td>
<td>54 69 411 65</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>PHF Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>PHF Volume:</td>
<td>33 371</td>
<td>47 109 498</td>
<td>71 86 615</td>
<td>54 69 411 65</td>
</tr>
<tr>
<td>Reduct Vol:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>33 371</td>
<td>47 109 498</td>
<td>71 86 615</td>
<td>54 69 411 65</td>
</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>MLP Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>Final Vol.:</td>
<td>33 371</td>
<td>47 109 498</td>
<td>71 86 615</td>
<td>54 69 411 65</td>
</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 |
| Adjustment: | 0.97 1.00 | 0.97 1.06 | 0.97 1.06 | 0.97 1.06 |
| Lanes: | 1.00 0.89 0.11 1.00 1.00 1.00 1.00 2.00 | 1.00 2.00 | 1.00 | 1.00 1.00 |
| Final Sat.: | 1750 1598 | 202 1750 1900 | 1750 1750 3800 | 1750 1750 3800 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.02 0.23 | 0.23 0.06 | 0.26 0.04 | 0.05 0.16 | 0.03 0.04 0.12 0.04 |
| Crit Moves: | **** | **** | **** | **** |
| Green Time: | 7.0 56.8 | 56.8 15.2 | 65.0 72.0 | 7.0 40.2 47.2 | 9.8 43.0 58.2 |
| Volume/Cap: | 0.36 0.55 | 0.55 0.55 | 0.54 0.08 | 0.94 0.54 | 0.09 0.54 0.36 0.09 |
| Delay/Veh: | 47.7 22.7 22.7 | 22.7 45.1 18.8 | 11.3 101.8 30.2 | 22.1 49.0 26.7 16.9 |
| Delay Adj: | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| AdjDel/Veh: | 47.7 22.7 22.7 | 22.7 45.1 18.8 | 11.3 101.8 30.2 | 22.1 49.0 26.7 16.9 |
| DesignQueue: | 2 17 2 | 7 20 2 | 6 33 3 | 5 23 3 |
**Intersection #3618: KEYES/SEVENTH**

**Approach:**
- North Bound
- South Bound
- East Bound
- West Bound

**Movement:**
- L - T - R
- L - T - R
- L - T - R
- L - T - R

---

**Min. Green:**
10 10 7 10 7 10 10 10

---

**Volume Module:**
- Count Date: 30 Oct 2001
- Start Time: 5:00 AM
- End Time: 6:00 AM

**Base Vol:**
- 43 482 61 142 648 92 112 800 70 90 573 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 Bae:**
- 43 482 61 142 648 92 112 800 70 90 573 85

**Added Vol:**
- 0 0 0 0 0 0 0 0 0 0 0 0

**PasserByVol:**
- 0 0 0 0 0 0 0 0 0 0 0 0

**Initial Fut:**
- 43 482 61 142 648 92 112 800 70 90 573 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 Volume:**
- 43 482 61 142 648 92 112 800 70 90 573 85

**Reduct Vol:**
- 0 0 0 0 0 0 0 0 0 0 0 0

**Reduced Vol:**
- 43 482 61 142 648 92 112 800 70 90 573 85

**PCF Adj:**
- 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

**MLF Adj:**
- 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

**Final Vol:**
- 43 482 61 142 648 92 112 800 70 90 573 85

---

**Saturation Flow Module:**
- SAT: 1800
- Sat Adj: 0.97 1.00 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
- Final Sat: 1750 1598

---

**Capacity Analysis Module:**
- Vol/Sat: 0.02 0.30 0.30 0.08 0.34 0.05 0.06 0.21 0.04 0.05 0.15 0.05
- Green Time: 7.0 47.0 47.0 12.6 52.6 64.6 12.0 32.5 39.5 7.9 28.4 41.0
- Volume/Cap: 0.39 0.72 0.72 0.72 0.72 0.72 0.72 0.72 0.72 0.72 0.72 0.72
- Delay/Veh: 39.6 22.9 22.9 44.5 20.3 8.0 39.8 28.9 18.6 51.2 28.7 18.0
- Final Delay: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Design Queue: 3 19 2 8 23 2 6 37 3 5 28 3

---
Intersection #3625: KING/McKEE

Final Vol: 404 457 99
Lanes: 0 1 1 0 1

Vol Ctrl Date: 2/8/2001
Cycle Time (sec): 130
Loss Time (sec): 12
Critical VC: 0.797
Avg Crit Del (sec/veh): 36.7
Avg Delay (sec/veh): 35.0

LOS: D

Approach:

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<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
<td>Min. Green:</td>
<td>7</td>
<td>10</td>
<td>10</td>
<td>7</td>
</tr>
</tbody>
</table>

Volume Module: >> Count Date: 8 Feb 2001 <<
Base Vol: 109 206 140 99 452 404 287 989 115 221 1010 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: 109 206 140 99 452 404 287 989 115 221 1010 89
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 109 206 140 99 452 404 287 989 115 221 1010 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: 109 206 140 99 452 404 287 989 115 221 1010 89
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 109 206 140 99 452 404 287 989 115 221 1010 89

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.05 1.00 0.97 1.03 1.00 0.97 1.06 0.97
Lanes: 1.00 2.00 1.00 1.00 1.03 0.97 1.00 1.00 0.21 1.00 2.00 1.00
Final Sat.: 1750 3800 1750 1750 1952 1745 1750 3314 385 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.06 0.05 0.08 0.06 0.23 0.23 0.16 0.30 0.30 0.13 0.27 0.05
Green Time: 10.2 10.0 30.8 37.9 37.8 37.8 26.7 49.2 49.2 20.8 43.3 81.3
Volume/Cap: 0.80 0.70 0.34 0.19 0.80 0.80 0.80 0.79 0.79 0.79 0.80 0.08
Delay/Veh: 62.8 49.6 31.4 26.3 35.4 35.4 45.4 29.3 29.3 49.3 32.5 7.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Percent: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 62.8 49.6 31.4 26.3 35.4 35.4 45.4 29.3 29.3 49.3 32.5 7.3
Design Queue: 7 14 8 5 25 22 17 48 6 14 52 2
Intersection #3625: KING/McKEE

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R | L - T - R | L - T - R | L - T - R

Min. Green: | 7 10 | 7 10 | 7 10 | 7 10 |

Volume Module: >> Count Date: 8 Feb 2001 <<

Base Vol: 120 227 155 109 499 446 317 1092 127 244 1115 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: 120 227 155 109 499 446 317 1092 127 244 1115 98
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 120 227 155 109 499 446 317 1092 127 244 1115 98
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 120 227 155 109 499 446 317 1092 127 244 1115 98
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 120 227 155 109 499 446 317 1092 127 244 1115 98
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 120 227 155 109 499 446 317 1092 127 244 1115 98

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.05 1.00 0.97 1.03 1.00 0.97 1.06 0.97
Lanes: 1.00 2.00 1.00 1.00 1.03 0.97 1.00 1.79 0.21 1.00 2.00 1.00
Final Sat.: 1750 3800 1750 1750 1952 1745 1750 3314 365 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.07 0.66 0.09 0.06 0.26 0.26 0.18 0.33 0.33 0.14 0.29 0.06
Green Time: 9.8 10.0 29.9 36.2 36.4 36.4 25.5 46.9 46.9 19.9 41.3 77.5
Volume/Cap: 0.88 0.75 0.37 0.22 0.88 0.88 0.89 0.88 0.88 0.89 0.89 0.09
Delay/Veh: 72.7 49.4 30.5 25.6 38.0 38.0 52.7 32.4 32.4 56.8 35.9 7.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Veh: 72.7 49.4 30.5 25.6 38.0 38.0 52.7 32.4 32.4 56.8 35.9 7.3
DesignQueue: 8 15 8 5 26 23 18 52 6 15 56 3
Intersection #3628: KING/STORY

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

Min. Green: |-----------------|-----------------|-----------------|-----------------|
Volume Module: >> Count Date: 31 May 2000 <<
Base Vol: 304 497 118 402 1451 767 593 1116 580 219 512 100
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 304 497 118 402 1451 767 593 1116 580 219 512 100
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATT: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 304 497 118 402 1451 767 593 1116 580 219 512 100
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHP Volume: 304 497 118 402 1451 767 593 1116 580 219 512 100
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 304 497 118 402 1451 767 593 1116 580 219 512 100
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 304 497 118 402 1451 767 593 1116 580 219 512 100

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 1.00 0.97 1.06 0.97 0.88 1.06 0.97 0.88 1.06 0.97
Lanes: 1.00 1.61 0.39 1.00 2.00 1.00 2.00 3.00 1.00 2.00 3.00 1.00
Final Sat.: 1750 2990 710 1750 3800 1750 3150 5700 1750 3150 5700 1750

Capacity Analysis Module:
Vol/Sat: 0.17 0.17 0.17 0.23 0.38 0.44 0.19 0.20 0.33 0.07 0.09 0.06
Crit Moves: **** **** **** ****
Green Time: 26.7 35.8 35.8 49.5 58.6 87.5 28.9 31.5 58.2 11.2 13.8 63.3
Volume/Cap: 0.91 0.65 0.65 0.65 0.91 0.70 0.91 0.87 0.80 0.87 0.91 0.13
Delay/Veh: 62.2 36.5 36.5 30.6 35.1 14.7 53.6 44.5 31.5 66.6 61.2 16.9
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Ctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 62.2 36.5 36.5 30.6 35.1 14.7 53.6 44.5 31.5 66.6 61.2 16.9
DesignQueue: 20 30 7 21 73 25 38 71 29 16 37 4

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Intersection #3650: LINCOLN/MINNESOTA

Final Vol: Lanes: 97 882 112

Vol Cnt Date: 4/1/2000
Cycle Time (s): 140

Signal=Split/Rights=Include

Loss Time (s): 9

Critical V/C: 0.550

Avg Ctr Del (sec/veh): 27.8

LOS: D

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 10 10 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 3 Apr 2000 <<

Base Vol: 79 392 85 112 882 97 33 331 107 52 265 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: 79 392 85 112 882 97 33 331 107 52 265 89

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

ATI: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 79 392 85 112 882 97 33 331 107 52 265 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: 79 392 85 112 882 97 33 331 107 52 265 89

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

Reduced Vol: 79 392 85 112 882 97 33 331 107 52 265 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

Final Vol: 79 392 85 112 882 97 33 331 107 52 265 89

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

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 1.00 1.03 0.97 1.00 1.03 0.97 0.97 1.04 1.00 0.97 1.04 1.00

Lanes: 0.34 1.66 1.00 0.23 1.77 1.00 1.00 1.50 0.50 1.00 1.48 0.52

Final Sat.: 621 3079 1750 417 3283 1750 1750 2795 904 1750 2769 930

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

Capacity Analysis Module:

Vol/Sat: 0.13 0.13 0.05 0.27 0.27 0.06 0.02 0.12 0.12 0.03 0.10 0.10

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

Green Time: 32.4 32.4 32.4 68.4 68.4 68.4 30.2 30.2 30.2 30.2 30.2 30.2

Volume/Cap: 0.55 0.55 0.21 0.55 0.55 0.11 0.09 0.55 0.55 0.14 0.44 0.44

Delay/Veh: 36.6 36.6 33.1 19.3 19.3 14.7 33.4 37.8 37.8 33.8 36.5 36.5

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

ProgAdj/Fct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDelay/Veh: 36.6 36.6 33.1 19.3 19.3 14.7 33.4 37.8 37.8 33.8 36.5 36.5

Design Queue: 5 24 5 5 38 4 2 21 7 3 17 6
Intersection #3850: LINCOLN/MINNESOTA

Approach: North Bound  South Bound  East Bound  West Bound
Movement:  L - T - R  L - T - R  L - T - R  L - T - R
------------|-------------|-----------|-----------|-----------|
Min. Green:  10  10  10  10  10  10  10  10  10  10  10  10  10  10  10  10  10  10
------------|-------------|-----------|-----------|-----------|
Volume Module: >> Count Date: 3 Apr 2000 <<
Base Vol:  94 467 101 133 1051 116 39 394 128 62 316 106
Growth Adj:  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Boro:  94 467 101 133 1051 116 39 394 128 62 316 106
Added Vol:  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
PasserByVol:  0  0  0  0  0  0  0  0  0  0  0  0
Initial Fut:  94 467 101 133 1051 116 39 394 128 62 316 106
User Adj:  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 1.00 1.00
PHF Adj:  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 1.00 1.00
PHF Volume:  94 467 101 133 1051 116 39 394 128 62 316 106
Reduce Vol:  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
Reduced Vol:  94 467 101 133 1051 116 39 394 128 62 316 106
PCE Adj:  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 1.00 1.00
MLF Adj:  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 1.00 1.00
Final Vol:  94 467 101 133 1051 116 39 394 128 62 316 106
------------|-------------|-----------|-----------|-----------|
Saturation Flow Module:
Adjustment:  1.00 1.03 0.97 1.00 1.03 0.97 0.97 1.04 1.00 0.97 1.04 1.00
Lanes:  0.34 1.66 1.00 0.23 1.77 1.00 1.00 1.50 0.50 1.00 1.48 0.52
Final Sat.:  620 3080 1750 416 3284 1750 1750 2792 907 1750 2770 929
------------|-------------|-----------|-----------|-----------|
Capacity Analysis Module:
Vol/Sat:  0.15 0.15 0.06 0.32 0.32 0.07 0.02 0.14 0.14 0.04 0.11 0.11
Crit Moves:  ****  ****
Green Time:  31.2 31.2 31.2 65.8 65.8 65.8 29.0 29.0 29.0 29.0 29.0 29.0
Volume/Cap:  0.66 0.66 0.25 0.66 0.66 0.14 0.10 0.66 0.66 0.16 0.53 0.53
Delay/Veh:  37.1 37.1 32.3 20.4 20.4 14.4 32.3 38.2 38.2 32.8 36.2 36.2
Delay Adj:  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjPct:  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh:  37.1 37.1 32.3 20.4 20.4 14.4 32.3 38.2 38.2 32.8 36.2 36.2
DesignQueue:  6 28 6 6 44 5 2 24 8 4 19 6
Intersection #3653: LINCOLN/SAN CARLOS

Approach: North Bound  South Bound  East Bound  West Bound
Movement:  L  T  R  L  T  R  L  T  R  L  T  R
---------|----------------|----------------|----------------|----------------|
Min. Green: 10 10 10 10 10 7 10 10 7 10 10
---------|----------------|----------------|----------------|----------------|
Volume Module: >> Count Date: 6 Feb 2001 <<
Base Vol: 155 133 139 18 358 29 74 857 269 144 658 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: 155 133 139 18 358 29 74 857 269 144 658 18
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 155 133 139 18 358 29 74 857 269 144 658 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
PHE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHE Volume: 155 133 139 18 358 29 74 857 269 144 658 18
Reduce Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 155 133 139 18 358 29 74 857 269 144 658 18
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 155 133 139 18 358 29 74 857 269 144 658 18
---------|----------------|----------------|----------------|----------------|
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 0.97 0.97 1.06 0.97 0.97 1.03 1.00
Lanes: 1.00 1.00 1.00 0.04 0.89 0.07 1.00 2.00 1.00 1.00 1.95 0.05
Final Sat.: 1750 1900 1750 78 1547 125 1750 3800 1750 1750 3601 99
---------|----------------|----------------|----------------|----------------|
Capacity Analysis Module:
Vol/Sat: 0.09 0.07 0.08 0.23 0.23 0.23 0.04 0.23 0.15 0.08 0.18 0.18
Crit Moves: **** **** **** ****
Green Time: 16.6 16.6 32.1 43.5 43.5 43.5 7.0 42.4 59.0 15.5 50.9 50.9
Volume/Cap: 0.69 0.55 0.32 0.69 0.69 0.69 0.09 0.69 0.34 0.69 0.47 0.47
Delay/Veh: 47.1 42.4 30.6 30.9 30.9 30.9 68.5 30.1 17.5 48.1 22.6 22.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 47.1 42.4 30.6 30.9 30.9 30.9 68.5 30.1 17.5 48.1 22.6 22.6
DesignQueue: 10 9 8 1 18 1 5 44 11 9 30 1
Intersection #3653: LINCOLN/SAN CARLOS

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<tr>
<th>Final Vol:</th>
<th>Lanes:</th>
<th>Signal=Split/Rights=Include</th>
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<tr>
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<th>Signal=Protect Rights=Overlap</th>
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<td>89</td>
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<td>1035***</td>
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<td>Loss Time (sec):</td>
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<td>Avg Crit Del (s/veh):</td>
<td>37.9</td>
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<tr>
<td>Avg Delay (s/veh):</td>
<td>33.2</td>
<td>174***</td>
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| LOS: | D |

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<tr>
<th>Approach:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green:</td>
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<td>10</td>
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<td>Base Vol:</td>
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<td>22 432</td>
<td>35</td>
<td>89 1035</td>
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<tr>
<td>Growth Adj:</td>
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<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
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<td>Initial Bse:</td>
<td>187 161 168</td>
<td>22 432</td>
<td>35</td>
<td>89 1035</td>
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<tr>
<td>Added Vol:</td>
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<td>0</td>
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<tr>
<td>PasserByVol:</td>
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<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Initial Fut:</td>
<td>187 161 168</td>
<td>22 432</td>
<td>35</td>
<td>89 1035</td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
</tr>
<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
</tr>
<tr>
<td>PHF Volume:</td>
<td>187 161 168</td>
<td>22 432</td>
<td>35</td>
<td>89 1035</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>187 161 168</td>
<td>22 432</td>
<td>35</td>
<td>89 1035</td>
</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
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<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
<td>1.00 1.00 1.00</td>
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<tr>
<td>Final Vol:</td>
<td>187 161 168</td>
<td>22 432</td>
<td>35</td>
<td>89 1035</td>
</tr>
</tbody>
</table>

| Saturation Flow Module: |
|---|---|---|---|---|
| Adj. Adjustment: | 0.97 1.06 0.97 0.97 0.97 0.97 1.06 0.97 0.97 1.03 | 1.00 |
| Lanes: | 1.00 1.00 1.00 0.04 0.89 0.07 1.00 2.00 | 1.00 1.00 1.00 1.00 1.94 0.06 |
| Final Sat. Vol: | 1750 1900 1750 | 79 1546 125 | 1750 3800 1750 | 1750 3600 100 |

| Capacity Analysis Module: |
|---|---|---|---|---|
| Vol/Sat: | 0.11 0.08 0.10 | 0.28 0.28 0.28 | 0.28 0.28 0.05 | 0.27 0.19 0.10 | 0.22 0.22 |
| Crit Moves: | **** | **** | **** | **** |
| Green Time: | 15.2 15.2 29.4 | 39.8 39.8 39.8 | 39.8 7.0 38.8 54.0 | 14.2 46.0 46.0 |
| Volume/Cap: | 0.84 0.67 0.39 | 0.84 0.84 0.84 | 0.84 0.84 0.84 | 0.41 0.84 0.58 0.58 |
| Delay/Veh: | 55.5 42.7 29.1 | 35.8 35.8 35.8 | 35.8 77.2 32.6 17.1 | 56.9 22.7 22.7 |
| Delay Adj: | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| Prog Adj: | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 | 1.00 1.00 1.00 |
| Adj Del/Veh: | 55.5 42.7 29.1 | 35.8 35.8 35.8 | 35.8 77.2 32.6 17.1 | 56.9 22.7 22.7 |
| Design Queue: | 11 10 9 | 1 21 2 | 6 50 12 | 10 35 1 |

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### Intersection #3654: LINCOLN/WILLLOW

**Final Vol:** Lanes: 108 1 0 961 1 1 218***

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<tr>
<th>Lanes</th>
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<td>321***</td>
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<td>1</td>
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<tr>
<td>180</td>
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**Vol Crn Date:** 10/31/2001 Cycle Time (sec): 140

**Signal=Permit Rights=Include** Lanes: 0 84

**Loss Time (sec):** 9

**Critical VC:** 0.749

**Avg Crit Del (sec/veh):** 32.3

**Avg Delay (sec/veh):** 30.9

**LOS:** D

---

**Approach:**

- **North Bound**
- **South Bound**
- **East Bound**
- **West Bound**

<table>
<thead>
<tr>
<th>Movement</th>
<th>L - T - R</th>
<th>L - T - R</th>
<th>L - T - R</th>
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<tbody>
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<td>Min. Green:</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>Base Vol:</td>
<td>75 308 126</td>
<td>218 961 108</td>
<td>105 321 180</td>
<td>103 207 84</td>
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<td>Growth Adj:</td>
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<td>Initial Bse:</td>
<td>75 308 126</td>
<td>218 961 108</td>
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<td>Added Vol:</td>
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<td>ATI:</td>
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<tr>
<td>Initial Fut:</td>
<td>75 308 126</td>
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<tr>
<td>PHF Volume:</td>
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<td>218 961 108</td>
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<td>Reduced Vol:</td>
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<td>PCE Adj:</td>
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<td>Final Vol:</td>
<td>75 308 126</td>
<td>218 961 108</td>
<td>105 321 180</td>
<td>103 207 84</td>
</tr>
</tbody>
</table>

---

**Saturation Flow Module:**

- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 1.00 1.03 0.97 1.00 1.03 0.97 0.97 1.00 1.00 0.97 1.00 1.00
- **Lanes:** 0.40 1.60 1.00 0.38 1.62 1.00 1.00 0.64 0.36 1.00 0.71 0.29
- **Final Sat:** 724 2975 1750 684 3015 1750 1750 1153 647 1750 1280 520

---

**Capacity Analysis Module:**

- **Vol/Sat:** 0.10 0.10 0.07 0.32 0.32 0.06 0.06 0.28 0.28 0.06 0.16 0.16
- **Crit Moves:** **** ****
- **Green Time:** 19.4 19.4 19.4 59.6 59.6 59.6 52.0 52.0 52.0 52.0 52.0 52.0
- **Volume/Cap:** 0.75 0.75 0.52 0.75 0.75 0.14 0.16 0.75 0.75 0.16 0.43 0.43
- **Delay/Veh:** 48.2 48.2 44.2 27.2 27.2 18.7 22.3 32.3 32.3 22.3 25.3 25.3
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjCtr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 48.2 48.2 44.2 27.2 27.2 18.7 22.3 32.3 32.3 22.3 25.3 25.3
- **Design Queue:** 5 21 9 11 47 5 5 17 9 5 11 4
Intersection #3654: LINCOLN/WILLOW

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - T - R L - T - T - R L - T - T - R L - T - T - R
Min. Green: 10 10 10 10 10 10 10 10 10 10 10 10
Volume Module: >> Count Date: 31 Oct 2001 << 4:30-5:30PM
Base Vol: 87 359 147 254 1119 126 122 374 210 120 241 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: 87 359 147 254 1119 126 122 374 210 120 241 98
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 87 359 147 254 1119 126 122 374 210 120 241 98
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHE Volume: 87 359 147 254 1119 126 122 374 210 120 241 98
PHE Volume: 87 359 147 254 1119 126 122 374 210 120 241 98
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 87 359 147 254 1119 126 122 374 210 120 241 98
PE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 87 359 147 254 1119 126 122 374 210 120 241 98

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.03 0.97 1.00 1.03 0.97 0.97 1.00 1.00 0.97 1.00 1.00
Lanes: 0.40 1.60 1.00 0.38 1.62 1.00 1.00 0.64 0.36 1.00 0.71 0.29
Final Sat.: 722 2978 1750 684 3015 1750 1750 1153 647 1750 1280 520

Capacity Analysis Module:
Vol/Sat: 0.12 0.12 0.08 0.37 0.37 0.07 0.07 0.32 0.32 0.07 0.19 0.19
Crit Moves: **** **** ****
Green Time: 18.6 18.6 18.6 57.3 57.3 57.3 50.1 50.1 50.1 50.1 50.1 50.1
Volume/Cap: 0.87 0.87 0.61 0.87 0.87 0.17 0.19 0.87 0.87 0.18 0.51 0.51
Delay/Veh: 54.2 54.2 44.8 31.2 31.2 18.3 21.8 38.8 38.8 21.8 25.5 25.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Cfr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 54.2 54.2 44.8 31.2 31.2 18.3 21.8 38.8 38.8 21.8 25.5 25.5
DesignQueue: 6 24 10 12 53 6 6 19 11 6 12 5
Intersection #3666: MARGARET WAY/SEVENTH

Approach:

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<tr>
<th>Movement</th>
<th>North Bound</th>
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<th>East Bound</th>
<th>West Bound</th>
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<td>10 10 0 0 10 10 0 0</td>
<td>10 10 0 0 10 10 0 0</td>
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<tr>
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<td>BaseVol:</td>
<td>103 324 0 505 16 0 0 0</td>
<td>505 225 136 0 0 0 0 0</td>
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<tr>
<td>Growth Adj:</td>
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<tr>
<td>Initial Bse:</td>
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<td>505 225 136 0 0 0 0 0</td>
<td></td>
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<tr>
<td>Added Vol:</td>
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<td>0 0 0 0 0</td>
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<td>ATI:</td>
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<tr>
<td>Initial Fut:</td>
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<td>505 225 136 0 0 0 0 0</td>
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<td></td>
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<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>PHF Adj:</td>
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<td></td>
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<tr>
<td>PHF Volume:</td>
<td>103 324 0 505 16 0 0 0</td>
<td>505 225 136 0 0 0 0 0</td>
<td></td>
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<tr>
<td>Reduced Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0</td>
<td>0 0 0 0 0</td>
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<tr>
<td>PCE Adj:</td>
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<tr>
<td>MLF Adj:</td>
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<td>Final Vol:</td>
<td>103 324 0 505 16 0 0 0</td>
<td>505 225 136 0 0 0 0 0</td>
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</table>

Saturation Flow Module:

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 |
| Lanes: | 1.00 1.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 1.00 1.00 |
| Final Sat.: | 1750 1900 0 0 1900 1750 0 0 1750 1900 1750 |

Capacity Analysis Module:

| Vol/Sat: | 0.06 0.17 0.00 0.00 0.27 0.01 0.00 0.00 0.00 0.29 0.12 0.08 |
| Crit Moves: | **** |
| Green Time: | 37.9 37.9 0.0 0.0 37.9 37.9 0.0 0.0 0.0 41.1 41.1 41.1 |
| Volume/Cap: | 0.13 0.38 0.00 0.00 0.60 0.02 0.00 0.00 0.00 0.60 0.24 0.16 |
| Delay/Veh: | 10.6 12.1 0.0 0.0 14.4 10.0 0.0 0.0 0.0 12.7 9.8 9.3 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Fctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 10.6 12.1 0.0 0.0 14.4 10.0 0.0 0.0 0.0 12.7 9.8 9.3 |
| Design Queue: | 3 9 0 0 14 0 0 0 0 13 6 3 |
Intersection #3666: MARGARET WAY/SEVENTH

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 10 10
Volume Module: >> Count Date: 27 Mar 2001 <<
Base Vol: 153 481 0 0 750 24 0 0 0 750 334 202
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: 153 481 0 0 750 24 0 0 0 750 334 202
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 153 481 0 0 750 24 0 0 0 750 334 202
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: 153 481 0 0 750 24 0 0 0 750 334 202
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 153 481 0 0 750 24 0 0 0 750 334 202
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
MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 153 481 0 0 750 24 0 0 0 750 334 202

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 1.00 1.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 1.00 1.00 1.00
Final Sat.: 1750 1900 0 0 1900 1750 0 0 0 1750 1900 1750

Capacity Analysis Module:
Vol/Sat: 0.09 0.25 0.00 0.00 0.39 0.01 0.00 0.00 0.00 0.43 0.18 0.12

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Intersection #3667: MARKET/SAN FERNANDO

Approach: North Bound   South Bound   East Bound   West Bound
Movement: L - T - R   L - T - R   L - T - R   L - T - R
----------- | ----------- | ----------- | ----------- | -----------
Min. Green: 10 10 10 10 10 10 10 10 10 10 10
----------- | ----------- | ----------- | ----------- | -----------
Volume Module: >> Count Date: 21 Feb 2001 <<
Base Vol: 52 203 54 148 1109 74 42 252 160 72 227 46
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 52 203 54 148 1109 74 42 252 160 72 227 46
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Passer By Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 52 203 54 148 1109 74 42 252 160 72 227 46
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
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: 52 203 54 148 1109 74 42 252 160 72 227 46
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 52 203 54 148 1109 74 42 252 160 72 227 46
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 52 203 54 148 1109 74 42 252 160 72 227 46
----------- | ----------- | ----------- | ----------- | -----------
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.04 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.00 1.00
Lanes: 1.00 1.57 0.43 1.00 2.00 1.00 1.00 1.00 1.00 1.00 1.00 0.83 0.17
Final Sat: 1750 2922 777 1750 3800 1750 1900 1750 1900 1750 1900 1497 303
----------- | ----------- | ----------- | ----------- | -----------
Capacity Analysis Module:
Vol/Sat: 0.03 0.07 0.07 0.08 0.29 0.04 0.02 0.13 0.09 0.04 0.15 0.15
Crt Moves: **** ****
Green Time: 61.9 61.9 61.9 61.9 61.9 61.9 32.1 32.1 32.1 32.1 32.1 32.1
Volume/Cap: 0.05 0.11 0.11 0.14 0.47 0.07 0.07 0.41 0.28 0.13 0.47 0.47
Delay/Veh: 5.7 5.9 5.9 6.0 7.9 5.8 17.9 20.4 19.3 18.3 21.1 21.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 5.7 5.9 5.9 6.0 7.9 5.8 17.9 20.4 19.3 18.3 21.1 21.1
Design Queue: 1 4 1 3 25 2 2 10 6 3 9 2
Intersection #3670: MARKET/SANTA CLARA

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

Min. Green: 7 10 10 10 10 10 10 10

Volume Module: Count Date: 21 Feb 2001
Base Vol: 78 251 62 158 987 122 72 665 128 67 443 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
Initial Bee: 78 251 62 158 987 122 72 665 128 67 443 51
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 78 251 62 158 987 122 72 665 128 67 443 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
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: 78 251 62 158 987 122 72 665 128 67 443 51
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 78 251 62 158 987 122 72 665 128 67 443 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
MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 78 251 62 158 987 122 72 665 128 67 443 51

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 1.00 0.97 1.03 1.00 0.97 1.06 0.97 1.03 1.00
Lanes: 1.00 1.59 0.41 1.00 1.77 0.23 1.00 2.00 1.00 1.00 1.79 0.21
Final Sat.: 1750 2967 733 1750 3293 407 1750 3800 1750 1750 3318 382

Capacity Analysis Module:
Vol/Sat: 0.04 0.08 0.08 0.09 0.30 0.30 0.04 0.17 0.07 0.04 0.13 0.13
Crit Moves: **** **** ****
Green Time: 7.0 10.0 10.0 43.7 66.7 46.7 27.3 27.3 34.3 27.3 27.3 27.3
Volume/Cap: 0.57 0.76 0.76 0.19 0.58 0.58 0.14 0.58 0.19 0.13 0.44 0.44
Delay/Veh: 34.6 35.1 35.1 10.0 11.6 11.6 17.3 20.7 14.2 17.3 19.4 19.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 34.6 35.1 35.1 10.0 11.6 11.6 17.3 20.7 14.2 17.3 19.4 19.4
DesignQueue: 4 11 3 4 26 3 3 24 4 2 16 2
Intersection #3670: MARKET/SANTA CLARA

Approach: North Bound  South Bound  East Bound  West Bound
Movement: L - T - R  L - T - R  L - T - R  L - T - R
----------- |----------- |----------- |----------- |----------- |
Min. Green: 7 10 10  10 10 10  10 10 10  10 10 10
----------- |----------- |----------- |----------- |----------- |
Volume Module: >> Count Date: 21 Feb 2001 <<
Base Vol: 107 346  85 268 1359  377 99 864  176 92 602 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 Base: 107 346  85 268 1359  377 99 864  176 92 602 78
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 107 346  85 268 1359  377 99 864  176 92 602 78
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 107 346  85 268 1359  377 99 864  176 92 602 78
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 107 346  85 268 1359  377 99 864  176 92 602 78
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 107 346  85 268 1359  377 99 864  176 92 602 78
----------- |----------- |----------- |----------- |----------- |

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 1.00 0.97 1.04 1.00 0.97 1.06 0.97 0.97 1.03 1.00
Lanes: 1.00 1.59 0.41 1.00 1.55 0.45 1.00 2.00 1.00 1.00 1.76 0.24
Final Sat.: 1750 2970  730 1750 2896  803 1750 3800 1750 1750 3275 424
----------- |----------- |----------- |----------- |----------- |

Capacity Analysis Module:
Vol/Sat: 0.06 0.12 0.12 0.15 0.47 0.47 0.06 0.23 0.10 0.05 0.18 0.18
Crit Moves: **** ****
Green Time: 7.3 27.5 27.5 36.2 56.4 56.4 27.3 27.3 34.6 27.3 27.3 27.3
Volume/Cap: 0.83 0.42 0.42 0.42 0.83 0.83 0.21 0.83 0.29 0.19 0.67 0.67
Delay/Veh: 58.2 22.8 22.8 18.6 15.8 15.8 21.3 30.2 18.1 21.2 25.9 25.9
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 58.2 22.8 22.8 18.6 15.8 15.8 21.3 30.2 18.1 21.2 25.9 25.9
DesignQueue: 6 14  4 10 38 10 4 37 7 4 26 3
Intersection #3671: MARKET/ST. JAMES

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 10 10

Volume Module: >> Count Date: 21 Feb 2001 <<

Base Vol: 681 455 2139 299 983 155 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 Bee: 681 116 455 2139 299 983 155 0 0

Added Vol: 0 0 0 0 0 0 0 0 0

Passer Vol: 0 0 0 0 0 0 0 0 0

Initial Fut: 681 116 455 2139 299 983 155 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 Vol: 681 116 455 2139 299 983 155 0 0

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

Reduced Vol: 681 116 455 2139 299 983 155 0 0

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

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

Final Vol: 681 116 455 2139 299 983 155 0 0

Saturation Flow Module:

Adjusted: 0.97 1.04 1.00 0.97 1.06 0.97 0.97 1.03 1.00 0.97 1.06 0.97

Lanes: 0.00 2.55 0.45 1.00 2.00 0.00 1.00 1.72 0.28 0.00 0.00 0.00

Final Sat.: 4784 815 1750 3800 0 1750 3196 504 0 0 0

Capacity Analysis Module:

Vol/Sat: 0.00 0.0 0.14 0.14 0.26 0.56 0.00 0.17 0.31 0.31 0.00 0.00 0.00

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

Green Time: 0.0 20.8 20.8 38.0 58.8 0.0 32.2 32.2 32.2 0.0 0.0 0.0

Volume/Cap: 0.00 0.68 0.68 0.68 0.96 0.00 0.53 0.96 0.96 0.00 0.00 0.00

Delay/Veh: 0.0 29.0 29.0 21.7 22.6 0.0 21.3 35.8 35.8 0.0 0.0 0.0

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

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 0.0 29.0 29.0 21.7 22.6 0.0 21.3 35.8 35.8 0.0 0.0 0.0

DesignQueue: 0 31 5 17 57 0 12 40 6 0 0 0
**Intersection #3683: McLAUGHLIN/STORY**

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

**Movement:**
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<td>7</td>
<td>10</td>
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**Volume Module:** >> Count Date: 3 Oct 2001 << 5:00-6:00PM

**Base Vol:** 120 311 276 302 914 154 291 989 122 600 892 289

**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 Est:** 120 311 276 302 914 154 291 989 122 600 892 289

**Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0

**ATI:** 0 0 0 0 0 0 0 0 0 0 0 0

**Initial Fut:** 120 311 276 302 914 154 291 989 122 600 892 289

**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

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

**Final Vol:** 120 311 276 302 914 154 291 989 122 600 892 289

**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.06 0.97 0.88 1.04 1.00 0.88 1.06 0.97
- **Lanes:** 1.00 2.00 1.00 1.00 2.00 1.00 2.00 2.66 0.34 2.00 3.00 1.00
- **Final Sat.:** 1750 3800 1750 1750 3800 1750 3150 4984 615 3150 5700 1750

**Capacity Analysis Module:**
- **Vol/Sat:** 0.07 0.08 0.16 0.17 0.24 0.09 0.09 0.20 0.20 0.19 0.16 0.17
- **Crit Moves:** **** **** **** ****
- **Green Time:** 12.6 18.2 53.2 38.4 44.1 70.6 26.5 36.4 36.4 34.9 44.8 83.3
- **Volume/Cap:** 0.76 0.63 0.42 0.63 0.76 0.17 0.49 0.76 0.76 0.49 0.28
- **Delay/Veh:** 60.3 45.6 24.6 35.7 34.9 14.4 39.1 38.1 38.1 40.1 29.3 10.5
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdvPct:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 60.3 45.6 24.6 35.7 34.9 14.4 39.1 38.1 38.1 40.1 29.3 10.5
- **DesignQueue:** 9 22 14 18 52 6 19 60 7 37 49 9
### Intersection #3693: MERIDIAN/SAN CARLOS

#### Signal Setting
- Final Vol: 69
- Lanes: 1
- Vol Ctrl Date: 2/27/2001
- Cycle Time (sec): 130
- Loss Time (sec): 12
- Critical VC: 0.763
- Avg Crit Del (sec/veh): 36.2
- Avg Delay (sec/veh): 31.4
- LOS: D

#### Volume Table
<table>
<thead>
<tr>
<th>Approach</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<td>140 509 69</td>
<td>124 1150 414</td>
<td>355 648 54</td>
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<td>140 509 69</td>
<td>124 1150 414</td>
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<tr>
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<td>124 1150 414</td>
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<td>Reuct Vol:</td>
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<td>Reduced Vol:</td>
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<td>124 1150 414</td>
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<td>1.00 1.00 1.00</td>
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<td>140 509 69</td>
<td>124 1150 414</td>
<td>355 648 54</td>
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#### Saturation Flow Module
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.03 0.97 0.97 1.03 0.97 1.06 0.97 0.88 1.03 1.00
- Lanes: 1.08 1.92 1.00 1.00 1.75 0.25 1.00 2.00 1.00 2.00 1.84 0.16
- Final Sat.: 1898 3548 1750 1750 3258 442 1750 3600 1750 3150 3415 285

#### Capacity Analysis Module
- Vol/Sat: 0.12 0.12 0.16 0.08 0.16 0.16 0.08 0.30 0.24 0.11 0.19 0.19
- Crit Moves: **** **** **** ****
- Green Time: 20.6 20.6 39.8 26.6 26.6 26.6 19.3 51.6 72.2 19.2 51.6 51.6
- Volume/Cap: 0.76 0.76 0.53 0.39 0.76 0.76 0.48 0.76 0.43 0.76 0.48 0.48
- Delay/Veh: 42.6 42.6 29.2 34.0 39.6 39.6 39.7 27.4 13.0 45.5 22.4 22.4
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjFct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 42.6 42.6 29.2 34.0 39.6 39.6 39.7 27.4 13.0 45.5 22.4 22.4
- Design Queue: 14 27 15 8 30 4 8 54 14 22 30 2

Traffic 7.6.0115  Copyright (c) 2003 Dowling Associates, Inc.  Licensed to Hexagon Trans. San Jose
Intersection #3693: MERIDIAN/SAN CARLOS

Final Vol: 91
Vol Crit Date: 22/7/2001
Loss Time (sec): 1
Avg Crit Del (sec/veh): 60.1
Avg Delay (sec/veh): 47.5

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 10 10 7 10 10 7 10 10

Volume Module: >> Count Date: 27 Feb 2001 <<
Base Vol: 303 566 374 185 673 91 164 1520 547 469 857 71
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 303 566 374 185 673 91 164 1520 547 469 857 71
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserBY Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 303 566 374 185 673 91 164 1520 547 469 857 71
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 303 566 374 185 673 91 164 1520 547 469 857 71
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 303 566 374 185 673 91 164 1520 547 469 857 71
PCF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 303 566 374 185 673 91 164 1520 547 469 857 71

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 0.97 0.97 1.03 1.00 0.97 1.06 0.97 0.88 1.03 1.00
Lanes: 1.08 1.92 1.00 1.00 1.76 0.24 1.00 2.00 1.00 2.00 1.84 0.16
Final Sat.: 1899 3547 1750 1750 3259 441 1750 3800 1750 3150 3417 283

Capacity Analysis Module:
Vol/Sat.: 0.16 0.16 0.21 0.11 0.21 0.21 0.09 0.40 0.31 0.15 0.25 0.25
Crit Moves: **** **** ****
Green Time: 18.8 18.8 36.4 24.4 24.4 24.4 17.6 47.2 66.0 17.6 47.2 47.2
Volume/Cap: 1.02 1.02 0.70 0.52 1.02 1.02 0.64 1.02 0.57 1.02 0.64 0.64
Delay/Veh: 66.4 66.4 31.1 32.6 63.3 63.3 40.2 49.8 14.0 75.7 23.1 23.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgrAdj/bctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 66.4 66.4 31.1 32.6 63.3 63.3 40.2 49.8 14.0 75.7 23.1 23.1
Design Queue: 18 33 18 10 38 5 10 69 18 28 37 3
Intersection #3694: MERIDIAN/WILLOW

Approach: North Bound  South Bound  East Bound  West Bound
Movement:  L - T - R  L - T - R  L - T - R  L - T - R
-----------  -----------  -----------  -----------
Min. Green:  7   10  10  7   10  10  10  10  10  10
-----------  -----------  -----------  -----------
Volume Module: >> Count Date: 25 May 1999 <<
Base Vol: 23 600 73 80 1967 44 99 67 62 111 61 363
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 23 600 73 80 1967 44 99 67 62 111 61 363
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 23 600 73 80 1967 44 99 67 62 111 61 363
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 23 600 73 80 1967 44 99 67 62 111 61 363
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 23 600 73 80 1967 44 99 67 62 111 61 363
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 23 600 73 80 1967 44 99 67 62 111 61 363

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.03 0.97 1.03 1.00 0.97 1.00 1.00 1.00 1.00 0.97
Lanes: 1.00 2.00 1.00 1.00 1.00 0.04 1.00 0.52 0.48 0.65 0.35 1.00
Final Sat.: 1750 3800 1750 1750 3619 81 1750 935 865 1162 638 1750

Capacity Analysis Module:
Vol/Sat: 0.01 0.16 0.04 0.05 0.54 0.54 0.06 0.07 0.07 0.10 0.10 0.21
Crit Moves: ****  ****  ****  ****  ****
Green Time: 7.0 81.9 81.9 23.7 98.6 98.6 13.0 13.0 13.0 29.3 29.3 53.1
Volume/Cap: 0.30 0.31 0.08 0.31 0.88 0.88 0.70 0.88 0.88 0.52 0.52 0.63
Delay/Veh: 57.0 17.2 15.1 46.4 22.8 22.8 63.5 84.0 84.0 46.0 46.0 35.8
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgresVel: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgDel/Veh: 57.0 17.2 15.1 46.4 22.8 22.8 63.5 84.0 84.0 46.0 46.0 35.8
DesignQueue: 2 27 3 6 78 2 8 6 5 8 5 23
**Intersection #3694: MERIDIAN/WILLOW**

**Signal=Protect/Right=inclde**

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<td>2293***</td>
<td>1</td>
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<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>91</td>
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**Vol Ctrl Date: 5/25/1999**

| Cycle Time (sec): | 160 |
| Loss Time (sec):   | 12  |
| Critical Vic:       | 0.97 |
| Avg Ctrl Del (sec/veh): | 42.1 |
| Avg Delay (sec/veh):  | 38.6 |
| Final Vol: | Lanes: |
| 1          | 412*** |
| 0          | 69     |
| 1          | 1      |
| 0          | 126    |

**LOS: D**

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**Approach:**

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</table>

**Compute Module:**

**Sat/Lane:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 0.97 0.97 1.03 1.00 0.97 1.00 1.00 1.00 0.97 |
| Lanes: | 100 200 100 100 100 100 100 100 100 100 |
| Final Sat.: | 1750 3800 1750 3619 81 1750 937 863 1163 637 1750 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.01 0.18 0.05 0.05 0.62 0.62 0.06 0.08 0.08 0.11 0.11 0.24 |
| Crit Moves: | *** **** **** |
| Green Time: | 7.0 82.0 82.0 23.7 98.7 98.7 13.0 13.0 13.0 29.3 29.3 53.1 |
| Volume/Cap: | 0.34 0.35 0.35 1.00 1.00 0.79 1.00 1.00 0.59 0.59 0.71 |
| Delay/Veh: | 57.5 17.7 15.2 46.9 38.0 38.0 71.6 113 113.5 47.5 47.5 38.3 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Prog Adj Fctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Adj Del/Veh: | 57.5 17.7 15.2 46.9 38.0 38.0 71.6 113 113.5 47.5 47.5 38.3 |
| Design Queue: | 2 31 4 7 90 2 9 6 6 9 5 26 |
Intersection #3731: PARKWOZ

Final Vol: Lanes: 0 0 0 0 0 0

Vol Crit Date: Cycle Time (sec): 6/12/2001 82

Loss Time (sec): 9

Critical VC: 0.363

Avg Crit Del (sec/veh): 17.6

Avg Delay (sec/veh): 15.7

Final Vol: Lanes: 1 1 1 1 1 1

LOS: C

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 10 0 0 0 7 10 10 10 10 10

Volume Module: >> Count Date: 12 Jun 2001 <<

Base Vol: 39 161 52 0 0 0 82 377 87 197 409 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 Base: 39 161 52 0 0 0 82 377 87 197 409 98

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

ATTI: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 39 161 52 0 0 0 82 377 87 197 409 98

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

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

PHF Volume: 39 161 52 0 0 0 82 377 87 197 409 98

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

Reduced Vol: 39 161 52 0 0 0 82 377 87 197 409 98

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

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

Final Vol: 39 161 52 0 0 0 82 377 87 197 409 98

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 1.00 1.00 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97

Lanes: 0.20 0.80 1.00 0.00 0.00 0.00 1.00 2.00 1.00 1.00 2.00 1.00

Final Sat.: 1454 1750 0 0 0 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:

Vol/Sat: 0.11 0.11 0.03 0.00 0.00 0.00 0.05 0.10 0.05 0.11 0.11 0.06

Sat Moves: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Green Time: 25.1 25.1 50.6 0.0 0.0 0.0 19.7 22.4 47.5 25.5 28.2 28.2

Volume/Cap: 0.36 0.36 0.05 0.00 0.00 0.00 0.19 0.36 0.09 0.36 0.31 0.16

Delay/Veh: 17.1 17.1 4.7 0.0 0.0 0.0 18.9 18.4 5.8 16.9 15.1 14.2

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

FrogAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 17.1 17.1 4.7 0.0 0.0 0.0 18.9 18.4 5.8 16.9 15.1 14.2

DesignQueue: 1 5 1 0 0 0 3 13 2 6 13 3
Intersection #3731: PARKWOZ

Final Vol: Lanes: 151 1 653*** 2 160 1

Vol Crit Date: Cycle Time (sec): Signal=SplitRights=Overlap 6/12/2001 82
Loss Time (sec): 9
Critical VC: 0.667
Avg Crit Del (sec/veh): 21.1
Avg Delay (sec/veh): 17.3

Lanes: Final Vol: 1 180

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 10 10 10 0 0 0 7 10 10 7 10 10
Volume Module: >> Count Date: 12 Jun 2001 <<
Base Vol: 72 296 96 0 0 0 0 0 0 151 693 160 362 751 180
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 1.00 1.00 1.00
Initial Bae: 72 296 96 0 0 0 0 0 0 151 693 160 362 751 180
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 72 296 96 0 0 0 0 0 0 151 693 160 362 751 180
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 72 296 96 0 0 0 0 0 0 151 693 160 362 751 180
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 72 296 96 0 0 0 0 0 0 151 693 160 362 751 180
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 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
Final Vol: 72 296 96 0 0 0 0 0 0 151 693 160 362 751 180

Saturation Flow Module:
Adjustment: 1.00 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.20 0.80 1.00 0.00 0.00 0.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 352 1448 1750 0 0 0 1750 3800 1750 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.20 0.20 0.05 0.00 0.00 0.00 0.00 0.09 0.18 0.09 0.21 0.20 0.10
Crit Moves: **** ****
Green Time: 25.1 25.1 50.6 0.0 0.0 0.0 14.5 22.4 47.6 25.4 33.3 33.3
Volume/Cap: 0.67 0.67 0.09 0.00 0.00 0.00 0.00 0.49 0.67 0.16 0.67 0.49 0.25
Delay/Veh: 21.0 21.0 4.8 0.0 0.0 0.0 24.1 21.3 6.1 20.9 13.9 12.3
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 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 1.00
AdjDel/Veh: 21.0 21.0 4.8 0.0 0.0 0.0 24.1 21.3 6.1 20.9 13.9 12.3
DesignQueue: 2 10 2 0 0 0 6 24 3 12 21 5
**Intersection #3750: REED/SECOND**

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**Approach:**

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<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
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<tr>
<td>Min. Green:</td>
<td>0 0 0 0 10 10 10 10 10 10 10 10 0</td>
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<tr>
<td>Volume Module:</td>
<td></td>
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<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
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<tr>
<td>Initial Bse:</td>
<td>0 0 0 146 561 118 0 71 23 321 418 0</td>
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<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td></td>
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<td>ATI:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Initial Fut:</td>
<td>0 0 0 146 561 118 0 71 23 321 418 0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
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<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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</tr>
<tr>
<td>PHF Volume:</td>
<td>0 0 0 146 561 118 0 71 23 321 418 0</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Reduct Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>0 0 0 146 561 118 0 71 23 321 418 0</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MLF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
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<tr>
<td>Final Vol.:</td>
<td>0 0 0 146 561 118 0 71 23 321 418 0</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.00 1.03 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 0.97 |
| Lanes: | 0.00 0.00 0.00 0.54 2.02 0.44 0.00 1.00 1.00 1.00 2.00 0.00 |
| Final Sat.: | 0 0 0 973 3739 787 0 1900 1750 1750 3800 0 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.00 0.00 0.00 0.15 0.15 0.15 0.00 0.04 0.01 0.18 0.11 0.00 |
| Green Time: | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| Volume/Cap: | 0.00 0.00 0.00 0.37 0.37 0.37 0.00 0.07 0.03 0.37 0.22 0.00 |
| Delay/Veh: | 0.0 0.0 0.0 10.2 10.2 10.2 0.0 6.4 6.3 7.7 7.0 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 0.0 0.0 10.2 10.2 10.2 0.0 6.4 6.3 7.7 7.0 0.0 |
| DesignQueue: | 0 0 0 3 12 3 0 1 0 6 8 0 |
**Intersection #3753: REED/THIRD**

**Level Of Service Computation Report**
**1985 HCM Operations (Future Volume Alternative)**
**Existing PM**

### Approach:

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
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<tr>
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<td>L - T - R</td>
<td>L - T - R</td>
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<td>Min. Green:</td>
<td>10 10 10</td>
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<tr>
<td>Base Vol:</td>
<td>15 356 166</td>
<td>0 0 0</td>
<td>29 155 0</td>
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<tr>
<td>Growth Adj.</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>Initial Bae.</td>
<td>15 356 166</td>
<td>0 0 0</td>
<td>29 155 0</td>
<td>0 0 0</td>
</tr>
<tr>
<td>PCE Adj.:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>MLF Adj.:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>Final Vol.:</td>
<td>15 356 166</td>
<td>0 0 0</td>
<td>29 155 0</td>
<td>0 0 0</td>
</tr>
</tbody>
</table>

### Saturation Flow Module:

| Sat./Lane: | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 |
| Lanes:     | 0.09 1.97 | 0.94 0.00 | 0.00 0.00 | 1.00 1.00 |
| Final Sat.:| 154 3646  | 1700 0    | 1750 1900 | 0 3800 1750|

### Capacity Analysis Module:

| Vol./Sat.: | 0.10 0.10 | 0.10 0.10 | 0.10 0.10 | 0.10 0.10 |
| Green Time:| 24.6 24.6 | 24.6 24.6 | 24.6 24.6 | 24.6 24.6 |
| Volume/Cap.| 0.36 0.36 | 0.36 0.36 | 0.36 0.36 | 0.36 0.36 |
| Delay/Veh.:| 20.1 20.1 | 20.1 20.1 | 20.1 20.1 | 20.1 20.1 |
| Delay Adj.:| 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| Adj Del/Veh.| 20.1 20.1 | 20.1 20.1 | 20.1 20.1 | 20.1 20.1 |
| Design Queue:| 1 13 6 | 0 0 0 3 | 0 0 0 16 | 0 0 0 5 |
Intersection #3753: REED/THIRD

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 10 0 0 0 0 0 10 10 10

Volume Module: >> Count Date: 1 Nov 2001 << 5:00-6:00PM
Base Vol: 16 372 174 0 0 0 30 162 0 0 937 291
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 Bue: 16 372 174 0 0 0 30 162 0 0 937 291
Added Vol: 16 372 174 0 0 0 30 162 0 0 937 291
PasserByVol: 16 372 174 0 0 0 30 162 0 0 937 291
Initial Fut: 16 372 174 0 0 0 30 162 0 0 937 291
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: 16 372 174 0 0 0 30 162 0 0 937 291
Reduct Vol: 16 372 174 0 0 0 30 162 0 0 937 291
Reduced Vol: 16 372 174 0 0 0 30 162 0 0 937 291
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
Final Vol: 16 372 174 0 0 0 30 162 0 0 937 291

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.03 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.09 1.97 0.94 0.00 0.00 0.00 1.00 1.00 0.00 0.00 2.00 1.00
Final Sat.: 157 3640 1703 0 0 0 1750 1900 0 0 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.10 0.10 0.10 0.00 0.00 0.00 0.02 0.09 0.00 0.00 0.25 0.17
Crit Moves: ****
Green Time: 20.2 20.2 20.2 0.0 0.0 0.0 48.8 48.8 0.0 0.0 48.8 48.8
Volume/Cap: 0.38 0.38 0.38 0.00 0.00 0.00 0.03 0.13 0.00 0.00 0.38 0.26
Delay/Veh: 17.0 17.0 17.0 0.0 0.0 0.0 3.5 3.8 0.0 0.0 4.7 4.2
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Pct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjVeh/Veh: 17.0 17.0 17.0 0.0 0.0 0.0 3.5 3.8 0.0 0.0 4.7 4.2
Delay Queue: 0 12 5 0 0 0 2 0 0 0 15 4
Intersection #3763: SAN CARLOS/WOZ

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

Min. Green: 7 10 10 7 10 10 7 10 10

Volume Module: Base Vol: 55 90 113 35 179 95 65 475 14 28 545 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
Initial Bee: 55 90 113 35 179 95 65 475 14 28 545 58
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Futs: 55 90 113 35 179 95 65 475 14 28 545 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
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: 55 90 113 35 179 95 65 475 14 28 545 58
Reduce Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 55 90 113 35 179 95 65 475 14 28 545 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
MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 55 90 113 35 179 95 65 475 14 28 545 58

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.07 1.00 1.00 0.97 1.03 1.00 0.97 1.06 0.97
Lanes: 1.00 1.00 1.00 1.00 0.65 0.35 1.00 1.94 0.06 1.00 2.00 1.00
Final Sat.: 1750 1900 1750 1750 1176 624 1750 3594 106 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.03 0.08 0.06 0.02 0.15 0.15 0.04 0.13 0.13 0.02 0.14 0.03
Crit Moves: **** **** **** ****
Volume/Cap: 0.35 0.19 0.19 0.11 0.14 0.45 0.45 0.41 0.41 0.18 0.45 0.07
Delay/Veh: 25.5 17.1 13.4 20.2 15.3 15.3 26.1 15.7 15.7 24.6 15.9 7.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 25.5 17.1 13.4 20.2 15.3 15.3 26.1 15.7 15.7 24.6 15.9 7.6

Design Queue: 2 3 3 1 5 3 3 14 0 1 16 1
Intersection #3763: SAN CARLOS/WOZ

Final Vol: Lanes: 111 0 1 210*** 41
Signal=Protect/Rights=Include
Vol Crit Date: 4/7/1999
Cycle Time (sec): 77
Loss Time (sec): 12
Critical V/C: 0.505
Avg Crit Del (sec/veh): 17.7
Avg Delay (sec/veh): 16.8
LOS: C

Final Vol: Lanes: 64*** 1 0 1 105 132
Signal=Protect/Rights=Overlap

Lanes: 64*** 1 0 1 105 132
Signal=Protect/Rights=Overlap

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 7 10 10 7 10 10 7 10 10
Volume Module: >> Count Date: 7 Apr 1999 <<
Base Vol: 64 105 132 41 210 111 76 557 16
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Base: 64 105 132 41 210 111 76 557 16
Added Vol: 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0
Initial Fut: 64 105 132 41 210 111 76 557 16
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 64 105 132 41 210 111 76 557 16
Reduc Vol: 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 64 105 132 41 210 111 76 557 16
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 64 105 132 41 210 111 76 557 16

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 1.00 1.00 0.97 1.03 1.00 0.97 1.06 0.97
Lanes: 1.00 1.00 1.00 1.00 0.65 0.35 1.00 1.94 0.06 1.00 2.00 1.00
Final Sat.: 1750 1900 1750 1750 1178 622 1750 3597 103 1750 3800 1750

Capacity Analysis Module:
Vol/Sat: 0.04 0.06 0.08 0.02 0.18 0.18 0.04 0.15 0.15 0.02 0.17 0.04
Crit Moves: **** **** ****
Green Time: 7.0 19.6 26.6 13.7 26.2 26.2 7.0 24.8 24.8 7.0 24.8 38.4
Volume/Cap: 0.40 0.22 0.22 0.13 0.52 0.52 0.48 0.48 0.48 0.21 0.52 0.08
Delay/Veh: 26.0 17.3 13.6 20.3 16.1 16.1 27.0 16.2 16.2 24.7 16.5 7.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjPctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 26.0 17.3 13.6 20.3 16.1 16.1 27.0 16.2 16.2 24.7 16.5 7.6
DesignQueue: 3 3 4 1 6 3 3 17 0 1 19 1
### Intersection #3764: SAN CARLOS/SECOND

**RDA Downtown**  
**Future Conditions**  
**Level Of Service Computation Report**  
**1985 HCM Operations (Future Volume Alternative)**  
**Existing PM**

#### Approach: North Bound

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<th>Movement</th>
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<th>T</th>
<th>R</th>
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<tr>
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<td>10</td>
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#### Approach: South Bound

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<tbody>
<tr>
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<td>10</td>
<td>10</td>
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#### Volume Module: >> Count Date: 2 May 2001 <<

| Base Vol | 72 656 | 127 |
| Growth Adj | 1.00 1.00 1.00 1.00 1.00 |
| Initial Eve | 0 0 0 |
| Added Vol | 0 0 0 |
| ATI | 0 0 0 |
| Initial Fut | 72 656 | 127 |
| User Adj | 1.00 1.00 1.00 1.00 1.00 |
| PHF Volume | 0 0 0 |
| Reduct Vol | 0 0 0 |
| Reduced Vol | 72 656 | 127 |
| PCE Adj | 1.00 1.00 1.00 1.00 |
| MLP Adj | 1.00 1.00 1.00 |
| Final Vol | 72 656 | 127 |

#### Saturation Flow Module:

| Sat/Lane | 1800 1800 1800 |
| Adjustment | 0.97 1.06 0.97 1.00 |
| Lanes | 0.00 0.00 0.00 0.10 |
| Final Sat | 178 1622 1750 |

#### Capacity Analysis Module:

| Vol/Sat | 0.00 0.00 0.40 0.40 |
| Crit Moves | **** **** |
| Green Time | 0.0 0.0 0.0 0.0 32.3 32.3 32.3 |
| Volume/Cap | 0.00 0.00 0.00 0.63 0.63 |
| Delay/Veh | 0.0 0.0 0.0 4.8 4.8 |
| Delay Adj | 1.00 1.00 1.00 |
| ProgAdjFctr | 1.00 1.00 1.00 |
| AdjDel/Veh | 0.0 0.0 0.0 4.8 4.8 |

**Traffic 7.6.0115**  
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### Intersection #3764: SAN CARLOS/SECOND

#### Traffic Flow Module:
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.00 1.00 0.97 1.04 1.00 0.97 1.06 0.97
- **Lanes:** 0.00 0.00 0.00 0.10 0.90 1.00 0.00 1.48 0.52 1.00 2.00 0.00
- **Final Sat.:** 0 0 0 178 1622 1750 0.2768 931 1750 3800 0

#### Capacity Analysis Module:
- **Vol/Sat:** 0.00 0.00 0.00 0.43 0.43 0.08 0.00 0.16 0.16 0.05 0.04 0.00
- **Crit Moves:** ****
- **Green Time:** 0.0 0.0 0.0 32.2 32.2 32.2 0.0 11.8 11.8 11.8 11.8 0.0
- **Volume/Cap:** 0.00 0.00 0.00 0.67 0.67 0.12 0.00 0.67 0.67 0.21 0.18 0.00
- **Delay/Veh:** 0.0 0.0 0.0 5.3 5.3 2.6 0.0 14.6 14.6 11.7 11.6 0.0
- **Delay Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **ProgAdjFctr:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **AdjDel/Veh:** 0.0 0.0 0.0 5.3 5.3 2.6 0.0 14.6 14.6 11.7 11.6 0.0
- **DesignQueue:** 0 0 0 1 8 1 0 10 3 2 3 0
Intersection #3765: SAN CARLOS/10TH

Approach: North Bound  South Bound  East Bound  West Bound
Movement: L - T - R  L - T - R  L - T - R  L - T - R
----------- | ----------- | ----------- | ----------- | ----------- |
Min. Green: 0 0 0 0 10 10 0 0 10 0 0 10 0 0
----------- | ----------- | ----------- | ----------- | ----------- |
Volume Module: >> Count Date: 22 May 1998 <<
Base Vol: 0 0 0 0 82 2671 0 0 0 0 160 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 Bas: 0 0 0 0 82 2671 0 0 0 0 160 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 0 82 2671 0 0 0 0 160 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
FH Value: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PH Volume: 0 0 0 0 82 2671 0 0 0 0 160 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 0 82 2671 0 0 0 0 160 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 0 0 0 82 2671 0 0 0 0 160 0 0
----------- | ----------- | ----------- | ----------- | ----------- |
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.03 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.06 1.94 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Final Sat.: 0 0 0 0 0 110 3590 0 0 0 0 1750 0 0
----------- | ----------- | ----------- | ----------- | ----------- |
Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Crit Moves: ****  ****
Green Time: 0.0 0.0 0.0 0.0 49.0 49.0 0.0 0.0 0.0 0.0 0.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.99 0.99 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Delay/Veh: 0.0 0.0 0.0 0.0 16.5 16.5 0.0 0.0 0.0 0.0 22.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Ctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 0.0 16.5 16.5 0.0 0.0 0.0 0.0 22.0 0.0
DesignQueue: 0 0 0 1 29 0 0 0 0 0 5 0 0
Intersection #3766: SAN CARLOS/THIRD

Final Vol: Lanes: 0 0 0 0 0

Signal=Split/Right=Include

Vol Crit Date: 2007/2001 70

Final Vol: Lanes: 0 82

Loss Time (sec): 9

Critical VC: 0.430

Vol: Protect Rights=Include

Avg Crit Del (sec/veh): 14.8

Lanes: 1 168***

Avg Delay (sec/veh): 13.6

LOS: B

Approach:

Movement: North Bound South Bound East Bound West Bound

Min. Green: 10 10 10 0 10 10 0 10 10 0

Volume Module: >> Count Date: 27 Feb 2001 <<

Base Vol: 81 642 80 0 0 0 82 224 0 0 168 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 Bae: 81 642 80 0 0 0 82 224 0 0 168 82

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

ATI: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 81 642 80 0 0 0 82 224 0 0 168 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: 81 642 80 0 0 0 82 224 0 0 168 82

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

Reduced Vol: 81 642 80 0 0 0 82 224 0 0 168 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

Final Vol: 81 642 80 0 0 0 82 224 0 0 168 82

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800

Adjustment: 1.00 1.02 1.00 0.97 1.06 0.97 0.97 1.06 0.97 1.04 1.00

Lanes: 0.31 2.39 0.30 0.00 0.00 0.00 1.00 1.00 0.00 0.00 1.33 0.67

Final Sat.: 555 4397 548 0 0 0 1750 1900 0 0 2486 1213

Capacity Analysis Module:

Vol/Sat: 0.15 0.15 0.15 0.00 0.00 0.00 0.16 0.12 0.00 0.00 0.07 0.07

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

Green Time: 23.8 23.8 23.8 0.0 0.0 0.0 26.2 37.2 0.0 0.0 11.0 11.0

Volume/Cap: 0.43 0.43 0.43 0.00 0.00 0.00 0.43 0.22 0.00 0.00 0.43 0.43

Delay/Veh: 13.7 13.7 13.7 0.0 0.0 0.0 12.7 6.6 0.0 0.0 20.6 20.6

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

ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 13.7 13.7 13.7 0.0 0.0 0.0 12.7 6.6 0.0 0.0 20.6 20.6

DesignQueue: 2 17 2 0 0 0 7 4 0 0 6 3
Intersection #3766: SAN CARLOS/THIRD

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

Min. Green: 10 10 10 0 0 0 0 10 10 0 0 10 10
Volume Module: >> Count Date: 27 Feb 2001 <<
Base Vol: 79 625 78 0 0 0 275 218 0 0 164 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 Bae: 79 625 78 0 0 0 275 218 0 0 164 80
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PASER ByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 79 625 78 0 0 0 275 218 0 0 164 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: 79 625 78 0 0 0 275 218 0 0 164 80
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 79 625 78 0 0 0 275 218 0 0 164 80
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 79 625 78 0 0 0 275 218 0 0 164 80

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.02 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.04 1.00
Lanes: 0.31 2.39 0.30 0.00 0.00 0.00 1.00 1.00 0.00 0.00 1.33 0.67
Final Sat.: 556 4395 549 0 0 0 1750 1900 0 0 2486 1213

Capacity Analysis Module:
Vol/Sat: 0.14 0.14 0.14 0.00 0.00 0.00 0.00 0.16 0.11 0.00 0.00 0.07 0.07
Crit Moves: **** ****
Green Time: 23.7 23.7 23.7 0.0 0.0 0.0 26.2 37.3 0.0 0.0 11.0 11.0
Volume/Cap: 0.42 0.42 0.42 0.00 0.00 0.00 0.42 0.22 0.00 0.00 0.42 0.42
Delay/Veh: 13.6 13.6 13.6 0.0 0.0 0.0 12.6 6.6 0.0 0.0 20.5 20.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 13.6 13.6 13.6 0.0 0.0 0.0 12.6 6.6 0.0 0.0 20.5 20.5
DesignQueue: 2 17 2 0 0 7 4 0 0 5 3
## Intersection #3772: SAN FERNANDO/10TH

### Traffic Signals
- **Final Vol:** 343
- **Lanes:** 1
- **Vol Ctrl Date:** 9/6/2001
- **Cycle Time (sec):** 65
- **Signal Permit Rights:** Include
- **Loss Time (sec):** 6
- **Critical WC:** 0.570
- **Avg Crit Del (sec/veh):** 9.8
- **Avg Delay (sec/veh):** 9.7
- **LOS:** B

### Movement Details

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Intersection #3772: SAN FERNANDO/10TH

Final Vol: 442  2043  31
Lanes:      1  0  1  1  0

Signal=Split/Rights=include

Vol Ctrl Date: 9/5/2001
Cycle Time (sec): 65
Loss Time (sec): 6
Critical VC: 0.965
Avg Crit Del (sec/veh): 22.9
Avg Delay (sec/veh): 20.4

Lanes: Final Vol: 0 0 0 0 0

Approach: North Bound  South Bound  East Bound  West Bound
Movement:          L - T - R          L - T - R          L - T - R          L - T - R
------------------|------------------|------------------|------------------|------------------|
Min. Green:       0 0 0 0 10 10 10 10 0 0 10 10 10 10 0 0 10 10 10 10 0 0 10 10 10 10 0 0

Volume Module: Count Date: 6 Sep 2001
Base Vol: 0 0 0 31 2043 442 0 295 0 217 951 0
Growth 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 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bas: 0 0 0 31 2043 442 0 295 0 217 951 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 31 2043 442 0 295 0 217 951 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 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 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 0 31 2043 442 0 295 0 217 951 0
Reduct Vol: 0 0 0 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 0 0 31 2043 442 0 295 0 217 951 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 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 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 31 2043 442 0 295 0 217 951 0

Saturation Flow Module:
Adjustment: 0.97 1.06 0.97 1.00 1.03 0.97 0.97 1.06 0.97 1.00 1.03 0.97 1.00 1.03 0.97 1.00 1.03 0.97 1.00 1.03 0.97 1.00
Lanes: 0.00 0.00 0.00 0.03 1.97 1.00 0.00 1.00 1.00 0.38 1.62 0.00
Final Sat.: 0 0 0 55 3645 1750 0 1900 1750 687 3012 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.00 0.56 0.56 0.25 0.00 0.16 0.00 0.32 0.32 0.00
Crit Moves: ****
Green Time: 0.0 0.0 0.0 37.7 37.7 37.7 0.0 21.3 0.0 21.3 21.3 0.0
Volume/Cap: 0.00 0.00 0.00 0.97 0.97 0.43 0.00 0.47 0.00 0.97 0.97 0.00
Delay/Veh: 0.0 0.0 0.0 19.1 19.1 6.0 0.0 13.7 0.0 29.8 29.8 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjCtr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 0.0 0.0 0.0 19.1 19.1 6.0 0.0 13.7 0.0 29.8 29.8 0.0
Design Queue: 0 0 0 1 36 7 0 7 0 6 25 0

Level Of Service Computation Report
1985 HCM Operations (Future Volume Alternative)
Future (PM)
Intersection #3776: SAN PEDRO/TAYLOR

Final Vol: Lanes: 485*** 87 1 0 1 0

Vol Crnt Date: 11/18/998
Cycle Time (sec): 170

Loss Time (sec): 12
Critical VC: 0.521
Avg Del (sec/veh): 31.3

Avg Delay (sec/veh): 33.5

LOS: D

Approach:

North Bound
South Bound
East Bound
West Bound

Movement:
L - T - R
L - T - R
L - T - R
L - T - R

Vol/Sat:
0.06 0.06 0.03 0.08 0.08 0.28 0.06 0.19 0.04 0.02 0.16 0.02

Crit Moves:
****

Green Time:
19.7 19.7 26.7 71.1 71.1 89.0 17.9 60.2 79.9 7.0 49.3 120.4

Volume/Cap:
0.53 0.53 0.19 0.19 0.19 0.53 0.54 0.53 0.09 0.40 0.54 0.03

Delay/Veh:
55.7 55.7 47.4 23.8 23.8 20.8 57.3 33.4 19.0 62.4 39.1 5.6

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

ProgAdjFcrt:
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh:
55.7 55.7 47.4 23.8 23.8 20.8 57.3 33.4 19.0 62.4 39.1 5.6

Design Queue:
7 2 4 3 5 23 9 45 4 3 42 1
Intersection #3776: SAN PEDRO/TAYLOR

Final Vol: 547***
Signal=SplitRights=Overlap

Vol Crit Date: 11/18/1998
Cycle Time (sec): 141
Loss Time (sec): 12
Critical VC: 0.597
Avg Crit Del (sec/veh): 28.0
Avg Delay (sec/veh): 29.4

Lanes: Final Vol.
1 144
2 674
1 33***

LOS: D

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

Min. Green: 10 10 10 10
Volume Module: >> Count Date: 18 Nov 1998 <<
Base Vol: 99 25 60 63 98 547 113 798 87 33 674 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: 99 25 60 63 98 547 113 798 87 33 674 44
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 99 25 60 63 98 547 113 798 87 33 674 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
PHE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHE Volume: 99 25 60 63 98 547 113 798 87 33 674 44
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 99 25 60 63 98 547 113 798 87 33 674 44
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 99 25 60 63 98 547 113 798 87 33 674 44

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.00 0.97 1.00 1.00 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.80 0.20 1.00 0.39 0.61 1.00 1.00 2.00 1.00 1.00 2.00 1.00
Final Sat.: 1437 306 1750 704 1096 1750 1750 3800 1750 1750 3800 1750 1750

Capacity Analysis Module:
Vol/Sat: 0.07 0.07 0.03 0.09 0.09 0.31 0.06 0.21 0.05 0.02 0.18 0.03
Crit Moves: **** ****
Green Time: 16.0 16.0 23.0 57.4 57.4 72.3 14.8 48.6 64.6 7.0 40.8 98.2
Volume/Cap: 0.61 0.61 0.21 0.22 0.61 0.61 0.61 0.61 0.11 0.38 0.61 0.04
Delay/Veh: 48.9 48.9 38.9 20.7 20.7 19.4 50.0 29.7 16.6 50.7 33.6 5.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/6ctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/6veh: 48.9 48.9 38.9 20.7 20.7 19.4 50.0 29.7 16.6 50.7 33.6 5.1
DesignQueue: 7 2 4 3 5 23 8 43 4 2 39 1

Traffix 7.6.0115  Copyright (c) 2003 Dowling Associates, Inc.  Licensed to Hexagon Trans. San Jose
Intersection #3777: SAN PEDRO/ST. JAMES

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LOS: B

Approach: North Bound | South Bound | East Bound | West Bound

Movement: L - T - R | L - T - R | L - T - R | L - T - R

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Volume Module: >> Count Date: 2 May 2002 << 5:00-6:00PM

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Capacity Analysis Module:

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Intersection #3777: SAN PEDRO/ST. JAMES

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**Approach:**

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<th>Growth Adj:</th>
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| Sat/Lane: | Adjustment: | 0.97 1.00 1.00 1.00 1.00 1.00 0.97 1.02 1.00 0.97 1.06 0.97 |
|-----------|-------------|--------------|---------------|------------|

| Lanes: | 0.00 0.45 0.55 0.26 0.74 0.00 0.13 2.65 0.22 0.00 0.00 0.00 |
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| Capacity Analysis Module: | Vol/Sat: | 0.00 0.11 0.11 0.07 0.08 0.00 0.24 0.24 0.24 0.00 0.00 0.00 |
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| Delay Adj: | Prog Adj Fctr: | 0.00 1.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
|------------|----------------|---------------|------------|------------|

| Adj Del/Veh: | 0.00 21.6 21.6 20.7 20.7 | 6.1 6.1 6.1 0.0 0.0 0.0 |
|--------------|-----------------|---------------|------------|------------|

| Design Queue: | 0 3 4 1 4 | 0 1 24 2 | 0 0 0 |
|---------------|---------|--------|--------|---------|
Intersection #3779: SAN SALVADOR/SECOND

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

Min. Green: 0 0 0 10 10 10 0 10 10 10 0
Volume Module: >> Count Date: 21 Feb 2002 << 5:00-6:00PM
Base Vol: 0 0 0 71 653 88 0 92 65 107 147 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 Bee: 0 0 0 71 653 88 0 92 65 107 147 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 71 653 88 0 92 65 107 147 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 0 71 653 88 0 92 65 107 147 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 71 653 88 0 92 65 107 147 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
Final Vol.: 0 0 0 71 653 88 0 92 65 107 147 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97
Lanes: 0.00 0.00 0.00 0.27 2.40 0.33 0.00 0.59 0.41 0.42 0.58 0.00
Final Sat.: 0 0 0 481 4423 596 0 1055 745 758 1042 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.15 0.15 0.15 0.00 0.09 0.09 0.14 0.14 0.00
Crit Moves: **** ****
Green Time: 0.0 0.0 0.0 30.2 30.2 30.2 0.0 28.8 28.8 28.8 28.8 0.0
Volume/Cap: 0.00 0.00 0.00 0.32 0.32 0.32 0.00 0.20 0.20 0.32 0.32 0.00
Delay/Veh: 0.0 0.0 0.0 8.3 8.3 8.3 0.0 8.4 8.4 9.0 9.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 8.3 8.3 8.3 0.0 8.4 8.4 9.0 9.0 0.0
DesignQueue: 0 0 0 1 13 2 0 2 1 2 3 0
## Intersection #3779: SAN SALVADOR/SECOND

### Approach Information

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### Saturation Flow Module

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.00 1.00 0.97 1.00 1.00 0.97 0.97 0.97 1.00 1.00 0.97 |
| Lanes: | 1.00 0.77 0.23 1.00 0.89 0.11 0.08 0.68 0.24 0.43 0.57 0.00 |
| Final Sat.: | 1750 1381 419 1750 1596 204 144 1182 424 766 1034 0 |

### Capacity Analysis Module

| Vol/Sat: | 0.00 0.09 0.09 0.10 0.73 0.73 0.13 0.13 0.13 0.25 0.25 0.00 |
| Crit Time: | **** **** |
| Green Time: | 44.1 44.1 44.1 44.1 44.1 44.1 14.9 14.9 14.9 14.9 14.9 14.9 14.9 14.9 |
| Volume/Cap: | 0.00 0.13 0.13 0.14 1.08 1.08 0.58 0.58 0.58 1.08 1.08 0.00 |
| Delay/Veh: | 2.6 2.6 2.6 2.6 2.6 53.4 53.4 18.4 18.4 18.4 78.9 78.9 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdj/Veh: | 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 |
| Adj Del/Veh: | 2.6 2.6 2.6 2.6 2.6 53.4 53.4 18.4 18.4 18.4 78.9 78.9 0.0 |
| Design Queue: | 0 1 2 1 2 1 4 2 6 8 0 |
Intersection #3780: SAN SALVADOR/10TH

**Approach:**

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Intersection #3780: SAN SALVADOR/10TH

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

Min. Green: 0 0 10 10 10 10 10 10

Volume Module: >> Count Date: 24 Apr 2001
Base Vol: 0 0 34 2055 126 0 119 52 36 97 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 Bae: 0 0 34 2055 126 0 119 52 36 97 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 34 2055 126 0 119 52 36 97 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 34 2055 126 0 119 52 36 97 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 34 2055 126 0 119 52 36 97 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
Final Vol.: 0 0 34 2055 126 0 119 52 36 97 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.00 0.97 1.00 1.00 1.00 1.00 0.97
Lanes: 0.00 0.00 0.00 0.03 1.86 0.11 0.00 0.70 0.30 0.27 0.73 0.00
Final Sat.: 0 0 55 3340 205 0 1253 547 487 1313 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.62 0.62 0.62 0.00 0.09 0.10 0.07 0.07 0.00
Crit Moves:** ****
Green Time: 0.0 0.0 0.0 49.0 49.0 49.0 0.0 10.0 10.0 10.0 10.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.82 0.82 0.82 0.00 0.62 0.62 0.48 0.48 0.00
Delay/Veh: 0.0 0.0 0.0 5.3 5.3 5.3 0.0 22.4 22.4 20.1 20.1 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 5.3 5.3 5.3 0.0 22.4 22.4 20.1 20.1 0.0
DesignQueue: 0 0 0 0 22 1 4 2 1 3 0
Intersection #3781: SAN SALVADOR/THIRD

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Saturation Flow Module:
| Adjustment:    | 1.00 1.02 1.00 0.97 1.06 0.97 1.00 1.00 0.97 0.97 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Lanes:         | 0.25 2.43 0.32 0.00 0.00 0.00 0.30 0.70 0.00 0.00 0.43 0.57 0.00 0.00 0.00 0.00 0.00 |
| Final Sat.:    | 454 4462 583 0 0 0 534 1266 0 0 774 1026 0 0 0 0 0 0 |

Capacity Analysis Module:
| Vol/Sat:       | 0.09 0.09 0.09 0.00 0.00 0.00 0.08 0.08 0.00 0.00 0.00 0.21 0.21 |
| Crit Moves:    | ****        |
| Green Time:    | 19.8 19.8 19.8 0.0 0.0 0.0 44.2 44.2 0.0 0.0 44.2 44.2 |
| Volume/Cap:    | 0.33 0.33 0.33 0.00 0.00 0.00 0.13 0.13 0.00 0.00 0.00 0.33 0.33 |
| Delay/Veh:     | 15.1 15.1 15.1 0.0 0.0 0.0 3.9 3.9 0.0 0.0 4.6 4.6 |
| Delay Adj:     | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr:   | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh:    | 15.1 15.1 15.1 0.0 0.0 0.0 3.9 3.9 0.0 0.0 4.6 4.6 |
| Design Queue:  | 1 12 2 0 0 0 1 1 0 0 2 3 |
Intersection #3782: SANTA CLARA/SECOND

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| Vol Ctrl Date: | 5/2/2001 |
| Cycle Time (sec): | 65 |
| Loss Time (sec): | 6 |
| Critical VC: | 0.524 |
| Avg Crit Del (secVeh): | 9.5 |
| Avg Delay (secVeh): | 8.7 |
| Final Vol: | 1 |
| Lanes: | 137 |

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<td>0 0 0</td>
<td>66 320 69</td>
<td>1 772 166 137 498 1</td>
<td></td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHF Volume:</td>
<td>0 0 0</td>
<td>66 320 69</td>
<td>1 772 166 137 498 1</td>
<td></td>
</tr>
<tr>
<td>Reduce Vol:</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>0 0 0</td>
<td>66 320 69</td>
<td>1 772 166 137 498 1</td>
<td></td>
</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MLP Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Final Vol:</td>
<td>0 0 0</td>
<td>66 320 69</td>
<td>1 772 166 137 498 1</td>
<td></td>
</tr>
</tbody>
</table>

Saturation Flow Module:
| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 0.97 1.00 1.00 0.97 1.00 1.00 1.00 0.97 1.03 1.00 |
| Lanes: | 0.00 0.00 0.00 0.17 0.83 1.00 0.01 1.64 0.35 1.00 1.99 0.01 |
| Final Sat.: | 0.00 0.00 0.00 308 1492 1750 4 2960 636 1750 3693 7 |

Capacity Analysis Module:
| Vol/Cap: | 0.00 0.00 0.00 0.21 0.21 0.04 0.26 0.26 0.26 0.08 0.13 0.13 |
|_crit Moves: ** ** |
| Green Time: | 0.0 0.0 0.0 26.6 26.6 26.6 32.4 32.4 32.4 32.4 32.4 32.4 |
| Volume/Cap: | 0.00 0.00 0.00 0.52 0.52 0.10 0.52 0.52 0.52 0.16 0.27 0.27 |
| Delay/Veh: | 0.0 0.0 0.0 11.5 11.5 9.0 8.6 8.6 8.6 8.6 7.2 7.2 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjVeh: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| Adj Del/Veh: | 0.0 0.0 0.0 11.5 11.5 9.0 8.6 8.6 8.6 8.6 7.2 7.2 |
| Design Queue: | 0 0 0 1 7 1 0 15 3 3 9 0 |
### Intersection #3782: SANTA CLARA/SECOND

#### Traffic Flow Module:

<table>
<thead>
<tr>
<th>Sat/Lane:</th>
<th>1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustment:</td>
<td>0.97 0.97 1.00 0.97 1.00 0.97 1.00 0.97 0.97 1.00 0.97 0.97 1.00 0.97 0.97</td>
</tr>
<tr>
<td>Lanes:</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
</tr>
<tr>
<td>Final Sat.:</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00</td>
</tr>
</tbody>
</table>

#### Capacity Analysis Module:

| Vol/Sat: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Green Time: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Volume/Cap: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Delay/Veh: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Delay Adj: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| ProgAdjFct: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| AdjDel/Veh: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| DesignQueue: | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
**Intersection #3785: SANTA CLARA/10TH**

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>Lanes:</th>
<th>Signal=Split/Rights=Induce</th>
</tr>
</thead>
<tbody>
<tr>
<td>12**</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>778***</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>219</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

| Vol Ctr Date: Cycle Time (sec): 2022/01/01 75 |
|--------------------------|-----------------------------------------------|
| Loss Time (sec):         9 |
| Critical V/C: 0.777       |
| Avg Crit Del (sec/veh): 19.1 |
| Avg Delay (sec/veh): 17.1 |
| Final Vol:               0 |

**Approach:**

<table>
<thead>
<tr>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------</td>
<td>------------</td>
</tr>
</tbody>
</table>

**Level of Service Computation Report**

**1985 HCM Operations (Future Volume Alternative)**

**Existing (PM)**

**Movement:**

- Minimum Green:
  - North: 10
  - South: 10
  - East: 10
  - West: 7

**Volume Module:**

- Base Vol: 148 1313 92 0 778 219 230 587
- Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Initial Bge: 148 1313 92 0 778 219 230 587
- Added Vol: 0 0 0 0 0 0 0 0
- ATI: 0 0 0 0 0 0 0 0
- Initial Fut: 148 1313 92 0 778 219 230 587
- User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- PHF Volume: 148 1313 92 0 778 219 230 587
- Reduced Vol: 0 0 0 0 0 0 0 0
- Reduced Vol: 148 1313 92 0 778 219 230 587
- PE2 Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Final Vol: 148 1313 92 0 778 219 230 587

**Saturation Flow Module:**

- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.04 0.97 1.00 1.02 1.00 0.97 1.04 1.00 0.97 1.06
- Lanes: 0.00 0.00 0.00 0.29 2.53 0.18 0.00 1.55 0.45 1.00 2.00
- Final Sat: 524 4650 326 0.2887 813 1750

**Capacity Analysis Module:**

- Vol/Sat: 0.00 0.00 0.00 0.28 0.28 0.28 0.00 0.27 0.27 0.13 0.15
- Crit Moves: 0 0 0 0 0 0 0 0 0 0 0
- Green Time: 0.0 0.26 0.6 12.7 39.7
- Volume/Cap: 0.00 0.00 0.78 0.78 0.78 0.78 0.78 0.78 0.30
- Delay/Veh: 0.0 17.5 17.5 17.5 0.0 18.8 18.8 31.0 7.9
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- PrgAdyPrtr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
- DesignQueue: 0 0 0 4 38 3 0 23 6 8 12
**Intersection #3785: SANTA CLARA/10TH**

<table>
<thead>
<tr>
<th>Final Vol: Lanes:</th>
<th>Signal=Split/Rights=include</th>
<th>Vol Crt Date: Cycle Time (sec):</th>
<th>Signal=Protect Rights=include</th>
<th>Lanes: Final Vol:</th>
</tr>
</thead>
<tbody>
<tr>
<td>56 1</td>
<td></td>
<td>22/2/2001</td>
<td></td>
<td>0  29</td>
</tr>
<tr>
<td>1049*** 1</td>
<td></td>
<td></td>
<td></td>
<td>1  796</td>
</tr>
<tr>
<td>409 0</td>
<td></td>
<td></td>
<td></td>
<td>1  281***</td>
</tr>
</tbody>
</table>

**Approach:**

<table>
<thead>
<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>Min. Green</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Base Vol:</td>
<td>60 409</td>
<td>56 409</td>
<td>56 281</td>
<td>281</td>
</tr>
<tr>
<td>Growth Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>Initial Base:</td>
<td>60 409</td>
<td>56 409</td>
<td>56 281</td>
<td>281</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
</tr>
<tr>
<td>PasserByVol:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
</tr>
<tr>
<td>Initial Fut:</td>
<td>60 409</td>
<td>56 409</td>
<td>56 281</td>
<td>281</td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>PHF Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>PHF Volume:</td>
<td>60 409</td>
<td>56 409</td>
<td>56 281</td>
<td>281</td>
</tr>
<tr>
<td>Reduct Vol:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>60 409</td>
<td>56 409</td>
<td>56 281</td>
<td>281</td>
</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>MLP Adj:</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
<td>1.00 1.00</td>
</tr>
<tr>
<td>Final Vol:</td>
<td>60 409</td>
<td>56 409</td>
<td>56 281</td>
<td>281</td>
</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 | 1800 1800 | 1800 1800 | 1800 1800 |
| Adjustment: | 0.97 0.97 | 0.97 0.97 | 0.97 0.97 | 0.97 0.97 |
| Lanes: | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| Final Sat.: | 182 3248 | 170 2661 | 1038 3574 | 126        |

**Capacity Analysis Module:**

| Vol/Sat: | 0.00 0.00 | 0.00 0.00 | 0.33 0.33 | 0.33 0.33 |
| Crit Moves: | **** | **** | **** | **** |
| Green Time: | 0.0 0.0 | 24.6 24.6 | 7.0 29.4 | 29.4 12.0 |
| Volume/Cap: | 0.00 0.00 | 1.00 1.00 | 0.34 1.00 | 1.00 0.49 |
| Delay/Veh: | 0.0 0.0 | 40.4 40.4 | 24.7 36.5 | 36.5 66.6 |
| Delay Adj: | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 | 1.00 1.00 |
| DesignQueue: | 0 0 | 2 3 | 2 2 | 30 11 |

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**Intersection #3786: SANTA CLARA/THIRD**

**Approach:**

<table>
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<th>Movement</th>
<th>North Bound</th>
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<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
</tbody>
</table>

**Min. Green:**

|          | 10          | 10          | 7           | 10         | 0          | 10          | 0          | 10         |

**Volume Module:**

<table>
<thead>
<tr>
<th>&gt;&gt; Count Date: 21 Feb 2001 &lt;&lt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Vol: 113 332 205</td>
</tr>
<tr>
<td>Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>Initial Bas: 113 332 205</td>
</tr>
<tr>
<td>Added Vol: 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>ATC: 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>Initial Fut: 113 332 205</td>
</tr>
<tr>
<td>User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>PHF Volume: 113 332 205</td>
</tr>
<tr>
<td>Reduct Vol: 0 0 0 0 0 0 0 0</td>
</tr>
<tr>
<td>Reduced Vol: 113 332 205</td>
</tr>
<tr>
<td>PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>MLP Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
</tr>
<tr>
<td>Final Vol: 113 332 205</td>
</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 1.00 1.05 0.97 1.06 0.97 1.06 0.97 1.03 |
| Lanes: 0.79 2.21 1.00 0.00 0.00 0.00 1.00 2.00 |
| Final Sat.: 1421 4176 1750       |

**Capacity Analysis Module:**

| Vol/Sat: 0.08 0.08 0.12 0.00 0.00 0.00 0.05 0.20 |
| Crit Moves: **** **** |
| Green Time: 22.0 22.0 22.0 0.0 0.0 0.0 9.2 39.0 |
| Volume/Cap: 0.25 0.25 0.37 0.00 0.00 0.00 0.37 0.37 |
| Delay/Veh: 13.6 13.6 14.4 0.0 0.0 0.0 21.6 6.6 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjPrct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: 13.6 13.6 14.4 0.0 0.0 0.0 21.6 6.6 |
| DesignQueue: 3 9 6 0 0 3 14 0 0 11 2  |
**Intersection #3794: SECOND/ST. JAMES**

**Signal-Split/Rights=Include**

<table>
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<tr>
<th>Final Vol:</th>
<th>Lanes:</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>1</th>
<th>0</th>
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<tr>
<td>Signal-Split</td>
<td>Rights=Include</td>
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<tr>
<td>Vol Ctrl Date:</td>
<td>Cycle Time (sec):</td>
<td>3/17/1998</td>
<td>50</td>
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</tr>
<tr>
<td>Loss Time (sec):</td>
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<td>6</td>
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<tr>
<td>Critical VC:</td>
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<td>0.393</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Avg Ctrl Del (sec/veh):</td>
<td></td>
<td>7.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Avg Delay (sec/veh):</td>
<td></td>
<td>7.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOS:</td>
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**Approach:**

<table>
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<tr>
<th>Movement:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>Min. Green:</td>
<td>0 0 0</td>
<td>10 10 0</td>
<td>0 10 10</td>
<td>0 0 0</td>
</tr>
<tr>
<td>Volume Module:</td>
<td>&gt;&gt; Count Date:</td>
<td>17 Mar 1998 &lt;&lt;</td>
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</tr>
<tr>
<td>Base Vol:</td>
<td>0 0 0</td>
<td>91 205 0</td>
<td>19 587 47</td>
<td>0 0 0</td>
</tr>
<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial Bae:</td>
<td>0 0 0</td>
<td>91 205 0</td>
<td>19 587 47</td>
<td>0 0 0</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
</tr>
<tr>
<td>ATI:</td>
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<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
</tr>
<tr>
<td>Initial Fut:</td>
<td>0 0 0</td>
<td>91 205 0</td>
<td>19 587 47</td>
<td>0 0 0</td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHF Volume:</td>
<td>0 0 0</td>
<td>91 205 0</td>
<td>19 587 47</td>
<td>0 0 0</td>
</tr>
<tr>
<td>Reduct Vol:</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0 0</td>
</tr>
<tr>
<td>Reduced Vol:</td>
<td>0 0 0</td>
<td>91 205 0</td>
<td>19 587 47</td>
<td>0 0 0</td>
</tr>
<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
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<td>MLF Adj:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Final Vol:</td>
<td>0 0 0</td>
<td>91 205 0</td>
<td>19 587 47</td>
<td>0 0 0</td>
</tr>
</tbody>
</table>

**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: | 0.97 1.06 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.06 0.97 |
| Lanes: | 0.00 0.00 0.00 0.31 0.69 0.00 0.06 1.80 0.14 0.00 0.00 0.00 |
| Final Sat.: | 0 0 0 553 1247 0 105 3236 259 0 0 0 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.00 0.00 0.00 0.16 0.16 0.00 0.18 0.18 0.18 0.00 0.00 0.00 |
| Crit Moves: | **** |
| Green Time: | 0.0 0.0 0.0 20.9 20.9 0.0 23.1 23.1 23.1 0.0 0.0 0.0 |
| Volume/Cap: | 0.00 0.00 0.00 0.39 0.39 0.00 0.39 0.39 0.39 0.00 0.00 0.00 |
| Delay/Veh: | 0.0 0.0 0.0 7.9 7.9 0.0 6.8 6.8 6.8 0.0 0.0 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 0.0 0.0 7.9 7.9 0.0 6.8 6.8 6.8 0.0 0.0 0.0 |
| DesignQueue: | 0 0 0 2 3 0 0 9 1 0 0 0 |
Intersection #3794: SECOND/ST. JAMES

Signal=Split/Rights=Include
Final Vol: 450 1 200***

Final Vol: Lanes: 0 0 0 0 0

Vol Crit Date: 3/17/1998
Cycle Time (sec): 50
Loss Time (sec): 6

Critical VC: 0.63
Avg Crit Del (sec/veh): 14.1

103***
Avg Delay (sec/veh): 14.1

Lanes: Final Vol:
0 0

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

--------- |--------- |--------- |--------- |--------- |
Min. Green: 10 10 10 10 10 10 10 10
--------- |--------- |--------- |--------- |--------- |
Volume Module: >> Count Date: 17 Mar 1998 <<
Base Vol: 0 0 0 200 450 0 42 1288 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
Initial Bse: 0 0 0 200 450 0 42 1288 103 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 200 450 0 42 1288 103 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: 0 0 0 200 450 0 42 1288 103 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 200 450 0 42 1288 103 0 0
--------- |--------- |--------- |--------- |--------- |
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.31 0.69 0.00 0.06 1.80 0.14 0.00 0.00 0.00
Final Sat.: 0 0 0 554 1246 0 106 3236 259 0 0 0
--------- |--------- |--------- |--------- |--------- |
Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.36 0.36 0.00 0.40 0.40 0.40 0.00 0.00 0.00
Crit Moves: ****
Green Time: 0.0 0.0 0.0 20.9 20.9 0.0 23.1 23.1 23.1 0.0 0.0 0.0
Volume/Cap: 0.00 0.00 0.00 0.86 0.86 0.00 0.86 0.86 0.86 0.00 0.00 0.00
Delay/Veh: 0.0 0.0 0.0 17.2 17.2 0.0 12.7 12.7 12.7 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 17.2 17.2 0.0 12.7 12.7 12.7 0.0 0.0 0.0
DesignQueue: 0 0 0 4 8 0 1 21 2 0 0 0
### Intersection #3796: SECOND/VIRGINIA

**Final Vol:**
- Lanes: 83 669 62

**Vol Crit Date:** 3/23/1999
- Cycle Time: 65 seconds

**Signal-Permit Rights:**
- Include

**Loss Time (sec):**
- 6

**Critical V/C:**
- 0.287

**Avg Crit Del (sec/veh):**
- 7.5

**Avg Delay (sec/veh):**
- 7.8

**LOS:**
- B

**Approach:**

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<th>West Bound</th>
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<td>0 0 0</td>
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**Saturation Flow Module:**

| Sat/Lane: | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustmen:| 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97  |
| Lanes:    | 0.00 0.00 0.00 0.23 2.46 0.31 0.00 0.78 0.22 0.35 0.65 0.00 |
| Final Sat:| 0 0 0 0 419 4520 561 0 1401 399 631 1169 0 |

**Capacity Analysis Module:**

| Vol/Sat: | 0.00 0.00 0.00 0.15 0.15 0.15 0.00 0.11 0.11 0.07 0.06 0.00 |
| Crit Moves: | **** |
| Green Time:| 0.0 0.0 0.0 33.5 33.5 33.5 0.0 25.5 25.5 25.5 25.5 0.0 |
| Volume/Cap:| 0.00 0.00 0.00 0.29 0.29 0.29 0.00 0.29 0.29 0.17 0.17 0.00 |
| Delay/Veh: | 0.0 0.0 0.0 6.8 6.8 6.8 0.0 10.3 10.3 9.8 9.8 0.0 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDel/Veh: | 0.0 0.0 0.0 6.8 6.8 6.8 0.0 10.3 10.3 9.8 9.8 0.0 |
| DesignQueue: | 0 0 0 1 12 2 0 4 1 1 2 0 |
Intersection #3796: SECOND/VIRGINIA

Approach:  
North Bound  |  South Bound  |  East Bound  |  West Bound
Movement:  |  L - T - R  |  L - T - R  |  L - T - R  |  L - T - R
---------- | ------------ | ------------ | ------------ | ------------
Min. Green:  | 10 10 10 10 10 10 10 10 10 10 10 10
---------- | ------------ | ------------ | ------------ | ------------
Volume Module:  | 26 Feb 2002 << 5:00-6:00PM
Base Vol:  | 21 216 67 53 482 76 36 238 26 23 106 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 Bae:  | 21 216 67 53 482 76 36 238 26 23 106 54
Added Vol:  | 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol:  | 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut:  | 21 216 67 53 482 76 36 238 26 23 106 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:  | 21 216 67 53 482 76 36 238 26 23 106 54
Reduced Vol:  | 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Fut:  | 21 216 67 53 482 76 36 238 26 23 106 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
Final Vol.:  | 21 216 67 53 482 76 36 238 26 23 106 54
---------- | ------------ | ------------ | ------------ | ------------
Saturation Flow Module:  
Sat/Lane:  | 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment:  | 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes:  | 0.07 0.71 0.22 0.09 0.79 0.12 0.12 0.79 0.09 0.13 0.58 0.29
Final Sat.:  | 121 1243 386 152 1381 218 210 1388 152 220 1014 516
---------- | ------------ | ------------ | ------------ | ------------
Capacity Analysis Module:  
Vol/Sat:  | 0.17 0.17 0.17 0.35 0.35 0.35 0.17 0.17 0.17 0.10 0.10 0.10
Crit Moves:  | **** ****
Green Time:  | 39.6 39.6 39.6 39.6 39.6 39.6 19.4 19.4 19.4 19.4 19.4 19.4
Volume/Cap:  | 0.29 0.29 0.29 0.57 0.57 0.57 0.57 0.57 0.57 0.35 0.35 0.35
Delay/Veh:  | 4.6 4.6 4.6 4.6 4.6 4.6 15.8 15.8 15.8 15.8 13.7 13.7
Delay Adj:  | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Proorgpct:  | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh:  | 4.6 4.6 4.6 4.6 4.6 4.6 15.8 15.8 15.8 15.8 13.7 13.7
DesignQueue:  | 0 3 1 1 7 1 1 6 1 1 3 1

Traffic 7.6.0115  Copyright (c) 2003 Dowling Associates, Inc.  Licensed to Hexagon Trans. San Jose
Intersection #3797: SECOND/WILLIAM

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 0 10 10 10 10 10 10 10 10 10 10 10 10 10
Volume Module: >> Count Date: 30 Mar 1999 <<
Base Vol: 0 0 0 0 80 642 0 97 71 78 60 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Base: 0 0 0 0 80 642 39 0 97 71 78 60 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 0 80 642 39 0 97 71 78 60 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 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: 0 0 0 0 80 642 39 0 97 71 78 60 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PCU Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 0 80 642 39 0 97 71 78 60 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97
Lanes: 0.00 0.00 0.00 0.32 2.52 0.16 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Final Sat.: 0 0 0 0 578 4640 282 0 1039 761 1017 783

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.14 0.14 0.14 0.00 0.09 0.09 0.08 0.08 0.00
Crit Moves: **** ****
Green Time: 0.0 0.0 0.0 35.2 35.2 35.2 0.0 23.8 23.8 23.8 23.8 0.0
Volume/Cap: 0.00 0.00 0.00 0.26 0.26 0.26 0.00 0.26 0.26 0.26 0.21 0.21 0.00
Delay/Veh: 0.0 0.0 0.0 6.0 6.0 6.0 0.0 11.0 11.0 10.8 10.8 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 6.0 6.0 6.0 0.0 11.0 11.0 10.8 10.8 0.0
DesignQueue: 0 0 0 1 1 1 0 2 2 2 2 1 0
### Intersection #3797: SECOND/WILLIAM

**Final Vol:**
- Lanes: 63
- Signal=Permit/Rights=Include

**Vol Crit Date:**
- Cycle Time (sec): 102
- Loss Time (sec): 6
- Critical WC: 0.844
- Avg Crit Del (sec/veh): 13.7
- Avg Delay (sec/veh): 12.5
- LOS: B

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**Approach:**
- North Bound
- South Bound
- East Bound
- West Bound

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#### Saturation Flow Module:
- Adjustment: 0.97 1.00 1.00 0.97 1.00 1.00 0.97 0.97 0.97 1.00 1.00 0.97
- Lanes: 1.00 0.91 0.91 1.00 0.94 0.96 0.97 0.95 0.55 0.40 0.20 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10
- Final Sat.: 1750 1654 155 1750 1694 106 94 955 701 923 877 0

#### Capacity Analysis Module:
- Vol/Sat.: 0.02 0.09 0.09 0.06 0.60 0.60 0.17 0.17 0.17 0.11 0.11 0.10
- Crit Moves: **** **** ****
- Green Time: 45.9 45.9 45.9 45.9 45.9 45.9 31.1 31.1 31.1 31.1 31.1 31.1 31.1 31.1 31.1 0.0
- Volume/Cap: 0.03 0.13 0.13 0.08 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
- Delay/Veh: 2.2 2.3 2.3 2.3 9.1 9.1 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdj/Focr: 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 1.00 1.00 1.00
- AdjDel/Veh: 2.2 2.3 2.3 2.3 9.1 9.1 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6
- DesignQueue: 0 2 0 1 13 1 0 5 4 3 3 0
Intersection #3804: SEVENTH/VIRGINIA

Approach: North Bound  South Bound  East Bound  West Bound
Movement: L - T - R  L - T - R  L - T - R  L - T - R
Min. Green: 10 10 10 10 10 10 10 0

Volume Module: >> Count Date: 17 Oct 2000 <<
Base Vol: 240 305 283 815 0 437 247 211 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 Base: 240 305 283 815 0 437 247 211 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 240 305 283 815 0 437 247 211 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: 240 305 283 815 0 437 247 211 0 0 0
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 240 305 283 815 0 437 247 211 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
Final Vol: 240 305 283 815 0 437 247 211 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.06 0.97 0.97 1.05 0.97 0.97 1.06 0.97
Lanes: 0.00 1.00 1.00 1.00 1.00 0.00 1.96 1.04 1.00 0.00 0.00 0.00
Final Sat.: 1900 1750 1750 1900 0 3479 1966 1750 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.13 0.17 0.16 0.43 0.00 0.13 0.13 0.12 0.00 0.00 0.00
Crit Moves: ****  ****
Green Time: 0.0 30.5 30.5 28.3 58.8 0.0 17.2 17.2 17.2 0.0 0.0 0.0
Volume/Cap: 0.00 0.35 0.49 0.49 0.62 0.00 0.62 0.62 0.60 0.00 0.00 0.00
Delay/Veh: 0.0 15.3 16.6 17.7 6.0 0.0 24.3 24.3 25.3 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 15.3 16.6 17.7 6.0 0.0 24.3 24.3 25.3 0.0 0.0 0.0
DesignQueue: 0 8 10 9 13 0 17 10 8 0 0 0
**Intersection #3810: ST. JAMES/10TH**

<table>
<thead>
<tr>
<th>Final Vol:</th>
<th>Signal=SplitRights=Include</th>
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<tbody>
<tr>
<td>Lanes:</td>
<td>1407***</td>
</tr>
<tr>
<td>0</td>
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</tbody>
</table>

**Vol Crt Date:** 3/20/2001
**Cycle Time (sec):** 65
**Loss Time (sec):** 6
**Critical WC:** 0.497
**Avg Crit Del (sec/veh):** 8.8
**Avg Delay (sec/veh):** 8.9

**LOS:** B

---

### Approach:

<table>
<thead>
<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>-----------</td>
<td>-------------</td>
<td>-------------</td>
<td>------------</td>
<td>------------</td>
</tr>
<tr>
<td>Min. Green:</td>
<td></td>
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<tr>
<td>0 0 0 0 10 10 0 0 10 10 0 0 0 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Volume Module:** >> Count Date: 20 Mar 2001 <<

**Base Vol:**
- 0 0 0 100 1407 0 0 692 116 0 0 0

**Growth Adj:**
- 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

**Initial Bee:**
- 0 0 0 0 100 1407 0 0 692 116 0 0 0

**Added Vol:**
- 0 0 0 0 0 0 0 0 0 0 0 0 0 0

**ATI:**
- 0 0 0 0 0 0 0 0 0 0 0 0 0 0

**Initial Fut:**
- 0 0 0 0 100 1407 0 0 692 116 0 0 0

**User Adj:**
- 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

**PHF Adj:**
- 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:**
- 0 0 0 0 100 1407 0 0 692 116 0 0 0

**Reduct Vol:**
- 0 0 0 0 0 0 0 0 0 0 0 0 0 0

**Reduced Vol:**
- 0 0 0 0 100 1407 0 0 692 116 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 1.00

**MLP Adj:**
- 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

**Final Vol:**
- 0 0 0 0 100 1407 0 0 692 116 0 0 0

---

### Saturation Flow Module:

<table>
<thead>
<tr>
<th>Sat/Lane:</th>
<th>1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800</th>
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<tbody>
<tr>
<td>Adjustment:</td>
<td>0.97 1.06 0.97 1.00 1.04 0.97 0.97 1.06 0.97 0.97 1.06 0.97</td>
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<tr>
<td>Lanes:</td>
<td>0.00 0.00 0.00 0.21 2.79 0.00 0.00 2.00 1.00 0.00 0.00 0.00 0.00 0.00</td>
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<tr>
<td>Final Sat.:</td>
<td>0 0 0 372 5228 0 0 3800 1750 0 0 0</td>
</tr>
</tbody>
</table>

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### Capacity Analysis Module:

**Vol/Sat:**
- 0.00 0.00 0.00 0.27 0.27 0.00 0.00 0.18 0.07 0.00 0.00 0.00

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

**Green Time:**
- 0.0 0.0 0.0 35.2 35.2 0.0 0.0 23.8 23.8 0.0 0.0 0.0

**Volume/Cap:**
- 0.00 0.00 0.00 0.50 0.50 0.00 0.00 0.50 0.18 0.00 0.00 0.00

**Delay/Veh:**
- 0.00 0.00 0.00 7.2 7.2 0.0 0.0 12.4 10.6 0.0 0.0 0.0

**Delay Adj:**
- 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

**ProgAdjFctr:**
- 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

**AdjDel/Veh:**
- 0.0 0.0 0.0 7.2 7.2 0.0 0.0 12.4 10.6 0.0 0.0 0.0

**DesignQueue:**
- 0 0 0 2 25 0 0 17 3 0 0 0
**Intersection #3610: ST. JAMES/10TH**

### Signal Parameters

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<tr>
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<th>Signal=Permit Rights=Include</th>
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<tr>
<td>Lanes: 0</td>
<td>Lanes: 0</td>
</tr>
<tr>
<td>Vol Crit Date: 3/2/2001</td>
<td>Vol Crit Date: 65</td>
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<tr>
<td>Cycle Time (sec): 6</td>
<td>Cycle Time (sec): 6</td>
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<tr>
<td>Loss Time (sec): 6</td>
<td>Loss Time (sec): 1</td>
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<tr>
<td>Critical VC: 1.162</td>
<td>Critical VC: 1.162</td>
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<tr>
<td>Avg Crit Del (sec/veh): 104.6</td>
<td>Avg Crit Del (sec/veh): 104.6</td>
</tr>
<tr>
<td>Avg Delay (sec/veh): 71.2</td>
<td>Avg Delay (sec/veh): 71.2</td>
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<tr>
<td>LOS: F</td>
<td>LOS: F</td>
</tr>
</tbody>
</table>

### Movement Details

<table>
<thead>
<tr>
<th>Approach:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
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<tr>
<td>Min. Green:</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
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<tr>
<td>Volume Module:</td>
<td>20 Mar 2001</td>
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<td></td>
</tr>
<tr>
<td>Base Vol:</td>
<td>51 446 29</td>
<td>41 1168 61</td>
<td>39 622 48</td>
<td>33 390 16</td>
</tr>
<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Initial Bas:</td>
<td>51 446 29</td>
<td>41 1168 61</td>
<td>39 622 48</td>
<td>33 390 16</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
</tr>
<tr>
<td>PasserByVol:</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
</tr>
<tr>
<td>Initial Fut:</td>
<td>51 446 29</td>
<td>41 1168 61</td>
<td>39 622 48</td>
<td>33 390 16</td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
<td></td>
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<tr>
<td>PHF Adj:</td>
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<td>PHF Volume:</td>
<td>51 446 29</td>
<td>41 1168 61</td>
<td>39 622 48</td>
<td>33 390 16</td>
</tr>
<tr>
<td>Reduct Vol:</td>
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<td>0 0</td>
<td>0 0</td>
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<tr>
<td>Reduced Vol:</td>
<td>51 446 29</td>
<td>41 1168 61</td>
<td>39 622 48</td>
<td>33 390 16</td>
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<tr>
<td>PCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Final Vol:</td>
<td>51 446 29</td>
<td>41 1168 61</td>
<td>39 622 48</td>
<td>33 390 16</td>
</tr>
</tbody>
</table>

### Saturation Flow Module

- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00
- Lanes: 1.00 0.94 0.06 1.00 0.95 0.05 1.00 0.93 0.07 1.00 0.96 0.04
- Final Sat.: 1750 1690 110 1750 1711 89 1750 1671 129 1750 1729 71

### Capacity Analysis Module

- Vol/Sat: 0.03 0.26 0.26 0.02 0.68 0.68 0.02 0.37 0.37 0.02 0.23 0.23
- Crit Moves: **** ****
- Green Time: 38.2 38.2 38.2 38.2 38.2 20.8 20.8 20.8 20.8 20.8 20.8
- Volume/Cap: 0.05 0.45 0.45 0.04 1.16 1.16 0.07 1.16 1.16 0.06 0.70 0.70
- Delay/Veh: 4.3 5.9 5.9 4.3 100 100 100 11.7 113 112.7 11.6 17.4 17.4
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdDel/Veh: 4.3 5.9 5.9 4.3 100 100 100 11.7 113 112.7 11.6 17.4 17.4
- DesignQueue: 1 7 0 1 21 1 1 17 1 1 10 0
Intersection #3811: ST. JAMES/THIRD

**Approach:**

**Movement:**

<table>
<thead>
<tr>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
</tbody>
</table>

**Min. Green:**

| 0 | 10 | 10 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 |

**Volume Module:**

Base Vol: 0 349 140 0 0 0 0 0 0 0 0 0

**Growth Adj:**

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

**PHF Adj:**

PHF Adj: 1.00 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 | 349 | 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Reduced Vol:**

| 0 | 349 | 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**PCE Adj:**

| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

**MLF Adj:**

| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

**Final Vol:**

| 0 | 349 | 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Saturation Flow Module:**

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.06 0.97 1.06 0.97 1.00 1.03 0.97 0.97 1.06 0.97 |
| Lanes: 0.00 3.00 1.00 0.00 0.00 0.00 0.00 26.174 0.00 0.00 0.00 0.00 |
| Final Sat.: 0 3700 1750 0 0 0 477 3223 0 0 0 0 |

**Capacity Analysis Module:**

| Vol/Sat: 0.00 0.06 0.08 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Crit Moves: **** |
| Green Time: 0.0 10.0 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| Volume/Cap: 0.00 0.28 0.36 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Delay/Veh: 0.0 11.1 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctn: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDelay/Veh: 0.0 11.1 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 |
| Design Queue: 0 7 3 0 0 0 1 8 0 0 0 0 |

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### Intersection #3811: ST. JAMES/THIRD

![Traffic Signal Diagram]

**Final Vol:**
- **Lanes:** 0 0 0 0 0
- **Signal=Split/Right=Include:**
  - **Vol Crit Date:** 22/02/2001
  - **Cycle Time (sec):** 50
  - **Loss Time (sec):** 6
  - **Critical VC:** 1.021
  - **Avg Crit Del (sec/veh):** 34.1
  - **Avg Delay (sec/veh):** 28.4

**Final Vol:**
- **Lanes:** 0 0 3 0 1
- **Signal=Split/Right=Include:**
  - **Vol Crit Date:** 22/02/2001
  - **Cycle Time (sec):** 50
  - **Loss Time (sec):** 6
  - **Critical VC:** 1.021
  - **Avg Crit Del (sec/veh):** 34.1
  - **Avg Delay (sec/veh):** 28.4

**Approach:**
- **North Bound:**
  - **Min. Green:** 0 0 0 0 0 0 0 0
  - **Volume Module:** >>
  - **Base Vol.:** 0 753 656
  - **Growth Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Initial Base:** 753 656
  - **Added Vol.:** 0 0 0 0 0 0 0 0
  - **PasserByVol.:** 0 0 0 0 0 0 0 0
  - **Initial Fut:** 0 753 656
  - **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:** 0 753 656
  - **Reduct Vol.:** 0 0 0 0 0 0 0 0
  - **Reduced Vol:** 753 656
  - **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
  - **Final Vol.:** 753 656

- **South Bound:**
  - **Min. Green:** 0 0 0 0 0 0 0 0
  - **Volume Module:** >>
  - **Base Vol.:** 0 753 656
  - **Growth Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Initial Base:** 753 656
  - **Added Vol.:** 0 0 0 0 0 0 0 0
  - **PasserByVol.:** 0 0 0 0 0 0 0 0
  - **Initial Fut:** 0 753 656
  - **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:** 0 753 656
  - **Reduct Vol.:** 0 0 0 0 0 0 0 0
  - **Reduced Vol:** 753 656
  - **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
  - **Final Vol.:** 753 656

- **East Bound:**
  - **Min. Green:** 0 0 0 0 0 0 0 0
  - **Volume Module:** >>
  - **Base Vol.:** 0 753 656
  - **Growth Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Initial Base:** 753 656
  - **Added Vol.:** 0 0 0 0 0 0 0 0
  - **PasserByVol.:** 0 0 0 0 0 0 0 0
  - **Initial Fut:** 0 753 656
  - **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:** 0 753 656
  - **Reduct Vol.:** 0 0 0 0 0 0 0 0
  - **Reduced Vol:** 753 656
  - **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
  - **Final Vol.:** 753 656

- **West Bound:**
  - **Min. Green:** 0 0 0 0 0 0 0 0
  - **Volume Module:** >>
  - **Base Vol.:** 0 753 656
  - **Growth Adj.:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - **Initial Base:** 753 656
  - **Added Vol.:** 0 0 0 0 0 0 0 0
  - **PasserByVol.:** 0 0 0 0 0 0 0 0
  - **Initial Fut:** 0 753 656
  - **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:** 0 753 656
  - **Reduct Vol.:** 0 0 0 0 0 0 0 0
  - **Reduced Vol:** 753 656
  - **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
  - **Final Vol.:** 753 656

**Saturation Flow Module:**
- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 0.97 1.06 0.97 1.00 1.05 0.97 0.97 1.06 0.97
- **Lanes:** 0.00 3.00 1.00 0.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 0.00
- **Final Sat.:** 5700 1750

**Capacity Analysis Module:**
- **Vol/Sat:** 0.00 0.13 0.37
- **Green Time:** 0.0 18.4 18.4
- **Volume/Cap:** 0.00 0.36 0.51
- **Delay/Veh:** 0.0 8.8 44.9
- **Delay Adj:** 1.00 1.00 1.00
- **ProgAdjCptr:** 1.00 1.00 1.00
- **AdvDel/Veh:** 0.0 8.8 44.9
- **DesignQueue:** 0 14 13
Intersection #3812: ST. JAMES/13TH

Final Vol: Lanes: 46*** 446 49

Signal=Split Rights=Include

Vol Crit Date: 30/3/1998
Cycle Time (sec): 66

Loss Time (sec): 6
Critical VC: 0.412

Avg Crit Del (sec/veh): 9.7
Avg Delay (sec/veh): 9.1

LOS: B

Approach: North Bound South Bound East Bound West Bound
Movement: L T R L T R L T R L T R
Min. Green: 0 10 10 0 10 10 0 0 0
Volume Module: >> Count Date: 3 Mar 1998 <<
Base Vol: 0 151 28 43 359 0 48 446 49 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 Base: 0 151 28 43 359 0 48 446 49 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 151 28 43 359 0 48 446 49 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: 0 151 28 43 359 0 48 446 49 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 151 28 43 359 0 48 446 49 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 151 28 43 359 0 48 446 49 0 0 0

---|---|---|---|---|---|---|---|---|---|---|---|---|
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.00 1.00 1.00 1.00 0.97 1.00 1.00 1.00 0.97 1.06 0.97
Lanes: 0.00 0.84 0.16 0.11 0.89 0.00 0.18 1.64 0.18 0.00 0.00 0.00
Final Sat: 0 1518 282 193 1607 0 318 2957 325 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.10 0.10 0.22 0.22 0.00 0.15 0.15 0.15 0.00 0.00 0.00
Crit Moves: **** ****
Volume/Cap: 0.00 0.18 0.18 0.41 0.41 0.00 0.41 0.41 0.41 0.00 0.00 0.00
Delay/Veh: 0.0 5.8 5.8 6.8 6.8 0.0 11.8 11.8 11.8 0.0 0.0 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/FCr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj/Del/Veh: 0.0 5.8 5.8 6.8 6.8 0.0 11.8 11.8 11.8 0.0 0.0 0.0
DesignQueue: 0 3 0 1 6 0 1 11 1 0 0 0

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Intersection #3812: ST. JAMES/13TH

<table>
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<tr>
<th>Approach:</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movement:</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>Min. Green:</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

Volume Module: >> Count Date: 3 Mar 1998 <<

| Base Vol: | 17 178 | 17 26 424 | 43 31 291 | 30 19 256 | 22 |
| Growth Adj: | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 |
| Initial Bae: | 17 178 | 17 26 424 | 43 31 291 | 30 19 256 | 22 |
| Added Vol: | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 |
| PassezByVol: | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 |
| Initial Fut: | 17 178 | 17 26 424 | 43 31 291 | 30 19 256 | 22 |
| User Adj: | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 |
| PHF Adj: | 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 | 1.00 1.00 1.00 1.00 1.00 |
| PHF Volume: | 17 178 | 17 26 424 | 43 31 291 | 30 19 256 | 22 |
| Reuct Vol: | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 |
| Reduced Vol: | 17 178 | 17 26 424 | 43 31 291 | 30 19 256 | 22 |
| PCF Adj: | 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 | 1.00 1.00 1.00 1.00 1.00 |
| MLF Adj: | 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 | 1.00 1.00 1.00 1.00 1.00 |
| Final Vol: | 17 178 | 17 26 424 | 43 31 291 | 30 19 256 | 22 |

Saturation Flow Module:

| Adjustment: | 1.00 1.00 0.97 1.00 1.00 | 0.97 1.00 1.00 0.97 1.00 | 1.00 1.00 0.97 1.00 1.00 | 0.97 1.00 1.00 0.97 1.00 |
| Lanes: | 0.09 0.91 1.00 0.96 0.94 | 1.00 0.90 1.00 0.07 0.93 | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 |
| Final Sat.: | 157 1643 1750 | 104 1696 1750 | 173 1627 1750 | 124 1676 1750 |

Capacity Analysis Module:

| Vol/Sat: | 0.11 0.11 0.01 0.25 0.25 | 0.20 0.20 0.20 0.20 0.20 | 0.25 0.25 0.25 0.25 0.25 | 0.02 0.02 0.02 0.02 0.02 |
| Crit Moves: | ***** | ***** | ***** | ***** |
| Green Time: | 34.4 34.4 34.4 34.4 34.4 | 34.4 34.4 34.4 34.4 34.4 | 34.4 34.4 34.4 34.4 34.4 | 34.4 34.4 34.4 34.4 34.4 |
| Volume/Cap: | 0.20 0.20 0.02 0.47 0.47 | 0.05 0.47 0.47 0.05 0.05 | 0.47 0.47 0.47 0.47 0.47 | 0.40 0.40 0.40 0.40 0.40 |
| Delay/Veh: | 6.2 6.2 5.5 7.6 7.6 | 5.6 12.0 12.0 9.7 11.5 | 11.5 9.7 11.5 11.5 9.7 | 11.5 11.5 11.5 11.5 11.5 |
| Delay Adj: | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: | 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 | 1.00 1.00 1.00 1.00 1.00 |
| AdjDelay/Veh: | 6.2 6.2 5.5 7.6 7.6 | 5.6 12.0 12.0 9.7 11.5 | 11.5 9.7 11.5 11.5 9.7 | 11.5 11.5 11.5 11.5 11.5 |
| DesignQueue: | 0 3 0 0 8 1 | 1 1 7 1 0 | 6 0 | 0 |
Intersection #3813: ST. JOHN/10TH

Final Vol: 31
Lanes: 0 1 1 1

Signal=Split/Rights=Include

Vol Cnt Date: 3/29/2001
Cycle Time (sec): 65

Permit Rights=Include

Loss Time (sec): 6

Permit Rights=Include

Critical VC: 0.445

Permit Rights=Include

Avg Crit Del (sec/veh): 6.5

Permit Rights=Include

Avg Delay (sec/veh): 6.9

Permit Rights=Include

LOS: B

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

Min. Green: 10 10 10 10

Volume Module: >> Count Date: 29 Mar 2001 <<
Base Vol: 0 0 0 0 21 1445 31 0 149 88 51 78 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 Base: 0 0 0 21 1445 31 0 149 88 51 78 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 21 1445 31 0 149 88 51 78 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 0 21 1445 31 0 149 88 51 78 0
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 21 1445 31 0 149 88 51 78 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 0 0 21 1445 31 0 149 88 51 78 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97
Lanes: 0.00 0.00 0.00 0.04 2.90 0.06 0.00 0.63 0.37 0.40 0.60 0.00
Final Sat: 0 0 0 77 5309 114 0 1132 668 712 1088 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.27 0.27 0.27 0.00 0.13 0.13 0.07 0.07 0.00
Crit Moves: **** ****
Green Time: 0.0 0.0 0.0 39.8 39.8 39.8 0.0 19.2 19.2 19.2 19.2 0.0
Volume/Cap: 0.00 0.00 0.00 0.44 0.44 0.44 0.00 0.44 0.44 0.24 0.24 0.00
Delay/Veh: 0.0 0.0 0.0 5.2 5.2 5.2 0.0 14.5 14.5 13.2 13.2 0.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 5.2 5.2 5.2 0.0 14.5 14.5 13.2 13.2 0.0
DesignQueue: 0 0 0 0 22 0 0 4 2 1 2 0
Intersection #3814: ST. JOHN/THIRD

Approach: North Bound | South Bound | East Bound | West Bound
Movement: L - T - R | L - T - R | L - T - R | L - T - R
Min. Green: 10 10 10 | 0 0 0 | 10 10 0 | 0 10 10
Volume Module: >>
Base Vol: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bee: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51
Added Vol: 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0
ATT: 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0
Initial Fut: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51
Reduct Vol: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51
Reduced Vol: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51
Final Vol: 77 443 92 | 0 0 0 | 40 129 0 | 0 102 51

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.03 1.00 0.97 1.06 0.97 1.00 0.0 0.0 0.97 1.04 1.00
Lanes: 0.38 2.16 0.46 0.00 0.00 0.00 0.24 0.46 0.00 0.00 0.13 0.68
Final Sat.: 692 3981 827 | 0 0 0 | 426 1374 0 | 0 2466 1233

Capacity Analysis Module:
Vol/Sat: 0.11 0.11 0.11 0.00 0.00 0.00 0.09 0.09 0.00 0.00 0.04 0.04
Crit Moves: ****
Green Time: 21.2 21.2 21.2 0.0 0.0 0.0 17.8 17.8 0.0 0.0 17.8 17.8
Volume/Cap: 0.24 0.24 0.24 0.00 0.00 0.00 0.24 0.24 0.00 0.00 0.10 0.10
Delay/Veh: 5.4 5.4 5.4 0.0 0.0 0.0 6.9 6.9 0.0 0.0 6.5 6.5
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 5.4 5.4 5.4 0.0 0.0 0.0 6.9 6.9 0.0 0.0 6.5 6.5
DesignQueue: 1 6 1 0 0 0 1 2 0 0 2 1
Intersection #3614: ST. JOHN/THIRD

Approach: North Bound  |  South Bound  |  East Bound  |  West Bound
Movement: L - T - R  |  L - T - R  |  L - T - R  |  L - T - R
-------------|-------------|-------------|-------------
Min. Green: 10 10 10 0 0 0 0 10 10 0 0 10 10 0
-------------|-------------|-------------|-------------
Volume Module: | Count Date: 1 Nov 2001 | 4:45-5:45 PM
-------------|-------------|-------------|-------------
Base Vol: 156 900 187 0 0 0 81 262 0 0 207 104
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
Init. Vol: 156 900 187 0 0 0 81 262 0 0 207 104
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Passer By Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Init. Fut: 156 900 187 0 0 0 81 262 0 0 207 104
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 Vol: 156 900 187 0 0 0 81 262 0 0 207 104
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 156 900 187 0 0 0 81 262 0 0 207 104
FCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 156 900 187 0 0 0 81 262 0 0 207 104
-------------|-------------|-------------|-------------
Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.03 1.00 0.97 1.06 0.97 1.00 0.97 0.97 1.04 1.00
Lanes: 0.38 2.16 0.46 0.00 0.00 0.00 0.24 0.76 0.00 0.00 1.31 0.69
Final Sat: 690 3982 827 0 0 0 425 1375 0 0 2462 1237
-------------|-------------|-------------|-------------
Capacity Analysis Module:
Vol/Sat: 0.23 0.23 0.23 0.00 0.00 0.00 0.19 0.19 0.00 0.00 0.08 0.08
Crit Moves: ****
Volume/Cap: 0.47 0.47 0.47 0.00 0.00 0.00 0.47 0.47 0.00 0.00 0.21 0.21
Delay/Veh: 6.8 6.8 6.8 0.0 0.0 0.0 8.8 8.8 0.0 0.0 7.4 7.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Adj Del/Veh: 6.8 6.8 6.8 0.0 0.0 0.0 8.8 8.8 0.0 0.0 7.4 7.4
Design Queue: 2 14 3 0 0 0 1 5 0 0 4 2
### Intersection #3822: TAYLOR/10TH

#### Signal=Protect/Right=Include

<table>
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<tr>
<th>Final Vol</th>
<th>Lanes</th>
<th>Signal=permit Rtn=Overlap</th>
<th>Vol Cnt Date Cycle Time (sec)</th>
<th>Signal=permit Rtn=Ignore</th>
<th>Lanes</th>
<th>Final Vol</th>
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<tr>
<td>22</td>
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<td>3/20/2001 100</td>
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<tr>
<td>805**</td>
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#### LOS: E

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<th>216</th>
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<th>0</th>
<th>46</th>
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#### Approach:

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<th>East Bound</th>
<th>West Bound</th>
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<tbody>
<tr>
<td></td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
<tr>
<td>Min. Green:</td>
<td>7 10 10</td>
<td>7 10 10</td>
<td>10 10 10</td>
<td>10 10 10</td>
</tr>
</tbody>
</table>

#### Volume Module:

- Count Date: 20 Mar 2001
- Base Vol: 29 216 46 66 861 50 22 805 102 68 334 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 Bae: 29 216 46 66 861 50 22 805 102 68 334 0
- Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
- Initial Fut: 29 216 46 66 861 50 22 805 102 68 334 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 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: 29 216 46 66 861 50 22 805 102 68 334 0
- Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
- Reduced Vol: 29 216 46 66 861 50 22 805 102 68 334 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
- Final Vol: 29 216 46 66 861 50 22 805 102 68 334 0

#### Saturation Flow Module:

- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.03 1.00 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97
- Lanes: 1.00 1.64 0.36 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- Final Sat.: 1750 3050 650 1750 1900 1750 1750 1900 1750 1750 1900 1750

#### Capacity Analysis Module:

- Vol/Sat: 0.02 0.07 0.07 0.04 0.45 0.03 0.01 0.42 0.06 0.04 0.18 0.00
- Crit Moves: ****
- Green Time: 7.0 29.7 29.7 20.8 43.4 43.4 40.6 40.6 47.6 40.6 40.6 0.0
- Volume/Cap: 0.24 0.24 0.24 0.18 1.04 0.07 0.03 1.04 0.12 0.10 0.43 0.00
- Delay/Veh: 33.6 20.3 20.3 24.8 58.6 12.5 13.6 60.5 11.1 14.0 16.5 0.0
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjFcrt: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 33.6 20.3 20.3 24.8 58.6 12.5 13.6 60.5 11.1 14.0 16.5 0.0
- DesignQueue: 2 9 2 3 31 2 1 30 3 2 12 0

---

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### Intersection #3825: 10TH/WILLIAM

#### Traffic Flow

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<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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</thead>
<tbody>
<tr>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
</tbody>
</table>

**Min. Green:**

- **Approach:**
  - Min. Green: 0 0 0 10 10 10 0 10 10 10 10 0

**Volume Module:**>

- **Count Date:** 29 March 2001
- **Base Vol:** 0 0 0 50 1910 28 0 139 126 76 97 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 Bae:** 0 0 0 50 1910 28 0 139 126 76 97 0
- **Added Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **ATI:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Initial Fut:** 0 0 0 50 1910 28 0 139 126 76 97 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 0 50 1910 28 0 139 126 76 97 0
- **Reduc Vol:** 0 0 0 0 0 0 0 0 0 0 0 0
- **Reduced Vol:** 0 0 0 50 1910 28 0 139 126 76 97 0
- **FCE Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **MLF Adj:** 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- **Final Vol.:** 0 0 0 50 1910 28 0 139 126 76 97 0

**Saturation Flow Module:**

- **Sat/Lane:** 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- **Adjustment:** 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97
- **Lanes:** 0.00 0.00 0.00 0.08 2.88 0.04 0.00 0.52 0.48 0.44 0.56 0.00
- **Final Sat.:** 0 0 0 188 5284 77 0 944 856 791 1009 0

**Capacity Analysis Module:**

- **Vol/Sat:** 0.00 0.00 0.00 0.36 0.36 0.36 0.00 0.15 0.15 0.10 0.10 0.00
- **Crit Moves:**
  - Green Time: 0.0 0.0 0.0 41.9 41.9 41.9 0.0 17.1 17.1 17.1 17.1 0.0
  - Volume/Cap: 0.00 0.00 0.00 0.56 0.56 0.56 0.00 0.56 0.56 0.56 0.37 0.37 0.00
  - Delay/Veh: 0.0 0.0 0.0 5.0 5.0 5.0 0.0 16.9 16.9 15.1 15.1 0.0
  - Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
  - AdjDel/Veh: 0.0 0.0 0.0 5.0 5.0 5.0 0.0 16.9 16.9 15.1 15.1 0.0
  - DesignQueue: 0 0 0 1 27 0 0 4 3 2 3 0
Intersection #3625: 10TH/WILLIAM

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

Min. Green: 0 0 0 10 10 10 10 10 10 10

Volume Module: >> Count Date: 29 Mar 2001 <<
Base Vol: 66 2535 37 0 184 167 101 129 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bas: 0 0 0 66 2535 37 0 184 167 101 129 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 66 2535 37 0 184 167 101 129 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 0 0 66 2535 37 0 184 167 101 129 0
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 66 2535 37 0 184 167 101 129 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 0 0 0 66 2535 37 0 184 167 101 129 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 1.00 1.00 1.00 0.97 1.00 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.05 1.92 0.03 0.00 0.52 0.48 1.00 1.00 0.00
Final Sat.: 0 0 0 90 3459 50 0 944 856 1750 1900 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.00 0.73 0.73 0.73 0.00 0.20 0.19 0.06 0.07 0.00

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Intersection #3826: THIRD/VIRGINIA

Approach: North Bound | South Bound | East Bound | West Bound

Movement: | L - T - R | L - T - R | L - T - R | L - T - R

Min. Green: 10 10 10 0 0 0 10 10 0 0 10 10

Volume Module: Count Date: 21 Feb 2002 < 4:30-5:30PM
Base Vol: 31 314 100 0 0 0 54 213 0 0 91 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 Bae: 31 314 100 0 0 0 54 213 0 0 91 92
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
ATI: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 31 314 100 0 0 0 54 213 0 0 91 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
PHE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHE Volume: 31 314 100 0 0 0 54 213 0 0 91 92
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 31 314 100 0 0 0 54 213 0 0 91 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
Final Vol: 31 314 100 0 0 0 54 213 0 0 91 92

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.03 1.00 0.97 1.06 0.97 1.00 1.00 0.97 0.97 1.00 1.00
Lanes: 0.21 2.10 0.69 0.00 0.00 0.00 0.20 0.80 0.00 0.00 0.50 0.50
Final Sat.: 383 3880 1236 0 0 0 364 1436 0 0 895 905

Capacity Analysis Module:
Vol/Sat: 0.08 0.08 0.08 0.00 0.00 0.00 0.15 0.15 0.00 0.00 0.10 0.10
Crit Moves: ****
Green Time: 22.6 22.6 22.6 0.0 0.0 0.0 41.4 41.4 0.0 0.0 41.4 41.4
Volume/Cap: 0.25 0.25 0.25 0.00 0.00 0.00 0.25 0.25 0.00 0.00 0.17 0.17
Delay/Veh: 13.3 13.3 13.3 0.0 0.0 0.0 5.2 5.2 0.0 0.0 4.9 4.9
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 13.3 13.3 13.3 0.0 0.0 0.0 5.2 5.2 0.0 0.0 4.9 4.9
DesignQueue: 1 8 3 0 0 0 1 4 0 0 1 1
Intersection #3826: THIRD/VIRGINIA

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

Min. Green: 10 10 10 10 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 21 Feb 2002 << 4:30PM-5:30PM
Base Vol: 17 182 57 44 403 62 29 256 23 21 98 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 Base: 17 182 57 44 403 62 29 256 23 21 98 50
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 17 182 57 44 403 62 29 256 23 21 98 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: 17 182 57 44 403 62 29 256 23 21 98 50
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 17 182 57 44 403 62 29 256 23 21 98 50
FCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 17 182 57 44 403 62 29 256 23 21 98 50

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.07 0.11 0.22 0.12 0.09 0.84 0.07 0.12 0.58 0.03
Final Sat.: 116 1244 390 151 1386 213 165 1455 131 217 1515 518

Capacity Analysis Module:
Vol/Sat: 0.15 0.15 0.15 0.29 0.29 0.29 0.18 0.18 0.18 0.10 0.10 0.10
Crit Moves: ****
Green Time: 36.8 36.8 36.8 36.8 36.8 36.8 22.2 22.2 22.2 22.2 22.2 22.2
Volume/Cap: 0.26 0.26 0.26 0.51 0.51 0.51 0.51 0.51 0.51 0.28 0.28 0.28
Delay/Veh: 5.5 5.5 5.5 7.0 7.0 7.0 13.6 13.6 13.6 11.9 11.9 11.9
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdj/Fctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 5.5 5.5 5.5 7.0 7.0 7.0 13.6 13.6 13.6 11.9 11.9 11.9
DesignQueue: 0 3 1 1 7 1 1 6 1 1 2 1
Intersection #3827: THIRD/WILLIAM

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

Min. Green: 10 10 10 10 10 10 10 10

Volume Module: >> Count Date: 20 Feb 2002 << 5:00~6:00PM
Base Vol: 60 664 65 0 0 67 151 0 0 206 134
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bae: 60 664 65 0 0 67 151 0 0 206 134
Added Vol: 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 60 664 65 0 0 67 151 0 0 206 134
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
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: 60 664 65 0 0 67 151 0 0 206 134
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 60 664 65 0 0 67 151 0 0 206 134
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol: 60 664 65 0 0 67 151 0 0 206 134

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.02 1.00 0.97 1.06 0.97 1.00 1.00 0.97 1.00 1.00
Lanes: 0.23 2.52 0.25 0.00 0.00 0.00 0.31 0.69 0.00 0.00 0.61 0.39
Final Sat. : 418 4628 453 0 0 553 1247 0 0 1091 709

Capacity Analysis Module:
Vol/Sat: 0.14 0.14 0.14 0.00 0.00 0.00 0.12 0.12 0.00 0.00 0.19 0.19
Crit Moves: ****
Green Time: 29.8 29.8 29.8 0.0 0.0 0.0 39.2 39.2 39.2 0.0 0.0 39.2 39.2
Volume/Cap: 0.36 0.36 0.36 0.00 0.00 0.00 0.23 0.23 0.00 0.00 0.36 0.36
Delay/Veh: 12.1 12.1 12.1 0.0 0.0 0.0 7.4 7.4 0.0 0.0 8.1 8.1
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 12.1 12.1 12.1 0.0 0.0 0.0 7.4 7.4 0.0 0.0 8.1 8.1
DesignQueue: 2 17 2 0 0 0 1 3 0 0 4 3

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## Intersection #3834: VINE/VIRGINIA

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<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
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<td>0 0</td>
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<tr>
<td>Initial Adj</td>
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<td>0 0</td>
<td>0 0</td>
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<tr>
<td>Initial Vol.</td>
<td>165 1684 84</td>
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<td>0 0</td>
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<tr>
<td>ATI</td>
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<td>0 0 0 0 0 0</td>
<td>0 0 0 0 0 0</td>
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<tr>
<td>MLF Adj</td>
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<tr>
<td>Final Vol</td>
<td>165 1684 84</td>
<td>0 0</td>
<td>0 0</td>
<td>0 0</td>
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</table>

### Saturation Flow Module:
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 1.00 0.97
- Lanes: 0.00 0.00 0.00 0.26 2.61 0.13 0.00 0.72 0.28 0.20 0.80 0.00
- Final Sat.: 0 0 0 469 475 1 239 0.129 2 50 358 1442 0

### Capacity Analysis Module:
- Vol/Sat: 0.00 0.00 0.00 0.35 0.35 0.35 0.00 0.12 0.12 0.11 0.11 0.00
- Crit Moves: **** **** ****
- Green Time: 0.0 0.0 0.0 62.6 62.6 62.6 0.0 21.4 21.4 21.4 21.4 0.0
- Volume/Cap: 0.00 0.00 0.00 0.51 0.51 0.51 0.00 0.51 0.51 0.46 0.46 0.00
- Delay/Veh: 0.0 0.0 0.0 5.0 5.0 5.0 0.0 23.4 23.4 22.9 22.9 22.9
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjFct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDel/Veh: 0.0 0.0 0.0 5.0 5.0 5.0 0.0 23.4 23.4 22.9 22.9 22.9
- DesignQueue: 0 0 0 3 28 1 0 6 2 2 6 0
## Intersection #3862: JACKSON/10TH

### Signal-Split/Right=Include

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<th>Final Vol: Lanes:</th>
<th>Signal=Split/Right=Include</th>
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<td>21 1435 35***</td>
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### Vol Cnt Date: Cycle Time (sec) Loss Time (sec) Critical VIC

| 7/22/1998 65 | 6 | 0.381 | 0 | 54 |

### LOS: A

| Final Vol: Lanes: | 0 0 0 0 0 |

### Approach: North Bound South Bound East Bound West Bound

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<th>Movement: L - T - R</th>
<th>L - T - R</th>
<th>L - T - R</th>
<th>L - T - R</th>
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<td>Min. Green: 0 0 0 0 10 10 10 0 10 10 10 0</td>
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<td>Base Vol: 0 0 0 35 1435 21 0 81 54 45 54 0</td>
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<td>Initial Bae: 0 0 0 35 1435 21 0 81 54 45 54 0</td>
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<td>Initial Fut: 0 0 0 35 1435 21 0 81 54 45 54 0</td>
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<td>Final Vol: 0 0 0 35 1435 21 0 81 54 45 54 0</td>
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</table>

### Saturation Flow Module:

| Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 |
| Adjustment: 0.97 1.06 0.97 1.00 1.02 1.00 0.97 1.00 1.00 1.00 0.97 |
| Lanes: 0.00 0.00 0.00 0.07 2.89 0.04 0.00 0.60 0.40 0.45 0.55 0.00 |
| Final Sat.: 0 0 0 129 5293 77 0 1080 720 818 982 0 |

### Capacity Analysis Module:

| Vol/Sat: 0.00 0.00 0.00 0.27 0.27 0.27 0.00 0.00 0.08 0.08 0.05 0.06 0.00 |
| Crit Moves: **** |
| Green Time: 0.0 0.0 0.0 46.2 46.2 46.2 0.0 12.8 12.8 12.8 12.8 0.0 |
| Volume/Cap: 0.00 0.00 0.00 0.38 0.38 0.38 0.00 0.38 0.38 0.38 0.28 0.28 0.00 |
| Delay/Veh: 0.0 0.0 0.0 2.9 2.9 2.9 0.0 17.6 17.6 17.6 17.0 17.0 0.0 |
| Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 |
| AdjDelay/Veh: 0.0 0.0 0.0 2.9 2.9 2.9 0.0 17.6 17.6 17.6 17.0 17.0 0.0 |
| DesignQueue: 0 0 0 0 16 0 0 2 2 1 2 0 |
### Intersection #3863: ALMADE BLVD/CONVENTION CENTER

![Intersection Diagram]

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<th>East Bound</th>
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<td>L - T - R</td>
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<td>Initial Base:</td>
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</tr>
<tr>
<td>MLF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Vol:</td>
<td>0 287 53</td>
<td>41 1628</td>
<td>0 0 0</td>
<td>47 0 11</td>
</tr>
</tbody>
</table>

#### Saturation Flow Module:
- Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
- Adjustment: 0.97 1.06 0.97 0.97 1.06 0.97 0.97 1.06 0.97 0.97 0.97 0.97
- Lanes: 0.00 3.00 1.00 1.00 3.00 0.00 0.00 0.00 0.00 0.00 0.81 0.00 0.19
- Final Sat.: 0 5700 1750 1750 5700 0 0 0 1418 0 332

#### Capacity Analysis Module:
- Vol/Sat: 0.00 0.05 0.03 0.02 0.28 0.00 0.00 0.00 0.03 0.00 0.03
- Crit Moves: **** ****
- Green Time: 0.0 49.4 49.4 34.6 84.0 0.0 0.0 0.0 0.0 10.0 0.0 10.0
- Volume/Cap: 0.00 0.10 0.06 0.07 0.34 0.00 0.00 0.00 0.00 0.33 0.00 0.33
- Delay/Veh: 0.0 10.2 10.0 16.6 1.4 0.0 0.0 0.0 0.0 32.3 0.0 32.3
- Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- ProgAdjFct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
- AdjDelay/Veh: 0.0 10.2 10.0 16.6 1.4 0.0 0.0 0.0 0.0 32.3 0.0 32.3
- DesignQueue: 0 8 2 1 16 0 0 0 0 2 0 1
Intersection #3954: SAN ANTONIO/10TH

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

Min. Green: 0 0 0 10 10 0 0 0 0

Volume Module: >> Count Date: 21 Feb 2002 << 5:00-6:00PM
Base Vol: 0 0 0 102 2610 0 0 0 0 0 0 0 0 0 147 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 1.00
Initial Bae: 0 0 0 102 2610 0 0 0 0 0 0 0 0 0 147 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 102 2610 0 0 0 0 0 0 0 0 0 147 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 1.00
PHF Adj: 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: 0 0 0 102 2610 0 0 0 0 0 0 0 0 0 147 0 0
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 0 0 102 2610 0 0 0 0 0 0 0 0 0 147 0 0

Saturation Flow Module:
Adjustment: 0.97 1.06 0.97 1.00 1.03 0.97 0.97 1.06 0.97 0.97 1.06 0.97
Lanes: 0.00 0.00 0.00 0.08 1.92 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Final Sat.: 0 0 0 139 3561 0 0 0 0 0 1750 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.00 0.00 0.73 0.73 0.00 0.00 0.00 0.00 0.00 0.08 0.00 0.00
Crit Moves: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Green Time: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Volume/Cap: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Delay/Veh: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFct: 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
AdjDel/Veh: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
DesignQueue: 0 0 0 1 29 0 0 0 0 0 5 0 0

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Intersection #3057: 280/ALMADE

Approach:                      North Bound          South Bound            East Bound       West Bound
Movement:                     L - T - R             L - T - R                 L - T - R         L - T - R
---------------------------------|-----------------|-----------------|-----------------|-----------------|
Min. Green:                   0 10 0               0 10 10              0 10 0            0 10 10
---------------------------------|-----------------|-----------------|-----------------|-----------------|
Volume Module:                >> Count Date: 7 Mar 2002 << 4:45-5:45PM
Base Vol:                     0 198 0              0 1187 560            0 0 0             41 372 134
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 1.00
Initial Base:                 0 198 0              0 1187 560            0 0 0             41 372 134
Added Vol:                    0 0 0                0 0 0                 0 0 0             0 0 0
ATI:                          0 0 0                0 0 0                 0 0 0             0 0 0
Initial Fut:                  0 198 0              0 1187 560            0 0 0             41 372 134
User Adj:                     1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj:                      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:                   0 198 0              0 1187 560            0 0 0             41 372 134
Reduct Vol:                   0 0 0                0 0 0                 0 0 0             0 0 0
Reduced Vol:                  0 198 0              0 1187 560            0 0 0             41 372 134

Saturation Flow Module:
Sat/Lane:                     1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment:                   0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.06 0.97 1.00 1.03 0.97
Lanes:                        0.00 3.00 0.00 0.00 3.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Final Sat.:                   0 5700 0              0 5700 1750           0 0 0             367 3332 1750

Capacity Analysis Module:
Vol/Sat:                      0.00 0.03 0.00 0.00 0.21 0.32 0.00 0.00 0.00 0.11 0.11 0.08
Crit Moves:                   **** ****
Growth Time:                  0.0 62.3 0.0 0.0 62.3 62.3 0.0 0.0 0.0 21.7 21.7 21.7
Volume/Cap:                   0.00 0.05 0.00 0.00 0.30 0.46 0.46 0.46 0.46 0.46 0.46 0.32
Delay/Veh:                    0.0 3.4 0.0 0.0 4.1 5.0 0.0 0.0 0.0 22.4 22.4 21.4
Delay Adj:                    1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr:                  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh:                   0.0 3.4 0.0 0.0 4.1 5.0 0.0 0.0 0.0 22.4 22.4 21.4
DesignQueue:                  0 3 0 0 19 9 0 0 0 2 15 5
Intersection #3985: DELMAS/SAN FERNANDO (FUT)

Final Vol. | Lanes | Signal=Protect Rights=Include
-----------|------|-------------------------------
        0 |      0 |                            
        0 |      0 |                            
        0 |      0 |                            
        0 |      0 |                            

Vol. Cnt Date: n/a
Cycle Time (sec): 100
Loss Time (sec): 0
Critical V/C: 0.000
Avg Ctrl Del (sec/veh): 0.0
Avg Delay (sec/veh): 0.0

LOS:

Lanes: Final Vol. 0 0 0 0

Approach:

Movement:
North Bound | South Bound | East Bound | West Bound
-----------|-------------|-----------|-----------
L - T - R   | L - T - R   | L - T - R | L - T - R |
-----------|-------------|-----------|-----------
Min. Green:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Volume Module:
Base Vol:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Growth Adj: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Initial Bse:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Added Vol:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ATI:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
User Adj:
              0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
PHF Adj:
              0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
PHF Volume:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PCE Adj:
              0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Vol Module:
Final Vol.:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Saturation Flow Module:

Sat/Lane:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Adjustment:
              1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes:
              0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Final Sat.:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Capacity Analysis Module:

Vol/Sat:
              0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Crit Moves:

Green Time:
              0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Volume/Cap:
              0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Delay/Veh:
              0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Delay Adj:
              1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr:
              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 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh:
              0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
DesignQueue:
              0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Intersection #3085: DELMAS/SAN FERNANDO (FUT)

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Min. Green: 0 0 0 0 10 10 10 10 10 10 10 10

Volume Module:
Base Vol: 0 0 0 63 321 107 6 176 30 273 513 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 Bas: 0 0 0 63 321 107 6 176 30 273 513 34
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 0 0 63 321 107 6 176 30 273 513 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 0 0 63 321 107 6 176 30 273 513 34
Reduc Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 0 0 63 321 107 6 176 30 273 513 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
Final Vol: 0 0 0 63 321 107 6 176 30 273 513 34

Saturation Flow Module:
Sat./Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.06 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.00 0.00 0.00 0.13 0.65 0.22 0.03 0.83 0.14 0.35 0.65 1.00
Final Sat.: 0 0 0 225 1144 381 50 1453 248 625 1175 1750

Capacity Analysis Module:
Vol./Sat: 0.00 0.00 0.00 0.28 0.28 0.28 0.12 0.12 0.12 0.44 0.44 0.02
Crit. Moves: **** ****
Green Time: 0.0 0.0 0.0 31.7 31.7 31.7 49.3 49.3 49.3 49.3 49.3 49.3
Volume/Cap: 0.00 0.00 0.00 0.89 0.89 0.89 0.25 0.25 0.25 0.25 0.25 0.25
Delay/Veh: 0.0 0.0 0.0 35.8 35.8 35.8 11.1 11.1 11.1 24.9 24.9 10.0
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 0.0 0.0 35.8 35.8 35.8 11.1 11.1 11.1 24.9 24.9 10.0
DesignQueue: 0 0 0 3 13 4 0 5 1 9 16 1
**Intersection #3988: EMPIRE/FOURTH (FUT)**

**Approach:**

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<tr>
<th>Movement</th>
<th>North Bound</th>
<th>South Bound</th>
<th>East Bound</th>
<th>West Bound</th>
</tr>
</thead>
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<tr>
<td></td>
<td>L</td>
<td>T</td>
<td>R</td>
<td>L</td>
</tr>
<tr>
<td>Min. Green</td>
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<td>10</td>
<td>10</td>
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<td>Volume Module:</td>
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<td></td>
</tr>
<tr>
<td>Base Vol:</td>
<td>14 155 14</td>
<td>21 1044 14</td>
<td>253 115 14</td>
<td>26 36 14</td>
</tr>
<tr>
<td>Growth Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
<td></td>
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<tr>
<td>Initial Bas:</td>
<td>14 155 14</td>
<td>21 1044 14</td>
<td>253 115 14</td>
<td>26 36 14</td>
</tr>
<tr>
<td>Added Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Pedestrian Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<td></td>
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<tr>
<td>Initial Fut:</td>
<td>14 155 14</td>
<td>21 1044 14</td>
<td>253 115 14</td>
<td>26 36 14</td>
</tr>
<tr>
<td>User Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
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</tr>
<tr>
<td>PHF Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PHF Volume:</td>
<td>14 155 14</td>
<td>21 1044 14</td>
<td>253 115 14</td>
<td>26 36 14</td>
</tr>
<tr>
<td>Reduce Vol:</td>
<td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td>
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<tr>
<td>Reduced Vol:</td>
<td>14 155 14</td>
<td>21 1044 14</td>
<td>253 115 14</td>
<td>26 36 14</td>
</tr>
<tr>
<td>FCE Adj:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
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<tr>
<td>Final Vol:</td>
<td>14 155 14</td>
<td>21 1044 14</td>
<td>253 115 14</td>
<td>26 36 14</td>
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<td>Saturation Flow Module:</td>
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<tr>
<td>Adjustment:</td>
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<tr>
<td>Lanes:</td>
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<td>Final Sat.:</td>
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<td>Capacity Analysis Module:</td>
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</tr>
<tr>
<td>Vol/Sat:</td>
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<tr>
<td>Crit Moves:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green Time:</td>
<td>64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Volume/Cap:</td>
<td>0.01 0.14 0.14 0.02 0.91 0.91 0.60 0.91 0.91 0.15 0.28 0.28</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Delay/Veh:</td>
<td>4.7 5.2 5.2 4.7 18.7 18.7 30.7 47.5 47.5 31.3 31.9 31.9</td>
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<td></td>
<td></td>
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<td>Delay:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ProgAdjFctr:</td>
<td>1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>AdjDel/Veh:</td>
<td>4.7 5.2 5.2 4.7 18.7 18.7 30.7 47.5 47.5 31.3 31.9 31.9</td>
<td></td>
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<tr>
<td>Design Queue:</td>
<td>0 3 0 0 24 0 12 6 1 1 2 1</td>
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</tbody>
</table>
Intersection #3989: EMPIRE/THIRD (FUT)

### Approach:
- **North Bound**
- **South Bound**
- **East Bound**
- **West Bound**

#### Movement:
- **L** - **T** - **R**
- **L** - **T** - **R**
- **L** - **T** - **R**
- **L** - **T** - **R**

#### Timings:
- **Min. Green:**
  - North: 10
  - South: 10
  - East: 10
  - West: 10

#### Volume Module:
- **Base Vol:**
  - North: 18
  - South: 132
  - East: 429
  - West: 24
- **Growth Adj:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **Initial Base:**
  - North: 18
  - South: 132
  - East: 429
  - West: 24
- **Added Vol:**
  - North: 0
  - South: 0
  - East: 0
  - West: 0
- **PasserByVol:**
  - North: 0
  - South: 0
  - East: 0
  - West: 0
- **Initial Fut:**
  - North: 18
  - South: 132
  - East: 429
  - West: 24
- **User Adj:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **PHF Adj:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **PHF Volume:**
  - North: 18
  - South: 132
  - East: 429
  - West: 24
- **Reduce Vol:**
  - North: 0
  - South: 0
  - East: 0
  - West: 0
- **Reduced Vol:**
  - North: 18
  - South: 132
  - East: 429
  - West: 24
- **PCE Adj:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **MLF Adj:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **Final Vol:**
  - North: 18
  - South: 132
  - East: 429
  - West: 24

#### Saturation Flow Module:
- **Sat/Lane:**
  - North: 1800
  - South: 1800
  - East: 1800
  - West: 1800
- **Adjustment:**
  - North: 0.97
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **Lanes:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **Final Sat.:**
  - North: 1750
  - South: 1376
  - East: 1750
  - West: 1750

#### Capacity Analysis Module:
- **Vol/Sat:**
  - North: 0.01
  - South: 0.31
  - East: 0.31
  - West: 0.31
- **Crit Moves:**
  - North: 0.01
  - South: 0.01
  - East: 0.01
  - West: 0.01
- **Green Time:**
  - North: 84.0
  - South: 84.0
  - East: 84.0
  - West: 84.0
- **Volume/Cap:**
  - North: 0.01
  - South: 0.01
  - East: 0.01
  - West: 0.01
- **Delay/Veh:**
  - North: 1.0
  - South: 1.0
  - East: 1.0
  - West: 1.0
- **Delay Adj:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **ProgAdjFctr:**
  - North: 1.00
  - South: 1.00
  - East: 1.00
  - West: 1.00
- **AdjDelay/Veh:**
  - North: 1.0
  - South: 1.0
  - East: 1.0
  - West: 1.0
- **Design Queue:**
  - North: 0
  - South: 1
  - East: 4
  - West: 0
# Intersection #3992: FIFTH/JULIAN (FUT)

![Diagram of intersection with traffic signals and volumes](image)

<table>
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<th>Signal=ProtectRights=Include</th>
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<th>nVa</th>
<th>Cycle Time (sec):</th>
<th>Loss Time (sec):</th>
<th>Critical Vic:</th>
<th>Avg Ctr Del (secVeh):</th>
<th>Avg Delay (secVeh):</th>
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<th>Lanes:</th>
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LOS:

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### Approach:

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### Min. Green:

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   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Intersection #3992: FIFTH/JULIAN (FUT)

Final Vol: Lanes: 23 57 34

Signal=Permit/Rights=Include

Vol Ctrl Date: n/la
Cycle Time (sec): 100
Loss Time (sec): 6

Critical VC: 0.176

Avg Crit Del (sec/veh): 10.3

Avg Delay (sec/veh): 10.7

LOS: B

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Min. Green: 10 10 10 10 10 10 10 10 10 10 10 10 10 10

Volume Module:
Base Vol: 34 45 79 34 57 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 1.00 1.00
Initial Bae: 34 45 79 34 57 23
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 34 45 79 34 57 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 1.00 1.00
FH F Adj: 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
FH F Volume: 34 45 79 34 57 23
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 34 45 79 34 57 23

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.00 1.00 0.97 1.03 1.00
Lanes: 1.00 0.36 0.64 1.00 0.71 0.29 1.00 0.92 0.08 1.00 1.95 0.05
Final Sat.: 1750 653 1147 1750 1283 518 1750 1647 153 1750 3607 99

Capacity Analysis Module:
Vol/Sec: 0.62 0.07 0.07 0.02 0.04 0.04 0.01 0.07 0.07 0.01 0.10 0.10
Crit Moves: **** ****
Green Time: 39.2 39.2 39.2 39.2 39.2 54.8 54.8 54.8 54.8 54.8 54.8 54.8
Volume/Cap: 0.05 0.18 0.18 0.05 0.11 0.11 0.01 0.12 0.12 0.01 0.18 0.18
Delay/Veh: 14.3 15.1 15.1 14.3 14.7 14.7 7.8 8.3 8.3 7.8 8.6 8.6
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjFctr: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 14.3 15.1 15.1 14.3 14.7 14.7 7.8 8.3 8.3 7.8 8.6 8.6
Design Queue: 1 2 3 1 2 1 0 3 0 0 9 0
Intersection #2012: MARTHA/THIRD (FUT)

Approach:

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<td>L - T - R</td>
<td>L - T - R</td>
<td>L - T - R</td>
</tr>
</tbody>
</table>

Min. Green: 10 10 10 10 10 10 10 10 10 10 10

Volume Module:

Base Vol: 22 226 22 34 394 34 34 17 22 22 17 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 Bas: 22 226 22 34 394 34 34 17 22 22 17 34
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 22 226 22 34 394 34 34 17 22 22 17 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: 22 226 22 34 394 34 34 17 22 22 17 34
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 22 226 22 34 394 34 34 17 22 22 17 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
Final Vol: 22 226 22 34 394 34 34 17 22 22 17 34

Saturation Flow Module:

Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97
Lanes: 0.08 0.08 0.08 0.07 0.06 0.07 0.06 0.06 0.06 0.06 0.06 0.06
Final Sat.: 143 1465 143 129 1492 129 815 408 527 527 408 815

Capacity Analysis Module:

Vol/Sat: 0.15 0.15 0.15 0.26 0.26 0.26 0.04 0.04 0.04 0.04 0.04 0.04
Crit Moves: **** ****
Green Time: 81.2 81.2 81.2 81.2 81.2 81.2 12.8 12.8 12.8 12.8 12.8 12.8
Volume/Cap: 0.19 0.19 0.19 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33
Delay/Veh: 1.6 1.6 1.6 1.6 1.6 1.6 30.4 30.4 30.4 30.4 30.4 30.4
Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
ProgAdjPct: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDelay/Veh: 1.6 1.6 1.6 1.6 1.6 1.6 30.4 30.4 30.4 30.4 30.4 30.4
DesignQueue: 0 2 0 0 4 0 2 1 1 1 1 2
Appendix C

Freeway Segment and Ramp Summary Tables
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<th>Freeway Segment</th>
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<th>Ave. Speed/a</th>
<th># of Lanes</th>
<th>Volume/a</th>
<th>Density (Density)</th>
<th>Mixed-Flow Lanes</th>
<th>Ave. Speed/a</th>
<th># of Lanes</th>
<th>Volume/a</th>
<th>Density (Density)</th>
<th>HOV Lanes</th>
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<td>EB</td>
<td>AM 60</td>
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<td>7.1</td>
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Project Conditions Freeway Level of Service

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1. I-280 I-880 to Meridian
   - EB AM 60 4 5,110 23.0 C
   - WB AM 60 4 4,060 20.0 F
   - EB PM 60 4 5,990 26.0 D
   - WB PM 60 4 6,660 31.0 D

2. I-280 Meridian to Bird
   - EB AM 60 4 6,720 28.0 D
   - WB AM 60 4 4,370 21.0 B
   - EB PM 50 4 7,200 23.0 C
   - WB PM 50 4 5,000 20.0 C

3. I-280 Bird to SR 67
   - EB AM 60 4 6,680 27.0 D
   - WB AM 60 4 5,900 26.0 F

4. I-280 SR 67 to 10th
   - EB AM 60 4 5,820 23.0 C
   - WB AM 60 4 6,700 26.0 D

5. I-280 10th to McClaughlin
   - EB AM 60 4 5,380 22.0 C
   - WB AM 60 4 5,800 29.0 D

6. I-280 McClaughlin to US 101
   - EB AM 60 4 5,280 22.0 C
   - WB AM 60 4 5,820 29.0 D

7. US 101 to King
   - EB AM 60 4 6,990 29.0 D
   - WB AM 60 4 7,620 33.0 D

8. The Alameda to Coleman
   - EB AM 60 3 4,130 51.1 F
   - WB AM 60 3 5,280 26.0 D

9. Coleman to SR 67
   - EB AM 60 3 4,690 30.9 F
   - WB AM 60 3 5,280 23.0 C

10. SR 87 to First
    - EB AM 3 7,830 49.1 F
    - WB AM 3 5,430 30.0 C

11. First to US 101
    - EB AM 3 4,590 152.0 F
    - WB AM 3 5,430 30.0 C

12. US 101 to Brokaw
    - EB AM 2 2,730 49.1 F
    - WB AM 2 2,800 35.0 B

13. Hodges Pkwy
    - EB AM 2 4,290 90.0 F
    - WB AM 2 4,880 77.0 F

### Notes
- LOS: Lane Utilization State
- Density: Vehicles per lane mile
- Volume: Total vehicles per hour
- F: Free Flow
- B: Bottleneck
- C: Congestion
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- Ramp metered during AM peak hour, capacity assumed to be 1,000 v/hpl
- Ramp metered during AM peak hour, capacity assumed to be 1,000 v/hpl
- Existing traffic data not available or future ramp
- Italic indicates 2020 future volumes obtained directly from model with no adjustments
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<th>Volume-to-Capacity AM</th>
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<td>2,000</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A N/A</td>
<td>N/A N/A</td>
<td>102</td>
<td>0.051 A</td>
</tr>
<tr>
<td>SB I 280 On from 7th St</td>
<td>2</td>
<td>2,000</td>
<td>4,000</td>
<td>393</td>
<td>835</td>
<td>0.098 A</td>
<td>0.209 A</td>
<td>609</td>
<td>0.152 A</td>
</tr>
<tr>
<td>NB I 280 On from Almaden Blvd</td>
<td>2</td>
<td>2,000</td>
<td>4,000</td>
<td>1,159</td>
<td>570</td>
<td>0.290 A</td>
<td>0.143 A</td>
<td>1,279</td>
<td>0.320 A</td>
</tr>
<tr>
<td>SB I 280 Off to Almaden Blvd</td>
<td>1</td>
<td>2,000</td>
<td>2,000</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A N/A</td>
<td>N/A N/A</td>
<td>644</td>
<td>0.322 A</td>
</tr>
<tr>
<td>NB I 280 On from 4th St</td>
<td>2</td>
<td>2,000</td>
<td>4,000</td>
<td>735</td>
<td>1,414</td>
<td>0.184 A</td>
<td>0.354 A</td>
<td>847</td>
<td>0.212 A</td>
</tr>
<tr>
<td>SB I 280 On from 1st St</td>
<td>1</td>
<td>1,800</td>
<td>1,800</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A N/A</td>
<td>N/A N/A</td>
<td>396</td>
<td>0.220 A</td>
</tr>
</tbody>
</table>

Notes:

- Ramp metered during AM peak hour, capacity assumed to be 1,000 vph/pl
- Ramp metered during AM peak hour, capacity assumed to be 1,000 vph/pl
- Existing traffic data not available or future ramp
- Italic indicate 2020 future volumes obtained directly from model with no adjustments
Appendix D

Conceptual Intersection Mitigation Drawings
NOTE:
SPLIT SIGNAL PHASE ON HEDDING STREET.

PROPOSED IMPROVEMENTS
INTERSECTION 78
OAKLAND RD. AND HEDDING ST.

Hexagon Transportation
Consultants, Inc.
40 South Market Street, Suite 600
San Jose, California 95113
Phone: (408) 577-4500 Fax: (408) 577-4610

DESIGNED BY: M. POWELL
DATE: 11/20/03

NOT TO SCALE
Appendix E

GPA Analysis Information
INTRODUCTION

The purpose of this General Plan Amendment (GPA) traffic study is to evaluate the long-term traffic impacts of the proposed network change the designation from Arterial (80 – 106 feet) to Arterial (115 – 130 feet) in General Plan Land Use / Transportation Diagram for Coleman Avenue between Hedding Street and State Route 87.

The objective of this GPA is to improve the Downtown gateway capacity to facilitate the ever-increasing traffic as recommended in the new Downtown Strategy Plan Study sponsored by the Redevelopment Agency. This GPA consists of changes of network elements only, and would not result in any land use changes, increase or decrease of trips in the system.

STUDY METHODOLOGY

This traffic analysis is based on the City of San José’s traffic forecasting model. The model was developed to help the city project PM peak hour traffic impacts attributable to changes proposed to the city’s General Plan. The model is implemented using the TRANPLAN transportation planning software system. The San José model includes the four elements traditionally associated with models of this kind. These elements include:

- Trip Generation,
- Trip Distribution,
- Mode Choice, and
- Traffic Assignment.

The fundamental structure of the model includes a computer readable representation of the street system (highway network) that defines street segments (links) identified by end points (nodes). Each roadway link is further represented by key characteristics (link data) that describe the length, travel speeds, and vehicular capacity of the roadway segment. Small geographic areas (traffic analysis zones also called TAZ’s) are used to represent the planned land use activity throughout the city’s planning area. The boundaries of these small geographic areas are typically defined by the modeled street system, as well as natural and man made barriers to traffic.

The socioeconomic data for each TAZ in the model includes information about the number of households (stratified by household income and structure type), and employment (stratified by groupings of Standard Industrial Codes). The trip generation element of the San José model projects the traffic attributable to normal household and employment centers using trip generation rates and factors. The trip generation rates were derived from the Metropolitan Transportation Commission's 1981 San Francisco Bay Region Travel Survey, Caltrans San Francisco Bay Region and San Diego Trip Generation Studies, the Institute of Transportation Engineering trip generation studies and Arizona Department of Transportation studies.
Activity centers that have unusual traffic generating characteristics such as schools, hotels, large shopping centers, and airports are designated as special generators, and their associated traffic is manually estimated based on information from the above cited sources of trip generation information. Projected trips entering and leaving the County of Santa Clara are taken from a larger regional model run by the Metropolitan Transportation Commission (MTC) and the Valley Transportation Agency (VTA).

Travel times within and between TAZs (intra-zonal and inter-zonal and terminal times) are developed from the network being modeled. Travel times within zones (intra-zonal travel times) are derived for each zone based on half its average travel time to adjacent zones. Time to walk to and from the trip maker’s car (terminal times) are also added. For special areas, additional terminal time is added to reflect the extra time associated with large parking lots, parking structures and areas with limited parking, specifically zones with large employer sites, shopping centers and in the downtown area. The projected daily trips are distributed using a standard gravity model and friction factors calibrated for the Santa Clara County area. The resulting trip distribution (trip table) factored to represent the number of trips occurring during the PM peak hour, the directionality of those trips, and deducting the estimated non-auto related trip-making (transit travel and carpool passengers). The assignment of the trip table to the roadway network uses a route selection procedure based on minimum travel time paths (as opposed to minimum travel distance paths) between TAZs and is done using a capacity constrained equilibrium seeking process. This capacity-constrained traffic assignment process enables the model to reflect diversion of traffic around congested portions of the modeled street system.

In addition to providing projected PM peak hour volumes and ratios comparing projected traffic volume to available roadway capacity (v/c ratios) on each roadway segment, the model provides information on vehicle-miles and vehicle-hours of travel by facility type (freeway, expressways, arterial streets, etc.). These informational reports can be used to compare and evaluate the project traffic impacts attributable to proposed amendments to the currently adopted San José General Plan. The San José traffic forecasting model is intended for use as a "macro analysis tool," that projects probable future conditions and is best used when comparing alternative future scenarios. It is not designed to answer "micro analysis level" operational questions.

This study also identifies current operating conditions of transportation facilities in the vicinity of the proposed General Plan Amendment locations. The near-term traffic information is presented to identify existing conditions in the area, some of which may constitute constraints for future studies. A more detailed traffic impact analysis may be conducted when engineering plans are developed. That analysis will address the near-term traffic constraints in detail and will identify abatement measures, if warranted.
EXISTING CONDITIONS

Existing Intersection Levels of Services

The results of the level of service analysis under existing conditions are attached at the end of this report. The results show that, measured against the City of San José level of services standards, 3 of the 74 signalized intersections in the vicinity of the GPA locations currently operated at an unacceptable LOS E or F during at least one of the peak hours. They are:

<table>
<thead>
<tr>
<th>Node</th>
<th>Intersection</th>
<th>Scenario</th>
<th>Date</th>
<th>Delay</th>
<th>LOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3519</td>
<td>FIRST/TAYLOR</td>
<td>Existing (PM)</td>
<td>2/13/1997</td>
<td>49</td>
<td>E</td>
</tr>
<tr>
<td>3417</td>
<td>COLEMAN/TAYLOR</td>
<td>Existing (AM)</td>
<td>1/29/1997</td>
<td>47.2</td>
<td>E</td>
</tr>
<tr>
<td>3413</td>
<td>COLEMAN/HEDDING</td>
<td>Existing (AM)</td>
<td>3/19/1997</td>
<td>44.4</td>
<td>E</td>
</tr>
</tbody>
</table>

Background conditions represent traffic conditions that would occur after all approved projects are completed and producing traffic on the street system. The results of the level of service analysis under background conditions are summarized in the table below. The results show that the same 3 intersections identified above would operate at an unacceptable LOS E or F during at least one of the peak hours of traffic. The intersection at Coleman Avenue and Hedding Street would operate at or below LOS E for both AM and PM peak hour, that is a significant degradation from the existing condition in which this intersection operates at LOS E only in the AM peak hour. All other signalized intersections would operate at an acceptable LOS D or better under background conditions. It should be noted that traffic data for these 3 intersections are aged at 6 years or older. The annual traffic data collections for these intersections have been suspended due to the construction of State Route 87. The LOS of these intersections, for both existing and background conditions, may fluctuate considerably once the City resumes data collection upon completion of State Route 87 freeway.

<table>
<thead>
<tr>
<th>Node</th>
<th>Intersection</th>
<th>Scenario</th>
<th>Date</th>
<th>Delay</th>
<th>LOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3519</td>
<td>FIRST/TAYLOR</td>
<td>Background (PM)</td>
<td>2/13/1997</td>
<td>59.2</td>
<td>E-</td>
</tr>
<tr>
<td>3417</td>
<td>COLEMAN/TAYLOR</td>
<td>Background (AM)</td>
<td>1/29/1997</td>
<td>56.5</td>
<td>E-</td>
</tr>
<tr>
<td>3413</td>
<td>COLEMAN/HEDDING</td>
<td>Background (AM)</td>
<td>3/19/1997</td>
<td>70.1</td>
<td>F</td>
</tr>
<tr>
<td>3413</td>
<td>COLEMAN/HEDDING</td>
<td>Background (PM)</td>
<td>10/29/1996</td>
<td>43.2</td>
<td>E+</td>
</tr>
</tbody>
</table>

Existing Freeway Levels of Service

Traffic volumes on freeway segments in the vicinity of the site were obtained from the Santa Clara County Congestion Management Program 2002 Monitoring & Conformance Report, April 2003. The results of the analysis, which are summarized below, show that 7 of the 10 freeway segments in the vicinity of the site currently operate at an unacceptable LOS F during at least one of the peak hours.
<table>
<thead>
<tr>
<th>Facility</th>
<th>Direction</th>
<th>From</th>
<th>To</th>
<th>Segment</th>
<th>Existing LOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR87</td>
<td>NB</td>
<td>I-280</td>
<td>Julian St</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Julian St</td>
<td>Coleman Ave</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>SR87</td>
<td>SB</td>
<td>Julian St</td>
<td>I-280</td>
<td></td>
<td>F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Coleman Ave</td>
<td>Julian St</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>I-880</td>
<td>NB</td>
<td>The Alameda</td>
<td>Coleman</td>
<td></td>
<td>F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Coleman</td>
<td>SR 87</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SR 87</td>
<td>N. 1st</td>
<td></td>
<td>F</td>
</tr>
<tr>
<td></td>
<td>SB</td>
<td>N. 1st</td>
<td>SR 87</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SR 87</td>
<td>Coleman</td>
<td></td>
<td>E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Coleman</td>
<td>The Alameda</td>
<td></td>
<td>F</td>
</tr>
</tbody>
</table>

Source: Santa Clara Valley Transportation Authority

LONG-TERM TRAFFIC IMPACT ANALYSIS

This GPA as proposed does not comprise any land use changes, thus, would not result in any changes of PM peak hour trips generated in the vicinity and the entire County. Traffic is expected to react to the proposed transportation network changes, and re-route in the system.

Significant Impact Criteria

The determination of significance is based on the extent to which the proposed change contributes to peak-hour congestion in the vicinity of the proposed amendment. For this analysis, the addition of peak direction trips are determined on the congested links (LOS E or F) of (1) the facilities being changed; (2) the alternative routes to the facilities being changed; (3) the streets that connect to the facilities being changed; and (4) the streets that connect to the alternative routes. Congested links are grouped in sets and are generally major parallel facilities. The links are grouped in this manner to account for trip reassignment by the computer model. The traffic impact from the proposed GPA will be significant if:

- VMT and VHT both increase by 0.20 percent for all roadways in the San José Sphere of Influence.
- The volume on nearby LOS E/F links increases by 1.50 percent or more over the average volume of those congested links.

The impact criteria and thresholds of significance are described in more detail in the document titled Methodology for Preparing Long Term Traffic Impact Assessments – June 2003 Update, City of San José, 2003. This document is available from City of San José, Department of Transportation.

Long Range Transportation Impacts

Both the increases of VMT and VHT for all roadways in the San José Sphere of Influence are below 0.20 percent for the proposed General Plan Amendment. There are 4 sets of roadway links operate at LOS E/F for the adopted General Plan base case. The E/F link set north of
Hedding Street is projected to cause an increase of 4.74% that exceeds the significant impact threshold of 1.5%. The projected volume increase of 179 vehicles is most noticeable at Coleman Avenue resulted from the proposed amendment. The proposed General Plan Amendment would not cause the volume to increase by 1.50% or more on any other E/F link sets. Therefore, based on impact criteria for the VMT/VHT analysis and the LOS E/F link analysis, the long-term traffic impacts as a result of the proposed General Plan Amendment scenario are determined to be significant. The changes in VMT/VHT and in trips on the E/F links are shown in the tables below.

### VMT/VHT Analysis

<table>
<thead>
<tr>
<th></th>
<th>Base</th>
<th>GP03-03-12</th>
<th>Change</th>
<th>Percentage</th>
<th>Significant Criterion</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMT</td>
<td>1,563,779</td>
<td>1,564,205</td>
<td>425</td>
<td>0.03%</td>
<td>0.20%</td>
</tr>
<tr>
<td>VHT</td>
<td>40,957</td>
<td>40,989</td>
<td>32</td>
<td>0.08%</td>
<td>0.20%</td>
</tr>
</tbody>
</table>

### E/F Link Analysis

**in PM Peak Hour**

**Link #1**

N/o Hedding

<table>
<thead>
<tr>
<th>E/F Link</th>
<th>Base Volume</th>
<th>Base Capacity</th>
<th>V/C</th>
<th>Project Volume</th>
<th>Project Capacity</th>
<th>V/C</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1972</td>
<td>1837</td>
<td>1.0735*</td>
<td>1999</td>
<td>1837</td>
<td>1.0882*</td>
<td>27</td>
</tr>
<tr>
<td>2</td>
<td>7572</td>
<td>5500</td>
<td>1.3767*</td>
<td>7556</td>
<td>5500</td>
<td>1.3738*</td>
<td>-16</td>
</tr>
<tr>
<td>3</td>
<td>2479</td>
<td>2763</td>
<td>0.8972</td>
<td>2658</td>
<td>2763</td>
<td>0.9620*</td>
<td>179</td>
</tr>
</tbody>
</table>

**Total**

- Number of E/F Links: 3
- Average Link Volume: 4,008
- Change in Volume: 190
- Total Volume: 4,008
- Percent Change: 4.74% (Significant impact = 1.50%)

**Link #2**

S/o Julian

<table>
<thead>
<tr>
<th>E/F Link</th>
<th>Base Volume</th>
<th>Base Capacity</th>
<th>V/C</th>
<th>Project Volume</th>
<th>Project Capacity</th>
<th>V/C</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7998</td>
<td>5500</td>
<td>1.4542*</td>
<td>8030</td>
<td>5500</td>
<td>1.4600*</td>
<td>32</td>
</tr>
</tbody>
</table>

**Total**

- Number of E/F Links: 1
- Average Link Volume: 7,998
- Change in Volume: 32
- Total Volume: 7,998
- Percent Change: 0.40% (Significant impact = 1.50%)

(continue next page)
Link #3.
W/o First

<table>
<thead>
<tr>
<th></th>
<th>Base</th>
<th></th>
<th></th>
<th>Project</th>
<th></th>
<th></th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Volume</td>
<td>Capacity</td>
<td>V/C</td>
<td>Volume</td>
<td>Capacity</td>
<td>V/C</td>
<td></td>
</tr>
<tr>
<td>E/F Link</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>I-880</td>
<td>8643</td>
<td>6600</td>
<td>1.3095*</td>
<td>8677</td>
<td>6600</td>
<td>1.3147*</td>
</tr>
<tr>
<td>2</td>
<td>Julian</td>
<td>1967</td>
<td>1837</td>
<td>1.0708*</td>
<td>1919</td>
<td>1837</td>
<td>1.0446*</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>10,610</td>
<td>10,596</td>
<td>-14</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of E/F Links</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Link Volume</td>
<td>5,305</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Change in Volume</strong></td>
<td>-14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Volume</strong></td>
<td>5,305</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Percent Change</strong></td>
<td>-0.26%</td>
<td>(Significant impact = 1.50%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Link #4
N/o Alameda

<table>
<thead>
<tr>
<th></th>
<th>Base</th>
<th></th>
<th></th>
<th>Project</th>
<th></th>
<th></th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Volume</td>
<td>Capacity</td>
<td>V/C</td>
<td>Volume</td>
<td>Capacity</td>
<td>V/C</td>
<td></td>
</tr>
<tr>
<td>E/F Link</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>I-880</td>
<td>9393</td>
<td>7700</td>
<td>1.2199*</td>
<td>9375</td>
<td>7700</td>
<td>1.2175*</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>9,393</td>
<td>9,375</td>
<td>-18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of E/F Links</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Link Volume</td>
<td>9,393</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Change in Volume</strong></td>
<td>-18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Volume</strong></td>
<td>9,393</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Percent Change</strong></td>
<td>-0.19%</td>
<td>(Significant impact = 1.50%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mitigation for Long Range Impacts**

Consistent with City policies and practice, the TRANPLAN model used to evaluate traffic impacts for this proposed amendment includes all of the major infrastructure identified in the General Plan Land Use/Transportation Diagram, including infrastructure that is not yet built and/funded.

**General Plan Policies**
Impacts from these proposed General Plan amendments would be reduced by conformance with General Plan policies, including the following:

*Services and Facilities Level of Service Policy #5* - requires that the minimum overall performance of City streets during peak travel periods should be level of service “D”. To meet that goal, the policy states that development proposals should be reviewed for their measurable impacts on the level of service and should be required to provide appropriate mitigation measures if they have the potential to reduce the level of service to “D” or worse.

Results of the traffic analysis indicate that the proposed amendment will add traffic to streets already identified as operating at unacceptable levels. According to the general plan policy and impact criteria, this constitutes a significant impact. Although there is no mitigation yet
identified, at the time a specific development application is submitted, a traffic impact study would identify any current condition deficiencies that would need to be mitigated to meet level of service policies. In accordance with the City’s level of service policy, any impacts would then have to be mitigated before the project could be approved.

*Transportation Policy #1 (Thoroughfares)* states that inter-neighborhood movement of people and goods should occur on thoroughfares and is discouraged on neighborhood streets.

*Transportation Policy #3 (Thoroughfares)* states that public street right-of-way dedication and improvements should be required as development occurs. Ultimate thoroughfare right-of-way should be no less than the dimensions as shown on the Land Use/Transportation Diagram except when a lesser right-of-way will avoid significant social, neighborhood or environmental impacts and perform the same traffic movement function.

*Transportation Policy #8 (Thoroughfares)* states that vehicular, bicycle, and pedestrian safety should be an important factor in the design of streets and roadways.

*Transportation Policy #9 (Impacts on Local Neighborhoods)* states that neighborhood streets should be designed to discourage through traffic and unsafe speeds. If neighborhood streets are used for through traffic or if they are traveled at unsafe speeds, law enforcement and traffic operations techniques should be employed to mitigate these conditions.

*Transportation Policy #11 (Transit Facilities)* states that the City should cooperate with transportation agencies to achieve the following objectives for the County’s public transit system:

- Provide all segments of the City’s population, including the handicapped, elderly, youth and economically disadvantaged, with adequate access to public transit. Public transit should be designed to be an attractive, convenient, dependable and safe alternative to the automobile.
- Enhance transit service in major commute corridors, and provide convenient transfers between public transit systems and other modes of travel.

*Transportation Policy #16 (Pedestrian Facilities)* states that pedestrian travel should be encouraged as a viable mode of movement between high density residential and commercial areas throughout the City and in activity areas such as parks, transit stations, and in urban areas, particularly the Downtown Core Area and neighborhood business districts by providing safe and convenient pedestrian facilities.

*Transportation Policy #41 (Bicycling)* states that the City should develop a safe, direct, and well-maintained transportation bicycle network linking residences, employment centers, schools, parks and transit facilities and should promote bicycling as an alternative mode of transportation for commuting as well as for recreation.

*Transportation Policy #42 (Bicycling)* states that bike lanes are considered generally appropriate on arterial and major collector streets. Right-of-way requirements for bike lanes should be considered in conjunction with planning the major thoroughfares network and in implementing street improvement projects.
Transportation Policy #43 (Bicycling) states that priority improvements to the Transportation Bicycle Network should include:

- Bike routes linking light rail stations to nearby neighborhoods.
- Bike paths along designated trails and pathways corridors.
- Bike paths linking residential areas to major employment centers.

Cumulative Impacts

TO BE COMPLETED when the data become available.
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LETTER OF TRANSMITTAL

TO: Gary Black, Hexagon Transportation

RE: GP03-03-12

WE ARE SENDING YOU

☑ Attached ☐ Under separate cover via ______ the following items:

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THESE ARE TRANSMITTED as checked below:
☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☑ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested/ ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ Items returned after loan to us ☐ other __________________________

REMARKS:

Attached is the GP03-03-12 Project Impact Analysis and data. Also included is the Traffic Analysis Report for the GPA, which was prepared by the City of San José, Department of Transportation.

Please call me at 277-2545, or Casey Hirasaki at 277-4304, if you have any questions.

Sincerely,

Paul Ma
Transportation Systems Plan Manager
Transportation Planning Division

4 North Second Street, Suite 1000, San Jose, CA 95113  tel (408) 277-4304  fax (408) 277-2489
## General Plan Amendments
**GP03-03-12 (Coleman)**
**Screenlines Analysis in the PM Peak Direction**

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**Total Inbound:** 20,507 23,218 349,698 669,604

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</tr>
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<td>10,106</td>
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<td>127,721</td>
<td>45,741</td>
<td>199,598</td>
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<tr>
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<td></td>
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<td>7,410</td>
<td>8,797</td>
<td>66,655</td>
<td>277,641</td>
<td>366,677</td>
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</table>

**Total Inbound:** 20,507 23,218 349,698 669,604

<table>
<thead>
<tr>
<th>EV</th>
<th>Change in Volume</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Change</td>
<td>0.00%</td>
<td>(Significant impact for EV = 0.10%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSJ</th>
<th>Change in Volume</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Change</td>
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<td>(Significant impact for SSJ = 0.20%)</td>
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</tbody>
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<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Percent Change</td>
<td>0.00%</td>
<td>(Significant impact for NSJ = 0.20%)</td>
</tr>
</tbody>
</table>

District 1: North San Jose
District 2: Evergreen
District 3: South San Jose
District 4: Remainder of City
District 5: Remainder of County

10/15/2003
Department of Transportation
# General Plan Amendment
**GP03-03-12 (Coleman)**
**E/F Link Analysis**
in PM Peak Direction

## Link #1

**Link Name:** N/O Hedding

<table>
<thead>
<tr>
<th></th>
<th>A-Node</th>
<th>B-Node</th>
<th>E/F Link</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7210</td>
<td>3486</td>
<td>First</td>
<td>1972</td>
<td>1837</td>
<td>1.0735*</td>
<td>1999</td>
<td>1837</td>
<td>1.0682*</td>
<td>27</td>
</tr>
<tr>
<td>2</td>
<td>6546</td>
<td>6548</td>
<td>CA-87</td>
<td>7572</td>
<td>5500</td>
<td>1.3767*</td>
<td>7556</td>
<td>5500</td>
<td>1.3738*</td>
<td>-16</td>
</tr>
<tr>
<td>3</td>
<td>3053</td>
<td>3413</td>
<td>Coleman</td>
<td>2479</td>
<td>2763</td>
<td>0.8972</td>
<td>2608</td>
<td>2763</td>
<td>0.9920*</td>
<td>179</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12,023</td>
<td></td>
<td></td>
<td>12,213</td>
<td></td>
<td></td>
<td>190</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
<td>Number of E/F Links</td>
<td>3</td>
<td>Average Link Volume</td>
<td>4,008</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Change in Volume:** 190

**Total Volume:** 4,008

**Percent Change:** 4.74%

*(Significant impact = 1.50%)*

## Link #2

**Link Name:** S/O Julian

<table>
<thead>
<tr>
<th></th>
<th>A-Node</th>
<th>B-Node</th>
<th>E/F Link</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6559</td>
<td>6561</td>
<td>CA-87</td>
<td>7998</td>
<td>5500</td>
<td>1.4542*</td>
<td>8030</td>
<td>5500</td>
<td>1.4900*</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7,998</td>
<td></td>
<td></td>
<td>8,030</td>
<td></td>
<td></td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
<td>Number of E/F Links</td>
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<td>Average Link Volume</td>
<td>7,998</td>
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</tr>
</tbody>
</table>

**Change in Volume:** 32

**Total Volume:** 7,998

**Percent Change:** 0.40%

*(Significant impact = 1.50%)*

## Link #3

**Link Name:** W/O First

<table>
<thead>
<tr>
<th></th>
<th>A-Node</th>
<th>B-Node</th>
<th>E/F Link</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6313</td>
<td>6315</td>
<td>I-80</td>
<td>8643</td>
<td>6500</td>
<td>1.3095*</td>
<td>8677</td>
<td>6500</td>
<td>1.3147*</td>
<td>34</td>
</tr>
<tr>
<td>2</td>
<td>3499</td>
<td>7134</td>
<td>Julian</td>
<td>1967</td>
<td>1837</td>
<td>1.0708*</td>
<td>1919</td>
<td>1837</td>
<td>1.0446*</td>
<td>-48</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10,610</td>
<td></td>
<td></td>
<td>10,596</td>
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<td></td>
<td>-14</td>
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<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
<td>Number of E/F Links</td>
<td>2</td>
<td>Average Link Volume</td>
<td>5,305</td>
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</tr>
</tbody>
</table>

**Change in Volume:** -14

**Total Volume:** 5,305

**Percent Change:** -0.26%

*(Significant impact = 1.50%)*

---

10/15/2003
### General Plan Amendment
**GP03-03-12 (Coleman)**
**E/F Link Analysis**
in PM Peak Direction

#### Link #4
No Alameda

<table>
<thead>
<tr>
<th>A-Node</th>
<th>B-Node</th>
<th>E/F Link</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Volume</th>
<th>Capacity</th>
<th>V/C</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>6320</td>
<td>6322</td>
<td>I-880</td>
<td>9393</td>
<td>7700</td>
<td>1.2199*</td>
<td>9375</td>
<td>7700</td>
<td>1.2175*</td>
<td>-18</td>
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</tbody>
</table>

- Total 9,393
- Number of E/F Links 1
- Average Link Volume 9,393

<table>
<thead>
<tr>
<th>Change in Volume</th>
<th>-18</th>
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</thead>
<tbody>
<tr>
<td>Total Volume</td>
<td>9,393</td>
</tr>
</tbody>
</table>
| Percent Change   | -0.19% | (Significant impact = 1.50%)
## General Plan Amendments
### GP03-03-12 (Coleman)
### Vehicle Miles Traveled (VMT) Analysis Summary

<table>
<thead>
<tr>
<th>BASE</th>
<th>Freeways</th>
<th>Highways</th>
<th>Express-ways</th>
<th>Arterials</th>
<th>Collectors</th>
<th>On-ramps/Off-ramps</th>
<th>Interchng Ramps</th>
<th>Loop Ramps</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSJ</td>
<td>42,790</td>
<td>-</td>
<td>19,736</td>
<td>49,698</td>
<td>6,661</td>
<td>1,738</td>
<td>-</td>
<td>67</td>
<td>120,689</td>
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<tr>
<td>EV</td>
<td>69,143</td>
<td>-</td>
<td>9,165</td>
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<td>6,509</td>
<td>5,901</td>
<td>1,887</td>
<td>1,158</td>
<td>154,565</td>
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<tr>
<td>SSJ</td>
<td>110,694</td>
<td>19,833</td>
<td>36,625</td>
<td>66,754</td>
<td>5,879</td>
<td>2,316</td>
<td>2,020</td>
<td>178</td>
<td>246,300</td>
</tr>
<tr>
<td>Rest of SJ</td>
<td>463,709</td>
<td>37,764</td>
<td>67,360</td>
<td>372,608</td>
<td>46,578</td>
<td>26,535</td>
<td>23,395</td>
<td>4,279</td>
<td>1,042,226</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>706,335</td>
<td>57,597</td>
<td>132,885</td>
<td>531,862</td>
<td>65,826</td>
<td>36,491</td>
<td>27,302</td>
<td>5,682</td>
<td>1,563,779</td>
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</table>

**Total Base VMT = 1,563,779**

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>Freeways</th>
<th>Highways</th>
<th>Express-ways</th>
<th>Arterials</th>
<th>Collectors</th>
<th>On-ramps/Off-ramps</th>
<th>Interchng Ramps</th>
<th>Loop Ramps</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSJ</td>
<td>42,877</td>
<td>-</td>
<td>19,783</td>
<td>49,457</td>
<td>6,654</td>
<td>1,752</td>
<td>-</td>
<td>66</td>
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<td>9,238</td>
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<td>5,870</td>
<td>1,883</td>
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<td>5,897</td>
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<tr>
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<td>37,588</td>
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<td>65,502</td>
<td>36,496</td>
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<td>5,724</td>
<td>1,564,205</td>
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</table>

**Total Project VMT = 1,564,205**

| Change in VMT | 425 |
| Percent Change | 0.03% |

(Significant impact = 0.20%)

10/15/2003
Department of Transportation
## General Plan Amendments
**GP03-03-12 (Coleman)**

**Vehicle Hours Traveled (VHT) Analysis Summary**

<table>
<thead>
<tr>
<th></th>
<th>BASE</th>
<th>Freeways</th>
<th>Highways</th>
<th>Expressways</th>
<th>Arterials</th>
<th>Collectors</th>
<th>On-ramps/Off-ramps</th>
<th>Interchng Ramps</th>
<th>Loop Ramps</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSJ</td>
<td>881</td>
<td>-</td>
<td>526</td>
<td>1,488</td>
<td>274</td>
<td>75</td>
<td>-</td>
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<td>30</td>
<td>3,245</td>
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<tr>
<td>EV</td>
<td>1,978</td>
<td>-</td>
<td>229</td>
<td>1,330</td>
<td>307</td>
<td>251</td>
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<td>39</td>
<td>3</td>
<td>4,171</td>
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<tr>
<td>SSJ</td>
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<td>418</td>
<td>941</td>
<td>2,034</td>
<td>249</td>
<td>86</td>
<td>47</td>
<td>8</td>
<td>17</td>
<td>5,997</td>
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<tr>
<td>Rest of SJ</td>
<td>9,811</td>
<td>863</td>
<td>1,551</td>
<td>11,415</td>
<td>1,980</td>
<td>1,147</td>
<td>497</td>
<td>179</td>
<td>229</td>
<td>27,543</td>
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<tr>
<td><strong>Totals</strong></td>
<td>14,884</td>
<td>1,280</td>
<td>3,348</td>
<td>16,267</td>
<td>2,810</td>
<td>1,558</td>
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<td>229</td>
<td>40,957</td>
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**Total Base VHT = 40,957**

<table>
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<th>Freeways</th>
<th>Highways</th>
<th>Expressways</th>
<th>Arterials</th>
<th>Collectors</th>
<th>On-ramps/Off-ramps</th>
<th>Interchng Ramps</th>
<th>Loop Ramps</th>
<th>Totals</th>
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<tbody>
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<td>-</td>
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<td>-</td>
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<td>11,427</td>
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<td>1,147</td>
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<td>182</td>
<td>231</td>
<td>27,564</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>14,911</td>
<td>1,274</td>
<td>3,348</td>
<td>16,267</td>
<td>2,820</td>
<td>1,558</td>
<td>583</td>
<td>231</td>
<td>40,989</td>
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</tr>
</tbody>
</table>

**Total Project VHT = 40,989**

| Change in VHT | 32  | (Significant impact = 0.20%) |
| Percent Change | 0.08% |
CITY OF SAN JOSE

Department of Planning, Building and Code Enforcement
Planning Divisions, 801 North First Street, Rm 400
San Jose, California 95110-1785
(408) 277-4576
Website: www.ci.san-jose.ca.us/planning/ajplan

GENERAL PLAN AMENDMENT APPLICATION

TO BE COMPLETED BY PLANNING STAFF:

<table>
<thead>
<tr>
<th>FILE NUMBER (LAND USE AMENDMENT)</th>
<th>COUNCIL DISTRICT</th>
<th>QUAD #</th>
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<tbody>
<tr>
<td>GP</td>
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<table>
<thead>
<tr>
<th>FILE NUMBER (TEXT AMENDMENT)</th>
<th>ZONING</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPT</td>
<td>GP - T-</td>
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</tbody>
</table>

PROJECT LOCATION AND STREET ADDRESS

<table>
<thead>
<tr>
<th>RECEIPT #:</th>
<th>DATE:</th>
<th>BY:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TO BE COMPLETED BY THE APPLICANT:

(PLEASE PRINT OR TYPE. FOR ADDITIONAL INFORMATION USE A SUPPLEMENTAL SHEET)

EXISTING GENERAL PLAN / DESIGNATION OR TEXT REFERENCE

Transportation LOS Policy

REQUESTED GENERAL PLAN / DESIGNATION OR TEXT

Delete the following intersections from the LOS Policy

1. Alameda and Hedding
2. 7th + Virginia
3. First and Taylor
4. Meridian and San Carlos

OTHER GENERAL PLAN CHANGES

FOR THE PROPERTY LOCATED AT

N/A

<table>
<thead>
<tr>
<th>ASSESSOR'S PARCEL NUMBER(S) (APN)</th>
<th>GROSS ACREAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

EXISTING LAND USE(S)

SUBJECT SITE -

N/A

NORTH -

EAST -

SOUTH -

WEST -

THIS APPLICATION IS ACCEPTED BY APPOINTMENT ONLY WITH THE GENERAL PLAN STAFF, CALL (408) 277-4576.
TO BE COMPLETED BY THE APPLICANT
(PLEASE PRINT OR TYPE. FOR ADDITIONAL INFORMATION USE A SUPPLEMENTAL SHEET)

REASON(S) FOR AMENDMENT REQUEST

To conform to the concept that there are gateways to the downtown (as defined: downtown is the "greater downtown") that may experience higher levels of traffic impacts and those intersections should not be expanded with additional traffic capacity.

THE FOLLOWING REQUIRED MATERIALS ARE ATTACHED:

☐ Application for Environmental Clearance
☐ Application Fee(s) and Public Noticing Fees
☐ Assessor's Parcel Map(s)

Submitted as part of the draft Downtown ELK

THIS APPLICATION IS ACCEPTED BY APPOINTMENT ONLY WITH THE GENERAL PLAN STAFF, CALL (408) 277-4575.
**APPLICANT**

That for the purpose of processing and coordination of this application, the following person is my (our) designated representative/contact person:

<table>
<thead>
<tr>
<th>PRINT NAME OF APPLICANT</th>
<th>RELATIONSHIP TO OWNER(S)</th>
<th>NAME OF FIRM, IF APPLICABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Jose Redevelopment</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADDRESS</th>
<th>CITY</th>
<th>STATE</th>
<th>ZIP CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 West San Fernando Street Ste 1500</td>
<td>San Jose</td>
<td>CA</td>
<td>95113</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>DAYTIME TELEPHONE #</th>
<th>FAX TELEPHONE #</th>
<th>E-MAIL ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>(408) 794-1015</td>
<td>(408) 277-3153</td>
<td><a href="mailto:dennis.korabialik@sanjose.ca.gov">dennis.korabialik@sanjose.ca.gov</a></td>
</tr>
</tbody>
</table>

**CONTACT PERSON (IF DIFFERENT FROM APPLICANT)**

<table>
<thead>
<tr>
<th>PRINT NAME OF CONTACT PERSON</th>
<th>NAME OF FIRM, IF APPLICABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dennis Korabialik</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADDRESS</th>
<th>CITY</th>
<th>STATE</th>
<th>ZIP CODE</th>
</tr>
</thead>
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<table>
<thead>
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<th>E-MAIL ADDRESS</th>
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<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
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**PROPERTY OWNER**

<table>
<thead>
<tr>
<th>PRINT NAME OF OWNER</th>
<th>NAME OF FIRM, IF APPLICABLE</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>ADDRESS</th>
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<th>STATE</th>
<th>ZIP CODE</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DAYTIME TELEPHONE #</th>
<th>FAX TELEPHONE #</th>
<th>E-MAIL ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>PRINT NAME OF OWNER</th>
<th>NAME OF FIRM, IF APPLICABLE</th>
</tr>
</thead>
</table>

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