

|                                                                                                                                                                       |                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>IH 90: STH 16 TO IH 90 &amp; IH 94 (MONROE AND LA CROSSE COUNTIES)</b><br><b>CONTINUOUS (24 HOUR) CLOSURE</b><br><b>DIVERSION ROUTE: STH 27 - STH 16 - STH 162</b> | <b>OCTOBER</b>                           |
|                                                                                                                                                                       | Analyzed for 2009<br>Construction Season |

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      WESTBOUND DIRECTION

| TIME OF DAY | FLOWS AND CAPACITY IN VEH/HR |           |                 |           |                |                 | AVERAGE SPEEDS IN MPH |                 |                       |                     |                 |              |                 |                 |              |
|-------------|------------------------------|-----------|-----------------|-----------|----------------|-----------------|-----------------------|-----------------|-----------------------|---------------------|-----------------|--------------|-----------------|-----------------|--------------|
|             | MAIN ROUTE                   |           | ALTERNATE ROUTE |           | SITE CAPA CITY | FLOW MAIN ROUTE | FLOW DIVER -TING      | TOTAL DIVN FLOW | AV.DEL PER VEH (MINS) | AVERAGE QUEUE (VEH) | MAIN ROUTE      |              | ALTERNATE ROUTE |                 |              |
|             | DEMAND FLOW                  | PCT HEAVY | NORMAL FLOW     | PCT HEAVY |                |                 |                       |                 |                       |                     | WITHOUT WORK ZN | WITH WORK ZN | SITE            | WITHOUT WORK ZN | WITH WORK ZN |
| MID-1 AM    | 122                          | 0.0       | 24              | 0.0       | 1500           | 122             | 0                     | 24              | 0.43                  | 0                   | 66.1            | 62.9         | 45.0            | 34.5            | 34.5         |
| 1-2 AM      | 106                          | 0.0       | 21              | 0.0       | 1500           | 106             | 0                     | 21              | 0.43                  | 0                   | 66.2            | 63.0         | 45.1            | 34.5            | 34.5         |
| 2-3 AM      | 102                          | 0.0       | 20              | 0.0       | 1500           | 102             | 0                     | 20              | 0.43                  | 0                   | 66.2            | 63.0         | 45.1            | 34.5            | 34.5         |
| 3-4 AM      | 100                          | 0.0       | 20              | 0.0       | 1500           | 100             | 0                     | 20              | 0.43                  | 0                   | 66.2            | 63.0         | 45.1            | 34.5            | 34.5         |
| 4-5 AM      | 135                          | 0.0       | 26              | 0.0       | 1500           | 135             | 0                     | 26              | 0.44                  | 0                   | 66.1            | 62.9         | 45.0            | 34.5            | 34.5         |
| 5-6 AM      | 222                          | 0.0       | 43              | 0.0       | 1500           | 222             | 0                     | 43              | 0.44                  | 0                   | 66.0            | 62.7         | 44.6            | 34.3            | 34.3         |
| 6-7 AM      | 355                          | 0.0       | 69              | 0.0       | 1500           | 355             | 0                     | 69              | 0.46                  | 0                   | 65.7            | 62.3         | 44.1            | 34.0            | 34.0         |
| 7-8 AM      | 489                          | 0.0       | 95              | 0.0       | 1500           | 489             | 0                     | 95              | 0.47                  | 0                   | 65.5            | 62.0         | 43.5            | 33.7            | 33.7         |
| 8-9 AM      | 575                          | 0.0       | 112             | 0.0       | 1500           | 575             | 0                     | 112             | 0.48                  | 0                   | 65.3            | 61.9         | 43.2            | 33.5            | 33.5         |
| 9-10 AM     | 602                          | 0.0       | 117             | 0.0       | 1500           | 602             | 0                     | 117             | 0.48                  | 0                   | 65.3            | 61.8         | 43.1            | 33.5            | 33.5         |
| 10-11 AM    | 586                          | 0.0       | 114             | 0.0       | 1500           | 586             | 0                     | 114             | 0.48                  | 0                   | 65.3            | 61.9         | 43.2            | 33.5            | 33.5         |
| 11A-NOON    | 607                          | 0.0       | 118             | 0.0       | 1500           | 607             | 0                     | 118             | 0.48                  | 0                   | 65.3            | 61.8         | 43.1            | 33.5            | 33.5         |
| NOON-1PM    | 619                          | 0.0       | 120             | 0.0       | 1500           | 619             | 0                     | 120             | 0.48                  | 0                   | 65.2            | 61.7         | 43.0            | 33.5            | 33.5         |
| 1-2 PM      | 655                          | 0.0       | 128             | 0.0       | 1500           | 655             | 0                     | 128             | 0.49                  | 0                   | 65.1            | 61.7         | 42.9            | 33.3            | 33.3         |
| 2-3 PM      | 729                          | 0.0       | 142             | 0.0       | 1500           | 729             | 0                     | 142             | 0.49                  | 0                   | 65.0            | 61.5         | 42.7            | 33.2            | 33.2         |
| 3-4 PM      | 767                          | 0.0       | 150             | 0.0       | 1500           | 767             | 0                     | 150             | 0.50                  | 0                   | 65.0            | 61.4         | 42.5            | 33.2            | 33.2         |
| 4-5 PM      | 841                          | 0.0       | 164             | 0.0       | 1500           | 841             | 0                     | 164             | 0.50                  | 0                   | 64.8            | 61.2         | 42.2            | 33.0            | 33.0         |
| 5-6 PM      | 690                          | 0.0       | 134             | 0.0       | 1500           | 690             | 0                     | 134             | 0.49                  | 0                   | 65.1            | 61.6         | 42.8            | 33.3            | 33.3         |
| 6-7 PM      | 556                          | 0.0       | 108             | 0.0       | 1500           | 556             | 0                     | 108             | 0.48                  | 0                   | 65.3            | 61.9         | 43.3            | 33.6            | 33.6         |
| 7-8 PM      | 418                          | 0.0       | 82              | 0.0       | 1500           | 418             | 0                     | 82              | 0.46                  | 0                   | 65.6            | 62.2         | 43.8            | 33.9            | 33.9         |
| 8-9 PM      | 328                          | 0.0       | 64              | 0.0       | 1500           | 328             | 0                     | 64              | 0.45                  | 0                   | 65.8            | 62.4         | 44.2            | 34.1            | 34.1         |
| 9-10 PM     | 263                          | 0.0       | 51              | 0.0       | 1500           | 263             | 0                     | 51              | 0.45                  | 0                   | 65.9            | 62.6         | 44.4            | 34.2            | 34.2         |
| 10-11 PM    | 207                          | 0.0       | 40              | 0.0       | 1500           | 207             | 0                     | 40              | 0.44                  | 0                   | 66.0            | 62.7         | 44.6            | 34.3            | 34.3         |
| 11PM-MID    | 161                          | 0.0       | 31              | 0.0       | 1500           | 161             | 0                     | 31              | 0.44                  | 0                   | 66.1            | 62.8         | 44.8            | 34.4            | 34.4         |

| *----- SITE BREAKDOWN DELAYS -----* |      |
|-------------------------------------|------|
| BREAKDOWN DURATION (MINS)           | 0    |
| RANGE OF QUEUE DELAY - MIN          | 0.0  |
| (VEH-H) MAX                         | 0.0  |
| RANGE OF DIVN DELAY - MIN           | 0.0  |
| (VEH-H) MAX                         | 0.0  |
| AV BREAKDOWNS PER DAY               | 0.00 |
| AV QUEUE DELAY/DAY (VEH-H)          | 0.0  |
| AV DIVN DELAY/DAY (VEH-H)           | 0.0  |
| AV TOTAL DELAY/DAY (VEH-H)          | 0.0  |

| *----- SITE ACCIDENT DELAYS -----* |      |
|------------------------------------|------|
| ACCIDENT DURATION (MINS)           | 0    |
| RANGE OF QUEUE DELAY - MIN         | 0.0  |
| (VEH-H) MAX                        | 0.0  |
| RANGE OF DIVN DELAY - MIN          | 0.0  |
| (VEH-H) MAX                        | 0.0  |
| AV ACCIDENTS PER DAY               | 0.00 |
| AV QUEUE DELAY/DAY (VEH-H)         | 0.0  |
| AV DIVN DELAY/DAY (VEH-H)          | 0.0  |
| AV TOTAL DELAY/DAY (VEH-H)         | 0.0  |

| AVERAGE ACCIDENT NUMBERS (PIA/DAY) |        |
|------------------------------------|--------|
| MAIN ROUTE WITHOUT WORKS           | 0.0152 |
| MAIN ROUTE WITH WORKS              | 0.0145 |
| DIVERSION                          | 0.0295 |

PIA: Personal Injury Accidents

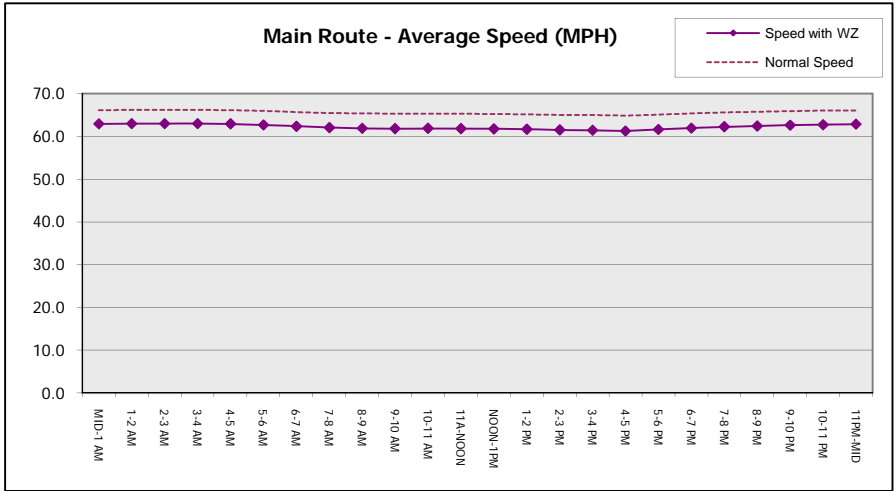
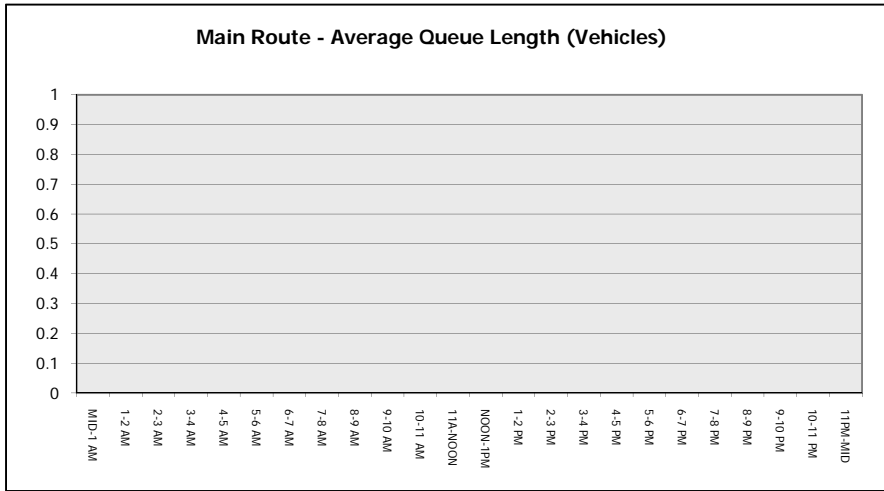
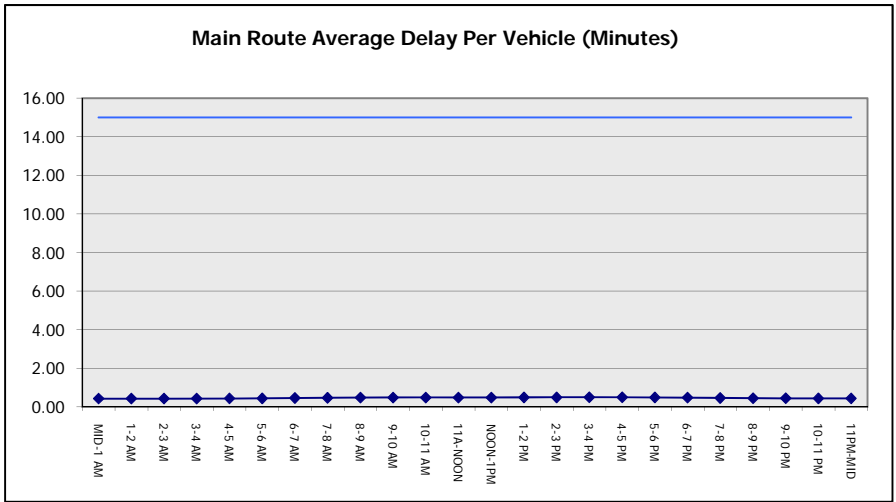
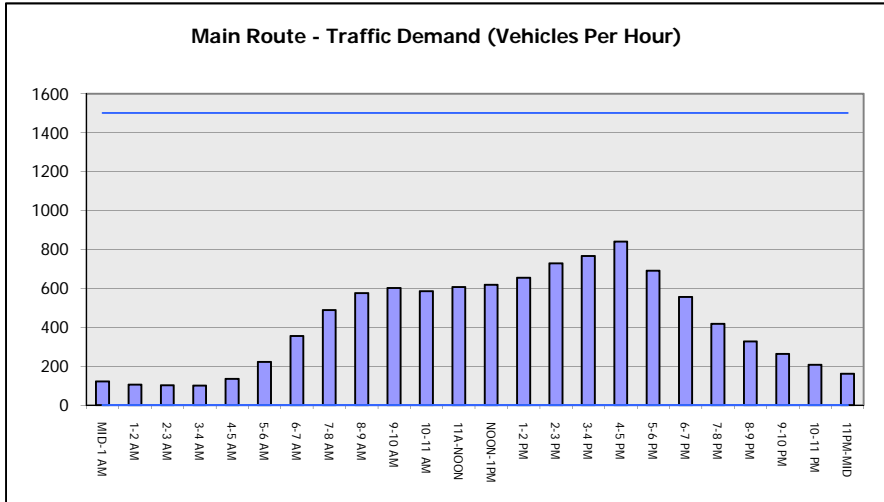
| IMPACTS ON ROAD USERS              |       |
|------------------------------------|-------|
| ROAD USER COSTS PER DAY ( DOLLARS) | \$973 |
| CONGESTED HOURS PER DAY*           | 0     |

\*Delays Exceeding 15 Minutes

**IH 90: STH 16 TO IH 90 & IH 94 (MONROE AND LA CROSSE COUNTIES)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: STH 27 - STH 16 - STH 162**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



|                                                                                                                                                                       |                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>IH 90: STH 16 TO IH 90 &amp; IH 94 (MONROE AND LA CROSSE COUNTIES)</b><br><b>CONTINUOUS (24 HOUR) CLOSURE</b><br><b>DIVERSION ROUTE: STH 27 - STH 16 - STH 162</b> | <b>OCTOBER</b>                           |
|                                                                                                                                                                       | Analyzed for 2009<br>Construction Season |

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      EASTBOUND DIRECTION

| TIME OF DAY | FLOWS AND CAPACITY IN VEH/HR |           |             |           |                |                 |                  |                 | AVERAGE SPEEDS IN MPH |                     |                 |              |      |                 |              |
|-------------|------------------------------|-----------|-------------|-----------|----------------|-----------------|------------------|-----------------|-----------------------|---------------------|-----------------|--------------|------|-----------------|--------------|
|             | MAIN                         |           | DIVERSION   |           | SITE CAPA CITY | FLOW MAIN ROUTE | FLOW DIVER -TING | TOTAL DIVN FLOW | AV.DEL PER VEH (MINS) | AVERAGE QUEUE (VEH) | MAIN ROUTE      |              | SITE | ALTERNATE ROUTE |              |
|             | DEMAND FLOW                  | PCT HEAVY | NORMAL FLOW | PCT HEAVY |                |                 |                  |                 |                       |                     | WITHOUT WORK ZN | WITH WORK ZN |      | WITHOUT WORK ZN | WITH WORK ZN |
| MID-1 AM    | 99                           | 0.0       | 19          | 0.0       | 1500           | 99              | 0                | 19              | 0.43                  | 0                   | 66.2            | 63.0         | 45.1 | 34.6            | 34.6         |
| 1-2 AM      | 87                           | 0.0       | 17          | 0.0       | 1500           | 87              | 0                | 17              | 0.43                  | 0                   | 66.2            | 63.0         | 45.1 | 34.6            | 34.6         |
| 2-3 AM      | 96                           | 0.0       | 19          | 0.0       | 1500           | 96              | 0                | 19              | 0.43                  | 0                   | 66.2            | 63.0         | 45.1 | 34.6            | 34.6         |
| 3-4 AM      | 128                          | 0.0       | 25          | 0.0       | 1500           | 128             | 0                | 25              | 0.43                  | 0                   | 66.1            | 62.9         | 45.0 | 34.5            | 34.5         |
| 4-5 AM      | 172                          | 0.0       | 33          | 0.0       | 1500           | 172             | 0                | 33              | 0.44                  | 0                   | 66.1            | 62.8         | 44.8 | 34.4            | 34.4         |
| 5-6 AM      | 267                          | 0.0       | 52          | 0.0       | 1500           | 267             | 0                | 52              | 0.45                  | 0                   | 65.9            | 62.6         | 44.4 | 34.2            | 34.2         |
| 6-7 AM      | 449                          | 0.0       | 88          | 0.0       | 1500           | 449             | 0                | 88              | 0.47                  | 0                   | 65.6            | 62.2         | 43.7 | 33.8            | 33.8         |
| 7-8 AM      | 577                          | 0.0       | 113         | 0.0       | 1500           | 577             | 0                | 113             | 0.48                  | 0                   | 65.3            | 61.9         | 43.2 | 33.5            | 33.5         |
| 8-9 AM      | 515                          | 0.0       | 100         | 0.0       | 1500           | 515             | 0                | 100             | 0.47                  | 0                   | 65.5            | 62.0         | 43.5 | 33.7            | 33.7         |
| 9-10 AM     | 552                          | 0.0       | 108         | 0.0       | 1500           | 552             | 0                | 108             | 0.48                  | 0                   | 65.3            | 61.9         | 43.3 | 33.6            | 33.6         |
| 10-11 AM    | 578                          | 0.0       | 113         | 0.0       | 1500           | 578             | 0                | 113             | 0.48                  | 0                   | 65.3            | 61.9         | 43.2 | 33.5            | 33.5         |
| 11A-NOON    | 578                          | 0.0       | 113         | 0.0       | 1500           | 578             | 0                | 113             | 0.48                  | 0                   | 65.3            | 61.9         | 43.2 | 33.5            | 33.5         |
| NOON-1PM    | 608                          | 0.0       | 118         | 0.0       | 1500           | 608             | 0                | 118             | 0.48                  | 0                   | 65.3            | 61.8         | 43.1 | 33.5            | 33.5         |
| 1-2 PM      | 675                          | 0.0       | 132         | 0.0       | 1500           | 675             | 0                | 132             | 0.49                  | 0                   | 65.1            | 61.6         | 42.8 | 33.3            | 33.3         |
| 2-3 PM      | 727                          | 0.0       | 141         | 0.0       | 1500           | 727             | 0                | 141             | 0.49                  | 0                   | 65.0            | 61.5         | 42.7 | 33.2            | 33.2         |
| 3-4 PM      | 738                          | 0.0       | 143         | 0.0       | 1500           | 738             | 0                | 143             | 0.49                  | 0                   | 65.0            | 61.5         | 42.6 | 33.2            | 33.2         |
| 4-5 PM      | 763                          | 0.0       | 149         | 0.0       | 1500           | 763             | 0                | 149             | 0.50                  | 0                   | 65.0            | 61.4         | 42.5 | 33.2            | 33.2         |
| 5-6 PM      | 672                          | 0.0       | 131         | 0.0       | 1500           | 672             | 0                | 131             | 0.49                  | 0                   | 65.1            | 61.6         | 42.8 | 33.3            | 33.3         |
| 6-7 PM      | 519                          | 0.0       | 101         | 0.0       | 1500           | 519             | 0                | 101             | 0.47                  | 0                   | 65.4            | 62.0         | 43.4 | 33.7            | 33.7         |
| 7-8 PM      | 402                          | 0.0       | 78          | 0.0       | 1500           | 402             | 0                | 78              | 0.46                  | 0                   | 65.6            | 62.3         | 43.9 | 33.9            | 33.9         |
| 8-9 PM      | 329                          | 0.0       | 64          | 0.0       | 1500           | 329             | 0                | 64              | 0.45                  | 0                   | 65.8            | 62.4         | 44.2 | 34.1            | 34.1         |
| 9-10 PM     | 280                          | 0.0       | 54          | 0.0       | 1500           | 280             | 0                | 54              | 0.45                  | 0                   | 65.9            | 62.5         | 44.3 | 34.2            | 34.2         |
| 10-11 PM    | 209                          | 0.0       | 41          | 0.0       | 1500           | 209             | 0                | 41              | 0.44                  | 0                   | 66.0            | 62.7         | 44.6 | 34.3            | 34.3         |
| 11PM-MID    | 160                          | 0.0       | 31          | 0.0       | 1500           | 160             | 0                | 31              | 0.44                  | 0                   | 66.1            | 62.8         | 44.8 | 34.4            | 34.4         |

| *----- SITE BREAKDOWN DELAYS -----* |      |
|-------------------------------------|------|
| BREAKDOWN DURATION (MINS)           | 0    |
| RANGE OF QUEUE DELAY - MIN          | 0.0  |
| (VEH-H) MAX                         | 0.0  |
| RANGE OF DIVN DELAY - MIN           | 0.0  |
| (VEH-H) MAX                         | 0.0  |
| AV BREAKDOWNS PER DAY               | 0.00 |
| AV QUEUE DELAY/DAY (VEH-H)          | 0.0  |
| AV DIVN DELAY/DAY (VEH-H)           | 0.0  |
| AV TOTAL DELAY/DAY (VEH-H)          | 0.0  |

| *----- SITE ACCIDENT DELAYS -----* |      |
|------------------------------------|------|
| ACCIDENT DURATION (MINS)           | 0    |
| RANGE OF QUEUE DELAY - MIN         | 0.0  |
| (VEH-H) MAX                        | 0.0  |
| RANGE OF DIVN DELAY - MIN          | 0.0  |
| (VEH-H) MAX                        | 0.0  |
| AV ACCIDENTS PER DAY               | 0.00 |
| AV QUEUE DELAY/DAY (VEH-H)         | 0.0  |
| AV DIVN DELAY/DAY (VEH-H)          | 0.0  |
| AV TOTAL DELAY/DAY (VEH-H)         | 0.0  |

| AVERAGE ACCIDENT NUMBERS (PIA/DAY) |        |
|------------------------------------|--------|
| MAIN ROUTE WITHOUT WORKS           | 0.0151 |
| MAIN ROUTE WITH WORKS              | 0.0144 |
| DIVERSION                          | 0.0294 |

PIA: Personal Injury Accidents

| IMPACTS ON ROAD USERS              |       |
|------------------------------------|-------|
| ROAD USER COSTS PER DAY ( DOLLARS) | \$965 |
| CONGESTED HOURS PER DAY*           | 0     |

\*Delays Exceeding 15 Minutes

**IH 90: STH 16 TO IH 90 & IH 94 (MONROE AND LA CROSSE COUNTIES)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 27 - STH 16 - STH 162**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

