

|   |  |
|---|--|
| <b>IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)</b><br><b>OFF-PEAK DAY 2 LANE CLOSURE</b><br><b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b> | <b>MAY</b>                               |
|   | Analyzed for 2009<br>Construction Season |

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY WESTBOUND DIRECTION

| TIME OF DAY | FLOWS AND CAPACITY IN VEH/HR |           |                |            |             |                       | AVERAGE SPEEDS IN MPH |                   |                |      |
|-------------|------------------------------|-----------|----------------|------------|-------------|-----------------------|-----------------------|-------------------|----------------|------|
|             | MAIN ROUTE                   |           | SITE CAPA CITY | FLOW       |             | AV.DEL PER VEH (MINS) | AVERAGE QUEUE (VEH)   | MAIN ROUTE        |                | SITE |
|             | DEMAND FLOW                  | PCT HEAVY |                | MAIN ROUTE | 'DIVER TED' |                       |                       | WITHOUT WORK ZONE | WITH WORK ZONE |      |
| MID-1 AM    | 698                          | 0.0       | OFF            | 698        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 1-2 AM      | 417                          | 0.0       | OFF            | 417        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 2-3 AM      | 295                          | 0.0       | OFF            | 295        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 3-4 AM      | 232                          | 0.0       | OFF            | 232        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 4-5 AM      | 236                          | 0.0       | OFF            | 236        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 5-6 AM      | 346                          | 0.0       | OFF            | 346        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 6-7 AM      | 608                          | 0.0       | OFF            | 608        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 7-8 AM      | 915                          | 0.0       | OFF            | 915        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 8-9 AM      | 1422                         | 0.0       | OFF            | 1422       | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 9-10 AM     | 1825                         | 0.0       | 1499           | 1825       | 0           | 5.18                  | 128                   | 69.7              | 44.2           | 32.5 |
| 10-11 AM    | 2527                         | 0.0       | 1499           | 1500       | 1027        | 16.12+                | 399                   | 68.9              | 24.8           | 33.2 |
| 11AM-NOON   | 2987                         | 0.0       | 1500           | 1500       | 1487        | 16.04+                | 400                   | 68.3              | 24.8           | 33.2 |
| NOON-1PM    | 3047                         | 0.0       | 1500           | 1500       | 1547        | 16.03+                | 400                   | 68.2              | 24.8           | 33.2 |
| 1-2 PM      | 2956                         | 0.0       | 1500           | 1500       | 1456        | 16.05+                | 400                   | 68.4              | 24.8           | 33.2 |
| 2-3 PM      | 2609                         | 0.0       | 1500           | 1500       | 1109        | 16.10+                | 400                   | 68.8              | 24.8           | 33.2 |
| 3-4 PM      | 3033                         | 0.0       | 1500           | 1500       | 1533        | 16.03+                | 400                   | 68.2              | 24.8           | 33.2 |
| 4-5 PM      | 2932                         | 0.0       | 1500           | 1500       | 1432        | 16.05+                | 400                   | 68.4              | 24.8           | 33.2 |
| 5-6 PM      | 2872                         | 0.0       | 1500           | 1500       | 1372        | 16.06+                | 400                   | 68.5              | 24.8           | 33.2 |
| 6-7 PM      | 2735                         | 0.0       | 1500           | 1500       | 1235        | 16.08+                | 400                   | 68.6              | 24.8           | 33.2 |
| 7-8 PM      | 2477                         | 0.0       | OFF            | 2477       | 0           | 0.20                  | 15                    | 68.9              | 67.4           | 67.4 |
| 8-9 PM      | 2036                         | 0.0       | OFF            | 2036       | 0           | 0.00                  | 0                     | 69.5              | 69.5           | 69.5 |
| 9-10 PM     | 1630                         | 0.0       | OFF            | 1630       | 0           | 0.00                  | 0                     | 70.0              | 70.0           | 70.0 |
| 10-11 PM    | 1231                         | 0.0       | OFF            | 1231       | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 11PM-MID    | 801                          | 0.0       | OFF            | 801        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

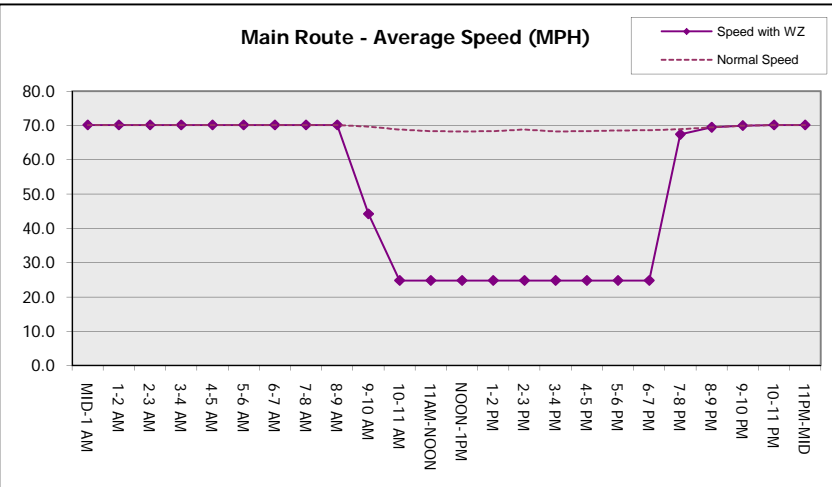
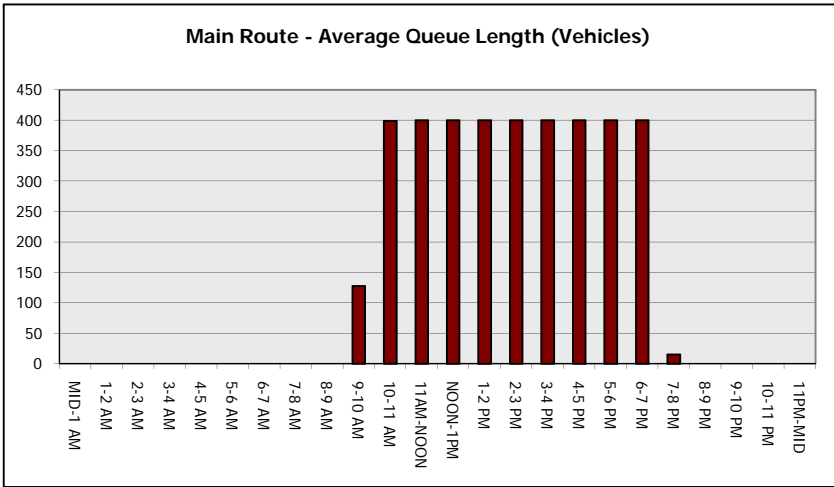
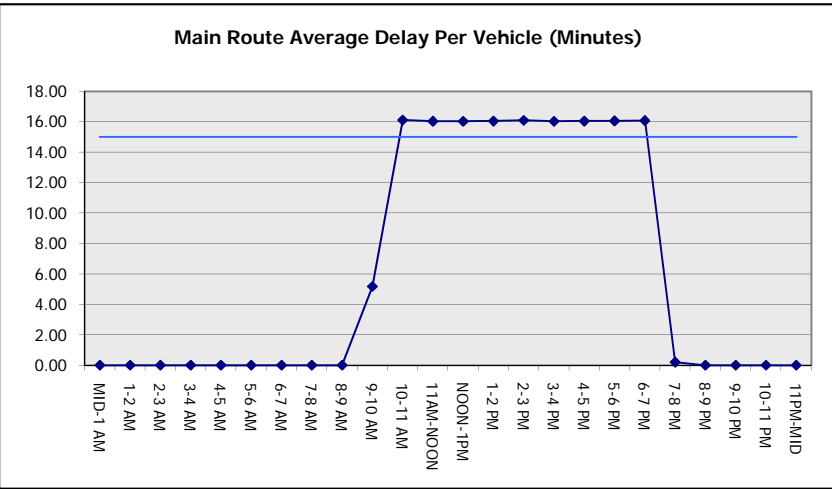
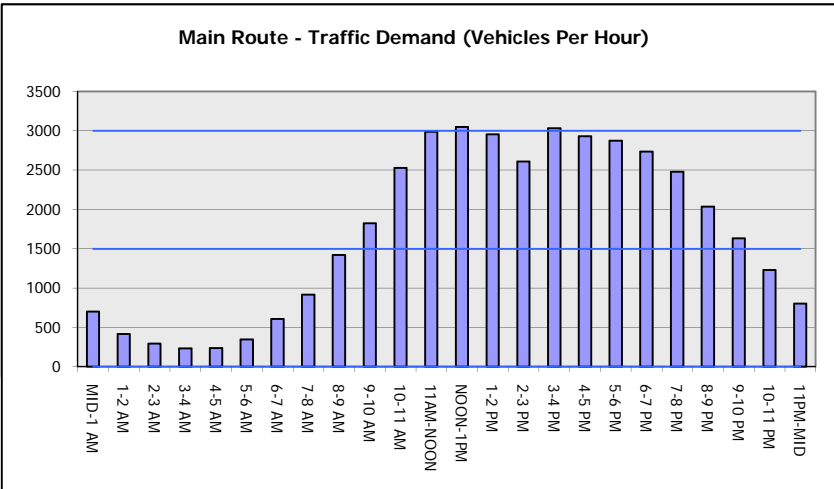
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) |           |
|------------------------------------|-----------|
| MAIN ROUTE WITHOUT WORKS           | 0.0676    |
| MAIN ROUTE WITH WORKS              | 0.0464    |
| 'DIVERSION'                        | 0.0468    |
| PIA: Personal Injury Accidents     |           |
| IMPACTS ON ROAD USERS              |           |
| ROAD USER COSTS PER DAY            | \$116,375 |
| CONGESTED HOURS PER DAY*           | 9         |

\*Delays Exceeding User-Specified Maximum

**IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)**  
**OFF-PEAK DAY 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



|   |  |
|---|--|
| <b>IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)</b><br><b>OFF-PEAK DAY 2 LANE CLOSURE</b><br><b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b> | <b>MAY</b>                               |
|   | Analyzed for 2009<br>Construction Season |

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY EASTBOUND DIRECTION

| TIME OF DAY | FLOWS AND CAPACITY IN VEH/HR |           |                |            |             |                       |                     | AVERAGE SPEEDS IN MPH |                |      |
|-------------|------------------------------|-----------|----------------|------------|-------------|-----------------------|---------------------|-----------------------|----------------|------|
|             | MAIN ROUTE                   |           | SITE CAPA CITY | FLOW       |             | AV.DEL PER VEH (MINS) | AVERAGE QUEUE (VEH) | MAIN ROUTE            |                | SITE |
|             | DEMAND FLOW                  | PCT HEAVY |                | MAIN ROUTE | 'DIVER TED' |                       |                     | WITHOUT WORK ZONE     | WITH WORK ZONE |      |
| MID-1 AM    | 614                          | 0.0       | OFF            | 614        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 1-2 AM      | 421                          | 0.0       | OFF            | 421        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 2-3 AM      | 392                          | 0.0       | OFF            | 392        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 3-4 AM      | 276                          | 0.0       | OFF            | 276        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 4-5 AM      | 233                          | 0.0       | OFF            | 233        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 5-6 AM      | 353                          | 0.0       | OFF            | 353        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 6-7 AM      | 575                          | 0.0       | OFF            | 575        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 7-8 AM      | 917                          | 0.0       | OFF            | 917        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 8-9 AM      | 1354                         | 0.0       | OFF            | 1354       | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 9-10 AM     | 2107                         | 0.0       | 1499           | 1969       | 138         | 8.66+                 | 236                 | 69.4                  | 35.3           | 32.5 |
| 10-11 AM    | 2730                         | 0.0       | 1500           | 1500       | 1230        | 16.12+                | 400                 | 68.6                  | 24.7           | 32.4 |
| 11AM-NOON   | 3207                         | 0.0       | 1500           | 1500       | 1707        | 16.04+                | 400                 | 68.1                  | 24.7           | 32.5 |
| NOON-1PM    | 3424                         | 0.0       | 1500           | 1500       | 1924        | 16.01+                | 400                 | 67.8                  | 24.7           | 32.5 |
| 1-2 PM      | 3549                         | 0.0       | 1500           | 1500       | 2049        | 15.99+                | 400                 | 67.6                  | 24.7           | 32.5 |
| 2-3 PM      | 3636                         | 0.0       | 1500           | 1500       | 2136        | 15.94+                | 400                 | 67.3                  | 24.7           | 32.5 |
| 3-4 PM      | 3598                         | 0.0       | 1500           | 1500       | 2098        | 15.98+                | 400                 | 67.6                  | 24.7           | 32.5 |
| 4-5 PM      | 3751                         | 0.0       | 1500           | 1500       | 2251        | 15.83+                | 400                 | 66.5                  | 24.7           | 32.5 |
| 5-6 PM      | 3409                         | 0.0       | 1500           | 1500       | 1909        | 16.01+                | 400                 | 67.8                  | 24.7           | 32.5 |
| 6-7 PM      | 2753                         | 0.0       | 1500           | 1500       | 1253        | 16.12+                | 400                 | 68.6                  | 24.7           | 32.5 |
| 7-8 PM      | 2276                         | 0.0       | OFF            | 2276       | 0           | 0.37                  | 29                  | 69.2                  | 66.4           | 66.4 |
| 8-9 PM      | 2040                         | 0.0       | OFF            | 2040       | 0           | 0.00                  | 0                   | 69.5                  | 69.5           | 69.5 |
| 9-10 PM     | 1517                         | 0.0       | OFF            | 1517       | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 10-11 PM    | 1063                         | 0.0       | OFF            | 1063       | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 11PM-MID    | 722                          | 0.0       | OFF            | 722        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

| AVERAGE ACCIDENT NUMBERS (PIA/DAY) |        |
|------------------------------------|--------|
| MAIN ROUTE WITHOUT WORKS           | 0.0744 |
| MAIN ROUTE WITH WORKS              | 0.0457 |
| 'DIVERSION'                        | 0.0640 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS |           |
|-------------------------------|-----------|
| ROAD USER COSTS PER DAY       | \$137,638 |
| CONGESTED HOURS PER DAY*      | 10        |

\*Delays Exceeding User-Specified Maximum

**IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)**  
**OFF-PEAK DAY 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

