

|   |  |
|---|--|
| <b>IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (MILWAUKEE COUNTY)</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**

SATURDAY 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    | 859                          | 0.0       | OFF            | 859        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 1-2 AM      | 544                          | 0.0       | OFF            | 544        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 2-3 AM      | 446                          | 0.0       | OFF            | 446        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 3-4 AM      | 373                          | 0.0       | OFF            | 373        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 4-5 AM      | 443                          | 0.0       | OFF            | 443        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 5-6 AM      | 806                          | 0.0       | OFF            | 806        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 6-7 AM      | 1294                         | 0.0       | OFF            | 1294       | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 7-8 AM      | 1746                         | 0.0       | OFF            | 1746       | 0           | 0.00                  | 0                     | 69.9              | 69.9           | 69.9 |  |
| 8-9 AM      | 2176                         | 0.0       | 1499           | 1839       | 338         | 10.53+                | 284                   | 69.3              | 13.7           | 32.5 |  |
| 9-10 AM     | 1737                         | 0.0       | 1500           | 1571       | 165         | 15.97+                | 391                   | 69.9              | 9.7            | 32.4 |  |
| 10-11 AM    | 2255                         | 0.0       | 1500           | 1500       | 755         | 16.27+                | 400                   | 69.2              | 9.6            | 32.5 |  |
| 11AM-NOON   | 3091                         | 0.0       | 1500           | 1500       | 1591        | 16.23+                | 400                   | 68.2              | 9.6            | 32.5 |  |
| NOON-1PM    | 3111                         | 0.0       | 1500           | 1500       | 1611        | 16.23+                | 400                   | 68.2              | 9.6            | 32.5 |  |
| 1-2 PM      | 3010                         | 0.0       | 1500           | 1500       | 1510        | 16.23+                | 400                   | 68.3              | 9.6            | 32.5 |  |
| 2-3 PM      | 3299                         | 0.0       | 1500           | 1500       | 1799        | 16.22+                | 400                   | 67.9              | 9.6            | 32.5 |  |
| 3-4 PM      | 3326                         | 0.0       | 1500           | 1500       | 1826        | 16.22+                | 400                   | 67.9              | 9.6            | 32.5 |  |
| 4-5 PM      | 3241                         | 0.0       | 1500           | 1500       | 1741        | 16.22+                | 400                   | 68.0              | 9.6            | 32.5 |  |
| 5-6 PM      | 3021                         | 0.0       | 1500           | 1500       | 1521        | 16.23+                | 400                   | 68.3              | 9.6            | 32.5 |  |
| 6-7 PM      | 2690                         | 0.0       | OFF            | 2690       | 0           | 0.27                  | 25                    | 68.7              | 62.2           | 62.2 |  |
| 7-8 PM      | 1690                         | 0.0       | OFF            | 1690       | 0           | 0.00                  | 0                     | 69.9              | 69.9           | 69.9 |  |
| 8-9 PM      | 1565                         | 0.0       | OFF            | 1565       | 0           | 0.00                  | 0                     | 70.1              | 70.1           | 70.1 |  |
| 9-10 PM     | 1822                         | 0.0       | OFF            | 1822       | 0           | 0.00                  | 0                     | 69.8              | 69.8           | 69.8 |  |
| 10-11 PM    | 1529                         | 0.0       | OFF            | 1529       | 0           | 0.00                  | 0                     | 70.1              | 70.1           | 70.1 |  |
| 11PM-MID    | 1120                         | 0.0       | OFF            | 1120       | 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 |

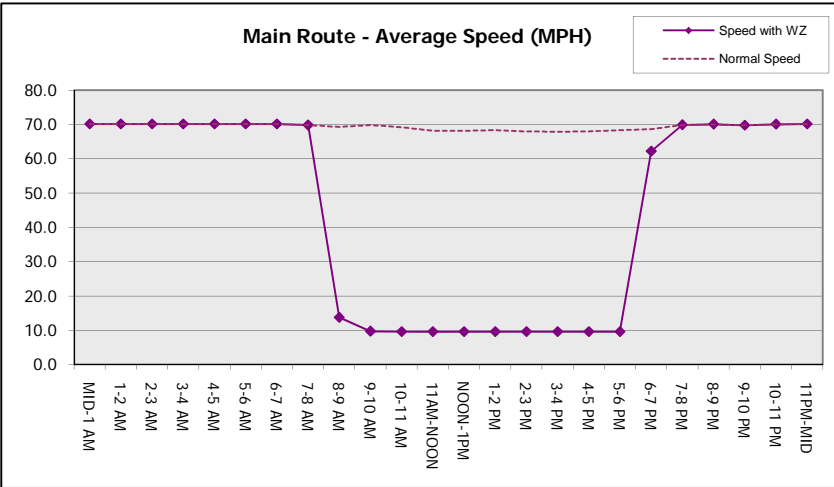
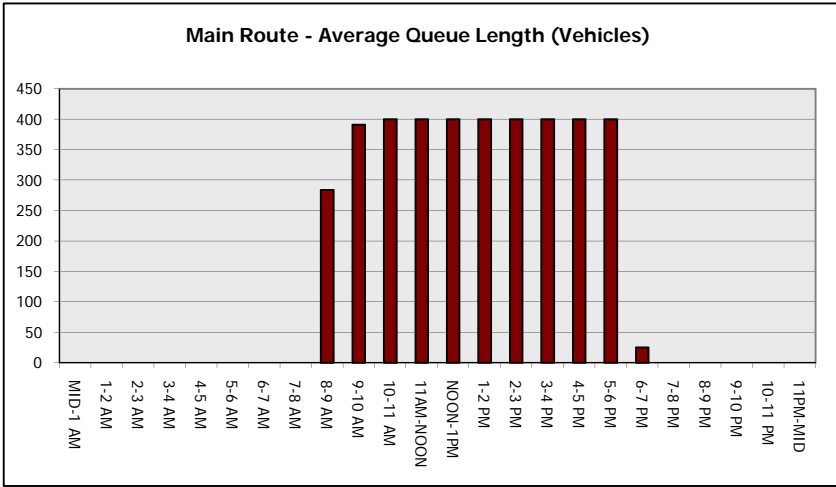
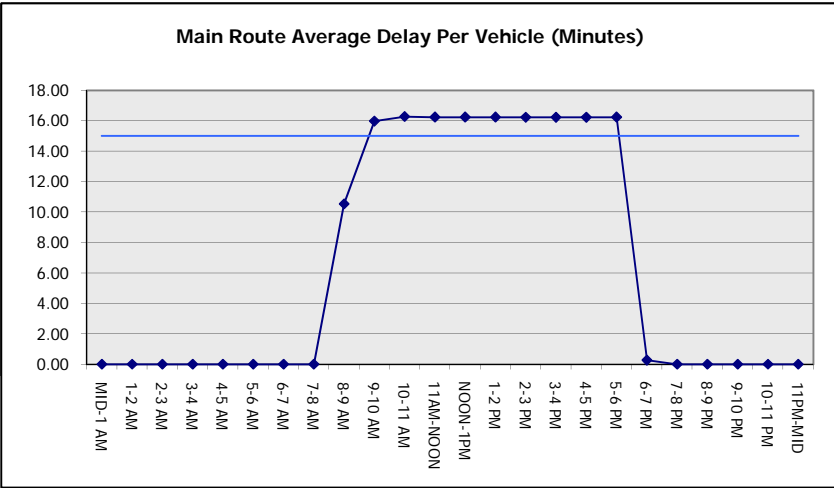
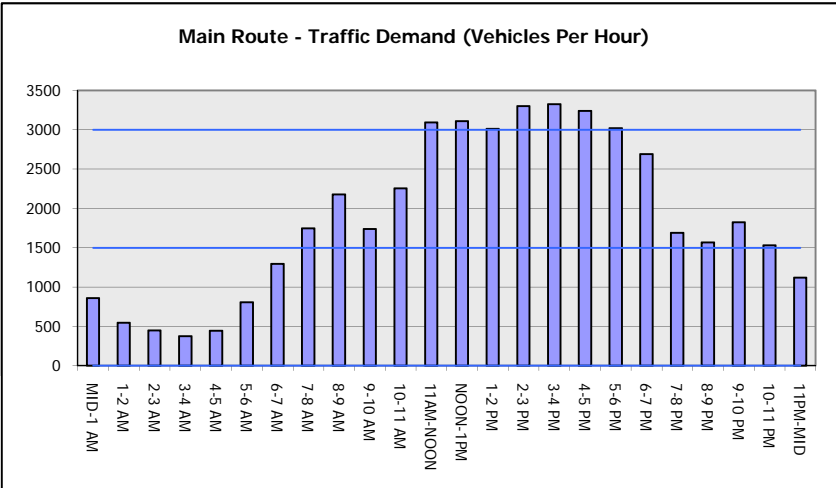
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) |           |
|------------------------------------|-----------|
| MAIN ROUTE WITHOUT WORKS           | 0.0216    |
| MAIN ROUTE WITH WORKS              | 0.0144    |
| 'DIVERSION'                        | 0.0142    |
| PIA: Personal Injury Accidents     |           |
| IMPACTS ON ROAD USERS              |           |
| ROAD USER COSTS PER DAY            | \$122,848 |
| CONGESTED HOURS PER DAY*           | 10        |

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH BB/RAWSON AVE TO STH 100/RYAN RD (MILWAUKEE COUNTY)**  
**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**  
**SATURDAY WESTBOUND DIRECTION**



|   |  |
|---|--|
| <b>IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (MILWAUKEE COUNTY)</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**

SATURDAY 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    | 811                          | 0.0       | OFF            | 811        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 1-2 AM      | 578                          | 0.0       | OFF            | 578        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 2-3 AM      | 558                          | 0.0       | OFF            | 558        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 3-4 AM      | 454                          | 0.0       | OFF            | 454        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 4-5 AM      | 637                          | 0.0       | OFF            | 637        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 5-6 AM      | 1178                         | 0.0       | OFF            | 1178       | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 6-7 AM      | 1323                         | 0.0       | OFF            | 1323       | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |
| 7-8 AM      | 1571                         | 0.0       | OFF            | 1571       | 0           | 0.00                  | 0                     | 70.1              | 70.1           | 70.1 |
| 8-9 AM      | 2057                         | 0.0       | 1499           | 1929       | 128         | 9.06+                 | 252                   | 69.5              | 15.5           | 32.5 |
| 9-10 AM     | 1746                         | 0.0       | 1500           | 1487       | 259         | 16.24+                | 398                   | 69.9              | 9.6            | 32.5 |
| 10-11 AM    | 2338                         | 0.0       | 1500           | 1500       | 838         | 16.27+                | 400                   | 69.1              | 9.6            | 32.5 |
| 11AM-NOON   | 3140                         | 0.0       | 1500           | 1500       | 1640        | 16.23+                | 400                   | 68.1              | 9.6            | 32.5 |
| NOON-1PM    | 3306                         | 0.0       | 1500           | 1500       | 1806        | 16.22+                | 400                   | 67.9              | 9.6            | 32.5 |
| 1-2 PM      | 3205                         | 0.0       | 1500           | 1500       | 1705        | 16.22+                | 400                   | 68.1              | 9.6            | 32.5 |
| 2-3 PM      | 3262                         | 0.0       | 1500           | 1500       | 1762        | 16.22+                | 400                   | 68.0              | 9.6            | 32.5 |
| 3-4 PM      | 3155                         | 0.0       | 1500           | 1500       | 1655        | 16.23+                | 400                   | 68.1              | 9.6            | 32.5 |
| 4-5 PM      | 3019                         | 0.0       | 1500           | 1500       | 1519        | 16.23+                | 400                   | 68.3              | 9.6            | 32.5 |
| 5-6 PM      | 2847                         | 0.0       | 1500           | 1500       | 1347        | 16.24+                | 400                   | 68.5              | 9.6            | 32.5 |
| 6-7 PM      | 2437                         | 0.0       | OFF            | 2437       | 0           | 0.26                  | 24                    | 69.0              | 62.7           | 62.7 |
| 7-8 PM      | 1604                         | 0.0       | OFF            | 1604       | 0           | 0.00                  | 0                     | 70.0              | 70.0           | 70.0 |
| 8-9 PM      | 1582                         | 0.0       | OFF            | 1582       | 0           | 0.00                  | 0                     | 70.0              | 70.0           | 70.0 |
| 9-10 PM     | 2035                         | 0.0       | OFF            | 2035       | 0           | 0.00                  | 0                     | 69.5              | 69.5           | 69.5 |
| 10-11 PM    | 1594                         | 0.0       | OFF            | 1594       | 0           | 0.00                  | 0                     | 70.0              | 70.0           | 70.0 |
| 11PM-MID    | 1203                         | 0.0       | OFF            | 1203       | 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           | 0.0218 |
| MAIN ROUTE WITH WORKS              | 0.0147 |
| 'DIVERSION'                        | 0.0140 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS |           |
|-------------------------------|-----------|
| ROAD USER COSTS PER DAY       | \$121,458 |
| CONGESTED HOURS PER DAY*      | 10        |

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH BB/RAWSON AVE TO STH 100/RYAN RD (MILWAUKEE COUNTY)**  
**OFF-PEAK DAY 2 LANE CLOSURE**  
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**MAY**  
 Analyzed for 2009  
 Construction Season

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

