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| <b>IH 94: CTH O TO STH 100 (WAUKESHA 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    | 1038                         | 0.0       | OFF            | 1038       | 0           | 0.00                  | 0                     | 69.4              | 69.4           | 69.4 |  |
| 1-2 AM      | 572                          | 0.0       | OFF            | 572        | 0           | 0.00                  | 0                     | 70.0              | 70.0           | 70.0 |  |
| 2-3 AM      | 588                          | 0.0       | OFF            | 588        | 0           | 0.00                  | 0                     | 70.0              | 70.0           | 70.0 |  |
| 3-4 AM      | 421                          | 0.0       | OFF            | 421        | 0           | 0.00                  | 0                     | 70.2              | 70.2           | 70.2 |  |
| 4-5 AM      | 477                          | 0.0       | OFF            | 477        | 0           | 0.00                  | 0                     | 70.1              | 70.1           | 70.1 |  |
| 5-6 AM      | 853                          | 0.0       | OFF            | 853        | 0           | 0.00                  | 0                     | 69.7              | 69.7           | 69.7 |  |
| 6-7 AM      | 1689                         | 0.0       | OFF            | 1689       | 0           | 0.00                  | 0                     | 68.6              | 68.6           | 68.6 |  |
| 7-8 AM      | 2673                         | 0.0       | OFF            | 2673       | 0           | 0.00                  | 0                     | 67.4              | 67.4           | 67.4 |  |
| 8-9 AM      | 3331                         | 0.0       | 1499           | 1550       | 1781        | 16.48+                | 412                   | 66.6              | 9.6            | 36.6 |  |
| 9-10 AM     | 2615                         | 0.0       | 1499           | 1698       | 916         | 13.63+                | 356                   | 67.5              | 11.4           | 35.3 |  |
| 10-11 AM    | 2907                         | 0.0       | 1499           | 1607       | 1300        | 15.94+                | 391                   | 67.1              | 9.9            | 30.8 |  |
| 11AM-NOON   | 4375                         | 0.0       | 1500           | 1500       | 2875        | 16.03+                | 400                   | 61.0              | 9.7            | 30.8 |  |
| NOON-1PM    | 4418                         | 0.0       | 1500           | 1500       | 2918        | 16.01+                | 400                   | 60.7              | 9.7            | 30.8 |  |
| 1-2 PM      | 3366                         | 0.0       | 1500           | 1500       | 1866        | 16.28+                | 400                   | 66.6              | 9.7            | 30.8 |  |
| 2-3 PM      | 1980                         | 0.0       | 1500           | 1500       | 480         | 16.35+                | 400                   | 68.2              | 9.7            | 30.8 |  |
| 3-4 PM      | 2817                         | 0.0       | 1500           | 1500       | 1317        | 16.31+                | 400                   | 67.3              | 9.7            | 30.8 |  |
| 4-5 PM      | 4391                         | 0.0       | 1500           | 1500       | 2891        | 16.02+                | 400                   | 60.9              | 9.7            | 30.8 |  |
| 5-6 PM      | 3709                         | 0.0       | 1500           | 1500       | 2209        | 16.24+                | 400                   | 65.5              | 9.7            | 30.8 |  |
| 6-7 PM      | 2977                         | 0.0       | OFF            | 2977       | 0           | 0.23                  | 20                    | 67.0              | 62.0           | 62.0 |  |
| 7-8 PM      | 1679                         | 0.0       | OFF            | 1679       | 0           | 0.00                  | 0                     | 68.6              | 68.6           | 68.6 |  |
| 8-9 PM      | 1410                         | 0.0       | OFF            | 1410       | 0           | 0.00                  | 0                     | 69.0              | 69.0           | 69.0 |  |
| 9-10 PM     | 3114                         | 0.0       | OFF            | 3114       | 0           | 0.00                  | 0                     | 66.9              | 66.9           | 66.9 |  |
| 10-11 PM    | 2285                         | 0.0       | OFF            | 2285       | 0           | 0.00                  | 0                     | 67.9              | 67.9           | 67.9 |  |
| 11PM-MID    | 1560                         | 0.0       | OFF            | 1560       | 0           | 0.00                  | 0                     | 68.8              | 68.8           | 68.8 |  |

"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           | 0.0273    |
| MAIN ROUTE WITH WORKS              | 0.0171    |
| 'DIVERSION'                        | 0.0212    |
| PIA: Personal Injury Accidents     |           |
| IMPACTS ON ROAD USERS              |           |
| ROAD USER COSTS PER DAY            | \$147,923 |
| CONGESTED HOURS PER DAY*           | 10        |

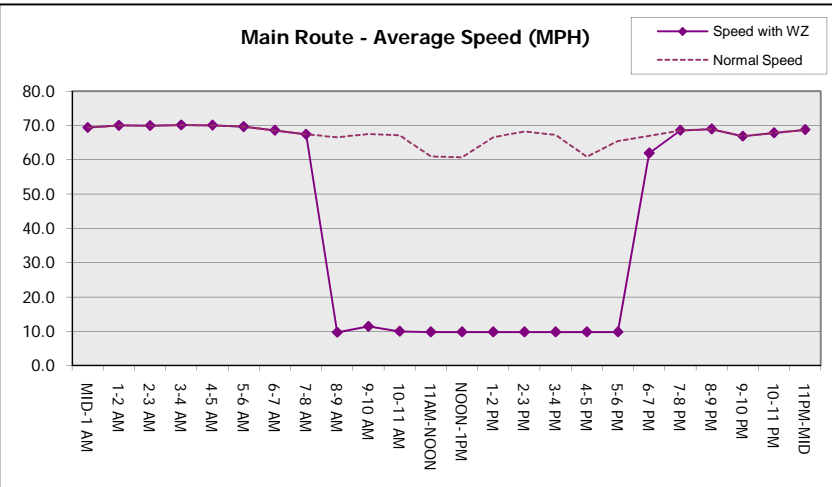
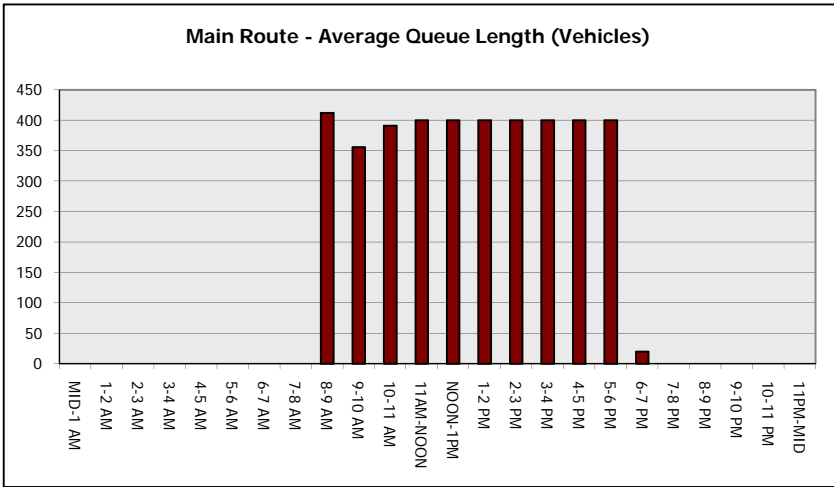
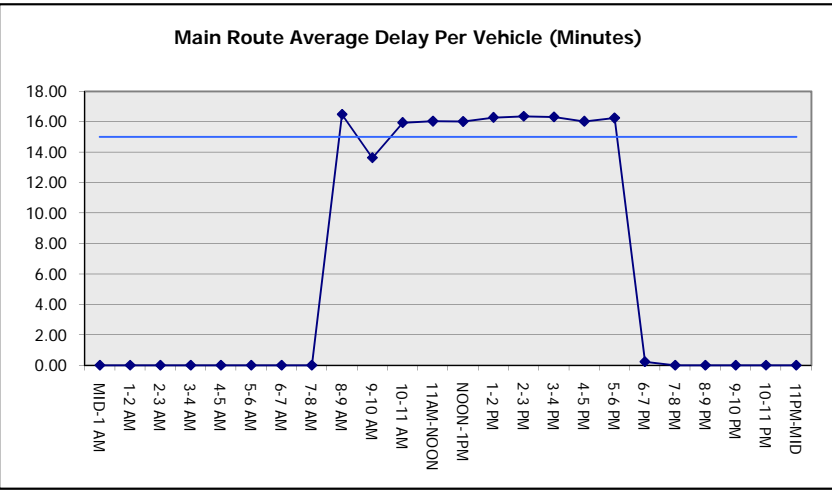
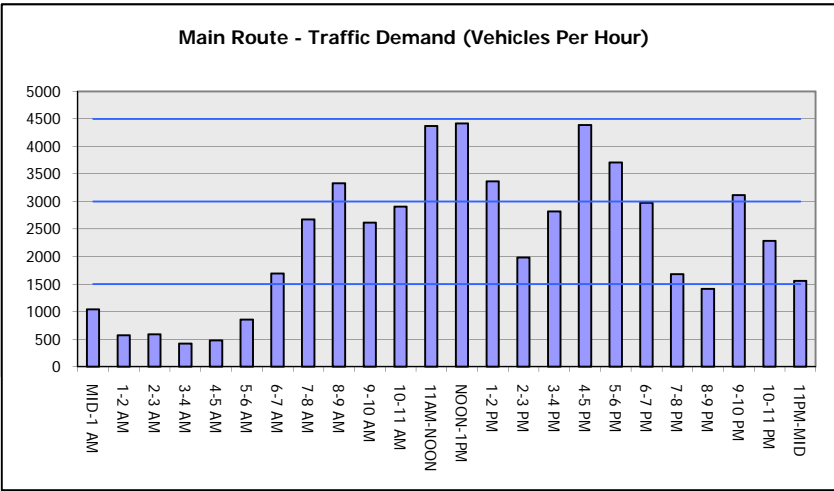
\*Delays Exceeding User-Specified Maximum

**IH 94: CTH O TO STH 100 (WAUKESHA 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 O TO STH 100 (WAUKESHA 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    | 1052                         | 0.0       | OFF            | 1052       | 0           | 0.00                  | 0                   | 69.4                  | 69.4           | 69.4 |
| 1-2 AM      | 421                          | 0.0       | OFF            | 421        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 2-3 AM      | 378                          | 0.0       | OFF            | 378        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 3-4 AM      | 308                          | 0.0       | OFF            | 308        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 4-5 AM      | 345                          | 0.0       | OFF            | 345        | 0           | 0.00                  | 0                   | 70.2                  | 70.2           | 70.2 |
| 5-6 AM      | 725                          | 0.0       | OFF            | 725        | 0           | 0.00                  | 0                   | 69.9                  | 69.9           | 69.9 |
| 6-7 AM      | 1322                         | 0.0       | OFF            | 1322       | 0           | 0.00                  | 0                   | 69.1                  | 69.1           | 69.1 |
| 7-8 AM      | 1990                         | 0.0       | OFF            | 1990       | 0           | 0.00                  | 0                   | 68.2                  | 68.2           | 68.2 |
| 8-9 AM      | 2579                         | 0.0       | 1499           | 1932       | 647         | 13.06+                | 325                 | 67.5                  | 11.7           | 32.5 |
| 9-10 AM     | 2146                         | 0.0       | 1499           | 1500       | 646         | 16.34+                | 399                 | 68.1                  | 9.7            | 30.8 |
| 10-11 AM    | 2567                         | 0.0       | 1500           | 1500       | 1067        | 16.32+                | 400                 | 67.6                  | 9.7            | 30.8 |
| 11AM-NOON   | 4002                         | 0.0       | 1500           | 1500       | 2502        | 16.15+                | 400                 | 63.5                  | 9.7            | 30.8 |
| NOON-1PM    | 4141                         | 0.0       | 1500           | 1500       | 2641        | 16.10+                | 400                 | 62.5                  | 9.7            | 30.8 |
| 1-2 PM      | 3252                         | 0.0       | 1500           | 1500       | 1752        | 16.29+                | 400                 | 66.7                  | 9.7            | 30.8 |
| 2-3 PM      | 2196                         | 0.0       | 1500           | 1500       | 696         | 16.34+                | 400                 | 68.0                  | 9.7            | 30.8 |
| 3-4 PM      | 3138                         | 0.0       | 1500           | 1500       | 1638        | 16.29+                | 400                 | 66.8                  | 9.7            | 30.8 |
| 4-5 PM      | 4877                         | 0.0       | 1500           | 1500       | 3377        | 15.84+                | 400                 | 57.5                  | 9.7            | 30.8 |
| 5-6 PM      | 4401                         | 0.0       | 1500           | 1500       | 2901        | 16.02+                | 400                 | 60.8                  | 9.7            | 30.8 |
| 6-7 PM      | 3357                         | 0.0       | OFF            | 3357       | 0           | 0.42                  | 35                  | 66.6                  | 57.8           | 57.8 |
| 7-8 PM      | 2008                         | 0.0       | OFF            | 2008       | 0           | 0.00                  | 0                   | 68.2                  | 68.2           | 68.2 |
| 8-9 PM      | 1536                         | 0.0       | OFF            | 1536       | 0           | 0.00                  | 0                   | 68.8                  | 68.8           | 68.8 |
| 9-10 PM     | 2782                         | 0.0       | OFF            | 2782       | 0           | 0.00                  | 0                   | 67.3                  | 67.3           | 67.3 |
| 10-11 PM    | 2183                         | 0.0       | OFF            | 2183       | 0           | 0.00                  | 0                   | 68.0                  | 68.0           | 68.0 |
| 11PM-MID    | 1598                         | 0.0       | OFF            | 1598       | 0           | 0.00                  | 0                   | 68.7                  | 68.7           | 68.7 |

"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           | 0.0263 |
| MAIN ROUTE WITH WORKS              | 0.0165 |
| 'DIVERSION'                        | 0.0204 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS |           |
|-------------------------------|-----------|
| ROAD USER COSTS PER DAY       | \$144,912 |
| CONGESTED HOURS PER DAY*      | 10        |

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH O TO STH 100 (WAUKESHA 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 EASTBOUND DIRECTION**

