

|   |  |
|---|--|
| <b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b><br><b>CONTINUOUS (24 HOUR) CLOSURE</b><br><b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b> | <b>AUGUST</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    | 1041                         | 0.0       | 3000           | 1041       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 1-2 AM      | 588                          | 0.0       | 3000           | 588        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 2-3 AM      | 402                          | 0.0       | 3000           | 402        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 3-4 AM      | 292                          | 0.0       | 3000           | 292        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 4-5 AM      | 321                          | 0.0       | 3000           | 321        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 5-6 AM      | 512                          | 0.0       | 3000           | 512        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 6-7 AM      | 810                          | 0.0       | 3000           | 810        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 7-8 AM      | 1000                         | 0.0       | 3000           | 1000       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 8-9 AM      | 1500                         | 0.0       | 3000           | 1500       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |
| 9-10 AM     | 2217                         | 0.0       | 3000           | 2217       | 0           | 0.18                  | 0                   | 69.3                  | 57.6           | 49.7 |  |
| 10-11 AM    | 2880                         | 0.0       | 2999           | 2880       | 0           | 0.35                  | 0                   | 68.4                  | 49.1           | 38.8 |  |
| 11AM-NOON   | 3093                         | 0.0       | 2999           | 3093       | 0           | 0.86                  | 31                  | 68.2                  | 34.4           | 36.9 |  |
| NOON-1PM    | 3356                         | 0.0       | 3000           | 3356       | 0           | 4.81                  | 260                 | 67.9                  | 13.1           | 36.9 |  |
| 1-2 PM      | 3441                         | 0.0       | 3000           | 3441       | 0           | 12.37+                | 667                 | 67.8                  | 9.0            | 36.9 |  |
| 2-3 PM      | 3439                         | 0.0       | 2999           | 3007       | 432         | 16.80+                | 903                 | 67.8                  | 8.3            | 36.9 |  |
| 3-4 PM      | 3513                         | 0.0       | 3000           | 3004       | 510         | 16.81+                | 904                 | 67.7                  | 8.3            | 36.9 |  |
| 4-5 PM      | 3545                         | 0.0       | 3000           | 3002       | 543         | 16.82+                | 905                 | 67.6                  | 8.3            | 36.9 |  |
| 5-6 PM      | 3154                         | 0.0       | 3000           | 2998       | 156         | 16.75+                | 900                 | 68.1                  | 8.3            | 36.9 |  |
| 6-7 PM      | 3092                         | 0.0       | 2999           | 2999       | 93          | 16.74+                | 899                 | 68.2                  | 8.3            | 36.9 |  |
| 7-8 PM      | 2745                         | 0.0       | 2999           | 2745       | 0           | 14.84+                | 796                 | 68.6                  | 8.5            | 36.9 |  |
| 8-9 PM      | 2365                         | 0.0       | 2999           | 2365       | 0           | 5.75                  | 347                 | 69.1                  | 12.6           | 40.7 |  |
| 9-10 PM     | 2135                         | 0.0       | 3000           | 2135       | 0           | 0.18                  | 0                   | 69.4                  | 57.6           | 49.7 |  |
| 10-11 PM    | 1607                         | 0.0       | 3000           | 1607       | 0           | 0.18                  | 0                   | 70.0                  | 57.8           | 49.7 |  |
| 11PM-MID    | 1056                         | 0.0       | 3000           | 1056       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |  |

+ 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 |

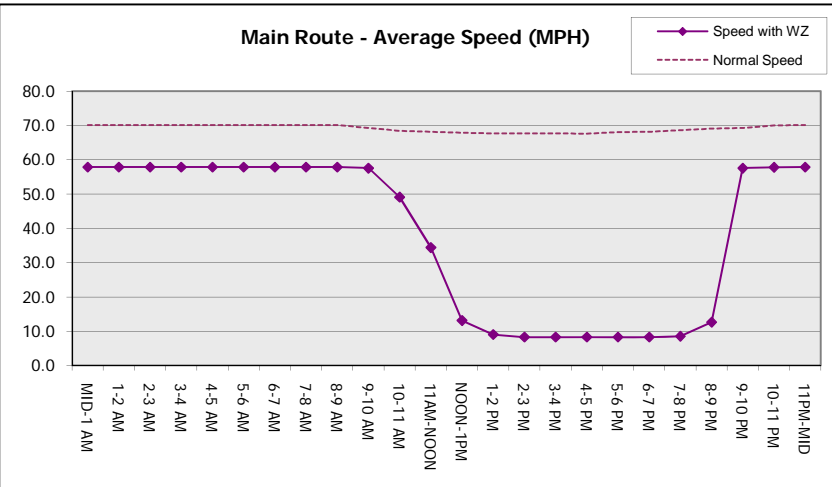
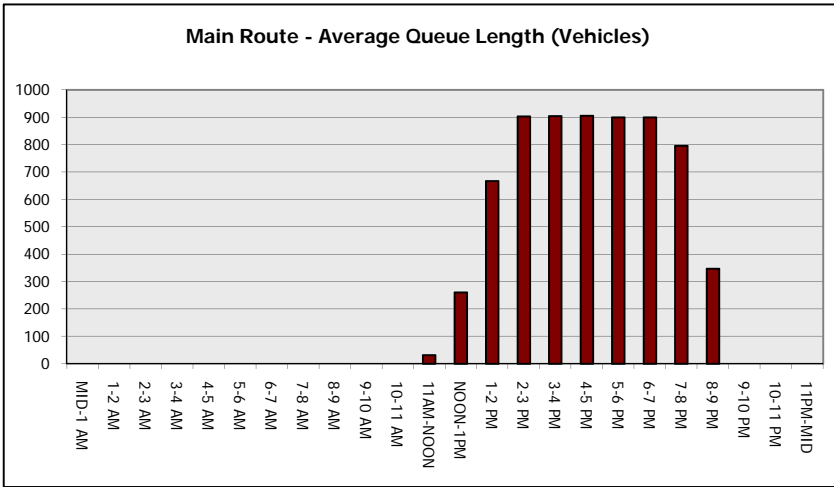
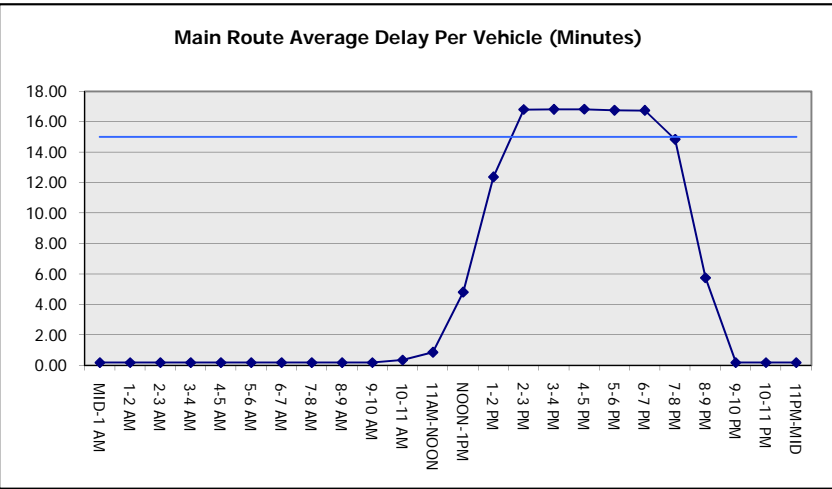
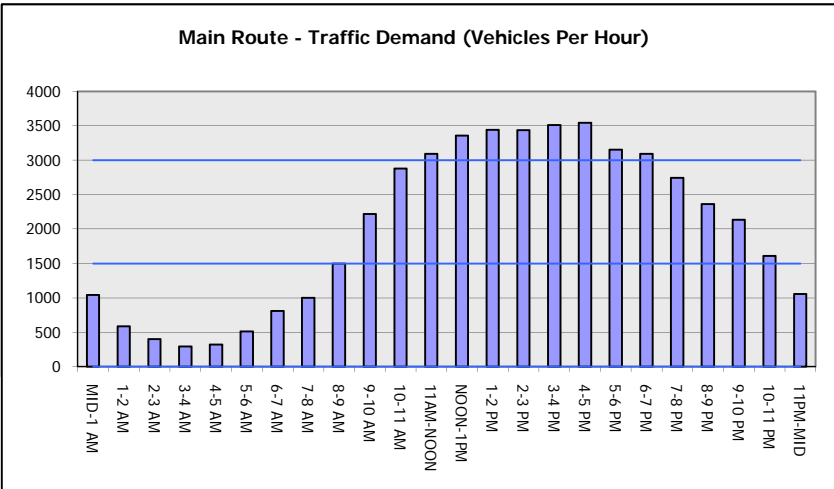
| AVERAGE ACCIDENT NUMBERS (PIA/DAY)            |           |
|---|-----------|
| MAIN ROUTE WITHOUT WORKS                      | 0.0077    |
| MAIN ROUTE WITH WORKS                         | 0.0024    |
| 'DIVERSION'                                   | 0.0006    |
| <small>PIA: Personal Injury Accidents</small> |           |
| IMPACTS ON ROAD USERS                         |           |
| ROAD USER COSTS PER DAY                       | \$113,017 |
| CONGESTED HOURS PER DAY*                      | 7         |

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

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



|   |  |
|---|--|
| <b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b><br><b>CONTINUOUS (24 HOUR) CLOSURE</b><br><b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b> | <b>AUGUST</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    | 1307                         | 0.0       | 3000           | 1307       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 1-2 AM      | 852                          | 0.0       | 3000           | 852        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 2-3 AM      | 672                          | 0.0       | 3000           | 672        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 3-4 AM      | 458                          | 0.0       | 3000           | 458        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 4-5 AM      | 519                          | 0.0       | 3000           | 519        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 5-6 AM      | 801                          | 0.0       | 3000           | 801        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 6-7 AM      | 973                          | 0.0       | 3000           | 973        | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 7-8 AM      | 1194                         | 0.0       | 3000           | 1194       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 8-9 AM      | 1705                         | 0.0       | 3000           | 1705       | 0           | 0.18                  | 0                   | 69.9                  | 57.8           | 49.7 |
| 9-10 AM     | 2560                         | 0.0       | 2999           | 2560       | 0           | 0.24                  | 0                   | 68.9                  | 54.2           | 45.2 |
| 10-11 AM    | 3096                         | 0.0       | 2999           | 3096       | 0           | 0.74                  | 28                  | 68.2                  | 36.9           | 37.1 |
| 11AM-NOON   | 3620                         | 0.0       | 3000           | 3620       | 0           | 6.92                  | 391                 | 67.4                  | 11.3           | 36.9 |
| NOON-1PM    | 4159                         | 0.0       | 2999           | 3196       | 963         | 16.90+                | 917                 | 63.8                  | 8.2            | 36.9 |
| 1-2 PM      | 4314                         | 0.0       | 3000           | 3015       | 1300        | 17.22+                | 937                 | 62.7                  | 8.2            | 36.9 |
| 2-3 PM      | 4482                         | 0.0       | 3000           | 3020       | 1462        | 17.57+                | 959                 | 61.5                  | 8.1            | 36.9 |
| 3-4 PM      | 4432                         | 0.0       | 3000           | 2987       | 1444        | 17.54+                | 957                 | 61.9                  | 8.1            | 36.9 |
| 4-5 PM      | 4297                         | 0.0       | 3000           | 2977       | 1320        | 17.27+                | 940                 | 62.8                  | 8.2            | 36.9 |
| 5-6 PM      | 3956                         | 0.0       | 3000           | 2986       | 969         | 16.83+                | 910                 | 65.1                  | 8.3            | 36.9 |
| 6-7 PM      | 3632                         | 0.0       | 2999           | 2995       | 637         | 16.83+                | 906                 | 67.4                  | 8.3            | 36.9 |
| 7-8 PM      | 2917                         | 0.0       | 2999           | 2881       | 36          | 16.24+                | 872                 | 68.4                  | 8.3            | 36.9 |
| 8-9 PM      | 2540                         | 0.0       | 2999           | 2540       | 0           | 10.83+                | 584                 | 68.9                  | 9.4            | 37.1 |
| 9-10 PM     | 2165                         | 0.0       | 3000           | 2165       | 0           | 0.73                  | 77                  | 69.4                  | 38.4           | 47.4 |
| 10-11 PM    | 1522                         | 0.0       | 3000           | 1522       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |
| 11PM-MID    | 1047                         | 0.0       | 3000           | 1047       | 0           | 0.18                  | 0                   | 70.2                  | 57.9           | 49.7 |

+ 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           | 0.0091 |
| MAIN ROUTE WITH WORKS              | 0.0025 |
| 'DIVERSION'                        | 0.0030 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS |           |
|-------------------------------|-----------|
| ROAD USER COSTS PER DAY       | \$172,098 |
| CONGESTED HOURS PER DAY*      | 9         |

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

