

|  |  |
|--|--|
| <b>IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)</b><br><b>NIGHTTIME CLOSURE</b><br><b>DIVERSION ROUTE: STH 67 - USH 18 - CTH C</b> | <b>AUGUST</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                   |           | 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    | 481                          | 0.0       | 54              | 0.0       | 1500           | 481             | 0                | 54                    | 0.47                  | 0                   | 65.5            | 57.3         | 43.6            | 29.3            | 29.3         |
| 1-2 AM      | 273                          | 0.0       | 30              | 0.0       | 1500           | 273             | 0                | 30                    | 0.45                  | 0                   | 65.9            | 57.9         | 44.4            | 29.5            | 29.5         |
| 2-3 AM      | 215                          | 0.0       | 24              | 0.0       | 1500           | 215             | 0                | 24                    | 0.44                  | 0                   | 66.0            | 58.1         | 44.6            | 29.6            | 29.6         |
| 3-4 AM      | 181                          | 0.0       | 20              | 0.0       | 1500           | 181             | 0                | 20                    | 0.44                  | 0                   | 66.1            | 58.2         | 44.8            | 29.6            | 29.6         |
| 4-5 AM      | 241                          | 0.0       | 27              | 0.0       | 1500           | 241             | 0                | 27                    | 0.45                  | 0                   | 66.0            | 58.0         | 44.5            | 29.6            | 29.6         |
| 5-6 AM      | 465                          | 0.0       | 52              | 0.0       | 1500           | 465             | 0                | 52                    | 0.47                  | 0                   | 65.5            | 57.4         | 43.7            | 29.3            | 29.3         |
| 6-7 AM      | 935                          | 0.0       | 106             | 0.0       | 1499           | 935             | 0                | 106                   | 0.51                  | 0                   | 64.6            | 56.0         | 41.9            | 28.8            | 28.8         |
| 7-8 AM      | 1499                         | 0.0       | 170             | 0.0       | 1499           | 1499            | 0                | 170                   | 1.47                  | 18                  | 63.6            | 44.3         | 32.4            | 28.2            | 28.2         |
| 8-9 AM      | 2093                         | 0.0       | 237             | 0.0       | OFF            | 2093            | 0                | 237                   | 0.03                  | 1                   | 62.5            | 62.0         | 62.0            | 27.6            | 27.6         |
| 9-10 AM     | 2467                         | 0.0       | 278             | 0.0       | OFF            | 2467            | 0                | 278                   | 0.00                  | 0                   | 61.2            | 61.2         | 61.2            | 27.1            | 27.1         |
| 10-11 AM    | 2635                         | 0.0       | 297             | 0.0       | OFF            | 2635            | 0                | 297                   | 0.00                  | 0                   | 59.5            | 59.5         | 59.5            | 27.0            | 27.0         |
| 11A-NOON    | 2614                         | 0.0       | 295             | 0.0       | OFF            | 2614            | 0                | 295                   | 0.00                  | 0                   | 59.7            | 59.7         | 59.7            | 27.0            | 27.0         |
| NOON-1PM    | 2693                         | 0.0       | 303             | 0.0       | OFF            | 2693            | 0                | 303                   | 0.00                  | 0                   | 58.9            | 58.9         | 58.9            | 27.0            | 27.0         |
| 1-2 PM      | 2449                         | 0.0       | 276             | 0.0       | OFF            | 2449            | 0                | 276                   | 0.00                  | 0                   | 61.4            | 61.4         | 61.4            | 27.2            | 27.2         |
| 2-3 PM      | 2451                         | 0.0       | 276             | 0.0       | OFF            | 2451            | 0                | 276                   | 0.00                  | 0                   | 61.4            | 61.4         | 61.4            | 27.2            | 27.2         |
| 3-4 PM      | 2461                         | 0.0       | 277             | 0.0       | OFF            | 2461            | 0                | 277                   | 0.00                  | 0                   | 61.3            | 61.3         | 61.3            | 27.2            | 27.2         |
| 4-5 PM      | 2316                         | 0.0       | 261             | 0.0       | OFF            | 2316            | 0                | 261                   | 0.00                  | 0                   | 62.1            | 62.1         | 62.1            | 27.3            | 27.3         |
| 5-6 PM      | 2031                         | 0.0       | 229             | 0.0       | OFF            | 2031            | 0                | 229                   | 0.00                  | 0                   | 62.6            | 62.6         | 62.6            | 27.6            | 27.6         |
| 6-7 PM      | 1739                         | 0.0       | 196             | 0.0       | 1499           | 1739            | 0                | 196                   | 5.56                  | 136                 | 63.2            | 24.0         | 30.8            | 27.9            | 27.9         |
| 7-8 PM      | 1474                         | 0.0       | 166             | 0.0       | 1499           | 1474            | 0                | 166                   | 9.89                  | 239                 | 63.7            | 16.3         | 30.8            | 28.3            | 28.3         |
| 8-9 PM      | 1326                         | 0.0       | 150             | 0.0       | 1499           | 1326            | 0                | 150                   | 5.56                  | 132                 | 63.9            | 24.2         | 31.6            | 28.4            | 28.4         |
| 9-10 PM     | 1262                         | 0.0       | 142             | 0.0       | 1500           | 1262            | 0                | 142                   | 0.83                  | 3                   | 64.0            | 51.4         | 36.4            | 28.4            | 28.4         |
| 10-11 PM    | 1186                         | 0.0       | 134             | 0.0       | 1500           | 1186            | 0                | 134                   | 0.62                  | 0                   | 64.1            | 54.2         | 38.9            | 28.6            | 28.6         |
| 11PM-MID    | 904                          | 0.0       | 102             | 0.0       | 1500           | 904             | 0                | 102                   | 0.51                  | 0                   | 64.7            | 56.1         | 42.0            | 28.8            | 28.8         |

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

| *----- SITE BREAKDOWN DELAYS -----*    |      |
|--|------|
| BREAKDOWN DURATION (MINS)              | 0    |
| RANGE OF QUEUE DELAY - MIN (VEH-H) MAX | 0.0  |
| RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX | 0.0  |
| RANGE OF DIVN DELAY - MIN (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           | 0.0208 |
| MAIN ROUTE WITH WORKS              | 0.0200 |
| DIVERSION                          | 0.0453 |

PIA: Personal Injury Accidents

| IMPACTS ON ROAD USERS              |          |
|------------------------------------|----------|
| ROAD USER COSTS PER DAY ( DOLLARS) | \$10,378 |
| CONGESTED HOURS PER DAY*           | 0        |

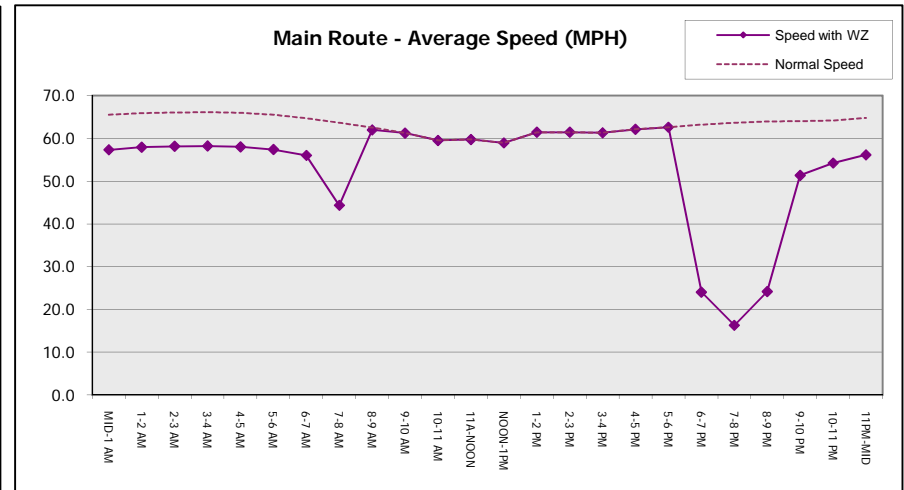
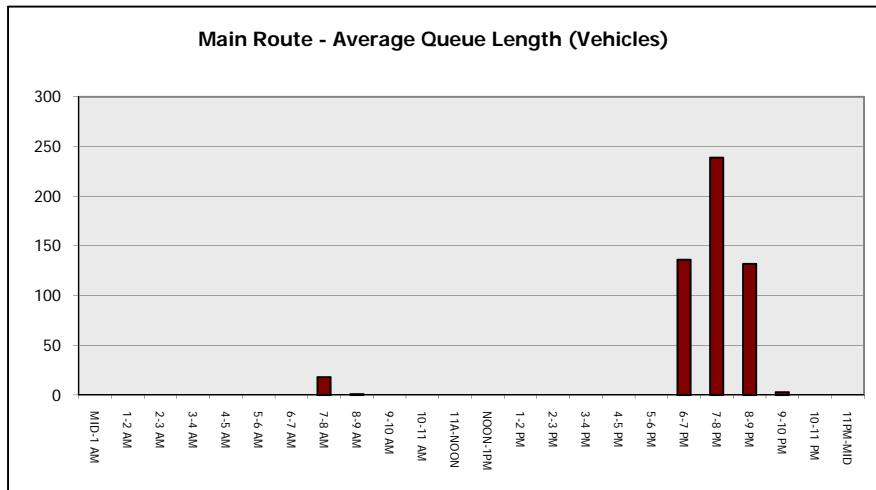
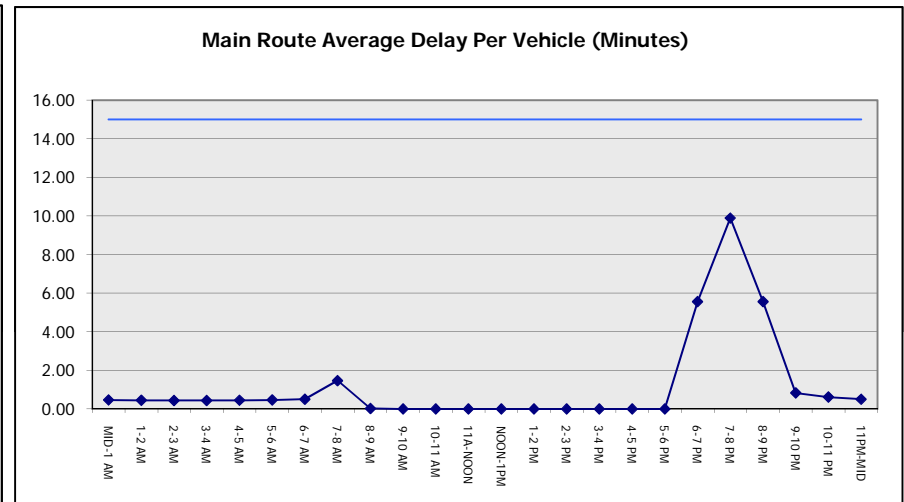
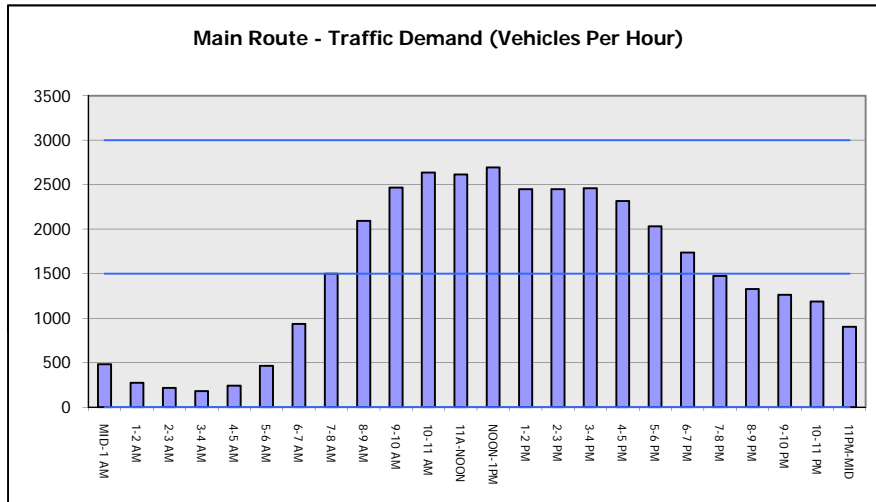
\*Delays Exceeding 15 Minutes

**IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 67 - USH 18 - CTH C**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY WESTBOUND DIRECTION**



|  |  |
|--|--|
| <b>IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)</b><br><b>NIGHTTIME CLOSURE</b><br><b>DIVERSION ROUTE: STH 67 - USH 18 - CTH C</b> | <b>AUGUST</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                         |           | 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    | 497                          | 0.0       | 57          | 0.0       | 1500           | 497             | 0                | 57              | 0.47                  | 0                   | 65.5            | 57.3         | 43.5 | 29.2            | 29.2         |
| 1-2 AM      | 273                          | 0.0       | 30          | 0.0       | 1500           | 273             | 0                | 30              | 0.45                  | 0                   | 65.9            | 57.9         | 44.4 | 29.5            | 29.5         |
| 2-3 AM      | 177                          | 0.0       | 20          | 0.0       | 1500           | 177             | 0                | 20              | 0.44                  | 0                   | 66.1            | 58.2         | 44.8 | 29.6            | 29.6         |
| 3-4 AM      | 167                          | 0.0       | 19          | 0.0       | 1500           | 167             | 0                | 19              | 0.44                  | 0                   | 66.1            | 58.2         | 44.8 | 29.6            | 29.6         |
| 4-5 AM      | 234                          | 0.0       | 26          | 0.0       | 1500           | 234             | 0                | 26              | 0.45                  | 0                   | 66.0            | 58.1         | 44.5 | 29.6            | 29.6         |
| 5-6 AM      | 392                          | 0.0       | 44          | 0.0       | 1500           | 392             | 0                | 44              | 0.46                  | 0                   | 65.6            | 57.6         | 43.9 | 29.4            | 29.4         |
| 6-7 AM      | 543                          | 0.0       | 61          | 0.0       | 1500           | 543             | 0                | 61              | 0.48                  | 0                   | 65.4            | 57.1         | 43.3 | 29.2            | 29.2         |
| 7-8 AM      | 868                          | 0.0       | 98          | 0.0       | 1500           | 868             | 0                | 98              | 0.51                  | 0                   | 64.8            | 56.2         | 42.2 | 28.9            | 28.9         |
| 8-9 AM      | 1246                         | 0.0       | 140         | 0.0       | OFF            | 1246            | 0                | 140             | 0.00                  | 0                   | 64.1            | 64.1         | 64.1 | 28.5            | 28.5         |
| 9-10 AM     | 1781                         | 0.0       | 201         | 0.0       | OFF            | 1781            | 0                | 201             | 0.00                  | 0                   | 63.1            | 63.1         | 63.1 | 27.9            | 27.9         |
| 10-11 AM    | 2176                         | 0.0       | 245         | 0.0       | OFF            | 2176            | 0                | 245             | 0.00                  | 0                   | 62.3            | 62.3         | 62.3 | 27.5            | 27.5         |
| 11A-NOON    | 2253                         | 0.0       | 254         | 0.0       | OFF            | 2253            | 0                | 254             | 0.00                  | 0                   | 62.2            | 62.2         | 62.2 | 27.4            | 27.4         |
| NOON-1PM    | 2492                         | 0.0       | 282         | 0.0       | OFF            | 2492            | 0                | 282             | 0.00                  | 0                   | 61.0            | 61.0         | 61.0 | 27.1            | 27.1         |
| 1-2 PM      | 2535                         | 0.0       | 286         | 0.0       | OFF            | 2535            | 0                | 286             | 0.00                  | 0                   | 60.5            | 60.5         | 60.5 | 27.1            | 27.1         |
| 2-3 PM      | 2460                         | 0.0       | 277         | 0.0       | OFF            | 2460            | 0                | 277             | 0.00                  | 0                   | 61.3            | 61.3         | 61.3 | 27.2            | 27.2         |
| 3-4 PM      | 1789                         | 0.0       | 202         | 0.0       | OFF            | 1789            | 0                | 202             | 0.00                  | 0                   | 63.0            | 63.0         | 63.0 | 27.9            | 27.9         |
| 4-5 PM      | 2969                         | 0.0       | 335         | 0.0       | OFF            | 2969            | 0                | 335             | 0.00                  | 0                   | 56.1            | 56.1         | 56.1 | 26.6            | 26.6         |
| 5-6 PM      | 2442                         | 0.0       | 275         | 0.0       | OFF            | 2442            | 0                | 275             | 0.00                  | 0                   | 61.5            | 61.5         | 61.5 | 27.2            | 27.2         |
| 6-7 PM      | 1963                         | 0.0       | 221         | 0.0       | 1499           | 1963            | 0                | 221             | 9.20                  | 257                 | 62.7            | 17.1         | 30.8 | 27.7            | 27.7         |
| 7-8 PM      | 1599                         | 0.0       | 180         | 0.0       | 1499           | 1467            | 132              | 312             | 17.64                 | 448                 | 63.4            | 10.5         | 30.8 | 28.1            | 27.0         |
| 8-9 PM      | 1502                         | 0.0       | 170         | 0.0       | 1500           | 1480            | 22               | 191             | 16.70                 | 423                 | 63.6            | 10.8         | 30.8 | 28.2            | 28.0         |
| 9-10 PM     | 1352                         | 0.0       | 153         | 0.0       | 1499           | 1352            | 0                | 153             | 13.77                 | 347                 | 63.8            | 12.6         | 30.8 | 28.4            | 28.4         |
| 10-11 PM    | 1130                         | 0.0       | 128         | 0.0       | 1499           | 1130            | 0                | 128             | 3.15                  | 104                 | 64.3            | 33.2         | 36.6 | 28.6            | 28.6         |
| 11PM-MID    | 886                          | 0.0       | 100         | 0.0       | 1500           | 886             | 0                | 100             | 0.51                  | 0                   | 64.7            | 56.1         | 42.1 | 28.9            | 28.9         |

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

| *----- 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           | 0.0193 |
| MAIN ROUTE WITH WORKS              | 0.0185 |
| DIVERSION                          | 0.0437 |

PIA: Personal Injury Accidents

| IMPACTS ON ROAD USERS              |          |
|------------------------------------|----------|
| ROAD USER COSTS PER DAY ( DOLLARS) | \$26,452 |
| CONGESTED HOURS PER DAY*           | 2        |

\*Delays Exceeding 15 Minutes

**IH 94: STH 67 TO CTH C (WAUKESHA COUNTY)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 67 - USH 18 - CTH C**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

