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| <b>STH 16: CTH C TO STH 190 (WAUKESHA COUNTY)<br/>                 CONTINUOUS (24 HOUR) CLOSURE<br/>                 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    | 352                          | 0.0       | 1500           | 352        | 0           | 0.46                  | 0                     | 65.7              | 62.1           | 44.1 |
| 1-2 AM      | 141                          | 0.0       | 1500           | 141        | 0           | 0.44                  | 0                     | 66.1              | 62.6           | 44.9 |
| 2-3 AM      | 121                          | 0.0       | 1500           | 121        | 0           | 0.43                  | 0                     | 66.1              | 62.7           | 45.0 |
| 3-4 AM      | 74                           | 0.0       | 1500           | 74         | 0           | 0.43                  | 0                     | 66.3              | 62.8           | 45.2 |
| 4-5 AM      | 69                           | 0.0       | 1500           | 69         | 0           | 0.43                  | 0                     | 66.3              | 62.8           | 45.2 |
| 5-6 AM      | 115                          | 0.0       | 1500           | 115        | 0           | 0.43                  | 0                     | 66.2              | 62.7           | 45.0 |
| 6-7 AM      | 236                          | 0.0       | 1500           | 236        | 0           | 0.45                  | 0                     | 66.0              | 62.4           | 44.5 |
| 7-8 AM      | 254                          | 0.0       | 1500           | 254        | 0           | 0.45                  | 0                     | 65.9              | 62.3           | 44.5 |
| 8-9 AM      | 364                          | 0.0       | 1500           | 364        | 0           | 0.46                  | 0                     | 65.7              | 62.1           | 44.0 |
| 9-10 AM     | 582                          | 0.0       | 1500           | 582        | 0           | 0.48                  | 0                     | 65.3              | 61.5           | 43.2 |
| 10-11 AM    | 751                          | 0.0       | 1500           | 751        | 0           | 0.50                  | 0                     | 65.0              | 61.2           | 42.5 |
| 11AM-NOON   | 951                          | 0.0       | 1500           | 951        | 0           | 0.51                  | 0                     | 64.6              | 60.7           | 41.9 |
| NOON-1PM    | 1167                         | 0.0       | 1500           | 1167       | 0           | 0.59                  | 0                     | 64.2              | 59.8           | 39.6 |
| 1-2 PM      | 1245                         | 0.0       | 1500           | 1245       | 0           | 0.69                  | 0                     | 64.1              | 59.0           | 37.1 |
| 2-3 PM      | 1174                         | 0.0       | 1500           | 1174       | 0           | 0.60                  | 0                     | 64.2              | 59.7           | 39.3 |
| 3-4 PM      | 1039                         | 0.0       | 1500           | 1039       | 0           | 0.52                  | 0                     | 64.5              | 60.5           | 41.5 |
| 4-5 PM      | 1065                         | 0.0       | 1500           | 1065       | 0           | 0.53                  | 0                     | 64.4              | 60.4           | 41.4 |
| 5-6 PM      | 917                          | 0.0       | 1500           | 917        | 0           | 0.51                  | 0                     | 64.7              | 60.8           | 42.0 |
| 6-7 PM      | 775                          | 0.0       | 1500           | 775        | 0           | 0.50                  | 0                     | 65.0              | 61.1           | 42.5 |
| 7-8 PM      | 710                          | 0.0       | 1500           | 710        | 0           | 0.49                  | 0                     | 65.1              | 61.3           | 42.7 |
| 8-9 PM      | 626                          | 0.0       | 1500           | 626        | 0           | 0.48                  | 0                     | 65.2              | 61.5           | 43.0 |
| 9-10 PM     | 482                          | 0.0       | 1500           | 482        | 0           | 0.47                  | 0                     | 65.5              | 61.8           | 43.6 |
| 10-11 PM    | 321                          | 0.0       | 1500           | 321        | 0           | 0.45                  | 0                     | 65.8              | 62.2           | 44.2 |
| 11PM-MID    | 212                          | 0.0       | 1500           | 212        | 0           | 0.44                  | 0                     | 66.0              | 62.5           | 44.6 |

**\*----- 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 | 0.0188 |
| MAIN ROUTE WITH WORKS    | 0.0179 |
| 'DIVERSION'              | 0.0000 |

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

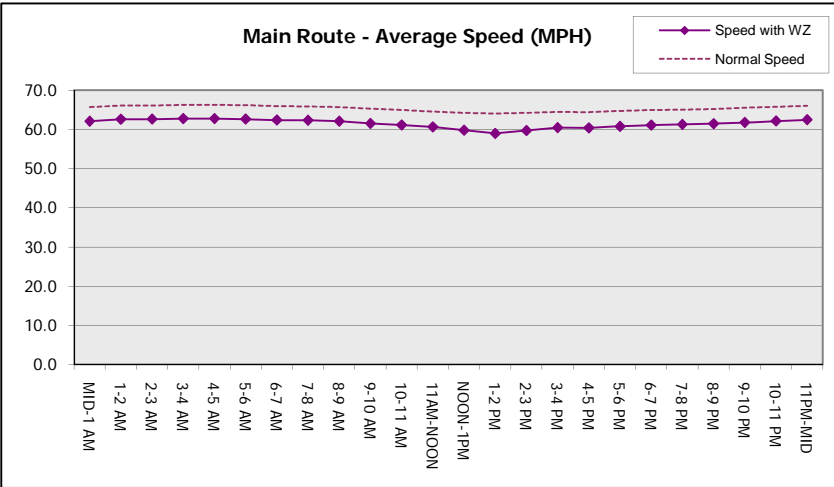
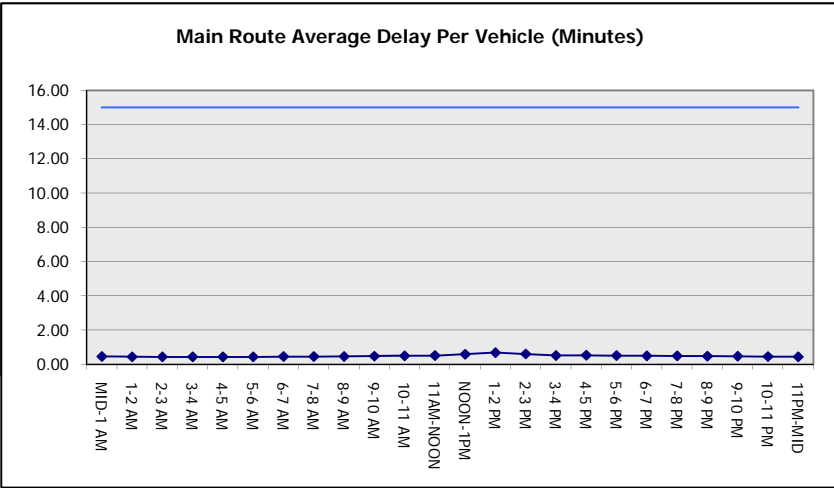
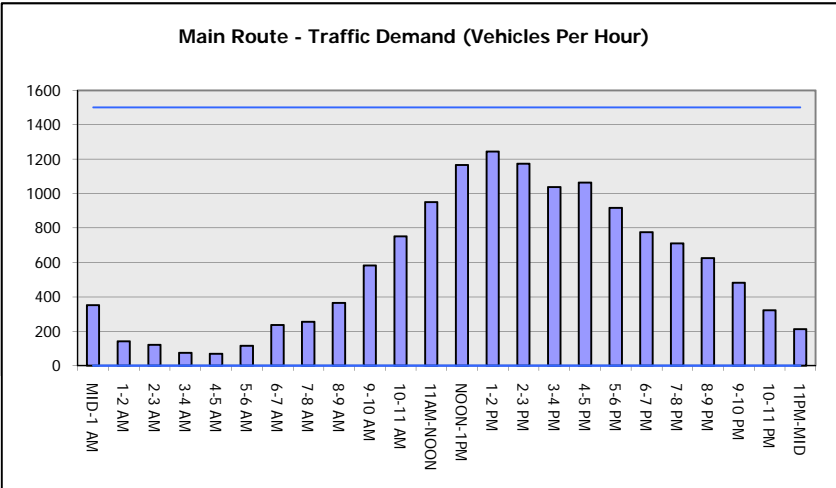
|                          |         |
|--------------------------|---------|
| ROAD USER COSTS PER DAY  | \$1,863 |
| CONGESTED HOURS PER DAY* | 0       |

\*Delays Exceeding User-Specified Maximum

**STH 16: CTH C TO STH 190 (WAUKESHA 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>STH 16: CTH C TO STH 190 (WAUKESHA COUNTY)<br/>                 CONTINUOUS (24 HOUR) CLOSURE<br/>                 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    | 245                          | 0.0       | 1500           | 245        | 0           | 0.45                  | 0                   | 66.0                  | 62.3           | 44.5 |
| 1-2 AM      | 142                          | 0.0       | 1500           | 142        | 0           | 0.44                  | 0                   | 66.1                  | 62.6           | 44.9 |
| 2-3 AM      | 114                          | 0.0       | 1500           | 114        | 0           | 0.43                  | 0                   | 66.2                  | 62.7           | 45.0 |
| 3-4 AM      | 70                           | 0.0       | 1500           | 70         | 0           | 0.43                  | 0                   | 66.3                  | 62.8           | 45.2 |
| 4-5 AM      | 55                           | 0.0       | 1500           | 55         | 0           | 0.43                  | 0                   | 66.3                  | 62.8           | 45.3 |
| 5-6 AM      | 103                          | 0.0       | 1500           | 103        | 0           | 0.43                  | 0                   | 66.2                  | 62.7           | 45.1 |
| 6-7 AM      | 257                          | 0.0       | 1500           | 257        | 0           | 0.45                  | 0                   | 65.9                  | 62.3           | 44.5 |
| 7-8 AM      | 342                          | 0.0       | 1500           | 342        | 0           | 0.46                  | 0                   | 65.8                  | 62.2           | 44.1 |
| 8-9 AM      | 580                          | 0.0       | 1500           | 580        | 0           | 0.48                  | 0                   | 65.3                  | 61.6           | 43.2 |
| 9-10 AM     | 882                          | 0.0       | 1500           | 882        | 0           | 0.51                  | 0                   | 64.8                  | 60.9           | 42.1 |
| 10-11 AM    | 1066                         | 0.0       | 1500           | 1066       | 0           | 0.53                  | 0                   | 64.4                  | 60.4           | 41.4 |
| 11AM-NOON   | 1278                         | 0.0       | 1500           | 1278       | 0           | 0.74                  | 0                   | 64.0                  | 58.6           | 36.1 |
| NOON-1PM    | 1225                         | 0.0       | 1500           | 1225       | 0           | 0.67                  | 0                   | 64.1                  | 59.2           | 37.6 |
| 1-2 PM      | 1046                         | 0.0       | 1500           | 1046       | 0           | 0.52                  | 0                   | 64.5                  | 60.5           | 41.5 |
| 2-3 PM      | 1037                         | 0.0       | 1500           | 1037       | 0           | 0.52                  | 0                   | 64.5                  | 60.5           | 41.5 |
| 3-4 PM      | 1023                         | 0.0       | 1500           | 1023       | 0           | 0.52                  | 0                   | 64.5                  | 60.5           | 41.6 |
| 4-5 PM      | 1085                         | 0.0       | 1500           | 1085       | 0           | 0.53                  | 0                   | 64.3                  | 60.4           | 41.4 |
| 5-6 PM      | 940                          | 0.0       | 1500           | 940        | 0           | 0.51                  | 0                   | 64.6                  | 60.7           | 41.9 |
| 6-7 PM      | 909                          | 0.0       | 1500           | 909        | 0           | 0.51                  | 0                   | 64.7                  | 60.8           | 42.0 |
| 7-8 PM      | 924                          | 0.0       | 1500           | 924        | 0           | 0.51                  | 0                   | 64.6                  | 60.7           | 41.9 |
| 8-9 PM      | 850                          | 0.0       | 1500           | 850        | 0           | 0.50                  | 0                   | 64.8                  | 60.9           | 42.2 |
| 9-10 PM     | 503                          | 0.0       | 1500           | 503        | 0           | 0.47                  | 0                   | 65.5                  | 61.7           | 43.5 |
| 10-11 PM    | 398                          | 0.0       | 1500           | 398        | 0           | 0.46                  | 0                   | 65.6                  | 62.0           | 43.9 |
| 11PM-MID    | 158                          | 0.0       | 1500           | 158        | 0           | 0.44                  | 0                   | 66.1                  | 62.6           | 44.8 |

| *----- 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           | 0.0208 |
| MAIN ROUTE WITH WORKS              | 0.0198 |
| 'DIVERSION'                        | 0.0000 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS |         |
|-------------------------------|---------|
| ROAD USER COSTS PER DAY       | \$2,103 |
| CONGESTED HOURS PER DAY*      | 0       |

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
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**AUGUST**

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

