

| | |
|---|--|
| USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | MAY |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY SOUTHBOUND 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 | 317 | 0.0 | OFF | 317 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 1-2 AM | 205 | 0.0 | OFF | 205 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 2-3 AM | 181 | 0.0 | OFF | 181 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 3-4 AM | 124 | 0.0 | OFF | 124 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 4-5 AM | 181 | 0.0 | OFF | 181 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 5-6 AM | 315 | 0.0 | OFF | 315 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 6-7 AM | 535 | 0.0 | OFF | 535 | 0 | 0.00 | 0 | 70.0 | 70.0 | 70.0 |
| 7-8 AM | 869 | 0.0 | OFF | 869 | 0 | 0.00 | 0 | 69.7 | 69.7 | 69.7 |
| 8-9 AM | 1182 | 0.0 | 1500 | 1182 | 0 | 0.68 | 0 | 69.2 | 48.2 | 39.1 |
| 9-10 AM | 1357 | 0.0 | 1499 | 1357 | 0 | 0.91 | 0 | 69.1 | 43.7 | 34.1 |
| 10-11 AM | 1619 | 0.0 | 1499 | 1619 | 0 | 2.71 | 49 | 68.7 | 25.2 | 30.8 |
| 11AM-NOON | 1669 | 0.0 | 1499 | 1669 | 0 | 8.41 | 198 | 68.7 | 11.1 | 30.8 |
| NOON-1PM | 1794 | 0.0 | 1500 | 1640 | 154 | 15.80+ | 387 | 68.5 | 7.5 | 30.8 |
| 1-2 PM | 1769 | 0.0 | 1499 | 1499 | 270 | 16.98+ | 415 | 68.6 | 7.2 | 30.8 |
| 2-3 PM | 1833 | 0.0 | 1499 | 1499 | 335 | 16.98+ | 416 | 68.4 | 7.2 | 30.8 |
| 3-4 PM | 1850 | 0.0 | 1499 | 1499 | 351 | 16.98+ | 416 | 68.4 | 7.2 | 30.8 |
| 4-5 PM | 1745 | 0.0 | 1500 | 1499 | 246 | 16.98+ | 415 | 68.6 | 7.2 | 30.8 |
| 5-6 PM | 1701 | 0.0 | 1499 | 1499 | 201 | 16.98+ | 415 | 68.6 | 7.2 | 30.8 |
| 6-7 PM | 1368 | 0.0 | OFF | 1368 | 0 | 0.21 | 19 | 69.1 | 61.0 | 61.0 |
| 7-8 PM | 1171 | 0.0 | OFF | 1171 | 0 | 0.00 | 0 | 69.3 | 69.3 | 69.3 |
| 8-9 PM | 1102 | 0.0 | OFF | 1102 | 0 | 0.00 | 0 | 69.4 | 69.4 | 69.4 |
| 9-10 PM | 1058 | 0.0 | OFF | 1058 | 0 | 0.00 | 0 | 69.4 | 69.4 | 69.4 |
| 10-11 PM | 769 | 0.0 | OFF | 769 | 0 | 0.00 | 0 | 69.8 | 69.8 | 69.8 |
| 11PM-MID | 467 | 0.0 | OFF | 467 | 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 |

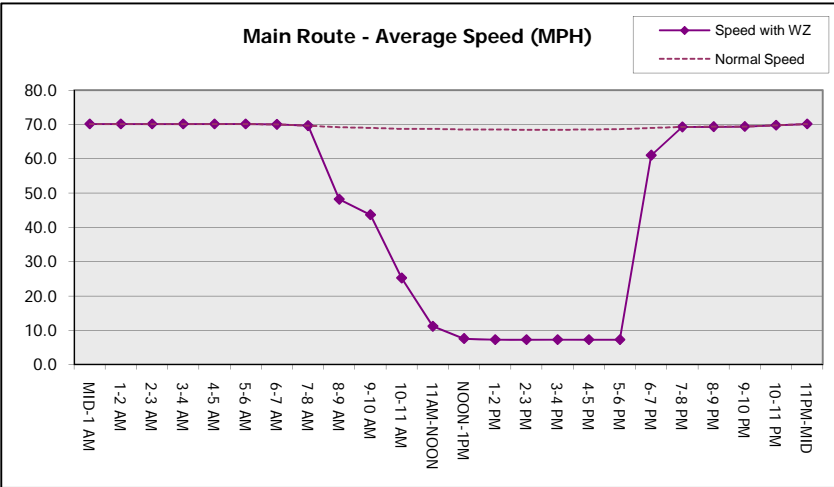
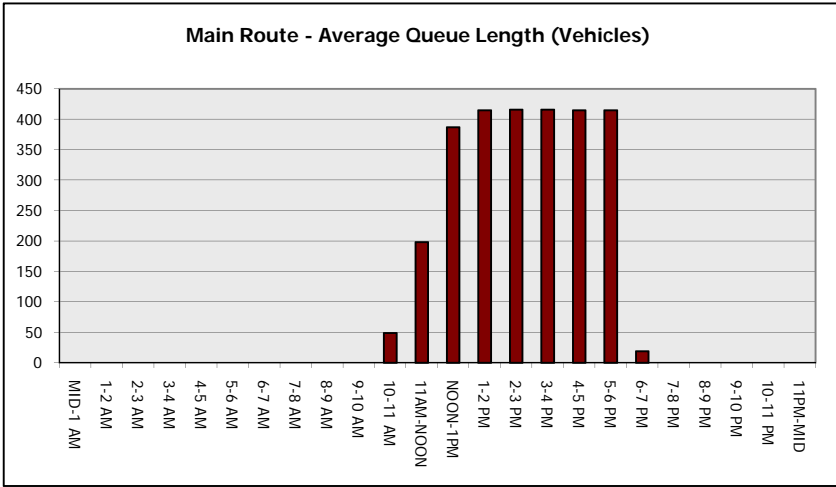
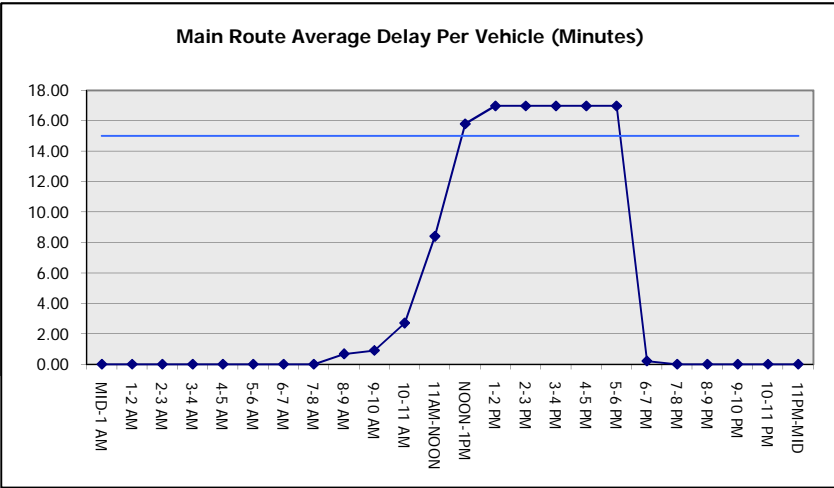
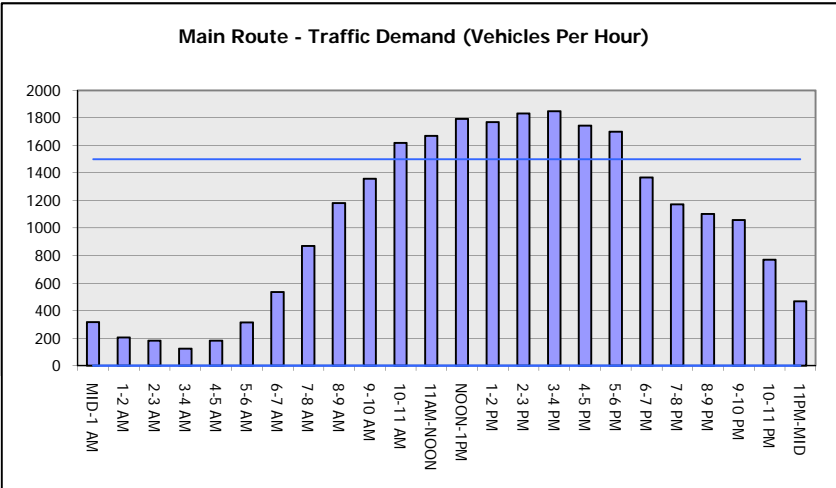
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) | |
|------------------------------------|----------|
| MAIN ROUTE WITHOUT WORKS | 0.0072 |
| MAIN ROUTE WITH WORKS | 0.0058 |
| 'DIVERSION' | 0.0010 |
| PIA: Personal Injury Accidents | |
| IMPACTS ON ROAD USERS | |
| ROAD USER COSTS PER DAY | \$54,633 |
| CONGESTED HOURS PER DAY* | 6 |

*Delays Exceeding User-Specified Maximum

**USH 41: STH 15 TO STH 125 (OUTAGAMIE 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 SOUTHBOUND DIRECTION



| | |
|---|--|
| USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | MAY |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY NORTHBOUND 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 | 328 | 0.0 | OFF | 328 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 1-2 AM | 223 | 0.0 | OFF | 223 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 2-3 AM | 184 | 0.0 | OFF | 184 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 3-4 AM | 123 | 0.0 | OFF | 123 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 4-5 AM | 149 | 0.0 | OFF | 149 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 5-6 AM | 264 | 0.0 | OFF | 264 | 0 | 0.00 | 0 | 70.2 | 70.2 | 70.2 |
| 6-7 AM | 527 | 0.0 | OFF | 527 | 0 | 0.00 | 0 | 70.0 | 70.0 | 70.0 |
| 7-8 AM | 911 | 0.0 | OFF | 911 | 0 | 0.00 | 0 | 69.6 | 69.6 | 69.6 |
| 8-9 AM | 1304 | 0.0 | 1499 | 1304 | 0 | 0.84 | 0 | 69.1 | 45.0 | 35.5 |
| 9-10 AM | 1599 | 0.0 | 1499 | 1599 | 0 | 2.04 | 30 | 68.7 | 29.9 | 30.8 |
| 10-11 AM | 1894 | 0.0 | 1500 | 1886 | 8 | 10.82+ | 279 | 68.4 | 9.6 | 30.8 |
| 11AM-NOON | 2090 | 0.0 | 1500 | 1461 | 629 | 16.87+ | 413 | 68.1 | 7.2 | 30.8 |
| NOON-1PM | 2120 | 0.0 | 1499 | 1497 | 623 | 16.99+ | 416 | 68.1 | 7.2 | 30.8 |
| 1-2 PM | 2015 | 0.0 | 1499 | 1497 | 517 | 16.98+ | 416 | 68.2 | 7.2 | 30.8 |
| 2-3 PM | 1994 | 0.0 | 1499 | 1498 | 496 | 16.98+ | 416 | 68.2 | 7.2 | 30.8 |
| 3-4 PM | 1885 | 0.0 | 1499 | 1498 | 387 | 16.98+ | 416 | 68.4 | 7.2 | 30.8 |
| 4-5 PM | 1855 | 0.0 | 1499 | 1498 | 357 | 16.98+ | 416 | 68.4 | 7.2 | 30.8 |
| 5-6 PM | 1734 | 0.0 | 1499 | 1498 | 235 | 16.98+ | 415 | 68.6 | 7.2 | 30.8 |
| 6-7 PM | 1456 | 0.0 | OFF | 1456 | 0 | 0.22 | 20 | 68.9 | 60.5 | 60.5 |
| 7-8 PM | 1096 | 0.0 | OFF | 1096 | 0 | 0.00 | 0 | 69.4 | 69.4 | 69.4 |
| 8-9 PM | 849 | 0.0 | OFF | 849 | 0 | 0.00 | 0 | 69.7 | 69.7 | 69.7 |
| 9-10 PM | 724 | 0.0 | OFF | 724 | 0 | 0.00 | 0 | 69.9 | 69.9 | 69.9 |
| 10-11 PM | 620 | 0.0 | OFF | 620 | 0 | 0.00 | 0 | 70.0 | 70.0 | 70.0 |
| 11PM-MID | 432 | 0.0 | OFF | 432 | 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 | 0.0076 |
| MAIN ROUTE WITH WORKS | 0.0056 |
| 'DIVERSION' | 0.0022 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS | |
|-------------------------------|----------|
| ROAD USER COSTS PER DAY | \$70,268 |
| CONGESTED HOURS PER DAY* | 8 |

*Delays Exceeding User-Specified Maximum

**USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY)
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SATURDAY NORTHBOUND DIRECTION

