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|--|--|
| USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | MAY |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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 | 166 | 0.0 | OFF | 166 | 0 | 0.00 | 0 | 66.1 | 66.1 | 66.1 | |
| 1-2 AM | 142 | 0.0 | OFF | 142 | 0 | 0.00 | 0 | 66.1 | 66.1 | 66.1 | |
| 2-3 AM | 140 | 0.0 | OFF | 140 | 0 | 0.00 | 0 | 66.1 | 66.1 | 66.1 | |
| 3-4 AM | 178 | 0.0 | OFF | 178 | 0 | 0.00 | 0 | 66.1 | 66.1 | 66.1 | |
| 4-5 AM | 359 | 0.0 | OFF | 359 | 0 | 0.00 | 0 | 65.7 | 65.7 | 65.7 | |
| 5-6 AM | 845 | 0.0 | OFF | 845 | 0 | 0.00 | 0 | 64.8 | 64.8 | 64.8 | |
| 6-7 AM | 1570 | 0.0 | OFF | 1570 | 0 | 0.00 | 0 | 63.5 | 63.5 | 63.5 | |
| 7-8 AM | 2218 | 0.0 | OFF | 2218 | 0 | 0.00 | 0 | 62.2 | 62.2 | 62.2 | |
| 8-9 AM | 1769 | 0.0 | OFF | 1769 | 0 | 0.00 | 0 | 63.1 | 63.1 | 63.1 | |
| 9-10 AM | 1544 | 0.0 | OFF | 1544 | 0 | 0.00 | 0 | 63.5 | 63.5 | 63.5 | |
| 10-11 AM | 1532 | 0.0 | 1499 | 1532 | 0 | 1.53 | 14 | 63.5 | 29.4 | 30.8 | |
| 11AM-NOON | 1588 | 0.0 | 1500 | 1588 | 0 | 3.56 | 71 | 63.4 | 17.6 | 30.8 | |
| NOON-1PM | 1660 | 0.0 | 1500 | 1660 | 0 | 8.09 | 195 | 63.3 | 11.1 | 30.8 | |
| 1-2 PM | 1748 | 0.0 | 1500 | 1640 | 108 | 15.09+ | 382 | 63.2 | 8.3 | 30.8 | |
| 2-3 PM | 1936 | 0.0 | 1500 | 1505 | 432 | 17.32+ | 440 | 62.8 | 7.8 | 30.8 | |
| 3-4 PM | 2297 | 0.0 | OFF | 2297 | 0 | 0.88 | 53 | 62.1 | 37.7 | 37.7 | |
| 4-5 PM | 2499 | 0.0 | OFF | 2499 | 0 | 0.00 | 0 | 60.9 | 60.9 | 60.9 | |
| 5-6 PM | 2213 | 0.0 | OFF | 2213 | 0 | 0.00 | 0 | 62.3 | 62.3 | 62.3 | |
| 6-7 PM | 1457 | 0.0 | OFF | 1457 | 0 | 0.00 | 0 | 63.7 | 63.7 | 63.7 | |
| 7-8 PM | 1072 | 0.0 | OFF | 1072 | 0 | 0.00 | 0 | 64.4 | 64.4 | 64.4 | |
| 8-9 PM | 943 | 0.0 | OFF | 943 | 0 | 0.00 | 0 | 64.6 | 64.6 | 64.6 | |
| 9-10 PM | 698 | 0.0 | OFF | 698 | 0 | 0.00 | 0 | 65.1 | 65.1 | 65.1 | |
| 10-11 PM | 539 | 0.0 | OFF | 539 | 0 | 0.00 | 0 | 65.4 | 65.4 | 65.4 | |
| 11PM-MID | 313 | 0.0 | OFF | 313 | 0 | 0.00 | 0 | 65.8 | 65.8 | 65.8 | |

"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 |

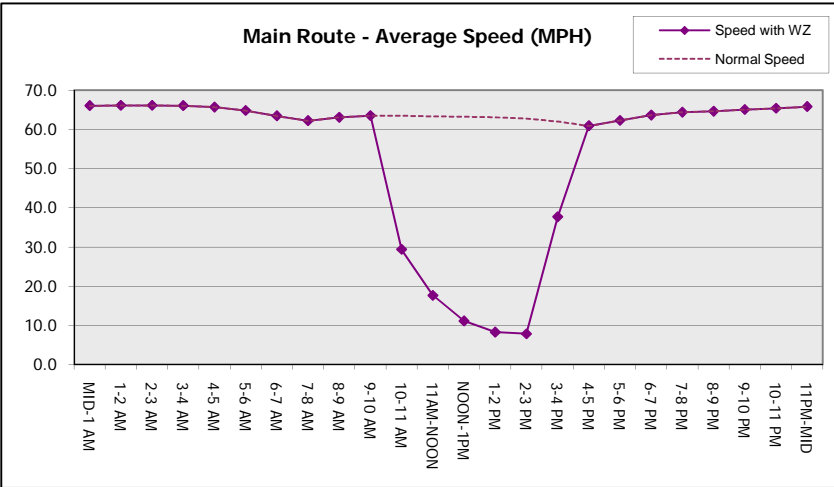
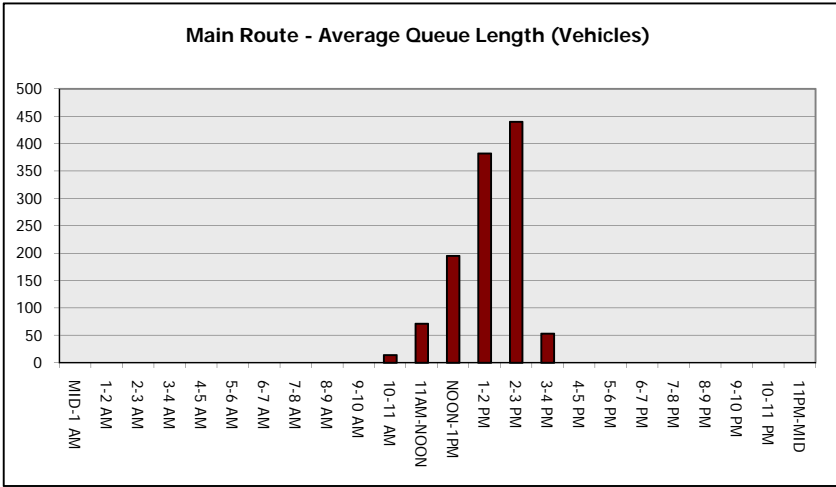
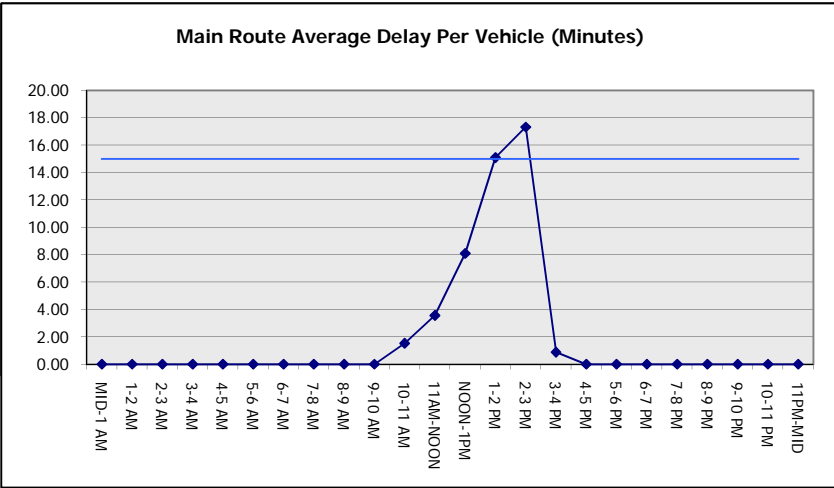
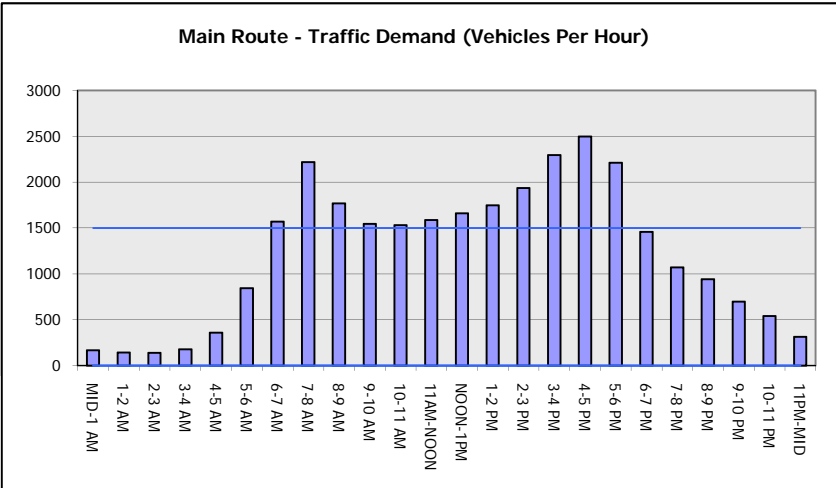
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) | |
|------------------------------------|----------|
| MAIN ROUTE WITHOUT WORKS | 0.0065 |
| MAIN ROUTE WITH WORKS | 0.0059 |
| 'DIVERSION' | 0.0003 |
| PIA: Personal Injury Accidents | |
| IMPACTS ON ROAD USERS | |
| ROAD USER COSTS PER DAY | \$17,209 |
| CONGESTED HOURS PER DAY* | 2 |

*Delays Exceeding User-Specified Maximum

**USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY)
OFF-PEAK DAY CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



| | |
|--|--|
| USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | MAY |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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 | 167 | 0.0 | OFF | 167 | 0 | 0.00 | 0 | 66.1 | 66.1 | 66.1 |
| 1-2 AM | 118 | 0.0 | OFF | 118 | 0 | 0.00 | 0 | 66.1 | 66.1 | 66.1 |
| 2-3 AM | 111 | 0.0 | OFF | 111 | 0 | 0.00 | 0 | 66.2 | 66.2 | 66.2 |
| 3-4 AM | 150 | 0.0 | OFF | 150 | 0 | 0.00 | 0 | 66.1 | 66.1 | 66.1 |
| 4-5 AM | 253 | 0.0 | OFF | 253 | 0 | 0.00 | 0 | 65.9 | 65.9 | 65.9 |
| 5-6 AM | 721 | 0.0 | OFF | 721 | 0 | 0.00 | 0 | 65.0 | 65.0 | 65.0 |
| 6-7 AM | 1347 | 0.0 | OFF | 1347 | 0 | 0.00 | 0 | 63.9 | 63.9 | 63.9 |
| 7-8 AM | 1919 | 0.0 | OFF | 1919 | 0 | 0.00 | 0 | 62.8 | 62.8 | 62.8 |
| 8-9 AM | 1409 | 0.0 | OFF | 1409 | 0 | 0.00 | 0 | 63.8 | 63.8 | 63.8 |
| 9-10 AM | 1294 | 0.0 | OFF | 1294 | 0 | 0.00 | 0 | 64.0 | 64.0 | 64.0 |
| 10-11 AM | 1331 | 0.0 | 1500 | 1331 | 0 | 0.81 | 0 | 63.9 | 39.6 | 34.7 |
| 11AM-NOON | 1384 | 0.0 | 1500 | 1384 | 0 | 0.87 | 0 | 63.8 | 38.3 | 33.3 |
| NOON-1PM | 1432 | 0.0 | 1500 | 1432 | 0 | 0.94 | 0 | 63.7 | 37.2 | 32.2 |
| 1-2 PM | 1466 | 0.0 | 1499 | 1466 | 0 | 0.98 | 0 | 63.7 | 36.5 | 31.5 |
| 2-3 PM | 1655 | 0.0 | 1499 | 1655 | 0 | 2.95 | 63 | 63.3 | 20.2 | 30.8 |
| 3-4 PM | 1917 | 0.0 | OFF | 1917 | 0 | 0.09 | 5 | 62.8 | 58.7 | 58.7 |
| 4-5 PM | 2146 | 0.0 | OFF | 2146 | 0 | 0.00 | 0 | 62.4 | 62.4 | 62.4 |
| 5-6 PM | 2033 | 0.0 | OFF | 2033 | 0 | 0.00 | 0 | 62.6 | 62.6 | 62.6 |
| 6-7 PM | 1416 | 0.0 | OFF | 1416 | 0 | 0.00 | 0 | 63.8 | 63.8 | 63.8 |
| 7-8 PM | 986 | 0.0 | OFF | 986 | 0 | 0.00 | 0 | 64.5 | 64.5 | 64.5 |
| 8-9 PM | 830 | 0.0 | OFF | 830 | 0 | 0.00 | 0 | 64.8 | 64.8 | 64.8 |
| 9-10 PM | 669 | 0.0 | OFF | 669 | 0 | 0.00 | 0 | 65.1 | 65.1 | 65.1 |
| 10-11 PM | 463 | 0.0 | OFF | 463 | 0 | 0.00 | 0 | 65.5 | 65.5 | 65.5 |
| 11PM-MID | 324 | 0.0 | OFF | 324 | 0 | 0.00 | 0 | 65.8 | 65.8 | 65.8 |

"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 |
| 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 | 0.0057 |
| MAIN ROUTE WITH WORKS | 0.0052 |
| 'DIVERSION' | 0.0000 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS | |
|-------------------------------|---------|
| ROAD USER COSTS PER DAY | \$2,089 |
| CONGESTED HOURS PER DAY* | 0 |

*Delays Exceeding User-Specified Maximum

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MON-THUR NORTHBOUND DIRECTION

