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|---|--|
| USH 151: IH 39 TO STH 19 (DANE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT) | MAY |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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 | 182 | 0.0 | 1500 | 182 | 0 | 0.49 | 0 | 70.2 | 62.5 | 44.8 |
| 1-2 AM | 118 | 0.0 | 1500 | 118 | 0 | 0.49 | 0 | 70.2 | 62.6 | 45.0 |
| 2-3 AM | 121 | 0.0 | 1500 | 121 | 0 | 0.49 | 0 | 70.2 | 62.6 | 45.0 |
| 3-4 AM | 80 | 0.0 | 1500 | 80 | 0 | 0.48 | 0 | 70.2 | 62.7 | 45.1 |
| 4-5 AM | 101 | 0.0 | 1500 | 101 | 0 | 0.48 | 0 | 70.2 | 62.6 | 45.1 |
| 5-6 AM | 142 | 0.0 | 1500 | 142 | 0 | 0.49 | 0 | 70.2 | 62.5 | 44.9 |
| 6-7 AM | 267 | 0.0 | 1500 | 267 | 0 | 0.51 | 0 | 70.2 | 62.3 | 44.4 |
| 7-8 AM | 389 | 0.0 | 1500 | 389 | 0 | 0.52 | 0 | 70.2 | 62.1 | 43.9 |
| 8-9 AM | 682 | 0.0 | 1500 | 682 | 0 | 0.55 | 0 | 69.9 | 61.5 | 42.8 |
| 9-10 AM | 987 | 0.0 | OFF | 987 | 0 | 0.00 | 0 | 69.5 | 69.5 | 69.5 |
| 10-11 AM | 1294 | 0.0 | OFF | 1294 | 0 | 0.00 | 0 | 69.1 | 69.1 | 69.1 |
| 11AM-NOON | 1668 | 0.0 | OFF | 1668 | 0 | 0.00 | 0 | 68.7 | 68.7 | 68.7 |
| NOON-1PM | 1766 | 0.0 | OFF | 1766 | 0 | 0.00 | 0 | 68.6 | 68.6 | 68.6 |
| 1-2 PM | 1649 | 0.0 | OFF | 1649 | 0 | 0.00 | 0 | 68.7 | 68.7 | 68.7 |
| 2-3 PM | 1596 | 0.0 | OFF | 1596 | 0 | 0.00 | 0 | 68.7 | 68.7 | 68.7 |
| 3-4 PM | 1524 | 0.0 | OFF | 1524 | 0 | 0.00 | 0 | 68.9 | 68.9 | 68.9 |
| 4-5 PM | 1473 | 0.0 | OFF | 1473 | 0 | 0.00 | 0 | 68.9 | 68.9 | 68.9 |
| 5-6 PM | 1287 | 0.0 | OFF | 1287 | 0 | 0.00 | 0 | 69.1 | 69.1 | 69.1 |
| 6-7 PM | 1130 | 0.0 | OFF | 1130 | 0 | 0.00 | 0 | 69.3 | 69.3 | 69.3 |
| 7-8 PM | 816 | 0.0 | 1500 | 816 | 0 | 0.57 | 0 | 69.7 | 61.2 | 42.4 |
| 8-9 PM | 715 | 0.0 | 1500 | 715 | 0 | 0.56 | 0 | 69.9 | 61.4 | 42.7 |
| 9-10 PM | 556 | 0.0 | 1500 | 556 | 0 | 0.54 | 0 | 70.0 | 61.8 | 43.3 |
| 10-11 PM | 388 | 0.0 | 1500 | 388 | 0 | 0.52 | 0 | 70.2 | 62.1 | 44.0 |
| 11PM-MID | 188 | 0.0 | 1500 | 188 | 0 | 0.50 | 0 | 70.2 | 62.5 | 44.7 |

"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 | 0.0143 |
| MAIN ROUTE WITH WORKS | 0.0140 |
| 'DIVERSION' | 0.0000 |
| <small>PIA: Personal Injury Accidents</small> | |
| IMPACTS ON ROAD USERS | |
| ROAD USER COSTS PER DAY | \$594 |
| CONGESTED HOURS PER DAY* | 0 |

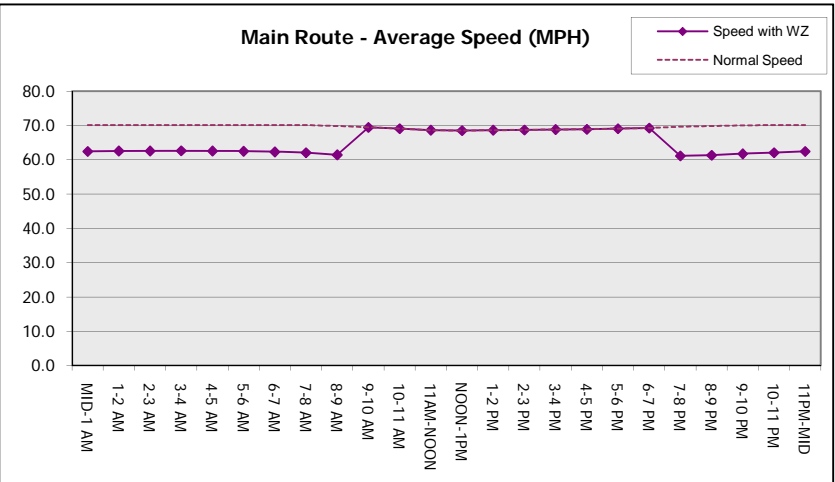
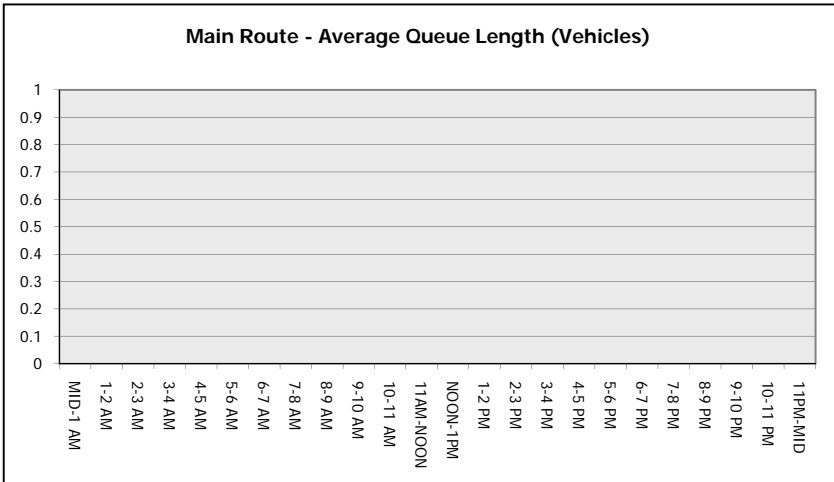
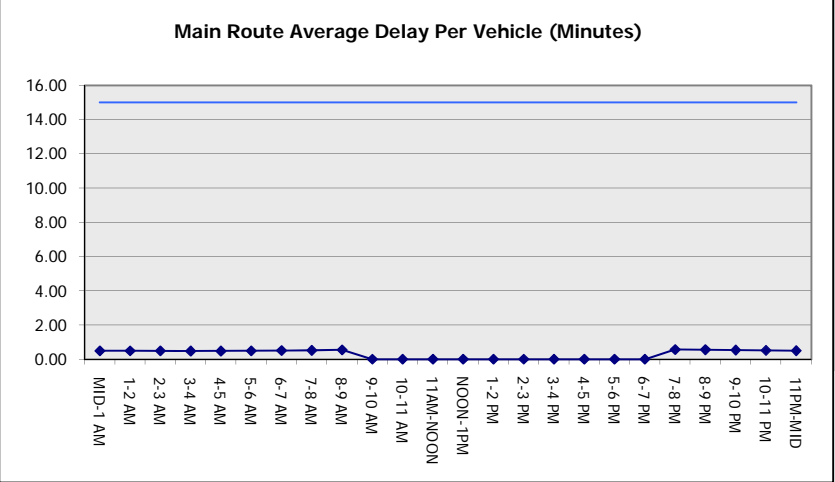
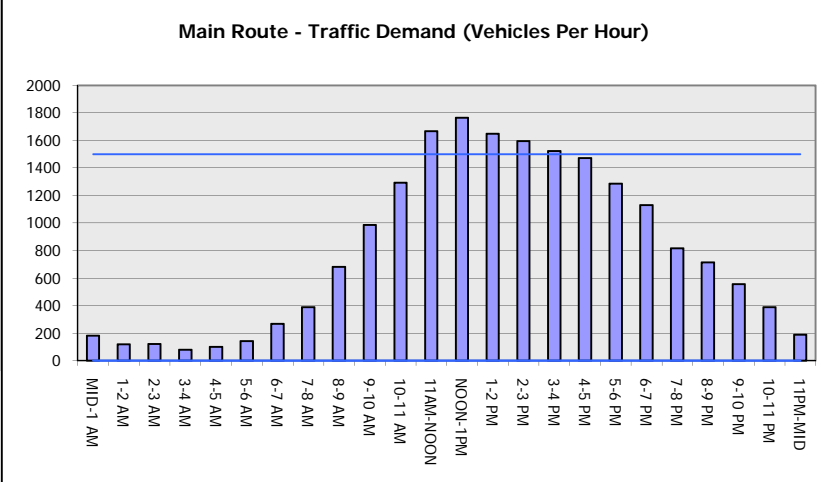
*Delays Exceeding User-Specified Maximum

**USH 151: IH 39 TO STH 19 (DANE COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE SEGMENT)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



| | |
|---|--|
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| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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 | 359 | 0.0 | 1500 | 359 | 0 | 0.52 | 0 | 70.2 | 62.2 | 44.0 |
| 1-2 AM | 224 | 0.0 | 1500 | 224 | 0 | 0.50 | 0 | 70.2 | 62.4 | 44.6 |
| 2-3 AM | 187 | 0.0 | 1500 | 187 | 0 | 0.50 | 0 | 70.2 | 62.5 | 44.7 |
| 3-4 AM | 115 | 0.0 | 1500 | 115 | 0 | 0.49 | 0 | 70.2 | 62.6 | 45.0 |
| 4-5 AM | 80 | 0.0 | 1500 | 80 | 0 | 0.48 | 0 | 70.2 | 62.7 | 45.1 |
| 5-6 AM | 71 | 0.0 | 1500 | 71 | 0 | 0.48 | 0 | 70.2 | 62.7 | 45.2 |
| 6-7 AM | 158 | 0.0 | 1500 | 158 | 0 | 0.49 | 0 | 70.2 | 62.5 | 44.8 |
| 7-8 AM | 268 | 0.0 | 1500 | 268 | 0 | 0.51 | 0 | 70.2 | 62.3 | 44.4 |
| 8-9 AM | 411 | 0.0 | 1500 | 411 | 0 | 0.52 | 0 | 70.2 | 62.1 | 43.8 |
| 9-10 AM | 694 | 0.0 | OFF | 694 | 0 | 0.00 | 0 | 69.9 | 69.9 | 69.9 |
| 10-11 AM | 996 | 0.0 | OFF | 996 | 0 | 0.00 | 0 | 69.5 | 69.5 | 69.5 |
| 11AM-NOON | 1269 | 0.0 | OFF | 1269 | 0 | 0.00 | 0 | 69.2 | 69.2 | 69.2 |
| NOON-1PM | 1534 | 0.0 | OFF | 1534 | 0 | 0.00 | 0 | 68.8 | 68.8 | 68.8 |
| 1-2 PM | 1586 | 0.0 | OFF | 1586 | 0 | 0.00 | 0 | 68.7 | 68.7 | 68.7 |
| 2-3 PM | 1683 | 0.0 | OFF | 1683 | 0 | 0.00 | 0 | 68.6 | 68.6 | 68.6 |
| 3-4 PM | 1746 | 0.0 | OFF | 1746 | 0 | 0.00 | 0 | 68.6 | 68.6 | 68.6 |
| 4-5 PM | 1792 | 0.0 | OFF | 1792 | 0 | 0.00 | 0 | 68.5 | 68.5 | 68.5 |
| 5-6 PM | 1586 | 0.0 | OFF | 1586 | 0 | 0.00 | 0 | 68.7 | 68.7 | 68.7 |
| 6-7 PM | 1380 | 0.0 | OFF | 1380 | 0 | 0.00 | 0 | 69.0 | 69.0 | 69.0 |
| 7-8 PM | 1033 | 0.0 | 1500 | 1033 | 0 | 0.59 | 0 | 69.4 | 60.6 | 41.5 |
| 8-9 PM | 834 | 0.0 | 1500 | 834 | 0 | 0.57 | 0 | 69.7 | 61.1 | 42.3 |
| 9-10 PM | 603 | 0.0 | 1500 | 603 | 0 | 0.54 | 0 | 70.0 | 61.7 | 43.1 |
| 10-11 PM | 414 | 0.0 | 1500 | 414 | 0 | 0.52 | 0 | 70.2 | 62.1 | 43.8 |
| 11PM-MID | 355 | 0.0 | 1500 | 355 | 0 | 0.52 | 0 | 70.2 | 62.2 | 44.1 |

"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 | 0.0145 |
| MAIN ROUTE WITH WORKS | 0.0141 |
| 'DIVERSION' | 0.0000 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS | |
|-------------------------------|-------|
| ROAD USER COSTS PER DAY | \$646 |
| CONGESTED HOURS PER DAY* | 0 |

*Delays Exceeding User-Specified Maximum

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