

| | |
|---|--|
| IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12 | AUGUST |
| | Analyzed for 2009 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 | 571 | 0.0 | 103 | 0.0 | OFF | 571 | 0 | 103 | 0.00 | 0 | 65.3 | 65.3 | 65.3 | 38.4 | 38.4 |
| 1-2 AM | 446 | 0.0 | 80 | 0.0 | OFF | 446 | 0 | 80 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | 38.8 | 38.8 |
| 2-3 AM | 432 | 0.0 | 77 | 0.0 | OFF | 432 | 0 | 77 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | 38.8 | 38.8 |
| 3-4 AM | 363 | 0.0 | 65 | 0.0 | OFF | 363 | 0 | 65 | 0.00 | 0 | 65.7 | 65.7 | 65.7 | 38.9 | 38.9 |
| 4-5 AM | 406 | 0.0 | 73 | 0.0 | OFF | 406 | 0 | 73 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | 38.8 | 38.8 |
| 5-6 AM | 637 | 0.0 | 114 | 0.0 | OFF | 637 | 0 | 114 | 0.00 | 0 | 65.2 | 65.2 | 65.2 | 38.3 | 38.3 |
| 6-7 AM | 1023 | 0.0 | 183 | 0.0 | OFF | 1023 | 0 | 183 | 0.00 | 0 | 64.5 | 64.5 | 64.5 | 37.4 | 37.4 |
| 7-8 AM | 1570 | 0.0 | 281 | 0.0 | OFF | 1570 | 0 | 281 | 0.00 | 0 | 63.5 | 63.5 | 63.5 | 36.3 | 36.3 |
| 8-9 AM | 2140 | 0.0 | 383 | 0.0 | 1499 | 2140 | 0 | 383 | 10.05 | 284 | 62.4 | 39.4 | 30.8 | 35.0 | 35.0 |
| 9-10 AM | 2691 | 0.0 | 482 | 0.0 | 1499 | 2038 | 653 | 1136 | 33.72 | 928 | 58.9 | 20.7 | 30.8 | 33.8 | 25.6 |
| 10-11 AM | 3002 | 0.0 | 538 | 0.0 | 1499 | 1811 | 1191 | 1728+ | 49.21 | 1366 | 55.8 | 15.6 | 30.8 | 33.0 | 19.4 |
| 11A-NOON | 2888 | 0.0 | 517 | 0.0 | 1499 | 1489 | 1399 | 1916+ | 52.51 | 1442 | 56.9 | 15.0 | 30.8 | 33.3 | 18.6 |
| NOON-1PM | 2635 | 0.0 | 472 | 0.0 | 1499 | 1375 | 1260 | 1732+ | 52.23 | 1413 | 59.5 | 15.3 | 30.8 | 33.9 | 18.9 |
| 1-2 PM | 2389 | 0.0 | 428 | 0.0 | 1499 | 1288 | 1101 | 1529+ | 46.83 | 1249 | 61.9 | 16.7 | 30.8 | 34.4 | 20.7 |
| 2-3 PM | 2202 | 0.0 | 394 | 0.0 | 1499 | 1300 | 902 | 1296+ | 39.06 | 1038 | 62.3 | 19.1 | 30.8 | 34.8 | 23.7 |
| 3-4 PM | 2039 | 0.0 | 365 | 0.0 | 1499 | 1352 | 688 | 1053 | 32.77 | 865 | 62.6 | 21.5 | 30.8 | 35.2 | 26.6 |
| 4-5 PM | 1838 | 0.0 | 330 | 0.0 | 1499 | 1368 | 471 | 800 | 27.62 | 723 | 63.0 | 24.0 | 30.8 | 35.6 | 29.8 |
| 5-6 PM | 1662 | 0.0 | 297 | 0.0 | 1500 | 1406 | 256 | 553 | 23.54 | 610 | 63.3 | 26.5 | 30.8 | 36.1 | 32.9 |
| 6-7 PM | 1464 | 0.0 | 263 | 0.0 | OFF | 1464 | 0 | 263 | 1.23 | 63 | 63.7 | 59.3 | 59.3 | 36.5 | 36.5 |
| 7-8 PM | 1240 | 0.0 | 222 | 0.0 | OFF | 1240 | 0 | 222 | 0.00 | 0 | 64.1 | 64.1 | 64.1 | 37.0 | 37.0 |
| 8-9 PM | 1155 | 0.0 | 207 | 0.0 | OFF | 1155 | 0 | 207 | 0.00 | 0 | 64.2 | 64.2 | 64.2 | 37.2 | 37.2 |
| 9-10 PM | 945 | 0.0 | 170 | 0.0 | OFF | 945 | 0 | 170 | 0.00 | 0 | 64.6 | 64.6 | 64.6 | 37.6 | 37.6 |
| 10-11 PM | 695 | 0.0 | 125 | 0.0 | OFF | 695 | 0 | 125 | 0.00 | 0 | 65.1 | 65.1 | 65.1 | 38.2 | 38.2 |
| 11PM-MID | 540 | 0.0 | 96 | 0.0 | OFF | 540 | 0 | 96 | 0.00 | 0 | 65.4 | 65.4 | 65.4 | 38.6 | 38.6 |

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

| *----- 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 | 0.0996 |
| MAIN ROUTE WITH WORKS | 0.0760 |
| DIVERSION | 0.3700 |

PIA: Personal Injury Accidents

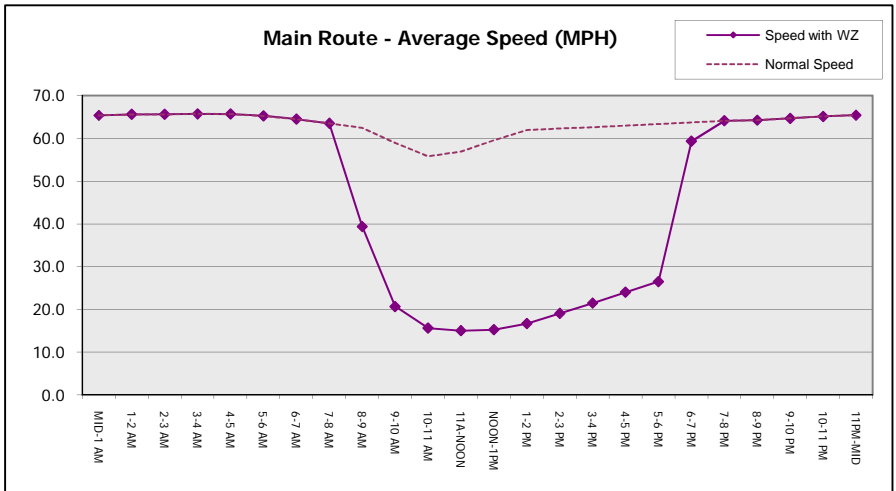
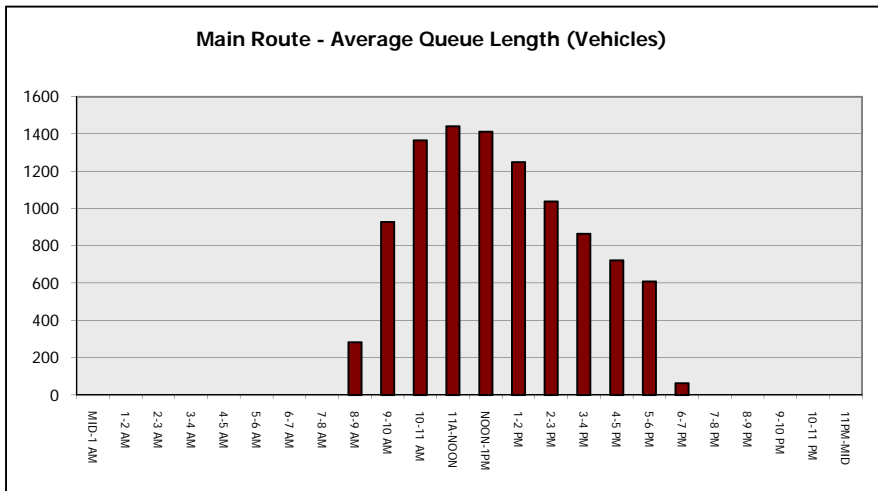
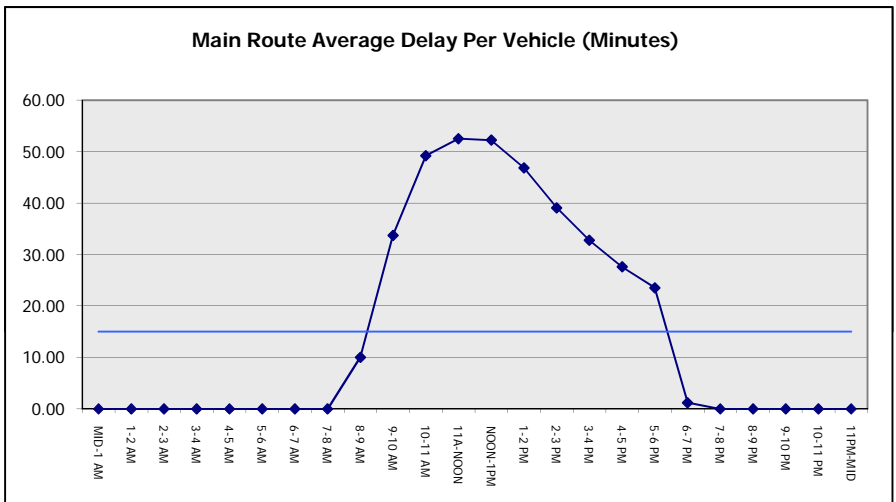
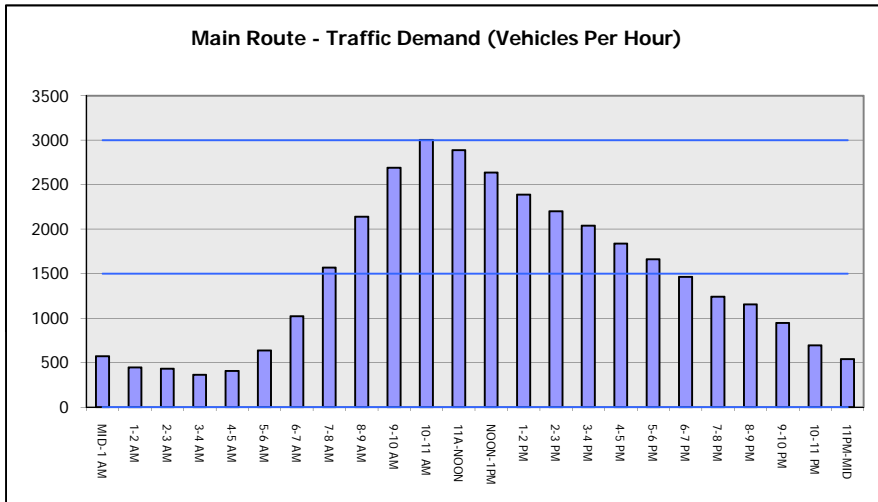
| IMPACTS ON ROAD USERS | |
|------------------------------------|-----------|
| ROAD USER COSTS PER DAY (DOLLARS) | \$277,483 |
| CONGESTED HOURS PER DAY* | 9 |

*Delays Exceeding 15 Minutes

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



| | |
|---|--|
| IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 73 - USH 12 | AUGUST |
| | Analyzed for 2009 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 | | 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 | 595 | 0.0 | 107 | 0.0 | OFF | 595 | 0 | 107 | 0.00 | 0 | 65.3 | 65.3 | 65.3 | 38.4 | 38.4 |
| 1-2 AM | 410 | 0.0 | 73 | 0.0 | OFF | 410 | 0 | 73 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | 38.8 | 38.8 |
| 2-3 AM | 391 | 0.0 | 70 | 0.0 | OFF | 391 | 0 | 70 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | 38.9 | 38.9 |
| 3-4 AM | 376 | 0.0 | 67 | 0.0 | OFF | 376 | 0 | 67 | 0.00 | 0 | 65.7 | 65.7 | 65.7 | 38.9 | 38.9 |
| 4-5 AM | 398 | 0.0 | 71 | 0.0 | OFF | 398 | 0 | 71 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | 38.9 | 38.9 |
| 5-6 AM | 409 | 0.0 | 73 | 0.0 | OFF | 409 | 0 | 73 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | 38.8 | 38.8 |
| 6-7 AM | 621 | 0.0 | 111 | 0.0 | OFF | 621 | 0 | 111 | 0.00 | 0 | 65.2 | 65.2 | 65.2 | 38.4 | 38.4 |
| 7-8 AM | 1016 | 0.0 | 182 | 0.0 | OFF | 1016 | 0 | 182 | 0.00 | 0 | 64.5 | 64.5 | 64.5 | 37.5 | 37.5 |
| 8-9 AM | 1416 | 0.0 | 253 | 0.0 | 1499 | 1416 | 0 | 253 | 0.98 | 2 | 63.8 | 60.2 | 33.0 | 36.6 | 36.6 |
| 9-10 AM | 1842 | 0.0 | 330 | 0.0 | 1500 | 1842 | 0 | 330 | 6.08 | 151 | 63.0 | 46.4 | 30.8 | 35.6 | 35.6 |
| 10-11 AM | 2326 | 0.0 | 416 | 0.0 | 1500 | 2040 | 286 | 703 | 24.33 | 657 | 62.0 | 25.8 | 30.8 | 34.6 | 31.0 |
| 11A-NOON | 2576 | 0.0 | 461 | 0.0 | 1500 | 1760 | 816 | 1277+ | 37.90 | 1022 | 60.1 | 19.3 | 30.8 | 34.0 | 23.9 |
| NOON-1PM | 2840 | 0.0 | 509 | 0.0 | 1500 | 1777 | 1063 | 1571+ | 47.12 | 1294 | 57.4 | 16.3 | 30.8 | 33.4 | 20.2 |
| 1-2 PM | 2875 | 0.0 | 515 | 0.0 | 1500 | 1499 | 1376 | 1891+ | 52.63 | 1444 | 57.1 | 15.0 | 30.8 | 33.3 | 18.6 |
| 2-3 PM | 2711 | 0.0 | 486 | 0.0 | 1500 | 1504 | 1207 | 1692+ | 52.82 | 1435 | 58.7 | 15.1 | 30.8 | 33.7 | 18.8 |
| 3-4 PM | 2728 | 0.0 | 489 | 0.0 | 1500 | 1502 | 1226 | 1714+ | 53.11 | 1444 | 58.6 | 15.0 | 30.8 | 33.7 | 18.6 |
| 4-5 PM | 2481 | 0.0 | 445 | 0.0 | 1500 | 1312 | 1169 | 1614+ | 50.02 | 1342 | 61.1 | 15.9 | 30.8 | 34.2 | 19.7 |
| 5-6 PM | 2373 | 0.0 | 425 | 0.0 | 1500 | 1343 | 1030 | 1455+ | 44.11 | 1175 | 62.0 | 17.5 | 30.8 | 34.5 | 21.7 |
| 6-7 PM | 1948 | 0.0 | 348 | 0.0 | OFF | 1948 | 0 | 348 | 6.60 | 288 | 62.8 | 45.3 | 45.3 | 35.4 | 35.4 |
| 7-8 PM | 1640 | 0.0 | 294 | 0.0 | OFF | 1640 | 0 | 294 | 0.00 | 0 | 63.3 | 63.3 | 63.3 | 36.1 | 36.1 |
| 8-9 PM | 1453 | 0.0 | 261 | 0.0 | OFF | 1453 | 0 | 261 | 0.00 | 0 | 63.7 | 63.7 | 63.7 | 36.5 | 36.5 |
| 9-10 PM | 1233 | 0.0 | 221 | 0.0 | OFF | 1233 | 0 | 221 | 0.00 | 0 | 64.1 | 64.1 | 64.1 | 37.0 | 37.0 |
| 10-11 PM | 978 | 0.0 | 175 | 0.0 | OFF | 978 | 0 | 175 | 0.00 | 0 | 64.6 | 64.6 | 64.6 | 37.6 | 37.6 |
| 11PM-MID | 690 | 0.0 | 123 | 0.0 | OFF | 690 | 0 | 123 | 0.00 | 0 | 65.1 | 65.1 | 65.1 | 38.2 | 38.2 |

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

| *----- 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 | 0.1035 |
| MAIN ROUTE WITH WORKS | 0.0791 |
| DIVERSION | 0.3828 |

PIA: Personal Injury Accidents

| IMPACTS ON ROAD USERS | |
|------------------------------------|-----------|
| ROAD USER COSTS PER DAY (DOLLARS) | \$300,770 |
| CONGESTED HOURS PER DAY* | 8 |

*Delays Exceeding 15 Minutes

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

