

**USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: MONONA DR - CTH BW**

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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 | 352 | 0.0 | 30 | 0.0 | 3000 | 352 | 0 | 30 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 1-2 AM | 240 | 0.0 | 20 | 0.0 | 3000 | 240 | 0 | 20 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 2-3 AM | 218 | 0.0 | 19 | 0.0 | 3000 | 218 | 0 | 19 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 3-4 AM | 258 | 0.0 | 11 | 0.0 | 3000 | 258 | 0 | 11 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 4-5 AM | 454 | 0.0 | 24 | 0.0 | 3000 | 454 | 0 | 24 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 5-6 AM | 1637 | 0.0 | 201 | 0.0 | 3000 | 1637 | 0 | 201 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.1 | 29.1 |
| 6-7 AM | 4523 | 0.0 | 566 | 0.0 | 2999 | 3195 | 1328 | 1894+ | 3.54 | 168 | 59.9 | 18.8 | 37.4 | 27.8 | 23.6 |
| 7-8 AM | 5180 | 0.0 | 1032 | 0.0 | 3000 | 3040 | 2140 | 3172+ | 4.77 | 239 | 55.5 | 15.8 | 37.3 | 26.2 | 19.4 |
| 8-9 AM | 3909 | 0.0 | 682 | 0.0 | 2999 | 2896 | 1013 | 1695+ | 3.35 | 153 | 60.2 | 19.3 | 37.8 | 27.4 | 24.2 |
| 9-10 AM | 3082 | 0.0 | 428 | 0.0 | 2999 | 2958 | 124 | 552 | 2.52 | 106 | 60.2 | 22.4 | 37.3 | 28.3 | 27.9 |
| 10-11 AM | 2957 | 0.0 | 410 | 0.0 | 3000 | 2957 | 0 | 410 | 1.86 | 69 | 60.2 | 26.8 | 37.3 | 28.4 | 28.4 |
| 11A-NOON | 3008 | 0.0 | 552 | 0.0 | 3000 | 3008 | 0 | 552 | 1.34 | 40 | 60.2 | 31.7 | 37.3 | 27.9 | 27.9 |
| NOON-1PM | 3261 | 0.0 | 749 | 0.0 | 3000 | 3061 | 200 | 949 | 2.76 | 120 | 60.2 | 21.2 | 37.5 | 27.2 | 26.6 |
| 1-2 PM | 3278 | 0.0 | 596 | 0.0 | 3000 | 3005 | 273 | 869 | 2.77 | 119 | 60.2 | 21.1 | 37.3 | 27.7 | 26.8 |
| 2-3 PM | 3395 | 0.0 | 510 | 0.0 | 3000 | 3004 | 391 | 901 | 2.79 | 120 | 60.2 | 21.1 | 37.3 | 28.0 | 26.7 |
| 3-4 PM | 3713 | 0.0 | 553 | 0.0 | 3000 | 3015 | 698 | 1251+ | 3.01 | 133 | 60.2 | 20.2 | 37.3 | 27.9 | 25.6 |
| 4-5 PM | 4037 | 0.0 | 618 | 0.0 | 3000 | 3010 | 1027 | 1645+ | 3.29 | 148 | 60.2 | 19.4 | 37.3 | 27.6 | 24.4 |
| 5-6 PM | 3689 | 0.0 | 568 | 0.0 | 2999 | 2976 | 713 | 1281+ | 3.03 | 134 | 60.2 | 20.2 | 37.3 | 27.8 | 25.5 |
| 6-7 PM | 2897 | 0.0 | 397 | 0.0 | 2999 | 2832 | 65 | 462 | 1.63 | 73 | 60.2 | 28.8 | 39.2 | 28.4 | 28.2 |
| 7-8 PM | 2152 | 0.0 | 313 | 0.0 | 3000 | 2152 | 0 | 313 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 28.7 | 28.7 |
| 8-9 PM | 1873 | 0.0 | 250 | 0.0 | 3000 | 1873 | 0 | 250 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 28.9 | 28.9 |
| 9-10 PM | 1598 | 0.0 | 178 | 0.0 | 3000 | 1598 | 0 | 178 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.2 | 29.2 |
| 10-11 PM | 1108 | 0.0 | 112 | 0.0 | 3000 | 1108 | 0 | 112 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.4 | 29.4 |
| 11PM-MID | 670 | 0.0 | 67 | 0.0 | 3000 | 670 | 0 | 67 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.6 | 29.6 |

+ 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 | 0.0137 |
| MAIN ROUTE WITH WORKS | 0.0085 |
| DIVERSION | 0.0448 |

PIA: Personal Injury Accidents

| IMPACTS ON ROAD USERS | |
|------------------------------------|----------|
| ROAD USER COSTS PER DAY (DOLLARS) | \$32,245 |
| CONGESTED HOURS PER DAY* | 0 |

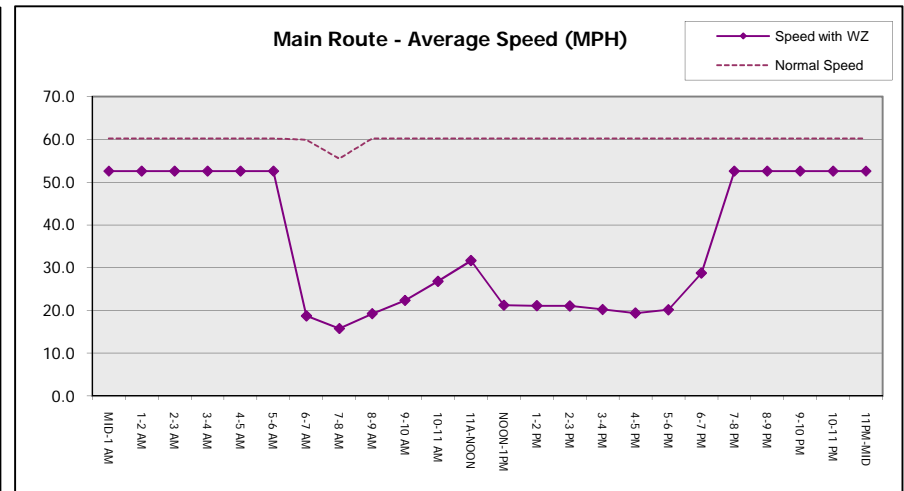
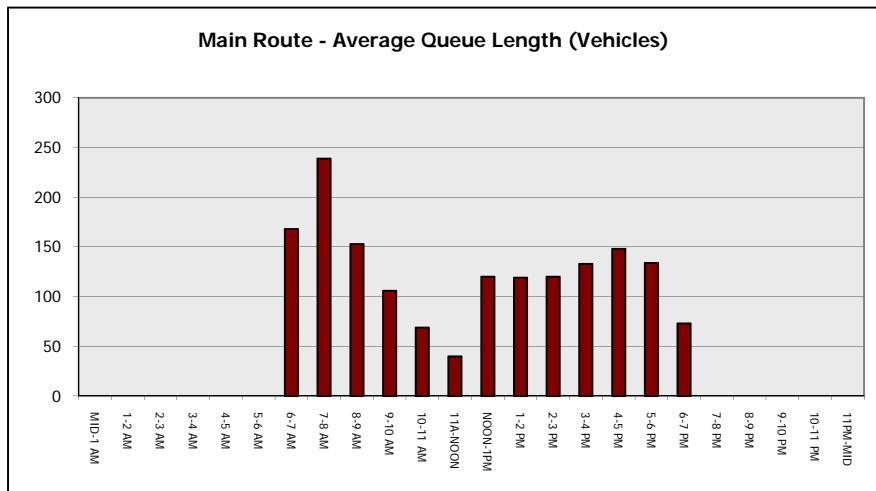
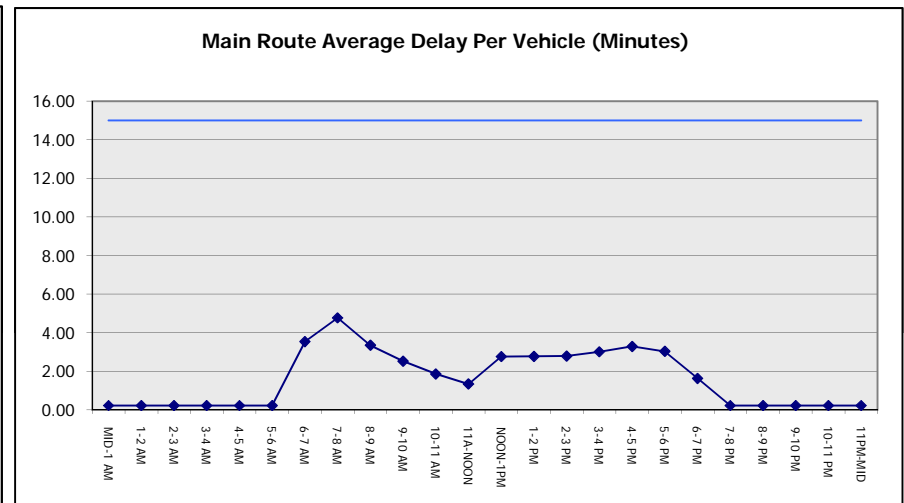
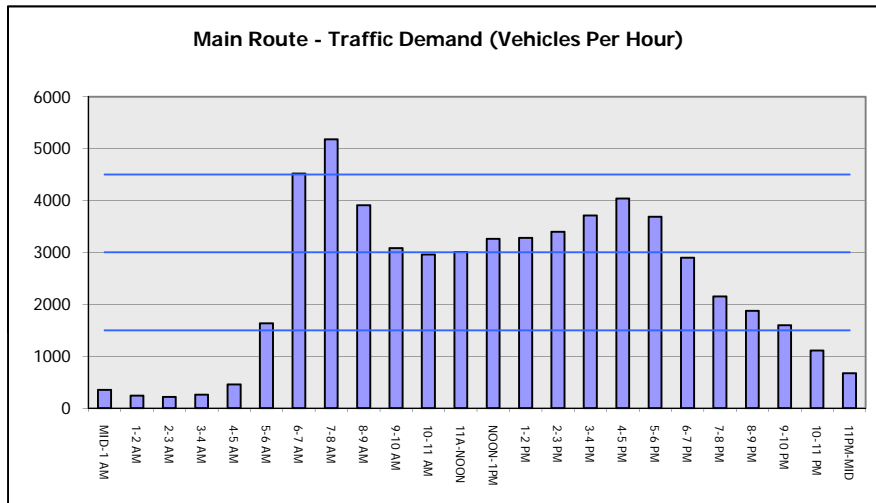
*Delays Exceeding 15 Minutes

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: MONONA DR - CTH BW

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



| | |
|--|--|
| USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW | MAY |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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 | | SITE | ALTERNATE ROUTE | |
| | DEMAND FLOW | PCT HEAVY | NORMAL FLOW | PCT HEAVY | | | | | | | WITHOUT WORK ZN | WITH WORK ZN | | WITHOUT WORK ZN | WITH WORK ZN |
| MID-1 AM | 361 | 0.0 | 25 | 0.0 | 3000 | 361 | 0 | 25 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 1-2 AM | 244 | 0.0 | 20 | 0.0 | 3000 | 244 | 0 | 20 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 2-3 AM | 207 | 0.0 | 12 | 0.0 | 3000 | 207 | 0 | 12 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 3-4 AM | 213 | 0.0 | 8 | 0.0 | 3000 | 213 | 0 | 8 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.8 | 29.8 |
| 4-5 AM | 446 | 0.0 | 16 | 0.0 | 3000 | 446 | 0 | 16 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.7 | 29.7 |
| 5-6 AM | 1258 | 0.0 | 59 | 0.0 | 3000 | 1258 | 0 | 59 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.6 | 29.6 |
| 6-7 AM | 2916 | 0.0 | 144 | 0.0 | 2999 | 2916 | 0 | 144 | 0.87 | 33 | 60.2 | 38.1 | 41.3 | 29.3 | 29.3 |
| 7-8 AM | 4091 | 0.0 | 247 | 0.0 | 2999 | 3005 | 1086 | 1332+ | 3.07 | 136 | 60.2 | 20.1 | 37.3 | 28.9 | 25.3 |
| 8-9 AM | 3383 | 0.0 | 258 | 0.0 | 2999 | 2967 | 415 | 673 | 2.67 | 114 | 60.2 | 21.7 | 37.4 | 28.9 | 27.4 |
| 9-10 AM | 2814 | 0.0 | 278 | 0.0 | 2999 | 2813 | 1 | 279 | 1.10 | 41 | 60.2 | 34.7 | 39.4 | 28.8 | 28.8 |
| 10-11 AM | 2917 | 0.0 | 327 | 0.0 | 2999 | 2917 | 0 | 327 | 0.57 | 0 | 60.2 | 43.6 | 38.6 | 28.6 | 28.6 |
| 11A-NOON | 3279 | 0.0 | 525 | 0.0 | 2999 | 3123 | 155 | 680 | 2.09 | 86 | 60.2 | 25.2 | 37.3 | 27.9 | 27.4 |
| NOON-1PM | 3422 | 0.0 | 579 | 0.0 | 2999 | 3002 | 420 | 999 | 2.85 | 124 | 60.2 | 20.9 | 37.3 | 27.8 | 26.4 |
| 1-2 PM | 3548 | 0.0 | 461 | 0.0 | 2999 | 3003 | 545 | 1006 | 2.86 | 124 | 60.2 | 20.8 | 37.3 | 28.2 | 26.4 |
| 2-3 PM | 4138 | 0.0 | 479 | 0.0 | 3000 | 3034 | 1104 | 1584+ | 3.25 | 146 | 60.2 | 19.5 | 37.3 | 28.1 | 24.5 |
| 3-4 PM | 5108 | 0.0 | 728 | 0.0 | 3000 | 3075 | 2033 | 2761+ | 4.28 | 211 | 56.0 | 16.7 | 37.3 | 27.3 | 20.7 |
| 4-5 PM | 5654 | 0.0 | 992 | 0.0 | 3000 | 3038 | 2616 | 3608+ | 5.27 | 274 | 52.2 | 14.9 | 37.3 | 26.3 | 18.1 |
| 5-6 PM | 4992 | 0.0 | 752 | 0.0 | 2999 | 2904 | 2089 | 2841+ | 4.40 | 218 | 56.8 | 16.5 | 37.4 | 27.1 | 20.4 |
| 6-7 PM | 3261 | 0.0 | 386 | 0.0 | 2999 | 2893 | 369 | 754 | 2.57 | 111 | 60.2 | 22.3 | 37.7 | 28.4 | 27.3 |
| 7-8 PM | 2332 | 0.0 | 289 | 0.0 | 3000 | 2331 | 0 | 289 | 0.32 | 5 | 60.2 | 49.7 | 48.2 | 28.8 | 28.8 |
| 8-9 PM | 2020 | 0.0 | 230 | 0.0 | 3000 | 2020 | 0 | 230 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.0 | 29.0 |
| 9-10 PM | 1597 | 0.0 | 166 | 0.0 | 3000 | 1597 | 0 | 166 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.2 | 29.2 |
| 10-11 PM | 1159 | 0.0 | 102 | 0.0 | 3000 | 1159 | 0 | 102 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.4 | 29.4 |
| 11PM-MID | 688 | 0.0 | 50 | 0.0 | 3000 | 688 | 0 | 50 | 0.22 | 0 | 60.2 | 52.6 | 49.7 | 29.6 | 29.6 |

+ 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 | 0.0143 |
| MAIN ROUTE WITH WORKS | 0.0085 |
| DIVERSION | 0.0477 |

PIA: Personal Injury Accidents

| IMPACTS ON ROAD USERS | |
|------------------------------------|----------|
| ROAD USER COSTS PER DAY (DOLLARS) | \$35,050 |
| CONGESTED HOURS PER DAY* | 0 |

*Delays Exceeding 15 Minutes

**USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: MONONA DR - CTH BW**

MAY
 Analyzed for 2009
 Construction Season

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

