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|---|--|
| IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | AUGUST |
| | 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 | | 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 | 816 | 0.0 | 1500 | 816 | 0 | 0.63 | 36 | 70.2 | 40.6 | 45.3 | |
| 1-2 AM | 487 | 0.0 | 1500 | 487 | 0 | 0.22 | 0 | 70.2 | 56.0 | 46.9 | |
| 2-3 AM | 427 | 0.0 | 1500 | 427 | 0 | 0.21 | 0 | 70.2 | 56.1 | 47.3 | |
| 3-4 AM | 484 | 0.0 | 1500 | 484 | 0 | 0.22 | 0 | 70.2 | 56.0 | 47.0 | |
| 4-5 AM | 766 | 0.0 | 1500 | 766 | 0 | 0.24 | 0 | 70.2 | 55.0 | 45.8 | |
| 5-6 AM | 2080 | 0.0 | OFF | 2080 | 0 | 0.00 | 0 | 69.4 | 69.4 | 69.4 | |
| 6-7 AM | 4074 | 0.0 | OFF | 4074 | 0 | 0.00 | 0 | 64.3 | 64.3 | 64.3 | |
| 7-8 AM | 4645 | 0.0 | OFF | 4645 | 0 | 0.00 | 0 | 60.4 | 60.4 | 60.4 | |
| 8-9 AM | 3875 | 0.0 | OFF | 3875 | 0 | 0.00 | 0 | 65.7 | 65.7 | 65.7 | |
| 9-10 AM | 3311 | 0.0 | OFF | 3311 | 0 | 0.00 | 0 | 67.9 | 67.9 | 67.9 | |
| 10-11 AM | 3388 | 0.0 | OFF | 3388 | 0 | 0.00 | 0 | 67.8 | 67.8 | 67.8 | |
| 11AM-NOON | 3468 | 0.0 | OFF | 3468 | 0 | 0.00 | 0 | 67.8 | 67.8 | 67.8 | |
| NOON-1PM | 3382 | 0.0 | OFF | 3382 | 0 | 0.00 | 0 | 67.8 | 67.8 | 67.8 | |
| 1-2 PM | 3324 | 0.0 | OFF | 3324 | 0 | 0.00 | 0 | 67.9 | 67.9 | 67.9 | |
| 2-3 PM | 3880 | 0.0 | OFF | 3880 | 0 | 0.00 | 0 | 65.6 | 65.6 | 65.6 | |
| 3-4 PM | 4166 | 0.0 | OFF | 4166 | 0 | 0.00 | 0 | 63.7 | 63.7 | 63.7 | |
| 4-5 PM | 4037 | 0.0 | OFF | 4037 | 0 | 0.00 | 0 | 64.6 | 64.6 | 64.6 | |
| 5-6 PM | 3785 | 0.0 | OFF | 3785 | 0 | 0.00 | 0 | 66.3 | 66.3 | 66.3 | |
| 6-7 PM | 3126 | 0.0 | OFF | 3126 | 0 | 0.00 | 0 | 68.1 | 68.1 | 68.1 | |
| 7-8 PM | 2486 | 0.0 | 1499 | 1912 | 574 | 13.45+ | 345 | 68.9 | 6.0 | 33.7 | |
| 8-9 PM | 2075 | 0.0 | 1499 | 1501 | 574 | 16.57+ | 420 | 69.4 | 5.5 | 32.5 | |
| 9-10 PM | 2033 | 0.0 | 1500 | 1501 | 532 | 16.56+ | 420 | 69.5 | 5.5 | 32.5 | |
| 10-11 PM | 1692 | 0.0 | 1500 | 1501 | 192 | 16.55+ | 419 | 69.9 | 5.5 | 32.5 | |
| 11PM-MID | 1291 | 0.0 | 1499 | 1291 | 0 | 13.20+ | 337 | 70.2 | 6.1 | 32.6 | |

"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 |

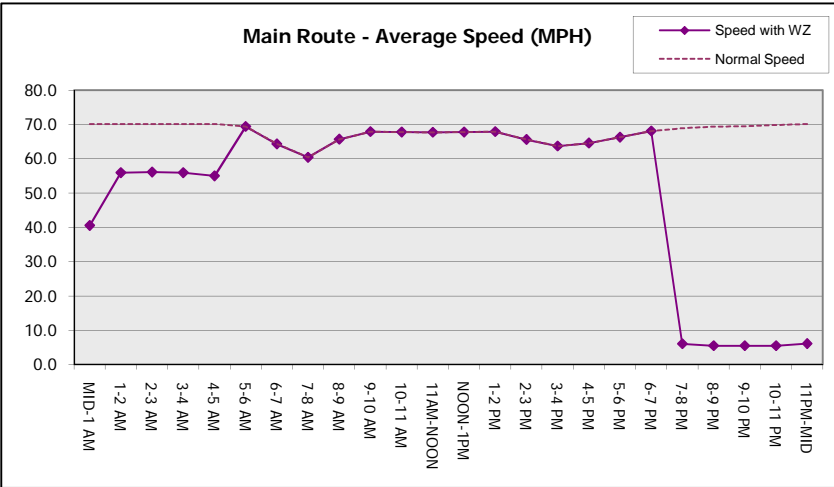
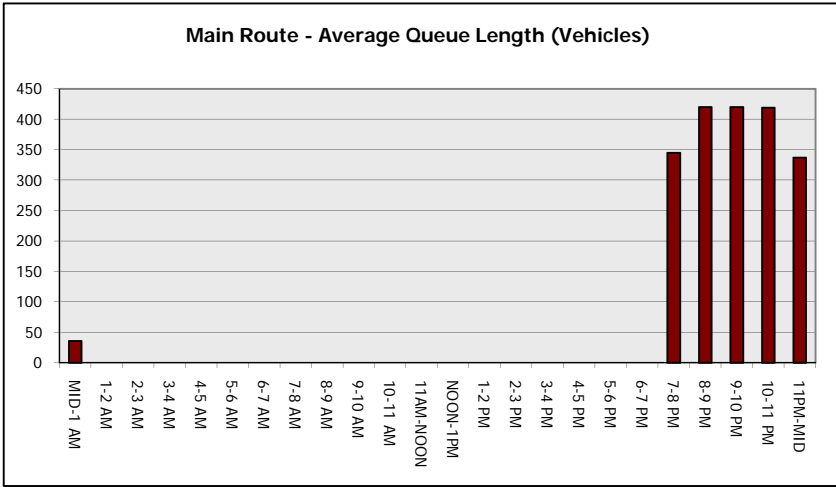
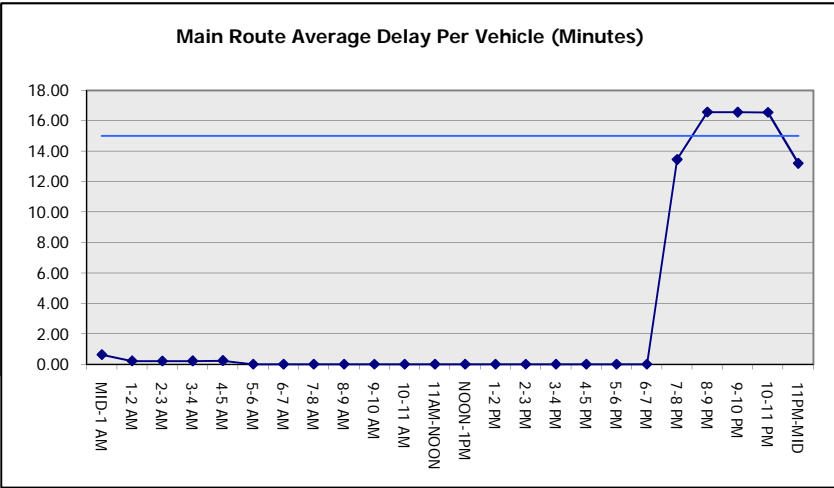
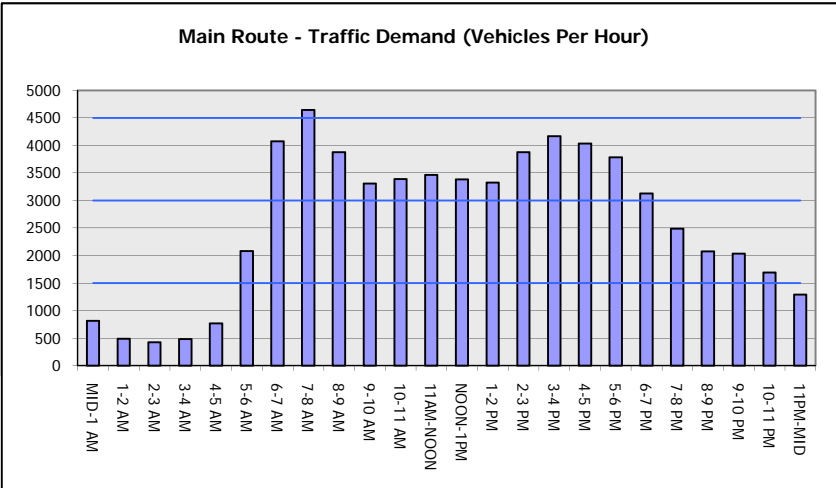
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) | |
|------------------------------------|----------|
| MAIN ROUTE WITHOUT WORKS | 0.0100 |
| MAIN ROUTE WITH WORKS | 0.0086 |
| 'DIVERSION' | 0.0007 |
| PIA: Personal Injury Accidents | |
| IMPACTS ON ROAD USERS | |
| ROAD USER COSTS PER DAY | \$33,880 |
| CONGESTED HOURS PER DAY* | 5 |

*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST
 Analyzed for 2009
 Construction Season

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



| | |
|---|--|
| IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | AUGUST |
| | 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 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 | 727 | 0.0 | 1500 | 727 | 0 | 0.50 | 25 | 70.2 | 44.3 | 45.8 | |
| 1-2 AM | 479 | 0.0 | 1500 | 479 | 0 | 0.22 | 0 | 70.2 | 56.0 | 47.0 | |
| 2-3 AM | 446 | 0.0 | 1500 | 446 | 0 | 0.22 | 0 | 70.2 | 56.1 | 47.1 | |
| 3-4 AM | 537 | 0.0 | 1500 | 537 | 0 | 0.22 | 0 | 70.2 | 55.8 | 46.8 | |
| 4-5 AM | 1132 | 0.0 | 1499 | 1132 | 0 | 0.33 | 0 | 70.2 | 50.7 | 40.4 | |
| 5-6 AM | 2459 | 0.0 | OFF | 2459 | 0 | 0.00 | 0 | 69.0 | 69.0 | 69.0 | |
| 6-7 AM | 3516 | 0.0 | OFF | 3516 | 0 | 0.00 | 0 | 67.7 | 67.7 | 67.7 | |
| 7-8 AM | 3612 | 0.0 | OFF | 3612 | 0 | 0.00 | 0 | 67.5 | 67.5 | 67.5 | |
| 8-9 AM | 3323 | 0.0 | OFF | 3323 | 0 | 0.00 | 0 | 67.9 | 67.9 | 67.9 | |
| 9-10 AM | 3221 | 0.0 | OFF | 3221 | 0 | 0.00 | 0 | 68.1 | 68.1 | 68.1 | |
| 10-11 AM | 3033 | 0.0 | OFF | 3033 | 0 | 0.00 | 0 | 68.2 | 68.2 | 68.2 | |
| 11AM-NOON | 3213 | 0.0 | OFF | 3213 | 0 | 0.00 | 0 | 68.1 | 68.1 | 68.1 | |
| NOON-1PM | 3449 | 0.0 | OFF | 3449 | 0 | 0.00 | 0 | 67.8 | 67.8 | 67.8 | |
| 1-2 PM | 3473 | 0.0 | OFF | 3473 | 0 | 0.00 | 0 | 67.8 | 67.8 | 67.8 | |
| 2-3 PM | 4200 | 0.0 | OFF | 4200 | 0 | 0.00 | 0 | 63.5 | 63.5 | 63.5 | |
| 3-4 PM | 4583 | 0.0 | OFF | 4583 | 0 | 0.00 | 0 | 60.9 | 60.9 | 60.9 | |
| 4-5 PM | 4997 | 0.0 | OFF | 4997 | 0 | 0.00 | 0 | 58.0 | 58.0 | 58.0 | |
| 5-6 PM | 4961 | 0.0 | OFF | 4961 | 0 | 0.00 | 0 | 58.2 | 58.2 | 58.2 | |
| 6-7 PM | 3799 | 0.0 | OFF | 3799 | 0 | 0.00 | 0 | 66.2 | 66.2 | 66.2 | |
| 7-8 PM | 2747 | 0.0 | 1499 | 1683 | 1064 | 15.11+ | 389 | 68.6 | 5.7 | 38.3 | |
| 8-9 PM | 2358 | 0.0 | 1499 | 1739 | 619 | 15.30+ | 393 | 69.1 | 5.7 | 33.2 | |
| 9-10 PM | 2197 | 0.0 | 1499 | 1500 | 697 | 16.57+ | 420 | 69.3 | 5.5 | 32.5 | |
| 10-11 PM | 1803 | 0.0 | 1500 | 1500 | 304 | 16.55+ | 419 | 69.8 | 5.5 | 32.5 | |
| 11PM-MID | 1263 | 0.0 | 1499 | 1263 | 0 | 13.08+ | 336 | 70.2 | 6.1 | 33.0 | |

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

| | |
|--|------|
| 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 |

| | |
|--|---|
| 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 |

| | |
|--------------------------|--------|
| MAIN ROUTE WITHOUT WORKS | 0.0104 |
| MAIN ROUTE WITH WORKS | 0.0088 |
| 'DIVERSION' | 0.0010 |

PIA: Personal Injury Accidents

| | |
|--------------------------|----------|
| ROAD USER COSTS PER DAY | \$37,067 |
| CONGESTED HOURS PER DAY* | 5 |

*Delays Exceeding User-Specified Maximum

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

