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| IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | AUGUST |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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 | 913 | 0.0 | 3000 | 913 | 0 | 0.35 | 0 | 69.6 | 58.2 | 49.7 |
| 1-2 AM | 704 | 0.0 | 3000 | 704 | 0 | 0.36 | 0 | 69.9 | 58.4 | 49.7 |
| 2-3 AM | 559 | 0.0 | 3000 | 559 | 0 | 0.36 | 0 | 70.0 | 58.4 | 49.7 |
| 3-4 AM | 389 | 0.0 | 3000 | 389 | 0 | 0.36 | 0 | 70.2 | 58.5 | 49.7 |
| 4-5 AM | 805 | 0.0 | 3000 | 805 | 0 | 0.35 | 0 | 69.7 | 58.3 | 49.7 |
| 5-6 AM | 2033 | 0.0 | OFF | 2033 | 0 | 0.00 | 0 | 68.2 | 68.2 | 68.2 |
| 6-7 AM | 4123 | 0.0 | OFF | 4123 | 0 | 0.00 | 0 | 62.7 | 62.7 | 62.7 |
| 7-8 AM | 5469 | 0.0 | OFF | 5469 | 0 | 0.00 | 0 | 53.5 | 53.5 | 53.5 |
| 8-9 AM | 4764 | 0.0 | OFF | 4764 | 0 | 0.00 | 0 | 58.3 | 58.3 | 58.3 |
| 9-10 AM | 4237 | 0.0 | OFF | 4237 | 0 | 0.00 | 0 | 61.9 | 61.9 | 61.9 |
| 10-11 AM | 4398 | 0.0 | OFF | 4398 | 0 | 0.00 | 0 | 60.8 | 60.8 | 60.8 |
| 11AM-NOON | 4806 | 0.0 | OFF | 4806 | 0 | 0.00 | 0 | 58.0 | 58.0 | 58.0 |
| NOON-1PM | 4999 | 0.0 | OFF | 4999 | 0 | 0.00 | 0 | 56.7 | 56.7 | 56.7 |
| 1-2 PM | 5100 | 0.0 | OFF | 5100 | 0 | 0.00 | 0 | 56.0 | 56.0 | 56.0 |
| 2-3 PM | 5512 | 0.0 | OFF | 5512 | 0 | 0.00 | 0 | 53.2 | 53.2 | 53.2 |
| 3-4 PM | 5442 | 0.0 | OFF | 5442 | 0 | 0.00 | 0 | 53.7 | 53.7 | 53.7 |
| 4-5 PM | 5279 | 0.0 | OFF | 5279 | 0 | 0.00 | 0 | 54.8 | 54.8 | 54.8 |
| 5-6 PM | 4680 | 0.0 | OFF | 4680 | 0 | 0.00 | 0 | 58.9 | 58.9 | 58.9 |
| 6-7 PM | 4456 | 0.0 | OFF | 4456 | 0 | 0.00 | 0 | 60.4 | 60.4 | 60.4 |
| 7-8 PM | 3472 | 0.0 | 2999 | 3472 | 0 | 5.31 | 282 | 66.4 | 18.3 | 37.3 |
| 8-9 PM | 2978 | 0.0 | 2999 | 2978 | 0 | 9.32 | 473 | 67.0 | 13.1 | 37.3 |
| 9-10 PM | 3067 | 0.0 | 3000 | 3067 | 0 | 9.45 | 481 | 66.9 | 13.0 | 37.3 |
| 10-11 PM | 3044 | 0.0 | 3000 | 3044 | 0 | 10.89 | 560 | 66.9 | 12.2 | 37.3 |
| 11PM-MID | 2369 | 0.0 | 2999 | 2369 | 0 | 4.50 | 314 | 67.8 | 21.3 | 43.2 |

"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 |

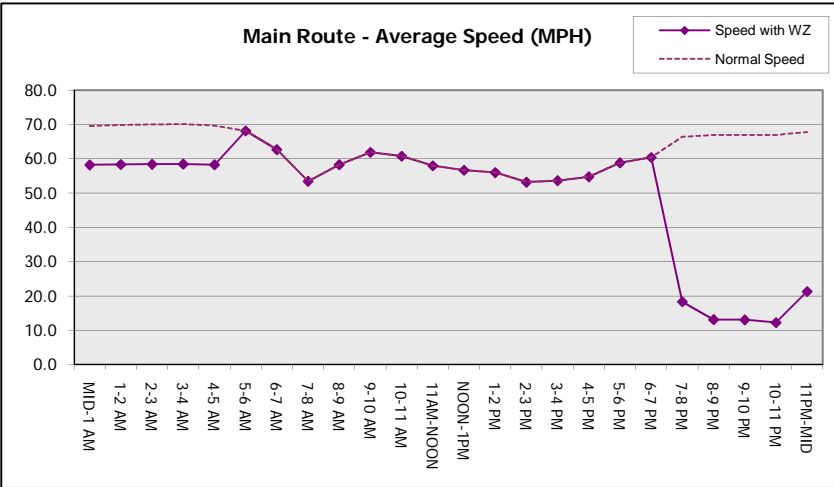
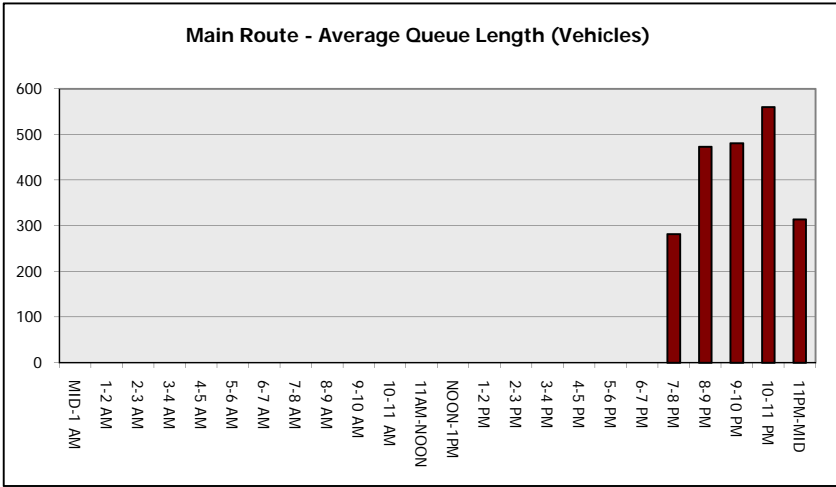
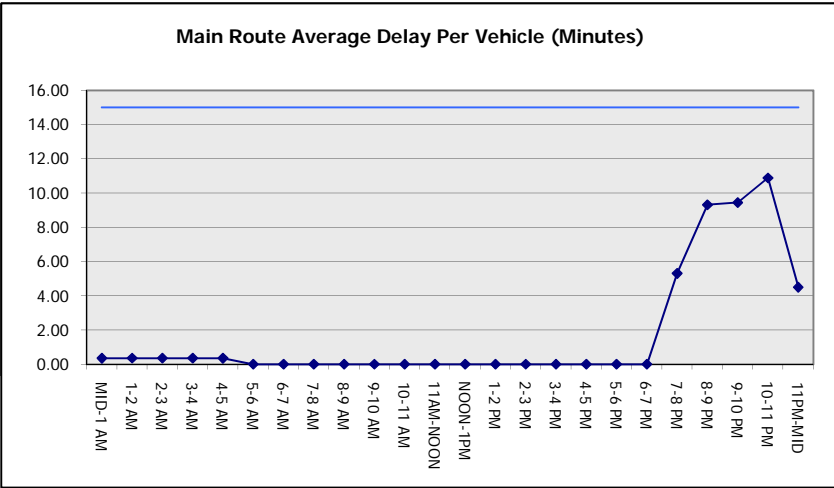
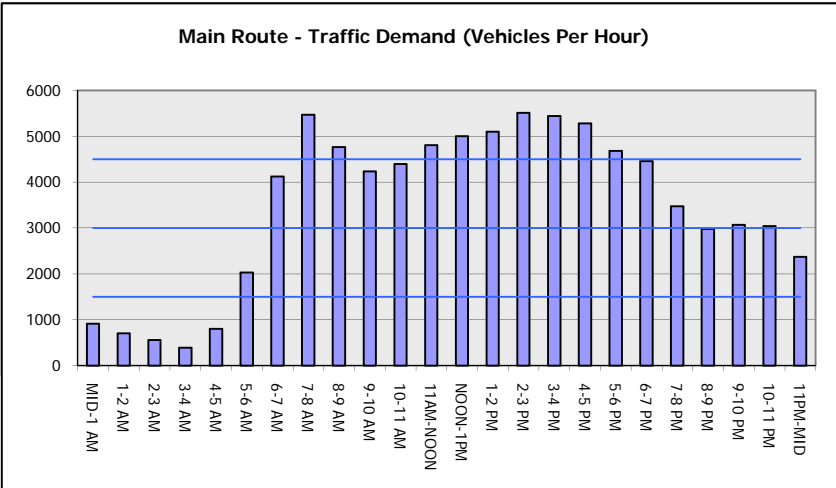
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) | |
|------------------------------------|----------|
| MAIN ROUTE WITHOUT WORKS | 0.0279 |
| MAIN ROUTE WITH WORKS | 0.0267 |
| 'DIVERSION' | 0.0000 |
| PIA: Personal Injury Accidents | |
| IMPACTS ON ROAD USERS | |
| ROAD USER COSTS PER DAY | \$29,833 |
| CONGESTED HOURS PER DAY* | 0 |

*Delays Exceeding User-Specified Maximum

**IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD) | AUGUST |
| | Analyzed for 2009 Construction Season |

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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 | 379 | 0.0 | 3000 | 379 | 0 | 0.36 | 0 | 70.2 | 58.5 | 49.7 |
| 1-2 AM | 244 | 0.0 | 3000 | 244 | 0 | 0.36 | 0 | 70.2 | 58.5 | 49.7 |
| 2-3 AM | 205 | 0.0 | 3000 | 205 | 0 | 0.36 | 0 | 70.2 | 58.5 | 49.7 |
| 3-4 AM | 308 | 0.0 | 3000 | 308 | 0 | 0.36 | 0 | 70.2 | 58.5 | 49.7 |
| 4-5 AM | 601 | 0.0 | 3000 | 601 | 0 | 0.36 | 0 | 70.0 | 58.4 | 49.7 |
| 5-6 AM | 1947 | 0.0 | OFF | 1947 | 0 | 0.00 | 0 | 68.3 | 68.3 | 68.3 |
| 6-7 AM | 4016 | 0.0 | OFF | 4016 | 0 | 0.00 | 0 | 63.4 | 63.4 | 63.4 |
| 7-8 AM | 4612 | 0.0 | OFF | 4612 | 0 | 0.00 | 0 | 59.4 | 59.4 | 59.4 |
| 8-9 AM | 4227 | 0.0 | OFF | 4227 | 0 | 0.00 | 0 | 62.0 | 62.0 | 62.0 |
| 9-10 AM | 3546 | 0.0 | OFF | 3546 | 0 | 0.00 | 0 | 66.3 | 66.3 | 66.3 |
| 10-11 AM | 3427 | 0.0 | OFF | 3427 | 0 | 0.00 | 0 | 66.4 | 66.4 | 66.4 |
| 11AM-NOON | 3682 | 0.0 | OFF | 3682 | 0 | 0.00 | 0 | 65.7 | 65.7 | 65.7 |
| NOON-1PM | 3695 | 0.0 | OFF | 3695 | 0 | 0.00 | 0 | 65.6 | 65.6 | 65.6 |
| 1-2 PM | 3926 | 0.0 | OFF | 3926 | 0 | 0.00 | 0 | 64.0 | 64.0 | 64.0 |
| 2-3 PM | 3963 | 0.0 | OFF | 3963 | 0 | 0.00 | 0 | 63.8 | 63.8 | 63.8 |
| 3-4 PM | 3960 | 0.0 | OFF | 3960 | 0 | 0.00 | 0 | 63.8 | 63.8 | 63.8 |
| 4-5 PM | 3997 | 0.0 | OFF | 3997 | 0 | 0.00 | 0 | 63.5 | 63.5 | 63.5 |
| 5-6 PM | 3865 | 0.0 | OFF | 3865 | 0 | 0.00 | 0 | 64.5 | 64.5 | 64.5 |
| 6-7 PM | 3816 | 0.0 | OFF | 3816 | 0 | 0.00 | 0 | 64.8 | 64.8 | 64.8 |
| 7-8 PM | 3392 | 0.0 | 2999 | 3392 | 0 | 4.35 | 225 | 66.5 | 20.6 | 37.3 |
| 8-9 PM | 2886 | 0.0 | 2999 | 2886 | 0 | 7.00 | 346 | 67.1 | 15.1 | 37.3 |
| 9-10 PM | 3028 | 0.0 | 3000 | 3028 | 0 | 6.09 | 295 | 66.9 | 16.2 | 37.3 |
| 10-11 PM | 2785 | 0.0 | 2999 | 2785 | 0 | 4.73 | 231 | 67.3 | 19.3 | 38.1 |
| 11PM-MID | 1970 | 0.0 | 3000 | 1970 | 0 | 0.41 | 5 | 68.3 | 55.8 | 49.7 |

"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 | 0.0229 |
| MAIN ROUTE WITH WORKS | 0.0218 |
| 'DIVERSION' | 0.0000 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS | |
|-------------------------------|----------|
| ROAD USER COSTS PER DAY | \$16,881 |
| CONGESTED HOURS PER DAY* | 0 |

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION**

