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| IH 794: LINCOLN AVE TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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 | 209 | 0.0 | 1500 | 209 | 0 | 0.50 | 0 | 70.2 | 54.3 | 44.6 | |
| 1-2 AM | 111 | 0.0 | 1500 | 111 | 0 | 0.49 | 0 | 70.2 | 54.6 | 45.0 | |
| 2-3 AM | 92 | 0.0 | 1500 | 92 | 0 | 0.48 | 0 | 70.2 | 54.7 | 45.1 | |
| 3-4 AM | 93 | 0.0 | 1500 | 93 | 0 | 0.48 | 0 | 70.2 | 54.7 | 45.1 | |
| 4-5 AM | 195 | 0.0 | 1500 | 195 | 0 | 0.50 | 0 | 70.2 | 54.4 | 44.7 | |
| 5-6 AM | 834 | 0.0 | 1500 | 834 | 0 | 0.57 | 0 | 69.7 | 52.4 | 42.3 | |
| 6-7 AM | 2152 | 0.0 | 1499 | 2017 | 135 | 7.76+ | 233 | 68.1 | 13.3 | 30.8 | |
| 7-8 AM | 3009 | 0.0 | 1500 | 1468 | 1540 | 16.99+ | 418 | 67.0 | 7.5 | 31.1 | |
| 8-9 AM | 2503 | 0.0 | 1499 | 1482 | 1021 | 16.93+ | 415 | 67.6 | 7.5 | 30.8 | |
| 9-10 AM | 1326 | 0.0 | 1499 | 1216 | 110 | 13.34+ | 330 | 69.1 | 8.6 | 31.2 | |
| 10-11 AM | 1120 | 0.0 | 1499 | 1120 | 0 | 1.59 | 46 | 69.4 | 36.1 | 38.6 | |
| 11AM-NOON | 1191 | 0.0 | 1500 | 1191 | 0 | 0.69 | 0 | 69.2 | 49.4 | 38.8 | |
| NOON-1PM | 1199 | 0.0 | 1500 | 1199 | 0 | 0.71 | 0 | 69.2 | 49.2 | 38.5 | |
| 1-2 PM | 1215 | 0.0 | 1500 | 1215 | 0 | 0.73 | 0 | 69.2 | 48.8 | 38.0 | |
| 2-3 PM | 1280 | 0.0 | 1499 | 1280 | 0 | 0.81 | 0 | 69.1 | 47.1 | 36.1 | |
| 3-4 PM | 1490 | 0.0 | 1499 | 1490 | 0 | 1.19 | 3 | 68.9 | 41.0 | 31.2 | |
| 4-5 PM | 1574 | 0.0 | 1500 | 1574 | 0 | 3.08 | 54 | 68.8 | 24.8 | 30.8 | |
| 5-6 PM | 1351 | 0.0 | 1499 | 1351 | 0 | 1.88 | 33 | 69.1 | 33.1 | 33.1 | |
| 6-7 PM | 1219 | 0.0 | 1500 | 1219 | 0 | 0.73 | 0 | 69.2 | 48.7 | 37.9 | |
| 7-8 PM | 933 | 0.0 | 1500 | 933 | 0 | 0.58 | 0 | 69.6 | 52.1 | 41.9 | |
| 8-9 PM | 719 | 0.0 | 1500 | 719 | 0 | 0.56 | 0 | 69.9 | 52.7 | 42.7 | |
| 9-10 PM | 608 | 0.0 | 1500 | 608 | 0 | 0.54 | 0 | 70.0 | 53.1 | 43.1 | |
| 10-11 PM | 574 | 0.0 | 1500 | 574 | 0 | 0.54 | 0 | 70.0 | 53.2 | 43.2 | |
| 11PM-MID | 396 | 0.0 | 1500 | 396 | 0 | 0.52 | 0 | 70.2 | 53.8 | 43.9 | |

+ 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 |

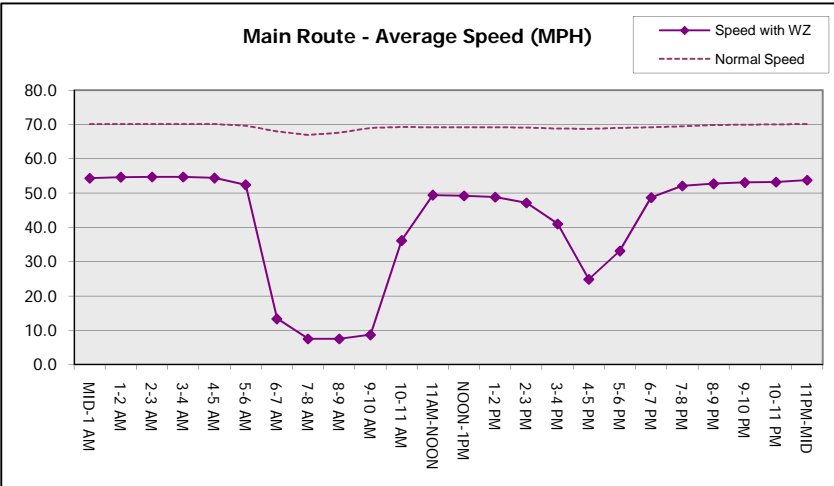
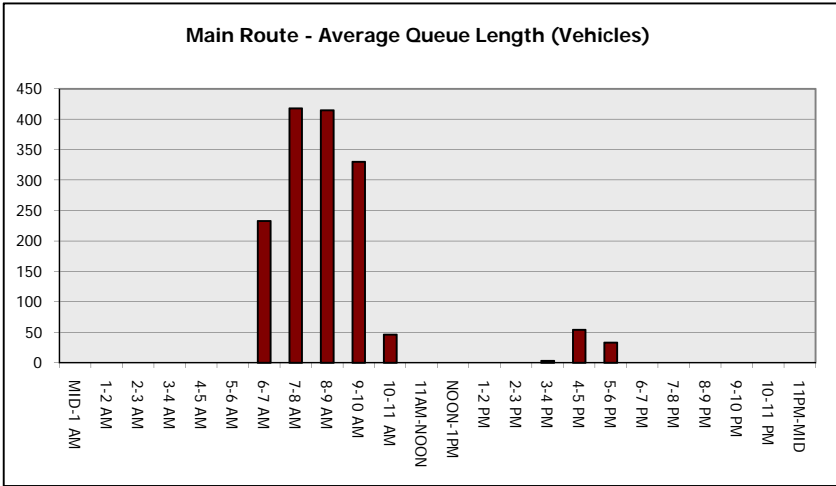
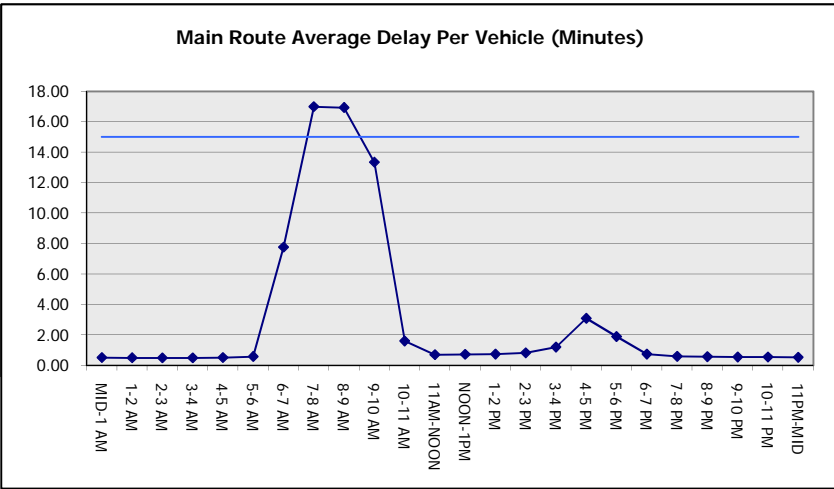
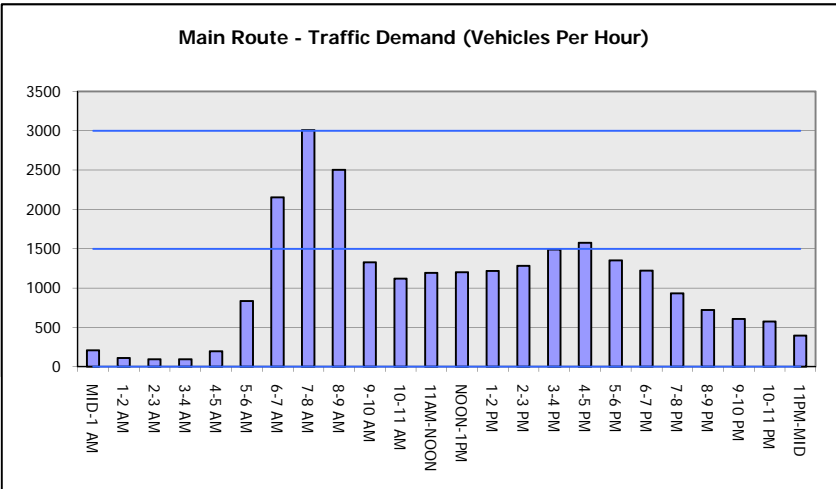
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) | |
|------------------------------------|----------|
| MAIN ROUTE WITHOUT WORKS | 0.0081 |
| MAIN ROUTE WITH WORKS | 0.0057 |
| 'DIVERSION' | 0.0021 |
| PIA: Personal Injury Accidents | |
| IMPACTS ON ROAD USERS | |
| ROAD USER COSTS PER DAY | \$32,063 |
| CONGESTED HOURS PER DAY* | 4 |

*Delays Exceeding User-Specified Maximum

IH 794: LINCOLN AVE TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE 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 794: LINCOLN AVE TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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 | 382 | 0.0 | 1500 | 382 | 0 | 0.52 | 0 | 70.2 | 53.8 | 44.0 |
| 1-2 AM | 206 | 0.0 | 1500 | 206 | 0 | 0.50 | 0 | 70.2 | 54.3 | 44.6 |
| 2-3 AM | 203 | 0.0 | 1500 | 203 | 0 | 0.50 | 0 | 70.2 | 54.3 | 44.6 |
| 3-4 AM | 104 | 0.0 | 1500 | 104 | 0 | 0.48 | 0 | 70.2 | 54.6 | 45.1 |
| 4-5 AM | 151 | 0.0 | 1500 | 151 | 0 | 0.49 | 0 | 70.2 | 54.5 | 44.9 |
| 5-6 AM | 385 | 0.0 | 1500 | 385 | 0 | 0.52 | 0 | 70.2 | 53.8 | 44.0 |
| 6-7 AM | 678 | 0.0 | 1500 | 678 | 0 | 0.55 | 0 | 69.9 | 52.9 | 42.8 |
| 7-8 AM | 758 | 0.0 | 1500 | 758 | 0 | 0.56 | 0 | 69.8 | 52.6 | 42.5 |
| 8-9 AM | 773 | 0.0 | 1500 | 773 | 0 | 0.56 | 0 | 69.8 | 52.6 | 42.5 |
| 9-10 AM | 782 | 0.0 | 1500 | 782 | 0 | 0.56 | 0 | 69.7 | 52.5 | 42.5 |
| 10-11 AM | 831 | 0.0 | 1500 | 831 | 0 | 0.57 | 0 | 69.7 | 52.4 | 42.3 |
| 11AM-NOON | 1140 | 0.0 | 1500 | 1140 | 0 | 0.63 | 0 | 69.3 | 50.9 | 40.4 |
| NOON-1PM | 1256 | 0.0 | 1500 | 1256 | 0 | 0.78 | 0 | 69.2 | 47.8 | 36.8 |
| 1-2 PM | 1335 | 0.0 | 1499 | 1335 | 0 | 0.88 | 0 | 69.1 | 45.8 | 34.6 |
| 2-3 PM | 1611 | 0.0 | 1499 | 1611 | 0 | 1.88 | 29 | 68.7 | 33.1 | 30.9 |
| 3-4 PM | 2307 | 0.0 | 1500 | 1823 | 484 | 13.65+ | 345 | 67.9 | 8.6 | 30.8 |
| 4-5 PM | 2876 | 0.0 | 1499 | 1487 | 1388 | 16.97+ | 416 | 67.1 | 7.5 | 30.8 |
| 5-6 PM | 2866 | 0.0 | 1499 | 1495 | 1371 | 16.97+ | 416 | 67.2 | 7.5 | 30.8 |
| 6-7 PM | 1337 | 0.0 | 1500 | 1299 | 38 | 14.82+ | 366 | 69.1 | 8.1 | 31.2 |
| 7-8 PM | 962 | 0.0 | 1500 | 962 | 0 | 1.50 | 50 | 69.6 | 37.2 | 40.5 |
| 8-9 PM | 876 | 0.0 | 1500 | 876 | 0 | 0.57 | 0 | 69.6 | 52.2 | 42.1 |
| 9-10 PM | 900 | 0.0 | 1500 | 900 | 0 | 0.58 | 0 | 69.6 | 52.2 | 42.0 |
| 10-11 PM | 1035 | 0.0 | 1500 | 1035 | 0 | 0.59 | 0 | 69.4 | 51.7 | 41.5 |
| 11PM-MID | 867 | 0.0 | 1500 | 867 | 0 | 0.57 | 0 | 69.7 | 52.3 | 42.2 |

+ 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 | 0.0078 |
| MAIN ROUTE WITH WORKS | 0.0054 |
| 'DIVERSION' | 0.0024 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS | |
|-------------------------------|----------|
| ROAD USER COSTS PER DAY | \$35,395 |
| CONGESTED HOURS PER DAY* | 4 |

*Delays Exceeding User-Specified Maximum

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AUGUST

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

