

|  |  |
|--|--|
| <b>USH 41: STH 29 TO CTH AAA (BROWN COUNTY)</b><br><b>OFF-PEAK DAY CLOSURE</b><br><b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b> | <b>AUGUST</b>                            |
|  | Analyzed for 2009<br>Construction Season |

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  SOUTHBOUND 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    | 268                          | 0.0       | OFF            | 268        | 0           | 0.00                  | 0                     | 65.9              | 65.9           | 65.9 |
| 1-2 AM      | 203                          | 0.0       | OFF            | 203        | 0           | 0.00                  | 0                     | 66.0              | 66.0           | 66.0 |
| 2-3 AM      | 179                          | 0.0       | OFF            | 179        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |
| 3-4 AM      | 228                          | 0.0       | OFF            | 228        | 0           | 0.00                  | 0                     | 66.0              | 66.0           | 66.0 |
| 4-5 AM      | 511                          | 0.0       | OFF            | 511        | 0           | 0.00                  | 0                     | 65.5              | 65.5           | 65.5 |
| 5-6 AM      | 1512                         | 0.0       | OFF            | 1512       | 0           | 0.00                  | 0                     | 63.6              | 63.6           | 63.6 |
| 6-7 AM      | 2905                         | 0.0       | OFF            | 2905       | 0           | 0.00                  | 0                     | 56.8              | 56.8           | 56.8 |
| 7-8 AM      | 3663                         | 0.0       | OFF            | 3663       | 0           | 0.00                  | 0                     | 49.0              | 49.0           | 49.0 |
| 8-9 AM      | 2343                         | 0.0       | OFF            | 2343       | 0           | 0.00                  | 0                     | 62.0              | 62.0           | 62.0 |
| 9-10 AM     | 2039                         | 0.0       | OFF            | 2039       | 0           | 0.00                  | 0                     | 62.6              | 62.6           | 62.6 |
| 10-11 AM    | 2140                         | 0.0       | 1499           | 1860       | 280         | 9.75+                 | 270                   | 62.4              | 20.1           | 30.8 |
| 11AM-NOON   | 2291                         | 0.0       | 1499           | 1500       | 791         | 15.75+                | 399                   | 62.1              | 14.1           | 30.8 |
| NOON-1PM    | 2451                         | 0.0       | 1500           | 1500       | 951         | 15.69+                | 400                   | 61.4              | 14.1           | 30.8 |
| 1-2 PM      | 2589                         | 0.0       | 1500           | 1500       | 1089        | 15.58+                | 400                   | 60.0              | 14.1           | 30.8 |
| 2-3 PM      | 2767                         | 0.0       | 1500           | 1500       | 1267        | 15.43+                | 400                   | 58.1              | 14.1           | 30.8 |
| 3-4 PM      | 3141                         | 0.0       | OFF            | 3141       | 0           | 1.51                  | 75                    | 54.3              | 42.2           | 42.2 |
| 4-5 PM      | 3769                         | 0.0       | OFF            | 3769       | 0           | 0.00                  | 0                     | 47.9              | 47.9           | 47.9 |
| 5-6 PM      | 3477                         | 0.0       | OFF            | 3477       | 0           | 0.00                  | 0                     | 50.9              | 50.9           | 50.9 |
| 6-7 PM      | 2053                         | 0.0       | OFF            | 2053       | 0           | 0.00                  | 0                     | 62.5              | 62.5           | 62.5 |
| 7-8 PM      | 1442                         | 0.0       | OFF            | 1442       | 0           | 0.00                  | 0                     | 63.7              | 63.7           | 63.7 |
| 8-9 PM      | 1316                         | 0.0       | OFF            | 1316       | 0           | 0.00                  | 0                     | 64.0              | 64.0           | 64.0 |
| 9-10 PM     | 1157                         | 0.0       | OFF            | 1157       | 0           | 0.00                  | 0                     | 64.2              | 64.2           | 64.2 |
| 10-11 PM    | 970                          | 0.0       | OFF            | 970        | 0           | 0.00                  | 0                     | 64.6              | 64.6           | 64.6 |
| 11PM-MID    | 592                          | 0.0       | OFF            | 592        | 0           | 0.00                  | 0                     | 65.3              | 65.3           | 65.3 |

"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 |

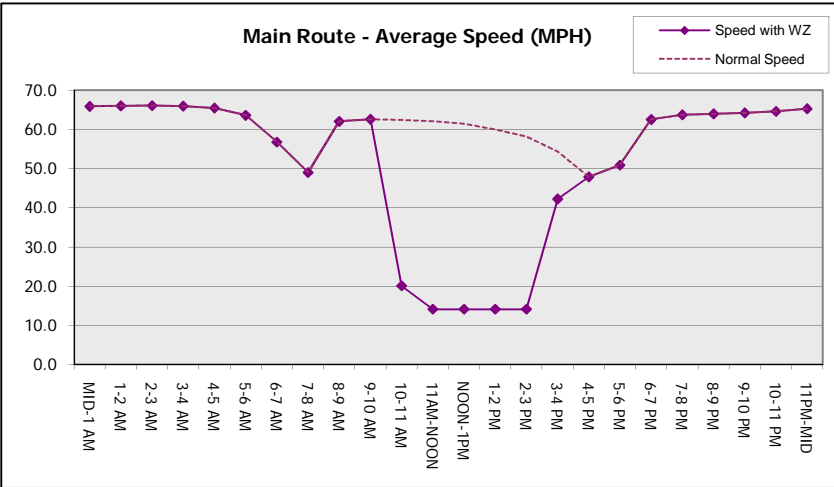
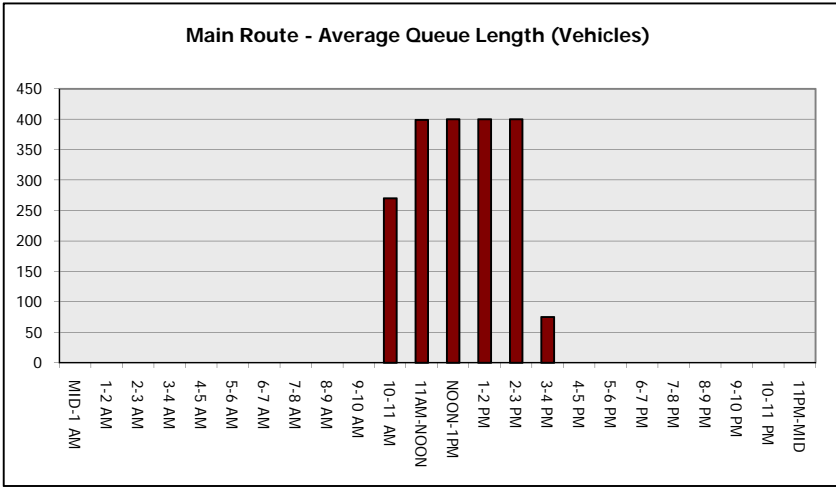
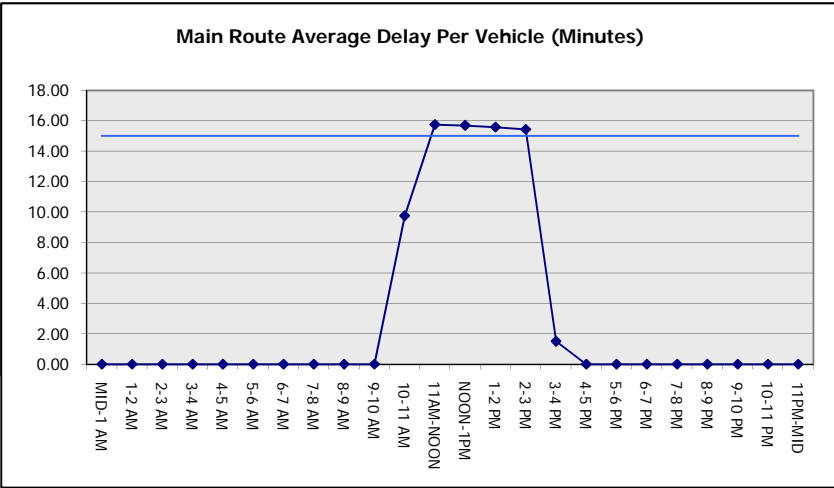
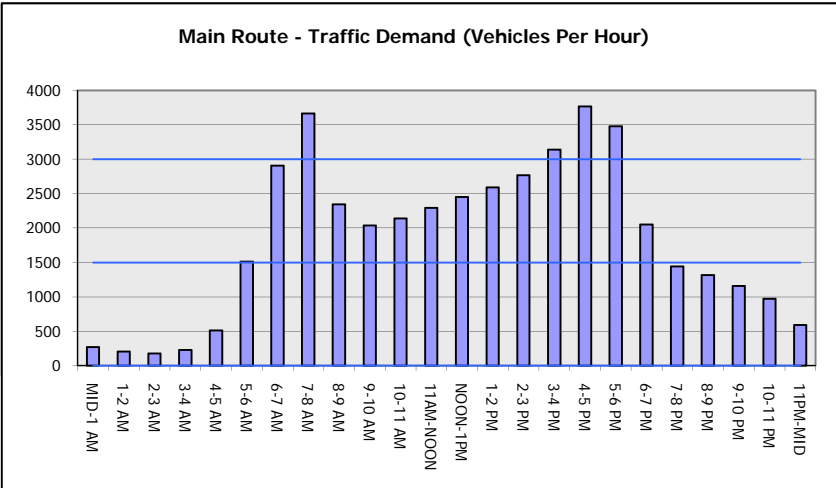
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) |          |
|------------------------------------|----------|
| MAIN ROUTE WITHOUT WORKS           | 0.0336   |
| MAIN ROUTE WITH WORKS              | 0.0297   |
| 'DIVERSION'                        | 0.0077   |
| PIA: Personal Injury Accidents     |          |
| IMPACTS ON ROAD USERS              |          |
| ROAD USER COSTS PER DAY            | \$39,636 |
| CONGESTED HOURS PER DAY*           | 5        |

\*Delays Exceeding User-Specified Maximum

**USH 41: STH 29 TO CTH AAA (BROWN COUNTY)  
OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

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



|  |  |
|--|--|
| <b>USH 41: STH 29 TO CTH AAA (BROWN COUNTY)</b><br><b>OFF-PEAK DAY CLOSURE</b><br><b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b> | <b>AUGUST</b>                            |
|  | Analyzed for 2009<br>Construction Season |

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      NORTHBOUND 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    | 256                          | 0.0       | OFF            | 256        | 0           | 0.00                  | 0                     | 65.9              | 65.9           | 65.9 |
| 1-2 AM      | 158                          | 0.0       | OFF            | 158        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |
| 2-3 AM      | 181                          | 0.0       | OFF            | 181        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |
| 3-4 AM      | 183                          | 0.0       | OFF            | 183        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |
| 4-5 AM      | 344                          | 0.0       | OFF            | 344        | 0           | 0.00                  | 0                     | 65.8              | 65.8           | 65.8 |
| 5-6 AM      | 967                          | 0.0       | OFF            | 967        | 0           | 0.00                  | 0                     | 64.6              | 64.6           | 64.6 |
| 6-7 AM      | 2320                         | 0.0       | OFF            | 2320       | 0           | 0.00                  | 0                     | 62.0              | 62.0           | 62.0 |
| 7-8 AM      | 3676                         | 0.0       | OFF            | 3676       | 0           | 0.00                  | 0                     | 48.8              | 48.8           | 48.8 |
| 8-9 AM      | 2677                         | 0.0       | OFF            | 2677       | 0           | 0.00                  | 0                     | 59.1              | 59.1           | 59.1 |
| 9-10 AM     | 2253                         | 0.0       | OFF            | 2253       | 0           | 0.00                  | 0                     | 62.2              | 62.2           | 62.2 |
| 10-11 AM    | 2199                         | 0.0       | 1499           | 1843       | 356         | 10.43+                | 285                   | 62.3              | 19.1           | 30.8 |
| 11AM-NOON   | 2354                         | 0.0       | 1500           | 1500       | 854         | 15.74+                | 400                   | 62.0              | 14.1           | 30.8 |
| NOON-1PM    | 2430                         | 0.0       | 1500           | 1500       | 930         | 15.71+                | 400                   | 61.6              | 14.1           | 30.8 |
| 1-2 PM      | 2446                         | 0.0       | 1500           | 1500       | 946         | 15.69+                | 400                   | 61.4              | 14.1           | 30.8 |
| 2-3 PM      | 2759                         | 0.0       | 1500           | 1500       | 1259        | 15.44+                | 400                   | 58.2              | 14.1           | 30.8 |
| 3-4 PM      | 3373                         | 0.0       | OFF            | 3373       | 0           | 1.81                  | 93                    | 52.0              | 39.2           | 39.2 |
| 4-5 PM      | 4087                         | 0.0       | OFF            | 4087       | 0           | 0.00                  | 0                     | 44.6              | 44.6           | 44.6 |
| 5-6 PM      | 3737                         | 0.0       | OFF            | 3737       | 0           | 0.00                  | 0                     | 48.2              | 48.2           | 48.2 |
| 6-7 PM      | 2269                         | 0.0       | OFF            | 2269       | 0           | 0.00                  | 0                     | 62.2              | 62.2           | 62.2 |
| 7-8 PM      | 1456                         | 0.0       | OFF            | 1456       | 0           | 0.00                  | 0                     | 63.7              | 63.7           | 63.7 |
| 8-9 PM      | 1235                         | 0.0       | OFF            | 1235       | 0           | 0.00                  | 0                     | 64.1              | 64.1           | 64.1 |
| 9-10 PM     | 995                          | 0.0       | OFF            | 995        | 0           | 0.00                  | 0                     | 64.5              | 64.5           | 64.5 |
| 10-11 PM    | 773                          | 0.0       | OFF            | 773        | 0           | 0.00                  | 0                     | 65.0              | 65.0           | 65.0 |
| 11PM-MID    | 457                          | 0.0       | OFF            | 457        | 0           | 0.00                  | 0                     | 65.5              | 65.5           | 65.5 |

"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          | 0.0  |
| (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         | 0 |
| (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           | 0.0333 |
| MAIN ROUTE WITH WORKS              | 0.0294 |
| 'DIVERSION'                        | 0.0077 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS |          |
|-------------------------------|----------|
| ROAD USER COSTS PER DAY       | \$40,083 |
| CONGESTED HOURS PER DAY*      | 5        |

\*Delays Exceeding User-Specified Maximum

**USH 41: STH 29 TO CTH AAA (BROWN COUNTY)  
OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
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Construction Season

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

