

|  |  |
|--|--|
| <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>MAY</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    | 235                          | 0.0       | OFF            | 235        | 0           | 0.00                  | 0                     | 66.0              | 66.0           | 66.0 |  |
| 1-2 AM      | 191                          | 0.0       | OFF            | 191        | 0           | 0.00                  | 0                     | 66.0              | 66.0           | 66.0 |  |
| 2-3 AM      | 173                          | 0.0       | OFF            | 173        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |  |
| 3-4 AM      | 205                          | 0.0       | OFF            | 205        | 0           | 0.00                  | 0                     | 66.0              | 66.0           | 66.0 |  |
| 4-5 AM      | 471                          | 0.0       | OFF            | 471        | 0           | 0.00                  | 0                     | 65.5              | 65.5           | 65.5 |  |
| 5-6 AM      | 1390                         | 0.0       | OFF            | 1390       | 0           | 0.00                  | 0                     | 63.8              | 63.8           | 63.8 |  |
| 6-7 AM      | 2841                         | 0.0       | OFF            | 2841       | 0           | 0.00                  | 0                     | 57.4              | 57.4           | 57.4 |  |
| 7-8 AM      | 3516                         | 0.0       | OFF            | 3516       | 0           | 0.00                  | 0                     | 50.5              | 50.5           | 50.5 |  |
| 8-9 AM      | 2178                         | 0.0       | OFF            | 2178       | 0           | 0.00                  | 0                     | 62.3              | 62.3           | 62.3 |  |
| 9-10 AM     | 1871                         | 0.0       | OFF            | 1871       | 0           | 0.00                  | 0                     | 62.9              | 62.9           | 62.9 |  |
| 10-11 AM    | 1889                         | 0.0       | 1499           | 1889       | 0           | 6.88                  | 188                   | 62.8              | 25.1           | 30.8 |  |
| 11AM-NOON   | 2073                         | 0.0       | 1499           | 1500       | 573         | 15.78+                | 399                   | 62.5              | 14.1           | 30.8 |  |
| NOON-1PM    | 2239                         | 0.0       | 1500           | 1500       | 739         | 15.75+                | 400                   | 62.2              | 14.1           | 30.8 |  |
| 1-2 PM      | 2317                         | 0.0       | 1500           | 1500       | 817         | 15.74+                | 399                   | 62.0              | 14.1           | 30.8 |  |
| 2-3 PM      | 2448                         | 0.0       | 1500           | 1500       | 948         | 15.69+                | 400                   | 61.4              | 14.1           | 30.8 |  |
| 3-4 PM      | 2928                         | 0.0       | OFF            | 2928       | 0           | 1.45                  | 70                    | 56.5              | 44.0           | 44.0 |  |
| 4-5 PM      | 3657                         | 0.0       | OFF            | 3657       | 0           | 0.00                  | 0                     | 49.1              | 49.1           | 49.1 |  |
| 5-6 PM      | 3235                         | 0.0       | OFF            | 3235       | 0           | 0.00                  | 0                     | 53.3              | 53.3           | 53.3 |  |
| 6-7 PM      | 1895                         | 0.0       | OFF            | 1895       | 0           | 0.00                  | 0                     | 62.8              | 62.8           | 62.8 |  |
| 7-8 PM      | 1337                         | 0.0       | OFF            | 1337       | 0           | 0.00                  | 0                     | 63.9              | 63.9           | 63.9 |  |
| 8-9 PM      | 1216                         | 0.0       | OFF            | 1216       | 0           | 0.00                  | 0                     | 64.1              | 64.1           | 64.1 |  |
| 9-10 PM     | 984                          | 0.0       | OFF            | 984        | 0           | 0.00                  | 0                     | 64.5              | 64.5           | 64.5 |  |
| 10-11 PM    | 661                          | 0.0       | OFF            | 661        | 0           | 0.00                  | 0                     | 65.1              | 65.1           | 65.1 |  |
| 11PM-MID    | 418                          | 0.0       | OFF            | 418        | 0           | 0.00                  | 0                     | 65.6              | 65.6           | 65.6 |  |

"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 |

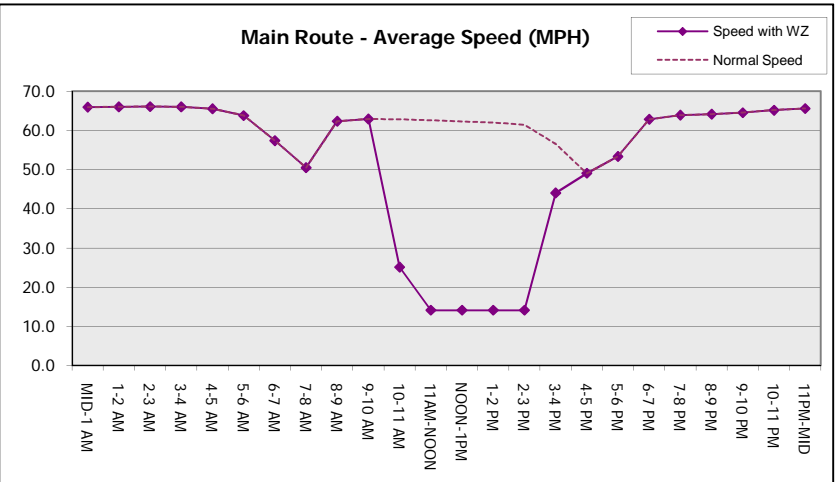
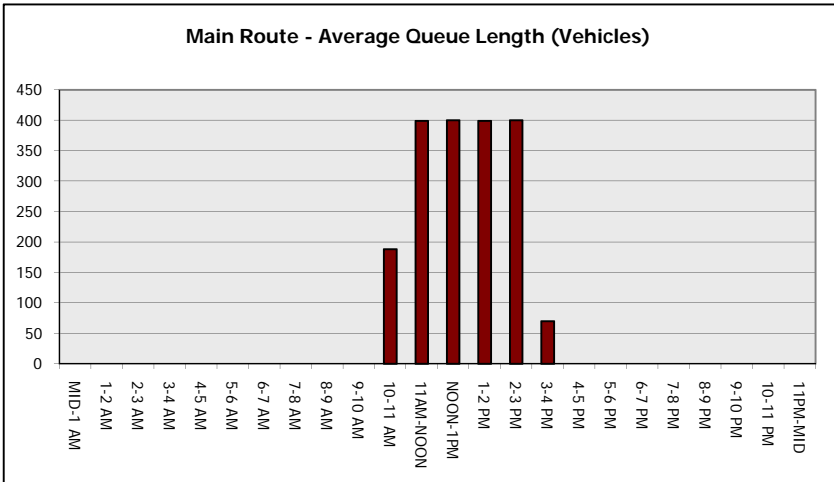
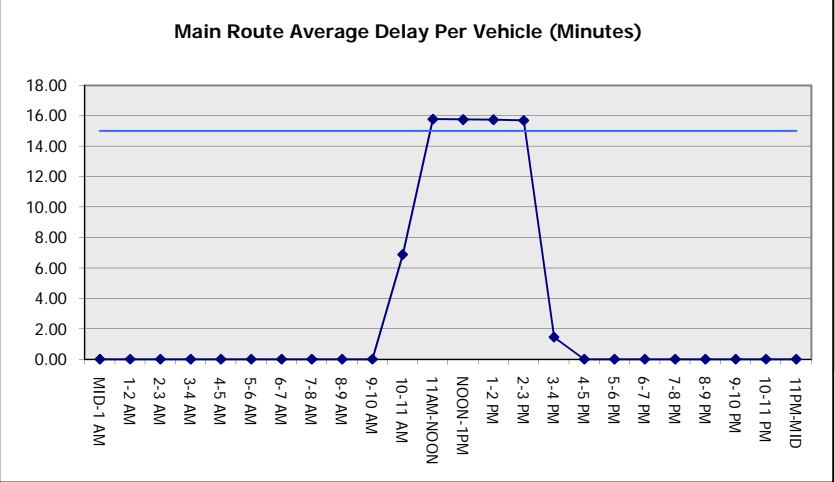
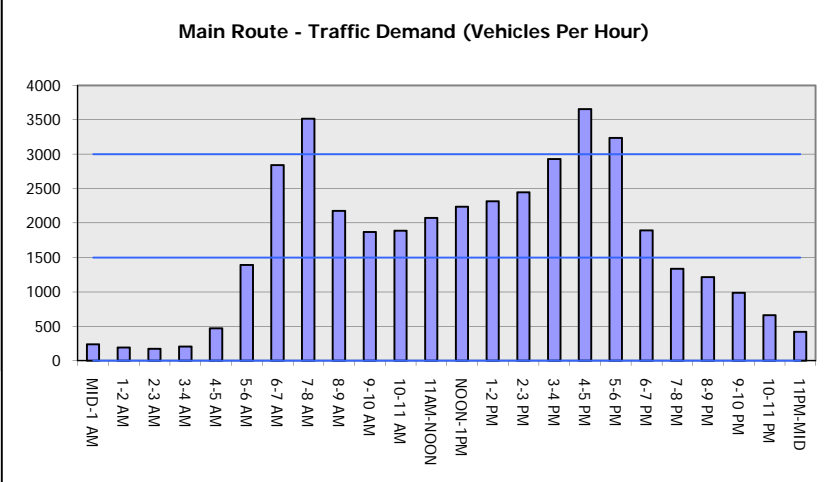
| AVERAGE ACCIDENT NUMBERS (PIA/DAY) |          |
|------------------------------------|----------|
| MAIN ROUTE WITHOUT WORKS           | 0.0308   |
| MAIN ROUTE WITH WORKS              | 0.0279   |
| 'DIVERSION'                        | 0.0054   |
| PIA: Personal Injury Accidents     |          |
| IMPACTS ON ROAD USERS              |          |
| ROAD USER COSTS PER DAY            | \$34,476 |
| CONGESTED HOURS PER DAY*           | 4        |

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
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>MAY</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    | 200                          | 0.0       | OFF            | 200        | 0           | 0.00                  | 0                     | 66.0              | 66.0           | 66.0 |
| 1-2 AM      | 144                          | 0.0       | OFF            | 144        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |
| 2-3 AM      | 153                          | 0.0       | OFF            | 153        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |
| 3-4 AM      | 160                          | 0.0       | OFF            | 160        | 0           | 0.00                  | 0                     | 66.1              | 66.1           | 66.1 |
| 4-5 AM      | 310                          | 0.0       | OFF            | 310        | 0           | 0.00                  | 0                     | 65.8              | 65.8           | 65.8 |
| 5-6 AM      | 883                          | 0.0       | OFF            | 883        | 0           | 0.00                  | 0                     | 64.8              | 64.8           | 64.8 |
| 6-7 AM      | 2200                         | 0.0       | OFF            | 2200       | 0           | 0.00                  | 0                     | 62.3              | 62.3           | 62.3 |
| 7-8 AM      | 3626                         | 0.0       | OFF            | 3626       | 0           | 0.00                  | 0                     | 49.4              | 49.4           | 49.4 |
| 8-9 AM      | 2466                         | 0.0       | OFF            | 2466       | 0           | 0.00                  | 0                     | 61.2              | 61.2           | 61.2 |
| 9-10 AM     | 1984                         | 0.0       | OFF            | 1984       | 0           | 0.00                  | 0                     | 62.7              | 62.7           | 62.7 |
| 10-11 AM    | 1905                         | 0.0       | 1499           | 1905       | 0           | 7.25                  | 199                   | 62.8              | 24.3           | 30.8 |
| 11AM-NOON   | 2082                         | 0.0       | 1499           | 1500       | 582         | 15.77+                | 399                   | 62.5              | 14.1           | 30.8 |
| NOON-1PM    | 2126                         | 0.0       | 1500           | 1500       | 626         | 15.77+                | 400                   | 62.4              | 14.1           | 30.8 |
| 1-2 PM      | 2162                         | 0.0       | 1500           | 1500       | 662         | 15.76+                | 400                   | 62.3              | 14.1           | 30.8 |
| 2-3 PM      | 2466                         | 0.0       | 1500           | 1500       | 966         | 15.68+                | 400                   | 61.2              | 14.1           | 30.8 |
| 3-4 PM      | 3041                         | 0.0       | OFF            | 3041       | 0           | 1.71                  | 85                    | 55.3              | 41.7           | 41.7 |
| 4-5 PM      | 3801                         | 0.0       | OFF            | 3801       | 0           | 0.00                  | 0                     | 47.6              | 47.6           | 47.6 |
| 5-6 PM      | 3417                         | 0.0       | OFF            | 3417       | 0           | 0.00                  | 0                     | 51.5              | 51.5           | 51.5 |
| 6-7 PM      | 1992                         | 0.0       | OFF            | 1992       | 0           | 0.00                  | 0                     | 62.7              | 62.7           | 62.7 |
| 7-8 PM      | 1335                         | 0.0       | OFF            | 1335       | 0           | 0.00                  | 0                     | 63.9              | 63.9           | 63.9 |
| 8-9 PM      | 1121                         | 0.0       | OFF            | 1121       | 0           | 0.00                  | 0                     | 64.3              | 64.3           | 64.3 |
| 9-10 PM     | 909                          | 0.0       | OFF            | 909        | 0           | 0.00                  | 0                     | 64.7              | 64.7           | 64.7 |
| 10-11 PM    | 718                          | 0.0       | OFF            | 718        | 0           | 0.00                  | 0                     | 65.0              | 65.0           | 65.0 |
| 11PM-MID    | 397                          | 0.0       | OFF            | 397        | 0           | 0.00                  | 0                     | 65.6              | 65.6           | 65.6 |

"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          | 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           | 0.0302 |
| MAIN ROUTE WITH WORKS              | 0.0275 |
| 'DIVERSION'                        | 0.0050 |

PIA: Personal Injury Accidents

| ECONOMIC IMPACT ON ROAD USERS |          |
|-------------------------------|----------|
| ROAD USER COSTS PER DAY       | \$34,048 |
| CONGESTED HOURS PER DAY*      | 4        |

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
Analyzed for 2009  
Construction Season

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

