## 5. Time-of-Day Travel by Purpose and Mode

- The percent of trips by purpose and by time periods (for all modes) is show below. (See also Table 90.)

|  | Trip Purpose |  |  |  |
| :---: | ---: | ---: | ---: | ---: |
| Time Period | HBW | HBO | NHB | Total |
| AM Peak Period (6:45 to 9.45) | $17.4 \%$ | $16.0 \%$ | $10.8 \%$ | $13.1 \%$ |
| AM Peak Hour (6:45 to 7:44) | $12.1 \%$ | $6.7 \%$ | $5.2 \%$ | $5.5 \%$ |
| Midday (9:45 AM to 2:29 PM | $8.3 \%$ | $23.1 \%$ | $44.9 \%$ | $34.6 \%$ |
| PM Peak Period (2:30 to 5:59) | $33.6 \%$ | $28.9 \%$ | $27.1 \%$ | $28.2 \%$ |
| PM Peak Hour (5:00 to 5:59) | $12.6 \%$ | $10.7 \%$ | $9.5 \%$ | $9.8 \%$ |
| Nighttime (6:00 PM to 6:44 AM) | $40.7 \%$ | $32.0 \%$ | $17.2 \%$ | $24.0 \%$ |

HBW $=$ Home Based Work. HBO $=$ Home Based Other. NHB $=$ Non-Home Based. See definitions on page 37.

- The PM peak-hour travel $(9.8 \%)$ is higher than the AM peak-hour travel ( $5.5 \%$ ). The PM peak hour carries $12.6 \%$ of the Home Based Work trips, $10.7 \%$ of the Home Based Other trips and $9.8 \%$ of the Non-Home Based trips. (Table 92)
- Two out of five daily trips ( $41.3 \%$ ) occur during the AM and PM peak periods- $13.1 \%$ in the three-hour AM peak period and $28.2 \%$ in the three-and-one-half hour PM peak period. (Table 28)
- The distribution of trips by purpose within time periods (all modes) is shown below. (See also Table 92.)

|  | Trip Purpose |  |  |  |
| :---: | ---: | ---: | ---: | ---: |
| Time Period | HBW | HBO | NHB | Total |
| AM Peak Period (6:45 to 9.45) | $7.7 \%$ | $44.7 \%$ | $47.6 \%$ | $100.0 \%$ |
| AM Peak Hour (6:45 to 7:44) | $17.8 \%$ | $45.1 \%$ | $37.1 \%$ | $100.0 \%$ |
| Midday (9:45 AM to 2:29 PM) | $1.3 \%$ | $25.8 \%$ | $72.9 \%$ | $100.0 \%$ |
| PM Peak Period (2:30 to 5:59) | $7.0 \%$ | $38.5 \%$ | $54.5 \%$ | $100.0 \%$ |
| PM Peak Hour (5:00 to 5:59) | $5.6 \%$ | $52.2 \%$ | $42.2 \%$ | $100.0 \%$ |
| Nighttime (6:00 PM to 6:44 AM) | $9.7 \%$ | $50.3 \%$ | $40.0 \%$ | $100.0 \%$ |

- Nearly one in five of the AM peak-hour trips (17.8\%) are Home Based Work trips, 45.1 percent are Home Based Other trips and 37.1 percent are Non-Home Based person trips. During the PM peak hour, only $5.6 \%$ are Home Based Work trips (reflecting the fact that during the afternoon period, more activities are available than in the AM peak period. About half ( $52.2 \%$ ) are Home Based Other person trips and $42.2 \%$ are Non-Home Based trips. (Table 92)
- The peak-hour and peak-period distribution of person trips by mode is shown below. (See also Table 89.)

| Time Period | Mode |  |  |  |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: | :---: | :---: | :---: | :---: |
|  | Driver <br> Trips |  |  |  |  | Passenger <br> Trips | Transit <br> Trips | Pedestrian <br> \& Bicycle |
| AM Peak Period (6:45 to 9.45) | $13.7 \%$ | $11.0 \%$ | $0.0 \%$ | $11.1 \%$ |  |  |  |  |
| AM Peak Hour (6:45 to 7:44) | $5.6 \%$ | $2.9 \%$ | $0.0 \%$ | $2.8 \%$ |  |  |  |  |
| Midday (9:45 AM to 2:29 PM) | $34.0 \%$ | $36.4 \%$ | $50.5 \%$ | $51.2 \%$ |  |  |  |  |
| PM Peak Period (2:30 to 5:59) | $28.7 \%$ | $26.5 \%$ | $33.0 \%$ | $18.3 \%$ |  |  |  |  |
| PM Peak Hour (5:00 to 5:59) | $7.7 \%$ | $7.3 \%$ | $0.0 \%$ | $3.3 \%$ |  |  |  |  |
| Nighttime (6:00 PM to 6:44 AM) | $23.6 \%$ | $26.2 \%$ | $16.5 \%$ | $19.4 \%$ |  |  |  |  |

- Transit exhibits higher peaking characteristics than passenger vehicle traffic. Whereas peak-period auto driver trips represent $13.7 \%$ of the daily total in the AM peak period and $28.7 \%$ in the PM peak period, transit had no reported trips in the AM peak period and $33.0 \%$ in the PM peak period. (Table 90)

Table 87
Number of Motorized Trips by Time Period, Purpose and Mode: 13 Ring Counties

| Time of Day | Total Motorized | $\begin{array}{\|c} \text { Home Based } \\ \text { Work } \\ \hline \end{array}$ | Home Based Other | Non-Home Based | Driver <br> Trips | Passenger Trips | Transit Trips | School Bus | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period 6:45 to 7:44 | 82,305 | 15,249 | 36,456 | 30,601 | 61,438 | 17,388 | - | 2,923 | 555 |
| 7:45 to 8:44 | 79,646 | 5,488 | 36,284 | 37,874 | 60,058 | 16,665 | - | 2,923 | - |
| 8:45 to 9:44 | 115,084 | 1,310 | 51,878 | 61,896 | 82,718 | 31,810 | - | - | 555 |
| Subtotal | 277,035 | 22,047 | 124,618 | 130,371 | 204,214 | 65,863 | - | 5,846 | 1,110 |
| Highest AM Peak Hour | 136,891 | 23,121 | 51,878 | 88,441 | 97,546 | 38,907 | - | 2,923 | 555 |
| Time Period | 9:45 to 10:45 | 5:45 to 6:45 | 8:45 to 9:44 | 9:30 to 10:29 | 9:30 to 10:29 | 9:45 to 10:45 |  | (See above.) | (See above.) |
| PM Peak Period 2:30 to 2:59 | 68,710 | 2,670 | 12,373 | 53,666 | 47,256 | 18,931 | 856 | 1,666 | - |
| 3:00 to 3:59 | 159,668 | 15,097 | 53,333 | 91,238 | 109,975 | 45,934 | 856 | 2,295 | 609 |
| 4:00 to 4:59 | 206,649 | 15,990 | 75,989 | 114,670 | 155,490 | 49,492 | - | 1,666 |  |
| 5:00 to 5:59 | 158,417 | 8,726 | 83,633 | 66,058 | 114,598 | 43,819 | - | - |  |
| Subtotal | 593,444 | 42,483 | 225,328 | 325,632 | 427,319 | 158,176 | 1,712 | 5,627 | 609 |
| Highest PM Peak Hour | 208,972 | 16,881 | 83,633 | 114,670 | 159,255 | 51,997 | 1,712 | 2,295 | 609 |
| Time Period | 4:15 to 5:15 | 3:45 to 4:44 | 5:00 to 5:59 | 4:00 to 4:59 | 4:15 to 5:15 | 3:30 to 4:29 | 2:45 to 3:44 | 3:00 to 3:59 | 3:00 to 3:59 |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 AM | 95,582 | 36,394 | 26,852 | 32,336 | 84,621 | 10,105 | 856 | - |  |
| 9:45 AM to 2:29 PM | 729,902 | 10,481 | 179,818 | 539,604 | 505,022 | 217,246 | 2,619 | 2,923 | 2,093 |
| 6:00 PM to 11:59 PM | 411,927 | 15,080 | 223,149 | 173,699 | 265,710 | 146,217 | - | - |  |
| Subtotal | 1,237,411 | 61,955 | 429,819 | 745,639 | 855,353 | 373,568 | 3,475 | 2,923 | 2,093 |
| TOTAL | 2,107,890 | 126,485 | 779,765 | 1,201,642 | 1,486,886 | 597,607 | 5,187 | 14,396 | 3,812 |

Table 88
Number of Trips (All Modes) by Time Period, Purpose and Mode: 13 Ring Counties

| Time of Day | Total <br>  <br> All Purposes | Home <br> Based <br> Work | Home Based Other | $\begin{gathered} \text { Non-Home } \\ \text { Based } \\ \hline \hline \end{gathered}$ | Driver Trips | $\begin{gathered} \text { Passenger } \\ \text { Trips } \\ \hline \hline \end{gathered}$ | Transit Trips | School <br> Bus | Other | $\begin{gathered} \text { Pedestrian/ } \\ \text { Bicycle } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period |  |  |  |  |  |  |  |  |  |  |
| 6:45 to 7:44 | 85,681 | 15,249 | 38,648 | 31,785 | 61,438 | 17,388 | - | 2,923 | 555 | 3,376 |
| 7:45 to 8:44 | 83,211 | 5,820 | 37,930 | 39,460 | 60,058 | 16,665 | - | 2,923 | - | 3,565 |
| 8:45 to 9:44 | 121,341 | 1,310 | 53,096 | 66,935 | 82,718 | 31,810 | - | - | 555 | 6,257 |
| Subtotal | 290,233 | 22,379 | 129,674 | 138,189 | 204,214 | 65,863 | - | 5,846 | 1,110 | 13,198 |
| Highest AM Peak Hour | 148,424 | 23,121 | 53,096 | 97,580 | 97,546 | 38,907 | - | 2,923 | 555 | 12,691 |
| Time Period | 9:45 to 10:44 | 5:45 to 6:44 | 8:45 to 9:44 | 9:30 to 10:29 | 9:30 to 10:29 | 9:45 to 10:45 |  | (See above.) | (See above.) | 9:30 to 10:29 |
| PM Peak Period 2:30 to 2:59 | 68,710 | 2,670 | 12,373 | 53,666 | 47,256 | 18,931 | 856 | 1,666 | - | 0 |
| 3:00 to 3:59 | 167,416 | 15,429 | 56,885 | 95,102 | 109,975 | 45,934 | 856 | 2,295 | 609 | 7,748 |
| 4:00 to 4:59 | 215,078 | 15,990 | 82,269 | 116,819 | 155,490 | 49,492 |  | 1,666 |  | 8,429 |
| 5:00 to 5:59 | 162,284 | 9,152 | 84,658 | 68,473 | 114,598 | 43,819 |  |  |  | 3,867 |
| Subtotal | 613,488 | 43,241 | 236,185 | 334,060 | 427,319 | 158,176 | 1,712 | 5,627 | 609 | 20,044 |
| Highest PM Peak Hour | 216,06 | 16,881 | 87,398 | 116,819 | 159,255 | 51,997 | 1,712 | 2,295 | 609 | 8,908 |
| Time Period | 4:15 to 5:14 | 3:45 to 4:44 | 4:15 to 5:14 | 4:00 to 4:59 | 4:15 to 5:14 | 3:30 to 4:29 | 2:45 to 3:44 | 3:00 to 3:59 | 3:00 to 3:59 | 4:30 to 5:29 |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 AM | 96,148 | 36,394 | 26,852 | 32,901 | 84,621 | 10,105 | 856 |  |  | 565 |
| 9:45 AM to 2:29 PM | 792,32 | 10,481 | 204,504 | 577,344 | 505,022 | 217,246 | 2,619 | 2,923 | 2,093 | 62,427 |
| 6:00 PM to 11:59 PM | 434,334 | 15,080 | 239,745 | 179,509 | 265,710 | 146,217 |  |  |  | 22,407 |
| Subtotal | 1,322,811 | 61,955 | 471,101 | 789,754 | 855,353 | 373,568 | 3,475 | 2,923 | 2,093 | 83,399 |
| TOTAL | 2,226,532 | 127,575 | 836,960 | 1,261,994 | 1,486,886 | 597,607 | 5,186 | 14,397 | 3,812 | 118,641 |

Table 89
Percent of Motorized Trips by Purpose, Mode and Time Period: 13 Ring Counties

| Time of Day | Percent of Motorized | $\begin{array}{\|c} \hline \text { Home Based } \\ \text { Work } \end{array}$ | $\begin{array}{\|c\|} \hline \text { Home Based } \\ \text { Other } \end{array}$ | $\begin{gathered} \text { Non-Home } \\ \text { Based } \end{gathered}$ | Driver Trips | $\begin{gathered} \hline \hline \text { Passenger } \\ \text { Trips } \\ \hline \end{gathered}$ | Transit Trips | School Bus | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period 6:45 to 7:44 | 3.9\% | 12.1\% | 4.7\% | 2.5\% | 4.1\% | 2.9\% | 0.0\% | 20.3\% | 14.6\% |
| 7:45 to 8:44 | 3.8\% | 4.3\% | 4.7\% | 3.2\% | 4.0\% | 2.8\% | 0.0\% | 20.3\% | 0.0\% |
| 8:45 to 9:44 | 5.5\% | 1.0\% | 6.7\% | 5.1\% | 5.6\% | 5.3\% | 0.0\% | 0.0\% | 14.6\% |
| Subtotal | 13.1\% | 17.5\% | 16.1\% | 10.8\% | 13.7\% | 11.0\% | 0.0\% | 40.6\% | 29.2\% |
| Highest AM Peak Hour | 6.5\% | 18.3\% | 6.7\% | 7.4\% | 6.6\% | 6.5\% | 0.0\% | 20.3\% | 14.6\% |
| Time Period | 9:45 to 10:44 | 5:45 to 6:44 | 8:45 to 9:44 | 9:30 to 10:29 | 9:30 to 10:29 | 9:45 to 10:44 | - | (See above.) | (See above.) |
| PM Peak Period 2:30 to 2:59 | 3.3\% | 2.1\% | 1.6\% | 4.5\% | 3.2\% | 3.2\% | 16.5\% | 11.6\% | 0.0\% |
| 3:00 to 3:59 | 7.6\% | 11.9\% | 6.8\% | 7.6\% | 7.4\% | 7.7\% | 16.5\% | 15.9\% | 16.0\% |
| 4:00 to 4:59 | 9.8\% | 12.6\% | 9.7\% | 9.5\% | 10.4\% | 8.3\% | 0.0\% | 11.6\% | 0.0\% |
| 5:00 to 5:59 | 7.5\% | 6.9\% | 10.7\% | 5.5\% | 7.7\% | 7.3\% | 0.0\% | 0.0\% | 0.0\% |
| Subtotal | 28.2\% | 33.5\% | 28.8\% | 27.1\% | 28.7\% | 26.5\% | 33.0\% | 39.1\% | 16.0\% |
| Highest PM Peak Hour | 9.9\% | 13.3\% | 10.7\% | 9.5\% | 10.7\% | 8.7\% | 33.0\% | 15.9\% | 16.0\% |
| Time Period | 4:15 to 5:14 | 3:45 to 4:44 | 5:00 to 5:59 | 4:00 to 4:59 | 4:15 to 5:14 | 3:30 to 4:29 | 2:45 to 3:44 | 3:00 to 3:59 | 3:00 to 3:59 |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 | 4.5\% | 28.8\% | 3.4\% | 2.7\% | 5.7\% | 1.7\% | 16.5\% | 0.0\% | 0.0\% |
| 9:45 to 2:29 | 34.6\% | 8.3\% | 23.1\% | 44.9\% | 34.0\% | 36.3\% | 50.5\% | 20.3\% | 54.8\% |
| 6:00 to 11:59 | 19.5\% | 11.9\% | 28.6\% | 14.5\% | 17.9\% | 24.5\% | 0.0\% | 0.0\% | 0.0\% |
| Subtotal | 58.7\% | 49.0\% | 55.1\% | 62.1\% | 57.6\% | 62.5\% | 67.0\% | 20.3\% | 54.8\% |
| TOTAL | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Table 90
Percent of Trips (All Modes) by Purpose, Mode and Time Period: 13 Ring Counties

| Time of Day | $\begin{gathered} \hline \hline \text { Percent of } \\ \text { Total } \\ \text { All Modes } \\ \hline \end{gathered}$ | Home Based Work | Home <br> Based <br> Other | Non-Home Based | Driver Trips | Passenger Trips | Transit Trips | School Bus | Other | $\begin{gathered} \text { Pedestrian/ } \\ \text { Bicycle } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period 6:45 to 7:44 | 3.8\% | 12.0\% | 4.6\% | 2.5\% | 4.1\% | 2.9\% | 0.0\% | 20.3\% | 14.6\% | 2.8\% |
| 7:45 to 8:44 | 3.7\% | 4.6\% | 4.5\% | 3.1\% | 4.0\% | 2.8\% | 0.0\% | 20.3\% | 0.0\% | 3.0\% |
| 8:45 to 9:44 | 5.5\% | 1.0\% | 6.4\% | 5.3\% | 5.6\% | 5.3\% | 0.0\% | 0.0\% | 14.6\% | 5.3\% |
| Subtotal | 13.0\% | 17.5\% | 15.5\% | 10.9\% | 13.7\% | 11.0\% | 0.0\% | 40.6\% | 29.1\% | 11.1\% |
| Highest AM Peak Hour | 6.7\% | 18.1\% | 6.4\% | 7.7\% | 6.6\% | 6.5\% | 0.0\% | 20.3\% | 14.6\% | 10.7\% |
| Time Period | 9:45 to 10:44 | 5:45 to 6:44 | 8:45 to 9:44 | 9:30 to 10:29 | 9:30 to 10:29 | 9:45 to 10:44 | - | (See above.) | (See above.) | 9:30 to 10:29 |
| PM Peak Period 2:30 to 2:59 | 3.1\% | 2.1\% | 1.5\% | 4.3\% | 3.2\% | 3.2\% | 16.5\% | 11.6\% | 0.0\% | 0\% |
| 3:00 to 3:59 | 7.5\% | 12.1\% | 6.8\% | 7.5\% | 7.4\% | 7.7\% | 16.5\% | 15.9\% | 16.0\% | 6.5\% |
| 4:00 to 4:59 | 9.7\% | 12.5\% | 9.8\% | 9.3\% | 10.4\% | 8.3\% | 0.0\% | 11.6\% | 0.0\% | 7.1\% |
| 5:00 to 5:59 | 7.3\% | 7.2\% | 10.1\% | 5.4\% | 7.7\% | 7.3\% | 0.0\% | 0.0\% | 0.0\% | 3.3\% |
| Subtotal | 27.6\% | 33.9\% | 28.2\% | 26.5\% | 28.7\% | 26.5\% | 33.0\% | 39.1\% | 16.0\% | 16.9\% |
| Highest PM Peak Hour | 9.7\% | 13.2\% | 10.4\% | 9.3\% | 10.7\% | 8.7\% | 33.0\% | 15.9\% | 16.0\% | 7.5\% |
| Time Period | 4:15 to 5:14 | 3:45 to 4:44 | 4:15 to 5:14 | 4:00 to 4:50 | 4:15 to 5:14 | 3:30 to 4:29 | 2:45 to 3:44 | 3:00 to 3:59 | 3:00 to 3:59 | 4:30 to 5:29 |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 | 4.3\% | 28.5\% | 3.2\% | 2.6\% | 5.7\% | 1.7\% | 16.5\% | 0.0\% | 0.0\% | 0.5\% |
| 9:45 to 2:29 | 35.6\% | 8.2\% | 24.4\% | 45.8\% | 34.0\% | 36.3\% | 50.5\% | 20.3\% | 54.8\% | 52.6\% |
| 6:00 to 11:59 | 19.5\% | 11.8\% | 28.7\% | 14.2\% | 17.9\% | 24.5\% | 0.0\% | 0.0\% | 0.0\% | 18.9\% |
| Subtotal | 59.4\% | 48.5\% | 56.3\% | 62.6\% | 57.6\% | 62.5\% | 67.0\% | 20.3\% | 54.8\% | 72.0\% |
| TOTAL | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |

Table 91
Motorized Trips, by Purpose and Mode, as Percent of Time-Period Total: 13 Ring Counties

| Time of Day | Percent of Time Period | Home Based <br> Work | Home Based Other | $\begin{gathered} \hline \text { Non-Home } \\ \text { Based } \\ \hline \end{gathered}$ | Driver <br> Trips | Passenger Trips | Transit Trips | $\begin{gathered} \hline \hline \text { School } \\ \text { Bus } \\ \hline \end{gathered}$ | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period |  |  |  |  |  |  |  |  |  |
| 6:45 to 7:44 | 100.0\% | 18.5\% | 44.3\% | 37.2\% | 74.6\% | 21.1\% | 0.0\% | 3.6\% | 0.7\% |
| 7:45 to 8:44 | 100.0\% | 6.9\% | 45.6\% | 47.5\% | 75.4\% | 20.9\% | 0.0\% | 3.7\% | 0.0\% |
| 8:45 to 9:44 | 100.0\% | 1.1\% | 45.1\% | 53.8\% | 71.9\% | 27.6\% | 0.0\% | 0.0\% | 0.5\% |
| Subtotal | 100.0\% | 7.9\% | 45.0\% | 47.1\% | 73.7\% | 23.8\% | 0.0\% | 2.1\% | 0.4\% |
| PM Peak Period |  |  |  |  |  |  |  |  |  |
| 2:30 to 2:59 | 100.0\% | 3.9\% | 18.0\% | 78.1\% | 68.8\% | 27.6\% | 1.2\% | 2.4\% | 0.0\% |
| 3:00 to 3:59 | 100.0\% | 9.5\% | 33.4\% | 57.1\% | 68.9\% | 28.8\% | 0.5\% | 1.4\% | 0.4\% |
| 4:00 to 4:59 | 100.0\% | 7.7\% | 36.8\% | 55.5\% | 75.3\% | 23.9\% | 0.0\% | 0.8\% | 0.0\% |
| 5:00 to 5:59 | 100.0\% | 5.5\% | 52.8\% | 41.7\% | 72.3\% | 27.7\% | 0.0\% | 0.0\% | 0.0\% |
| Subtotal | 100.0\% | 7.1\% | 38.0\% | 54.9\% | 72.0\% | 26.7\% | 0.3\% | 0.9\% | 0.1\% |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 | 100.0\% | 38.1\% | 28.1\% | 33.8\% | 88.5\% | 10.6\% | 0.9\% | 0.0\% | 0.0\% |
| 9:45 to 2:29 | 100.0\% | 1.5\% | 24.6\% | 73.9\% | 69.2\% | 29.8\% | 0.3\% | 0.4\% | 0.3\% |
| 6:00 to 11:59 | 100.0\% | 3.7\% | 54.2\% | 42.2\% | 64.5\% | 35.5\% | 0.0\% | 0.0\% | 0.0\% |
| Subtotal | 100.0\% | 5.0\% | 34.7\% | 60.3\% | 69.1\% | 30.2\% | 0.3\% | 0.2\% | 0.2\% |
| TOTAL | 100.0\% | 6.0\% | 37.0\% | 57.0\% | 70.5\% | 28.4\% | 0.2\% | 0.7\% | 0.2\% |

Table 92
Trips (All Modes), by Purpose and Mode, as a Percent of Time-Period Total: 13 Ring Counties

| Time of Day | Percent of All Modes \& All Purposes | Home Based Work | Home Based Other | Non-Home Based | Driver <br> Trips | Passenger Trips | $\begin{gathered} \text { Transit } \\ \text { Trips } \\ \hline \end{gathered}$ | $\begin{gathered} \text { School } \\ \text { Bus } \\ \hline \end{gathered}$ | Other |  <br> Pedestrian |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period |  |  |  |  |  |  |  |  |  |  |
| 6:45 to 7:44 | 100.0\% | 17.8\% | 45.1\% | 37.1\% | 71.7\% | 20.3\% | 0.0\% | 3.4\% | 0.7\% | 3.9\% |
| 7:45 to 8:44 | 100.0\% | 7.0\% | 45.6\% | 47.4\% | 72.2\% | 20.0\% | 0.0\% | 3.5\% | 0.0\% | 4.3\% |
| 8:45 to 9:44 | 100.0\% | 1.1\% | 43.7\% | 55.2\% | 68.2\% | 26.2\% | 0.0\% | 0.0\% | 0.5\% | 5.1\% |
| Subtotal | 100.0\% | 7.7\% | 44.7\% | 47.6\% | 70.4\% | 22.7\% | 0.0\% | 2.0\% | 0.4\% | 4.5\% |
| PM Peak Period |  |  |  |  |  |  |  |  |  |  |
| 2:30 to 2:59 | 100.0\% | 3.9\% | 18.0\% | 78.1\% | 68.8\% | 27.6\% | 1.2\% | 2.4\% | 0.0\% | 0\% |
| 3:00 to 3:59 | 100.0\% | 9.2\% | 34.0\% | 56.8\% | 65.7\% | 27.4\% | 0.5\% | 1.4\% | 0.4\% | 4.6\% |
| 4:00 to 4:59 | 100.0\% | 7.4\% | 38.3\% | 54.3\% | 72.3\% | 23.0\% | 0.0\% | 0.8\% | 0.0\% | 3.9\% |
| 5:00 to 5:59 | 100.0\% | 5.6\% | 52.2\% | 42.2\% | 70.6\% | 27.0\% | 0.0\% | 0.0\% | 0.0\% | 2.4\% |
| Subtotal | 100.0\% | 7.0\% | 38.5\% | 54.5\% | 69.6\% | 25.8\% | 0.3\% | 0.9\% | 0.1\% | 3.3\% |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 | 100.0\% | 37.9\% | 27.9\% | 34.2\% | 88.0\% | 10.5\% | 0.9\% | 0.0\% | 0.0\% | 0.6\% |
| 9:45 to 2:29 | 100.0\% | 1.3\% | 25.8\% | 72.9\% | 63.7\% | 27.4\% | 0.3\% | 0.4\% | 0.3\% | 7.9\% |
| 6:00 to 11:59 | 100.0\% | 3.5\% | 55.2\% | 41.3\% | 61.2\% | 33.7\% | 0.0\% | 0.0\% | 0.0\% | 5.1\% |
| Subtotal | 100.0\% | 4.7\% | 35.6\% | 59.7\% | 64.7\% | 28.3\% | 0.3\% | 0.2\% | 0.2\% | 6.3\% |
| TOTAL | 100.0\% | 5.7\% | 37.6\% | 56.7\% | 66.8\% | 26.8\% | 0.2\% | 0.7\% | 0.2\% | 5.3\% |

Table 93
Motorized Trips as Percent of Total Daily Trips by Purpose, Mode and Time Period: 13 Ring Counties

| Time of Day | Time Period Percent of Total | $\begin{array}{\|c} \text { Home Based } \\ \text { Work } \end{array}$ | Home Based <br> Other | Non-Home Based | Driver Trips | $\begin{gathered} \text { Passenger } \\ \text { Trips } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Transit } \\ \text { Trips } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { School } \\ \text { Bus } \\ \hline \end{gathered}$ | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period |  |  |  |  |  |  |  |  |  |
| 6:45 to 7:44 | 3.9\% | 0.7\% | 1.7\% | 1.5\% | 2.9\% | 0.8\% | 0.0\% | 0.2\% | 0.0\% |
| 7:45 to 8:44 | 3.8\% | 0.3\% | 1.7\% | 1.8\% | 2.9\% | 0.8\% | 0.0\% | 0.1\% | 0.0\% |
| 8:45 to 9:44 | 5.5\% | 0.1\% | 2.5\% | 2.9\% | 3.9\% | 1.5\% | 0.0\% | 0.0\% | 0.1\% |
| Subtotal | 13.2\% | 1.1\% | 5.9\% | 6.2\% | 9.7\% | 3.1\% | 0.0\% | 0.3\% | 0.1\% |
| Highest AM Peak Hour | 6.5\% | 1.1\% | 2.5\% | 4.2\% | 4.6\% | 1.8\% | 0.0\% | 0.1\% | 0.0\% |
| Time Period |  |  |  |  |  |  |  |  |  |
| PM Peak Period 2:30 to 2:59 | 3.3\% | 0.1\% | 0.6\% | 2.6\% | 2.3\% | 0.9\% | 0.0\% | 0.1\% | 0.0\% |
| 3:00 to 3:59 | 7.6\% | 0.7\% | 2.6\% | 4.3\% | 5.2\% | 2.2\% | 0.1\% | 0.1\% | 0.0\% |
| 4:00 to 4:59 | 9.8\% | 0.8\% | 3.6\% | 5.4\% | 7.4\% | 2.3\% | 0.0\% | 0.1\% | 0.0\% |
| 5:00 to 5:59 | 7.5\% | 0.4\% | 4.0\% | 3.1\% | 5.4\% | 2.1\% | 0.0\% | 0.0\% | 0.0\% |
| Subtotal | 28.2\% | 2.0\% | 10.8\% | 15.4\% | 20.3\% | 7.5\% | 0.1\% | 0.3\% | 0.0\% |
| Highest PM Peak Hour | 9.9\% | 0.8\% | 4.0\% | 5.4\% | 7.6\% | 2.5\% | 0.1\% | 0.1\% | 0.0\% |
| Time Period |  |  |  |  |  |  |  |  |  |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 AM | 4.5\% | 1.7\% | 1.3\% | 1.5\% | 4.0\% | 0.5\% | 0.0\% | 0.0\% | 0.0\% |
| 9:45 Am to 2:29 PM | 34.6\% | 0.5\% | 8.5\% | 25.6\% | 24.0\% | 10.3\% | 0.1\% | 0.1\% | 0.1\% |
| 6:00 PM to 11:59 PM | 19.5\% | 0.7\% | 10.6\% | 8.2\% | 12.6\% | 6.9\% | 0.0\% | 0.0\% | 0.0\% |
| Subtotal | 58.6\% | 2.9\% | 20.4\% | 35.3\% | 40.6\% | 17.7\% | 0.1\% | 0.1\% | 0.1\% |
| TOTAL | 100.0\% | 6.0\% | 37.1\% | 56.9\% | 70.6\% | 28.3\% | 0.2\% | 0.7\% | 0.2\% |

Table 94
Trips (All Modes) as Percent of Total Daily Trips by Purpose and Mode: 13 Ring Counties

| Time of Day | Time Period Percent of Total | Home <br> Based <br> Work | Home <br> Based <br> Other | Non-Home Based | Driver <br> Trips | Passenger Trips | Transit Trips | School Bus | Other | Pedestrian/ Bicycle |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AM Peak Period |  |  |  |  |  |  |  |  |  |  |
| 6:45 to 7:44 | 3.8\% | 0.7\% | 1.7\% | 1.4\% | 2.7\% | 0.8\% | 0.0\% | 0.1\% | 0.0\% | 0.2\% |
| 7:45 to 8:44 | 3.7\% | 0.2\% | 1.7\% | 1.8\% | 2.7\% | 0.7\% | 0.0\% | 0.1\% | 0.0\% | 0.2\% |
| 8:45 to 9:44 | 5.5\% | 0.1\% | 2.4\% | 3.0\% | 3.7\% | 1.5\% | 0.0\% | 0.0\% | 0.0\% | 0.3\% |
| Subtotal | 13.0\% | 1.0\% | 5.8\% | 6.2\% | 9.2\% | 3.0\% | 0.0\% | 0.3\% | 0.0\% | 0.6\% |
| Highest AM Peak Hour | 6.7\% | 1.0\% | 2.4\% | 4.4\% | 4.4\% | 1.7\% | 0.0\% | 0.1\% | 0.0\% | 0.6\% |
| Time Period | 9:45 to $10: 44$ | 5:45 to 6:44 | 8:45 to 9:44 | 9:30 to 10:29 | 9:30 to 10:29 | 9:45 to $10: 45$ | - | (See above.) | (See above.) | 9:30 to 10:29 |
| PM Peak Period 2:30 to 2:59 | 3.1\% | 0.1\% | 0.6\% | 2.4\% | 2.1\% | 0.8\% | 0.0\% | 0.1\% | 0.0\% | 0.1\% |
| 3:00 to 3:59 | 7.5\% | 0.7\% | 2.5\% | 4.3\% | 4.9\% | 2.1\% | 0.0\% | 0.1\% | 0.0\% | 0.4\% |
| 4:00 to 4:59 | 9.7\% | 0.7\% | 3.7\% | 5.3\% | 7.0\% | 2.2\% | 0.0\% | 0.1\% | 0.0\% | 0.4\% |
| 5:00 to 5:59 | 7.3\% | 0.4\% | 3.8\% | 3.1\% | 5.1\% | 2.0\% | 0.0\% | 0.0\% | 0.0\% | 0.2\% |
| Subtotal | 27.6\% | 1.9\% | 10.6\% | 15.0\% | 19.2\% | 7.1\% | 0.1\% | 0.3\% | 0.0\% | 1.0\% |
| Highest PM Peak Hour | 9.7\% | 0.8\% | 3.9\% | 5.2\% | 7.2\% | 2.3\% | 0.1\% | 0.1\% | 0.0\% | 0.4\% |
| Time Period | 4:15 to 5:14 | 3:45 to 4:44 | 4:15 to 5:14 | 4:00 to 4:59 | 4:15 to 5:15 | 3:30 to 4:29 | 2:45 to 3:44 | 3:00 to 3:59 | 3:00 to 3:59 | 4:30 to 5:29 |
| Non-Peak Periods |  |  |  |  |  |  |  |  |  |  |
| Midnight to 6:44 AM | 4.3\% | 1.6\% | 1.2\% | 1.5\% | 3.8\% | 0.5\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| 9:45 AM to 2:29 PM | 35.6\% | 0.5\% | 9.2\% | 25.9\% | 22.7\% | 9.8\% | 0.2\% | 0.1\% | 0.1\% | 2.7\% |
| 6:00 PM to 11:59 PM | 19.5\% | 0.7\% | 10.8\% | 8.0\% | 11.9\% | 6.6\% | 0.0\% | 0.0\% | 0.0\% | 1.0\% |
| Subtotal | 59.4\% | 2.8\% | 21.2\% | 35.4\% | 38.4\% | 16.9\% | 0.2\% | 0.1\% | 0.1\% | 3.7\% |
| TOTAL | 100.0\% | 5.7\% | 37.6\% | 56.7\% | 66.8\% | 26.8\% | 0.2\% | 0.6\% | 0.2\% | 5.3\% |

