TURNING MOVEMENT SUMMARY --- ver. 1.1
Section 1: 15 Minute Counts

NCDOT

COUNTY: DAVIDSON NEAR CITY: LEXINGTON

INTERSECTION: I-85 SB RAMPS & US 64

STATION #: 08TM0149 COUNTED BY: SENTERS

DATE: July 14 & 17, 2008 DAY OF WEEK: Thursday, Monday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
US 64
APPROACH: WEST

| TIME PERIOD | FROM NORTH ON A = I-85 SB RAMPS TO W. on US64 1 | S. on SBRAMPS 2 | E. on US64 3 | FROM EAST ON B = US 64 TO N. on SBRAMPS 4 | W. on US64 5 | S. on SBRAMPS 6 | FROM SOUTH ON C = I-85 SB RAMPS TO E. on US64 7 | N. on SBRAMPS 8 | W. on US64 9 | FROM WEST ON D = US 64 TO S. on SBRAMPS 10 | E. on US64 11 | N. on SBRAMPS 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6:00A | 8 | 0 | 2 | 0 | 33 | 20 | 0 | 0 | 0 | 7 | 57 | 0 | 127 | 0 | 11 | 0 | 11 |
| 6:15A | 16 | 0 | 2 | 0 | 67 | 16 | 0 | 0 | 0 | 14 | 71 | 0 | 186 | 7 | 10 | 0 | 17 |
| 6:30A | 22 | 0 | 4 | 0 | 88 | 27 | 0 | 0 | 0 | 13 | 86 | 0 | 240 | 3 | 13 | 0 | 16 |
| 6:45A | 23 | 0 | 0 | 0 | 96 | 22 | 0 | 0 | 0 | 5 | 81 | 0 | 227 | 9 | 18 | 0 | 27 |
| 7:00A | 10 | 0 | 3 | 0 | 64 | 19 | 0 | 0 | 0 | 6 | 60 | 0 | 162 | 9 | 10 | 0 | 19 |
| 7:15A | 20 | 0 | 4 | 0 | 113 | 23 | 0 | 0 | 0 | 9 | 86 | 0 | 255 | 15 | 16 | 0 | 31 |
| 7:30A | 26 | 0 | 2 | 0 | 93 | 34 | 0 | 0 | 0 | 5 | 58 | 0 | 218 | 6 | 14 | 0 | 20 |
| 7:45A | 30 | 0 | 2 | 0 | 84 | 15 | 0 | 0 | 0 | 7 | 63 | 0 | 201 | 8 | 15 | 0 | 23 |
| 8:00A | 27 | 0 | 2 | 0 | 96 | 28 | 0 | 0 | 0 | 14 | 75 | 0 | 242 | 16 | 9 | 0 | 25 |
| 8:15A | 30 | 0 | 3 | 0 | 80 | 17 | 0 | 0 | 0 | 5 | 85 | 0 | 220 | 5 | 10 | 0 | 15 |
| 8:30A | 25 | 1 | 9 | 0 | 83 | 28 | 0 | 0 | 0 | 10 | 71 | 0 | 227 | 11 | 10 | 0 | 21 |
| 8:45A | 28 | 2 | 4 | 0 | 69 | 22 | 0 | 0 | 0 | 13 | 65 | 0 | 203 | 12 | 14 | 0 | 26 |
| 9:00A | 29 | 0 | 0 | 0 | 67 | 26 | 0 | 0 | 0 | 4 | 72 | 0 | 198 | 11 | 28 | 0 | 39 |
| 9:15A | 18 | 0 | 3 | 0 | 65 | 23 | 0 | 0 | 0 | 8 | 76 | 0 | 193 | 10 | 18 | 0 | 28 |
| 9:30A | 11 | 0 | 1 | 0 | 59 | 17 | 0 | 0 | 0 | 9 | 76 | 0 | 173 | 9 | 19 | 0 | 28 |
| 9:45A | 7 | 0 | 4 | 0 | 56 | 21 | 0 | 0 | 0 | 15 | 79 | 0 | 182 | 8 | 14 | 0 | 22 |
| 10:00A | | | | | | | | | | | | | | | | | |
| 10:15A | | | | | | | | | | | | | | | | | |
| 10:30A | 24 | 0 | 3 | 0 | 57 | 17 | 0 | 0 | 0 | 14 | 101 | 0 | 216 | 15 | 15 | 0 | 30 |
| 10:45A | 19 | 0 | 7 | 0 | 73 | 21 | 0 | 0 | 0 | 9 | 67 | 0 | 196 | 15 | 9 | 0 | 24 |
| 11:00A | 16 | 0 | 5 | 0 | 60 | 21 | 0 | 0 | 0 | 9 | 84 | 0 | 195 | 9 | 14 | 0 | 23 |
| 11:15A | 17 | 0 | 3 | 0 | 73 | 27 | 0 | 0 | 0 | 7 | 66 | 0 | 193 | 7 | 21 | 0 | 28 |
| 11:30A | 16 | 0 | 3 | 0 | 77 | 27 | 0 | 0 | 0 | 12 | 65 | 0 | 200 | 12 | 13 | 0 | 25 |
| 11:45A | 22 | 1 | 2 | 0 | 64 | 27 | 0 | 0 | 0 | 17 | 66 | 0 | 199 | 9 | 14 | 0 | 23 |
| 12:00P | 16 | 0 | 0 | 0 | 51 | 21 | 0 | 0 | 0 | 9 | 70 | 0 | 167 | 11 | 21 | 0 | 32 |
| 12:15P | 23 | 0 | 5 | 0 | 79 | 18 | 0 | 0 | 0 | 13 | 68 | 0 | 206 | 11 | 12 | 0 | 23 |
| 12:30P | 37 | 1 | 3 | 0 | 54 | 21 | 0 | 0 | 0 | 16 | 80 | 0 | 212 | 12 | 15 | 0 | 27 |
| 12:45P | 22 | 0 | 5 | 0 | 69 | 17 | 0 | 0 | 0 | 11 | 83 | 0 | 207 | 14 | 12 | 0 | 26 |
| 1:00P | 19 | 0 | 5 | 0 | 70 | 22 | 0 | 0 | 0 | 16 | 65 | 0 | 197 | 10 | 7 | 0 | 17 |
| 1:15P | 27 | 0 | 3 | 0 | 70 | 18 | 0 | 0 | 0 | 8 | 83 | 0 | 209 | 7 | 19 | 0 | 26 |
| 1:30P | 23 | 0 | 5 | 0 | 82 | 19 | 0 | 0 | 0 | 10 | 60 | 0 | 199 | 9 | 19 | 0 | 28 |
| 1:45P | 25 | 1 | 3 | 0 | 63 | 17 | 0 | 0 | 0 | 11 | 80 | 0 | 200 | 9 | 15 | 0 | 24 |

| SHORT LABEL | ROAD, STREET or DRIVEWAY |
|---|---|
| SBRAMPS = | I-85 SB RAMPS |
| US64 = | US 64 |

| TIME PERIOD | FROM NORTH ON A = I-85 SB RAMPS TO W. on US64 1 | S. on SBRAMPS 2 | E. on US64 3 | FROM EAST ON B = US 64 TO N. on SBRAMPS 4 | W. on US64 5 | S. on SBRAMPS 6 | FROM SOUTH ON C = I-85 SB RAMPS TO E. on US64 7 | N. on SBRAMPS 8 | W. on US64 9 | FROM WEST ON D = US 64 TO S. on SBRAMPS 10 | E. on US64 11 | N. on SBRAMPS 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2:00P | 31 | 0 | 1 | 0 | 62 | 35 | 0 | 0 | 0 | 11 | 80 | 0 | 220 | 7 | 7 | 0 | 14 |
| 2:15P | 27 | 1 | 1 | 0 | 71 | 23 | 0 | 0 | 0 | 9 | 96 | 0 | 228 | 10 | 8 | 0 | 18 |
| 2:30P | 25 | 0 | 6 | 0 | 64 | 19 | 0 | 0 | 0 | 13 | 77 | 0 | 204 | 8 | 14 | 0 | 22 |
| 2:45P | 16 | 1 | 2 | 0 | 58 | 21 | 0 | 0 | 0 | 8 | 74 | 0 | 180 | 10 | 10 | 0 | 20 |
| 3:00P | 29 | 2 | 3 | 0 | 56 | 20 | 0 | 0 | 0 | 13 | 72 | 0 | 195 | 6 | 8 | 0 | 14 |
| 3:15P | 26 | 1 | 5 | 0 | 56 | 17 | 0 | 0 | 0 | 15 | 72 | 0 | 192 | 6 | 6 | 0 | 12 |
| 3:30P | 43 | 1 | 10 | 0 | 99 | 42 | 0 | 0 | 0 | 11 | 77 | 0 | 283 | 7 | 12 | 0 | 19 |
| 3:45P | 38 | 1 | 10 | 0 | 77 | 31 | 0 | 0 | 0 | 15 | 96 | 0 | 268 | 9 | 11 | 0 | 20 |
| 4:00P | 44 | 0 | 7 | 0 | 70 | 29 | 0 | 0 | 0 | 19 | 103 | 0 | 272 | 7 | 6 | 0 | 13 |
| 4:15P | 40 | 0 | 9 | 0 | 53 | 24 | 0 | 0 | 0 | 14 | 92 | 0 | 232 | 0 | 4 | 0 | 4 |
| 4:30P | 39 | 0 | 9 | 0 | 81 | 28 | 0 | 0 | 0 | 12 | 122 | 0 | 291 | 8 | 10 | 0 | 18 |
| 4:45P | 38 | 0 | 15 | 0 | 85 | 25 | 0 | 0 | 0 | 18 | 125 | 0 | 306 | 3 | 10 | 0 | 13 |
| 5:00P | 26 | 0 | 11 | 0 | 65 | 16 | 0 | 0 | 0 | 13 | 123 | 0 | 254 | 5 | 2 | 0 | 7 |
| 5:15P | 41 | 0 | 10 | 0 | 63 | 28 | 0 | 0 | 0 | 8 | 113 | 0 | 263 | 5 | 7 | 0 | 12 |
| 5:30P | 43 | 1 | 12 | 0 | 68 | 29 | 0 | 0 | 0 | 14 | 114 | 0 | 281 | 5 | 6 | 0 | 11 |
| 5:45P | 28 | 1 | 5 | 0 | 56 | 23 | 0 | 0 | 0 | 8 | 61 | 0 | 182 | 3 | 4 | 0 | 7 |
| 6:00P | 24 | 0 | 5 | 0 | 44 | 19 | 0 | 0 | 0 | 15 | 62 | 0 | 169 | 5 | 2 | 0 | 7 |
| 6:15P | 28 | 0 | 5 | 0 | 61 | 32 | 0 | 0 | 0 | 8 | 69 | 0 | 203 | 1 | 2 | 0 | 3 |
| 6:30P | | | | | | | | | | | | | | | | | |
| 6:45P | | | | | | | | | | | | | | | | | |
| 7:00P | 19 | 0 | 4 | 0 | 53 | 14 | 0 | 0 | 0 | 8 | 56 | 0 | 154 | 3 | 4 | 0 | 7 |
| 7:15P | 17 | 0 | 5 | 0 | 51 | 19 | 0 | 0 | 0 | 9 | 51 | 0 | 152 | 3 | 1 | 0 | 4 |
| 7:30P | 15 | 0 | 9 | 0 | 29 | 17 | 0 | 0 | 0 | 10 | 46 | 0 | 126 | 3 | 2 | 0 | 5 |
| 7:45P | 13 | 0 | 4 | 0 | 29 | 14 | 0 | 0 | 0 | 18 | 47 | 0 | 125 | 2 | 3 | 0 | 5 |
| 8:00P | 12 | 0 | 4 | 0 | 30 | 7 | 0 | 0 | 0 | 3 | 47 | 0 | 103 | 1 | 1 | 0 | 2 |
| 8:15P | 13 | 1 | 3 | 0 | 28 | 14 | 0 | 0 | 0 | 18 | 40 | 0 | 117 | 2 | 3 | 0 | 5 |
| 8:30P | 12 | 0 | 2 | 0 | 33 | 14 | 0 | 0 | 0 | 12 | 34 | 0 | 107 | 5 | 3 | 0 | 8 |
| 8:45P | 13 | 0 | 2 | 0 | 26 | 6 | 0 | 0 | 0 | 6 | 33 | 0 | 86 | 0 | 3 | 0 | 3 |
| 9:00P | 10 | 0 | 1 | 0 | 35 | 8 | 0 | 0 | 0 | 8 | 22 | 0 | 84 | 0 | 0 | 0 | 0 |
| 9:15P | 6 | 0 | 2 | 0 | 22 | 14 | 0 | 0 | 0 | 12 | 35 | 0 | 91 | 1 | 3 | 0 | 4 |
| 9:30P | 14 | 0 | 3 | 0 | 20 | 10 | 0 | 0 | 0 | 4 | 35 | 0 | 86 | 3 | 1 | 0 | 4 |
| 9:45P | 14 | 0 | 3 | 0 | 27 | 13 | 0 | 0 | 0 | 1 | 20 | 0 | 78 | 1 | 3 | 0 | 4 |
| 15.00-HOUR TOTALS | 1380 | 16 | 265 | 0 | 3727 | 1262 | 0 | 0 | 0 | 639 | 4293 | 0 | 11582 | 418 | 591 | 0 | 1009 |
| 24-HOUR PROJECTION | 1642 | 19 | 315 | 0 | 4339 | 1501 | 0 | 0 | 0 | 760 | 4998 | 0 | 13575 | 443 | 768 | 0 | 1211 |
| AM PEAK HOUR BEGINS AT 7:15A TOTALS | 103 | 0 | 10 | 0 | 386 | 100 | 0 | 0 | 0 | 35 | 282 | 0 | 916 | 45 | 54 | 0 | 99 |
| PM PEAK HOUR BEGINS AT 4:30P TOTALS | 144 | 0 | 45 | 0 | 294 | 97 | 0 | 0 | 0 | 51 | 483 | 0 | 1114 | 21 | 29 | 0 | 50 |

| SHORT LABEL | ROAD, STREET or DRIVEWAY |
|---|---|
| SBRAMPS = | I-85 SB RAMPS |
| US64 = | US 64 |

TURNING MOVEMENT SUMMARY --- ver. 1.1
Section 2: Summary Tables

| INTER-SECTION TOTALS AND FACTORS: | VOLUME SURVEYED | AM PEAK VOLUME AT 7:15A | PEAK HOUR PERCENTAGES |
|---|---|---|---|
| | 11582 | 916 | AM: 7%<br>PM: 8% |
| | PROJECTED 24-HOUR TOTAL | PM PEAK VOLUME AT 4:30P | PEAK HOUR FACTORS |
| | 13575 | 1114 | AM: 0.90<br>PM: 0.91 |

TRUCKS TOTALS ON WEST APPROACH OF US 64

| | DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|
| SURVEY | 418 | 591 | 0 | 1009 |
| PROJECTED | 443 | 768 | 0 | 1211 |
| PERCENTAGE | 3.8% | 6.5% | 0.0% | 10.3% |

| TOTALS AND FACTORS BY APPROACH: | A = NORTH APPR. OF I-85 SB RAMPS | | B = EAST APPR. OF US 64 | | C = SOUTH APPR. OF I-85 SB RAMPS | | D = WEST APPR. OF US 64 | |
|---|---|---|---|---|---|---|---|---|
| ALL HOURS IN SURVEY | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. |
| ENT. VOL. | 1661 | 1976 | 4989 | 5841 | 0 | 0 | 4932 | 5758 |
| EXT. VOL. | 0 | 0 | 4558 | 5314 | 1917 | 2281 | 5107 | 5981 |
| TOTAL VOL. | 1661 | 1976 | 9547 | 11154 | 1917 | 2281 | 10039 | 11739 |
| AM PEAK | HOUR BEGINS: 8:00A | | HOUR BEGINS: 7:15A | | HOUR BEGINS: 11:00A | | HOUR BEGINS: 7:15A | |
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 131 | 100% | 486 | 62% | 0 | 0% | 317 | 39% |
| EXT. VOL. | 0 | 0% | 292 | 38% | 148 | 100% | 489 | 61% |
| TOTAL VOL. | 131 | --- | 778 | --- | 148 | --- | 806 | --- |
| | % OF 24-HR. | PK. HR. FACTOR | % OF 24-HR. | PK. HR. FACTOR | % OF 24-HR. | PK. HR. FACTOR | % OF 24-HR. | PK. HR. FACTOR |
| FACTORS | 7% | 0.94 | 7% | 0.86 | 6% | 0.82 | 7% | 0.88 |
| PM PEAK | HOUR BEGINS: 3:30P | | HOUR BEGINS: 4:30P | | HOUR BEGINS: 3:30P | | HOUR BEGINS: 4:30P | |
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 203 | 100% | 391 | 43% | 0 | 0% | 534 | 55% |
| EXT. VOL. | 0 | 0% | 528 | 57% | 187 | 100% | 438 | 45% |
| TOTAL VOL. | 203 | --- | 919 | --- | 187 | --- | 972 | --- |
| | % OF 24-HR. | PK. HR. FACTOR | % OF 24-HR. | PK. HR. FACTOR | % OF 24-HR. | PK. HR. FACTOR | % OF 24-HR. | PK. HR. FACTOR |
| FACTORS | 10% | 0.94 | 8% | 0.92 | 8% | 0.87 | 8% | 0.91 |

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

```
                                  NORTH APPROACH
                                      SBRAMPS
                                     +------+
                                     | 1976 |
                                     +------+
                                  1642    19   315
                                  Right Thru  Left



                       0  Left                TOTAL ENTERING VOLUME:                Right    0
  WEST       +------+                                                                      +------+        EAST
      US64   |11739 | 4998  Thru                  ++======++                      Thru  4339 |11154 |US64
APPROACH     +------+                             ||13575 ||                                +------+      APPROACH
                     760  Right                    ++======++                      Left  1501



                                  Left  Thru  Right
                                    0     0     0
                                     +------+
                                     | 2281 |
                                     +------+
                                      SBRAMPS
                                  SOUTH APPROACH
```

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                                    TURNING MOVEMENT SUMMARY
                                    Section 4:  AM Peak Hour Diagram
                                          7:15A

                                      NORTH APPROACH
                                         SBRAMPS
                                        +-------+
                                        |  113  |
                                        +-------+
                                     103     0    10
                                    Right Thru  Left



                        0  Left                TOTAL ENTERING VOLUME:                Right    0
  WEST        +-------+                                                                  +-------+        EAST
      US64    |  806  |  282  Thru                  ++=======++                     Thru   386 |  778  |US64
APPROACH      +-------+                             ||  916  ||                                +-------+      APPROACH
                       35  Right                    ++=======++                     Left   100


                                     Left  Thru  Right
                                        0     0     0
                                        +-------+
                                        |  135  |
                                        +-------+
                                         SBRAMPS
                                      SOUTH APPROACH
```

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                                    TURNING MOVEMENT SUMMARY
                                    Section 5:  PM Peak Hour Diagram
                                          4:30P

                                      NORTH APPROACH
                                         SBRAMPS
                                        +-------+
                                        |  189  |
                                        +-------+
                                     144     0    45
                                    Right Thru  Left


                                 0  Left                TOTAL ENTERING VOLUME:                Right    0
  WEST        +-------+                                                                                +-------+        EAST
      US64    |  972  |    483  Thru                       ++=======++                      Thru   294 |  919  |US64
APPROACH      +-------+                                    || 1114 ||                                +-------+      APPROACH
                             51  Right                     ++=======++                      Left    97


                                      Left  Thru  Right
                                        0     0     0
                                        +-------+
                                        |  148  |
                                        +-------+
                                         SBRAMPS
                                      SOUTH APPROACH
```