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

NCDOT

COUNTY: BUNCOMBE NEAR CITY: ASHEVILLE

INTERSECTION: US 19/23 & NC 151 & SR 1220 DOGWOOD RD

STATION #: 08TM0237 COUNTED BY: NELSON & SENTERS

DATE: October 7 & 10, 2008 DAY OF WEEK: Friday, Tuesday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
NC 151
APPROACH: SOUTH

| TIME PERIOD | FROM NORTH ON A = SR 1220 DOGWOOD RD TO W. on US19/23 1 | S. on NC151 2 | E. on US19/23 3 | FROM EAST ON B = US 19/23 TO N. on SR1220 4 | W. on US19/23 5 | S. on NC151 6 | FROM SOUTH ON C = NC 151 TO E. on US19/23 7 | N. on SR1220 8 | W. on US19/23 9 | FROM WEST ON D = US 19/23 TO S. on NC151 10 | E. on US19/23 11 | N. on SR1220 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6:00A | 0 | 5 | 21 | 2 | 24 | 6 | 49 | 1 | 4 | 0 | 55 | 1 | 168 | 3 | 0 | 0 | 3 |
| 6:15A | 3 | 2 | 23 | 6 | 30 | 4 | 66 | 2 | 6 | 3 | 105 | 1 | 251 | 3 | 0 | 0 | 3 |
| 6:30A | 2 | 10 | 19 | 1 | 22 | 7 | 70 | 3 | 16 | 4 | 115 | 0 | 269 | 1 | 0 | 0 | 1 |
| 6:45A | 5 | 6 | 17 | 1 | 38 | 6 | 79 | 4 | 10 | 6 | 135 | 6 | 313 | 1 | 0 | 0 | 1 |
| 7:00A | 3 | 12 | 24 | 6 | 37 | 11 | 92 | 6 | 23 | 18 | 135 | 1 | 368 | 4 | 0 | 0 | 4 |
| 7:15A | 7 | 23 | 33 | 13 | 98 | 37 | 148 | 14 | 30 | 16 | 200 | 5 | 624 | 3 | 2 | 0 | 5 |
| 7:30A | 10 | 22 | 26 | 9 | 88 | 40 | 147 | 23 | 24 | 23 | 172 | 7 | 591 | 4 | 1 | 0 | 5 |
| 7:45A | 5 | 25 | 29 | 23 | 84 | 35 | 118 | 19 | 43 | 25 | 140 | 5 | 551 | 4 | 2 | 0 | 6 |
| 8:00A | 7 | 22 | 29 | 17 | 85 | 32 | 91 | 18 | 20 | 17 | 126 | 4 | 468 | 2 | 0 | 0 | 2 |
| 8:15A | 3 | 11 | 48 | 14 | 66 | 29 | 103 | 11 | 28 | 8 | 148 | 0 | 469 | 3 | 0 | 0 | 3 |
| 8:30A | 7 | 4 | 28 | 19 | 68 | 22 | 87 | 5 | 19 | 5 | 127 | 3 | 394 | 4 | 1 | 0 | 5 |
| 8:45A | 2 | 1 | 20 | 12 | 81 | 16 | 59 | 4 | 20 | 7 | 98 | 7 | 327 | 4 | 0 | 0 | 4 |
| 9:00A | 4 | 3 | 27 | 18 | 68 | 24 | 57 | 4 | 12 | 8 | 102 | 1 | 328 | 5 | 1 | 0 | 6 |
| 9:15A | 4 | 6 | 40 | 30 | 88 | 27 | 78 | 6 | 14 | 14 | 102 | 1 | 410 | 4 | 1 | 0 | 5 |
| 9:30A | 6 | 2 | 26 | 26 | 82 | 32 | 64 | 8 | 20 | 10 | 120 | 3 | 399 | 5 | 0 | 0 | 5 |
| 9:45A | 7 | 9 | 26 | 22 | 88 | 39 | 68 | 7 | 15 | 7 | 97 | 7 | 392 | 8 | 1 | 0 | 9 |
| 10:00A | | | | | | | | | | | | | | | | | |
| 10:15A | | | | | | | | | | | | | | | | | |
| 10:30A | 2 | 5 | 38 | 17 | 94 | 24 | 64 | 7 | 16 | 8 | 102 | 1 | 378 | 6 | 0 | 0 | 6 |
| 10:45A | 1 | 7 | 37 | 12 | 93 | 36 | 65 | 8 | 20 | 11 | 130 | 3 | 423 | 8 | 0 | 0 | 8 |
| 11:00A | 2 | 6 | 31 | 25 | 117 | 48 | 72 | 9 | 17 | 12 | 104 | 4 | 447 | 9 | 1 | 0 | 10 |
| 11:15A | 4 | 4 | 19 | 11 | 81 | 32 | 57 | 5 | 13 | 11 | 105 | 6 | 348 | 6 | 2 | 0 | 8 |
| 11:30A | 6 | 6 | 31 | 34 | 95 | 31 | 57 | 6 | 26 | 12 | 102 | 7 | 413 | 2 | 0 | 0 | 2 |
| 11:45A | 10 | 8 | 31 | 28 | 130 | 26 | 48 | 8 | 13 | 16 | 110 | 2 | 430 | 7 | 0 | 0 | 7 |
| 12:00P | 3 | 17 | 35 | 25 | 149 | 59 | 55 | 9 | 13 | 9 | 122 | 8 | 504 | 6 | 0 | 0 | 6 |
| 12:15P | 1 | 5 | 22 | 23 | 136 | 50 | 39 | 16 | 17 | 10 | 116 | 3 | 438 | 3 | 1 | 0 | 4 |
| 12:30P | 6 | 13 | 41 | 27 | 111 | 51 | 63 | 2 | 10 | 11 | 122 | 5 | 462 | 4 | 0 | 0 | 4 |
| 12:45P | 4 | 9 | 28 | 24 | 140 | 58 | 53 | 15 | 4 | 6 | 155 | 7 | 503 | 6 | 1 | 0 | 7 |
| 1:00P | 5 | 12 | 29 | 31 | 135 | 45 | 54 | 7 | 20 | 8 | 115 | 10 | 471 | 3 | 0 | 0 | 3 |
| 1:15P | 7 | 8 | 38 | 22 | 128 | 62 | 76 | 7 | 18 | 9 | 116 | 6 | 497 | 5 | 0 | 0 | 5 |
| 1:30P | 3 | 8 | 29 | 22 | 115 | 59 | 58 | 10 | 16 | 13 | 112 | 7 | 452 | 6 | 3 | 0 | 9 |
| 1:45P | 7 | 10 | 27 | 39 | 144 | 57 | 50 | 6 | 19 | 11 | 99 | 6 | 475 | 7 | 0 | 0 | 7 |

| SHORT LABEL | ROAD, STREET or DRIVEWAY |
|---|---|
| SR1220 = | SR 1220 DOGWOOD RD |
| US19/23 = | US 19/23 |
| NC151 = | NC 151 |

| TIME PERIOD | FROM NORTH ON A = SR 1220 DOGWOOD RD TO W. on US19/23 1 | S. on NC151 2 | E. on US19/23 3 | FROM EAST ON B = US 19/23 TO N. on SR1220 4 | W. on US19/23 5 | S. on NC151 6 | FROM SOUTH ON C = NC 151 TO E. on US19/23 7 | N. on SR1220 8 | W. on US19/23 9 | FROM WEST ON D = US 19/23 TO S. on NC151 10 | E. on US19/23 11 | N. on SR1220 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2:00P | 4 | 16 | 25 | 25 | 130 | 62 | 37 | 6 | 9 | 5 | 87 | 3 | 409 | 5 | 1 | 0 | 6 |
| 2:15P | 3 | 14 | 29 | 33 | 130 | 59 | 37 | 7 | 6 | 12 | 96 | 3 | 429 | 5 | 1 | 0 | 6 |
| 2:30P | 6 | 11 | 40 | 27 | 122 | 43 | 57 | 14 | 12 | 9 | 121 | 7 | 469 | 4 | 0 | 0 | 4 |
| 2:45P | 2 | 9 | 35 | 35 | 121 | 49 | 56 | 12 | 15 | 12 | 98 | 6 | 450 | 6 | 1 | 0 | 7 |
| 3:00P | 2 | 9 | 22 | 24 | 133 | 58 | 48 | 11 | 8 | 11 | 98 | 4 | 428 | 8 | 0 | 0 | 8 |
| 3:15P | 9 | 16 | 25 | 30 | 146 | 58 | 43 | 14 | 21 | 9 | 91 | 1 | 463 | 7 | 1 | 0 | 8 |
| 3:30P | 7 | 8 | 29 | 27 | 168 | 61 | 56 | 10 | 20 | 3 | 101 | 0 | 490 | 3 | 3 | 0 | 6 |
| 3:45P | 8 | 14 | 27 | 49 | 149 | 58 | 49 | 8 | 14 | 12 | 121 | 6 | 515 | 4 | 0 | 0 | 4 |
| 4:00P | 4 | 16 | 26 | 31 | 154 | 74 | 59 | 12 | 19 | 9 | 117 | 5 | 526 | 10 | 1 | 0 | 11 |
| 4:15P | 3 | 12 | 33 | 46 | 153 | 85 | 46 | 6 | 12 | 9 | 96 | 1 | 502 | 4 | 0 | 0 | 4 |
| 4:30P | 7 | 10 | 26 | 36 | 182 | 79 | 56 | 9 | 14 | 14 | 99 | 4 | 536 | 3 | 1 | 0 | 4 |
| 4:45P | 2 | 17 | 25 | 30 | 178 | 84 | 58 | 9 | 21 | 15 | 114 | 3 | 556 | 3 | 0 | 0 | 3 |
| 5:00P | 5 | 15 | 31 | 36 | 219 | 76 | 41 | 9 | 18 | 10 | 115 | 5 | 580 | 2 | 1 | 0 | 3 |
| 5:15P | 7 | 23 | 30 | 42 | 203 | 93 | 45 | 13 | 29 | 16 | 120 | 5 | 626 | 3 | 0 | 0 | 3 |
| 5:30P | 6 | 33 | 28 | 30 | 195 | 94 | 51 | 7 | 14 | 21 | 114 | 3 | 596 | 5 | 0 | 0 | 5 |
| 5:45P | 5 | 18 | 22 | 32 | 181 | 92 | 46 | 15 | 32 | 24 | 121 | 6 | 594 | 4 | 0 | 0 | 4 |
| 6:00P | 6 | 16 | 26 | 32 | 167 | 89 | 39 | 16 | 23 | 15 | 104 | 3 | 536 | 2 | 1 | 0 | 3 |
| 6:15P | 4 | 15 | 26 | 30 | 126 | 67 | 47 | 8 | 13 | 10 | 86 | 1 | 433 | 4 | 0 | 0 | 4 |
| 6:30P | | | | | | | | | | | | | | | | | |
| 6:45P | | | | | | | | | | | | | | | | | |
| 7:00P | 5 | 8 | 20 | 27 | 122 | 63 | 42 | 10 | 9 | 10 | 78 | 3 | 397 | 0 | 0 | 0 | 0 |
| 7:15P | 2 | 6 | 20 | 27 | 135 | 64 | 24 | 4 | 4 | 11 | 66 | 2 | 365 | 5 | 0 | 0 | 5 |
| 7:30P | 6 | 5 | 12 | 19 | 95 | 54 | 28 | 8 | 12 | 9 | 77 | 3 | 328 | 3 | 0 | 0 | 3 |
| 7:45P | 1 | 15 | 10 | 23 | 95 | 55 | 23 | 9 | 19 | 4 | 53 | 2 | 309 | 0 | 0 | 0 | 0 |
| 8:00P | | | | | | | | | | | | | | | | | |
| 8:15P | | | | | | | | | | | | | | | | | |
| 8:30P | | | | | | | | | | | | | | | | | |
| 8:45P | | | | | | | | | | | | | | | | | |
| 9:00P | | | | | | | | | | | | | | | | | |
| 9:15P | | | | | | | | | | | | | | | | | |
| 9:30P | | | | | | | | | | | | | | | | | |
| 9:45P | | | | | | | | | | | | | | | | | |
| 13.00-HOUR TOTALS | 240 | 587 | 1439 | 1250 | 6019 | 2522 | 3175 | 467 | 870 | 568 | 5760 | 203 | 23100 | 226 | 28 | 0 | 254 |
| 24-HOUR PROJECTION | 314 | 767 | 1880 | 1633 | 7704 | 3227 | 4063 | 610 | 1113 | 727 | 7372 | 265 | 29675 | 237 | 35 | 0 | 272 |
| AM PEAK HOUR BEGINS AT 7:15A TOTALS | 29 | 92 | 117 | 62 | 355 | 144 | 504 | 74 | 117 | 81 | 638 | 21 | 2234 | 13 | 5 | 0 | 18 |
| PM PEAK HOUR BEGINS AT 5:00P TOTALS | 23 | 89 | 111 | 140 | 798 | 355 | 183 | 44 | 93 | 71 | 470 | 19 | 2396 | 14 | 1 | 0 | 15 |

| SHORT LABEL | | ROAD, STREET or DRIVEWAY |
|---|---|---|
| SR1220 | = | SR 1220 DOGWOOD RD |
| US19/23 | = | US 19/23 |
| NC151 | = | NC 151 |

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 |
|---|---|---|---|
| | 23100 | 2234 | AM: 8%<br>PM: 8% |
| | PROJECTED 24-HOUR TOTAL | PM PEAK VOLUME AT 5:00P | PEAK HOUR FACTORS |
| | 29675 | 2396 | AM: 0.90<br>PM: 0.96 |

TRUCKS TOTALS ON SOUTH APPROACH OF NC 151

| | DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|
| SURVEY | 226 | 28 | 0 | 254 |
| PROJECTED | 237 | 35 | 0 | 272 |
| PERCENTAGE | 2.3% | 0.3% | 0.0% | 2.6% |

| TOTALS AND FACTORS BY APPROACH: | A = NORTH APPR. OF SR 1220 DOGWOOD RD | | B = EAST APPR. OF US 19/23 | | C = SOUTH APPR. OF NC 151 | | D = WEST APPR. OF US 19/23 | |
|---|---|---|---|---|---|---|---|---|
| ALL HOURS IN SURVEY | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. |
| ENT. VOL. | 2266 | 2961 | 9791 | 12564 | 4512 | 5786 | 6531 | 8365 |
| EXT. VOL. | 1920 | 2509 | 10374 | 13315 | 3677 | 4721 | 7129 | 9131 |
| TOTAL VOL. | 4186 | 5469 | 20165 | 25880 | 8189 | 10507 | 13660 | 17495 |
| AM PEAK | HOUR BEGINS: | 7:15A | HOUR BEGINS: | 7:15A | HOUR BEGINS: | 7:15A | HOUR BEGINS: | 7:15A |
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 238 | 60% | 561 | 31% | 695 | 69% | 740 | 60% |
| EXT. VOL. | 157 | 40% | 1259 | 69% | 317 | 31% | 501 | 40% |
| TOTAL VOL. | 395 | --- | 1820 | --- | 1012 | --- | 1241 | --- |
| | % 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% | 0.93 | 7% | 0.86 | 10% | 0.91 | 7% | 0.87 |
| PM PEAK | HOUR BEGINS: | 5:00P | HOUR BEGINS: | 5:00P | HOUR BEGINS: | 5:15P | HOUR BEGINS: | 5:00P |
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 223 | 52% | 1293 | 63% | 330 | 38% | 560 | 38% |
| EXT. VOL. | 203 | 48% | 764 | 37% | 534 | 62% | 914 | 62% |
| TOTAL VOL. | 426 | --- | 2057 | --- | 864 | --- | 1474 | --- |
| | % 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 | 8% | 0.89 | 8% | 0.96 | 8% | 0.95 | 8% | 0.97 |

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

```
                                  NORTH APPROACH
                                      SR1220
                                     +-------+
                                     | 5469 |
                                     +-------+
                                  314   767  1880
                                 Right Thru  Left

                     265  Left                TOTAL ENTERING VOLUME:              Right 1633
 WEST       +-------+                                                                      +-------+        EAST
     US19/2|17495 | 7372  Thru                   ++======++                      Thru  7704 |25880 |US19/23
APPROACH    +-------+                             ||29675 ||                                +-------+      APPROACH
                     727  Right                   ++======++                      Left  3227

                                  Left  Thru  Right
                                  1113   610  4063
                                     +-------+
                                     |10507 |
                                     +-------+
                                      NC151
                                  SOUTH APPROACH
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                                    TURNING MOVEMENT SUMMARY
                                    Section 4:  AM Peak Hour Diagram
                                           7:15A

                                       NORTH APPROACH
                                          SR1220
                                         +-------+
                                         |  395  |
                                         +-------+
                                       29    92   117
                                     Right Thru  Left


                        21  Left                TOTAL ENTERING VOLUME:                Right   62
  WEST        +-------+                                                                          +-------+        EAST
      US19/2| 1241  |  638  Thru                  ++=======++                       Thru   355 | 1820  |US19/23
APPROACH      +-------+                            || 2234 ||                                  +-------+       APPROACH
                        81  Right                  ++=======++                       Left   144


                                       Left  Thru  Right
                                        117    74   504
                                         +-------+
                                         | 1012  |
                                         +-------+
                                          NC151
                                       SOUTH APPROACH
```

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                                    TURNING MOVEMENT SUMMARY
                                    Section 5:  PM Peak Hour Diagram
                                          5:00P

                                       NORTH APPROACH
                                          SR1220
                                         +-------+
                                         |  426  |
                                         +-------+
                                       23    89   111
                                     Right Thru  Left

                          19  Left                TOTAL ENTERING VOLUME:                Right  140
  WEST        +-------+                                                                          +-------+        EAST
      US19/2| 1474  |  470  Thru                    ++======++                       Thru   798 | 2057  |US19/23
APPROACH      +-------+                             || 2396 ||                                 +-------+      APPROACH
                          71  Right                  ++======++                       Left   355

                                       Left  Thru  Right
                                        93    44   183
                                         +-------+
                                         |  835  |
                                         +-------+
                                          NC151
                                       SOUTH APPROACH
```