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

COUNTY: AVERY NEAR CITY: SUGAR MOUNTAIN

INTERSECTION: NC 105 & NC 184 & LOWES DW

STATION #: 08TM0130 COUNTED BY: Evans

DATE: July 8 & 11, 2008 DAY OF WEEK: Friday, Tuesday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
NC 105
APPROACH: EAST

| TIME PERIOD | FROM EAST ON A = NC 105 TO NW. on NC184 1 | W. on NC105 2 | SE. on LOWES 3 | FROM SOUTHEAST ON B = LOWES DW TO E. on NC105 4 | NW. on NC184 5 | W. on NC105 6 | FROM WEST ON C = NC 105 TO SE. on LOWES 7 | E. on NC105 8 | NW. on NC184 9 | FROM NORTHWEST ON D = NC 184 TO W. on NC105 10 | SE. on LOWES 11 | E. on NC105 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6:00A | 7 | 8 | 1 | 1 | 1 | 2 | 5 | 18 | 5 | 2 | 5 | 9 | 64 | 4 | 4 | 0 | 8 |
| 6:15A | 11 | 18 | 1 | 2 | 3 | 5 | 2 | 19 | 8 | 8 | 8 | 21 | 106 | 3 | 4 | 0 | 7 |
| 6:30A | 19 | 32 | 3 | 0 | 7 | 5 | 5 | 28 | 20 | 20 | 6 | 25 | 170 | 6 | 4 | 0 | 10 |
| 6:45A | 34 | 32 | 1 | 3 | 7 | 4 | 7 | 33 | 29 | 24 | 9 | 23 | 206 | 3 | 1 | 0 | 4 |
| 7:00A | 41 | 39 | 6 | 2 | 5 | 16 | 11 | 33 | 17 | 19 | 8 | 20 | 217 | 4 | 3 | 0 | 7 |
| 7:15A | 78 | 56 | 3 | 7 | 11 | 18 | 13 | 43 | 37 | 19 | 16 | 44 | 345 | 7 | 2 | 0 | 9 |
| 7:30A | 63 | 56 | 1 | 0 | 14 | 15 | 13 | 62 | 46 | 45 | 17 | 59 | 391 | 7 | 1 | 0 | 8 |
| 7:45A | 62 | 68 | 6 | 6 | 20 | 18 | 24 | 49 | 46 | 38 | 10 | 51 | 398 | 8 | 3 | 0 | 11 |
| 8:00A | 64 | 71 | 5 | 8 | 14 | 15 | 9 | 44 | 43 | 44 | 15 | 41 | 373 | 14 | 1 | 0 | 15 |
| 8:15A | 49 | 59 | 3 | 4 | 12 | 11 | 26 | 61 | 50 | 26 | 18 | 46 | 365 | 4 | 0 | 0 | 4 |
| 8:30A | 45 | 64 | 5 | 6 | 10 | 11 | 20 | 64 | 55 | 29 | 22 | 50 | 381 | 7 | 2 | 0 | 9 |
| 8:45A | 66 | 88 | 4 | 3 | 23 | 11 | 22 | 52 | 42 | 41 | 16 | 52 | 420 | 14 | 6 | 0 | 20 |
| 9:00A | 50 | 54 | 8 | 16 | 18 | 11 | 21 | 47 | 49 | 55 | 16 | 54 | 399 | 15 | 1 | 0 | 16 |
| 9:15A | 33 | 54 | 6 | 6 | 10 | 6 | 13 | 47 | 36 | 45 | 19 | 56 | 331 | 10 | 2 | 0 | 12 |
| 9:30A | 57 | 78 | 3 | 8 | 20 | 8 | 18 | 50 | 37 | 30 | 25 | 85 | 419 | 10 | 1 | 0 | 11 |
| 9:45A | 60 | 79 | 7 | 6 | 23 | 19 | 13 | 56 | 62 | 58 | 15 | 60 | 458 | 7 | 3 | 0 | 10 |
| 10:00A | | | | | | | | | | | | | | | | | |
| 10:15A | | | | | | | | | | | | | | | | | |
| 10:30A | 66 | 89 | 3 | 5 | 14 | 11 | 17 | 86 | 49 | 49 | 22 | 71 | 482 | 8 | 4 | 0 | 12 |
| 10:45A | 53 | 75 | 3 | 11 | 25 | 21 | 18 | 81 | 36 | 50 | 19 | 108 | 500 | 5 | 6 | 0 | 11 |
| 11:00A | 60 | 69 | 8 | 7 | 19 | 13 | 14 | 103 | 57 | 42 | 20 | 82 | 494 | 6 | 1 | 0 | 7 |
| 11:15A | 49 | 90 | 4 | 5 | 17 | 11 | 21 | 65 | 50 | 50 | 22 | 82 | 466 | 7 | 3 | 0 | 10 |
| 11:30A | 66 | 72 | 11 | 7 | 18 | 28 | 23 | 86 | 49 | 54 | 21 | 78 | 513 | 4 | 2 | 0 | 6 |
| 11:45A | 33 | 65 | 4 | 4 | 20 | 23 | 16 | 73 | 60 | 50 | 24 | 86 | 458 | 7 | 0 | 0 | 7 |
| 12:00P | 30 | 95 | 7 | 6 | 29 | 19 | 22 | 65 | 50 | 41 | 27 | 83 | 474 | 2 | 1 | 0 | 3 |
| 12:15P | 77 | 85 | 8 | 12 | 24 | 23 | 13 | 107 | 46 | 57 | 27 | 91 | 570 | 13 | 6 | 0 | 19 |
| 12:30P | 84 | 103 | 8 | 10 | 28 | 25 | 20 | 83 | 48 | 46 | 26 | 77 | 558 | 13 | 8 | 0 | 21 |
| 12:45P | 57 | 77 | 4 | 6 | 23 | 32 | 16 | 97 | 46 | 41 | 28 | 82 | 509 | 9 | 0 | 0 | 9 |
| 1:00P | 58 | 52 | 11 | 13 | 24 | 18 | 18 | 94 | 61 | 14 | 19 | 91 | 473 | 6 | 2 | 0 | 8 |
| 1:15P | 70 | 57 | 9 | 11 | 22 | 23 | 18 | 72 | 51 | 36 | 25 | 58 | 452 | 4 | 6 | 0 | 10 |
| 1:30P | 69 | 93 | 11 | 5 | 25 | 21 | 15 | 105 | 67 | 46 | 17 | 71 | 545 | 9 | 1 | 0 | 10 |
| 1:45P | 74 | 87 | 15 | 12 | 21 | 20 | 14 | 101 | 51 | 50 | 21 | 78 | 544 | 9 | 2 | 0 | 11 |

| SHORT LABEL | ROAD, STREET or DRIVEWAY |
|---|---|
| NC105 | = NC 105 |
| LOWES | = LOWES DW |
| NC184 | = NC 184 |

| TIME PERIOD | FROM EAST ON A = NC 105 TO NW. on NC184 1 | W. on NC105 2 | SE. on LOWES 3 | FROM SOUTHEAST ON B = LOWES DW TO E. on NC105 4 | NW. on NC184 5 | W. on NC105 6 | FROM WEST ON C = NC 105 TO SE. on LOWES 7 | E. on NC105 8 | NW. on NC184 9 | FROM NORTHWEST ON D = NC 184 TO W. on NC105 10 | SE. on LOWES 11 | E. on NC105 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2:00P | 25 | 36 | 2 | 10 | 22 | 3 | 10 | 46 | 25 | 30 | 23 | 52 | 284 | 6 | 2 | 0 | 8 |
| 2:15P | 81 | 48 | 1 | 8 | 24 | 19 | 14 | 65 | 48 | 37 | 18 | 72 | 435 | 6 | 10 | 0 | 16 |
| 2:30P | 69 | 63 | 1 | 8 | 16 | 20 | 18 | 65 | 39 | 18 | 19 | 61 | 397 | 2 | 1 | 0 | 3 |
| 2:45P | 62 | 84 | 5 | 5 | 17 | 16 | 14 | 84 | 48 | 27 | 24 | 65 | 451 | 0 | 3 | 0 | 3 |
| 3:00P | 69 | 67 | 8 | 5 | 15 | 12 | 23 | 84 | 54 | 32 | 12 | 90 | 471 | 11 | 8 | 0 | 19 |
| 3:15P | 69 | 74 | 8 | 13 | 39 | 24 | 29 | 87 | 51 | 19 | 22 | 68 | 503 | 8 | 5 | 0 | 13 |
| 3:30P | 72 | 72 | 10 | 12 | 33 | 23 | 26 | 90 | 49 | 20 | 20 | 72 | 499 | 5 | 4 | 0 | 9 |
| 3:45P | 64 | 76 | 6 | 8 | 19 | 14 | 21 | 94 | 39 | 23 | 29 | 112 | 505 | 4 | 1 | 0 | 5 |
| 4:00P | 37 | 85 | 11 | 11 | 28 | 36 | 15 | 124 | 45 | 39 | 29 | 100 | 560 | 15 | 1 | 0 | 16 |
| 4:15P | 35 | 78 | 9 | 9 | 22 | 34 | 13 | 119 | 54 | 30 | 19 | 89 | 511 | 11 | 2 | 0 | 13 |
| 4:30P | 91 | 99 | 5 | 6 | 30 | 21 | 9 | 89 | 44 | 33 | 28 | 75 | 530 | 6 | 3 | 0 | 9 |
| 4:45P | 90 | 81 | 3 | 6 | 22 | 26 | 17 | 67 | 47 | 39 | 14 | 65 | 477 | 7 | 0 | 0 | 7 |
| 5:00P | 85 | 84 | 5 | 5 | 24 | 24 | 18 | 98 | 47 | 21 | 15 | 81 | 507 | 8 | 2 | 0 | 10 |
| 5:15P | 94 | 79 | 4 | 12 | 25 | 14 | 16 | 99 | 67 | 29 | 13 | 67 | 519 | 6 | 3 | 0 | 9 |
| 5:30P | 90 | 80 | 7 | 10 | 22 | 15 | 15 | 91 | 59 | 33 | 9 | 73 | 504 | 5 | 1 | 0 | 6 |
| 5:45P | 61 | 74 | 3 | 7 | 12 | 22 | 7 | 64 | 55 | 37 | 8 | 50 | 400 | 6 | 1 | 0 | 7 |
| 6:00P | 71 | 29 | 0 | 6 | 10 | 12 | 12 | 55 | 47 | 29 | 14 | 54 | 339 | 1 | 2 | 0 | 3 |
| 6:15P | 57 | 44 | 1 | 2 | 14 | 15 | 18 | 38 | 33 | 21 | 13 | 47 | 303 | 1 | 1 | 0 | 2 |
| 6:30P | | | | | | | | | | | | | | | | | |
| 6:45P | | | | | | | | | | | | | | | | | |
| 7:00P | 39 | 31 | 1 | 3 | 9 | 14 | 2 | 26 | 14 | 32 | 9 | 44 | 224 | 1 | 0 | 0 | 1 |
| 7:15P | 38 | 32 | 0 | 1 | 13 | 4 | 3 | 17 | 19 | 18 | 9 | 22 | 176 | 1 | 0 | 0 | 1 |
| 7:30P | 33 | 26 | 0 | 1 | 2 | 4 | 5 | 17 | 14 | 16 | 8 | 29 | 155 | 1 | 0 | 0 | 1 |
| 7:45P | 30 | 29 | 1 | 0 | 3 | 5 | 3 | 11 | 14 | 16 | 2 | 36 | 150 | 1 | 0 | 0 | 1 |
| 8:00P | | | | | | | | | | | | | | | | | |
| 8:15P | | | | | | | | | | | | | | | | | |
| 8:30P | | | | | | | | | | | | | | | | | |
| 8:45P | | | | | | | | | | | | | | | | | |
| 9:00P | | | | | | | | | | | | | | | | | |
| 9:15P | | | | | | | | | | | | | | | | | |
| 9:30P | | | | | | | | | | | | | | | | | |
| 9:45P | | | | | | | | | | | | | | | | | |
| 13.00-HOUR TOTALS | 2947 | 3336 | 260 | 340 | 928 | 840 | 775 | 3454 | 2215 | 1728 | 900 | 3258 | 20981 | 337 | 130 | 0 | 467 |
| 24-HOUR PROJECTION | 3770 | 4268 | 329 | 430 | 1174 | 1063 | 980 | 4418 | 2833 | 2211 | 1138 | 4168 | 26782 | 354 | 163 | 0 | 516 |
| AM PEAK HOUR BEGINS AT 11:30A TOTALS | 206 | 317 | 30 | 29 | 91 | 93 | 74 | 331 | 205 | 202 | 99 | 338 | 2015 | 26 | 9 | 0 | 35 |
| PM PEAK HOUR BEGINS AT 12:00P TOTALS | 248 | 360 | 27 | 34 | 104 | 99 | 71 | 352 | 190 | 185 | 108 | 333 | 2111 | 37 | 15 | 0 | 52 |

| SHORT LABEL | | ROAD, STREET or DRIVEWAY |
|---|---|---|
| NC105 | = | NC 105 |
| LOWES | = | LOWES DW |
| NC184 | = | NC 184 |

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

INTER-SECTION TOTALS AND FACTORS:

| VOLUME SURVEYED | AM PEAK VOLUME AT 11:30A | PEAK HOUR PERCENTAGES |
|---|---|---|
| 20981 | 2015 | AM: 8%<br>PM: 8% |
| **PROJECTED 24-HOUR TOTAL** | **PM PEAK VOLUME AT 12:00P** | **PEAK HOUR FACTORS** |
| 26782 | 2111 | AM: 0.88<br>PM: 0.93 |

TRUCKS TOTALS ON EAST APPROACH OF NC 105

| | DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|
| SURVEY | 337 | 130 | 0 | 467 |
| PROJECTED | 354 | 163 | 0 | 516 |
| PERCENTAGE | 2.0% | 0.9% | 0.0% | 3.0 |

TOTALS AND FACTORS BY APPROACH:

| ALL HOURS IN SURVEY | A = EAST APPR. OF NC 105 | | B = SOUTHEAST APPR. OF LOWES DW | | C = WEST APPR. OF NC 105 | | D = NORTHWEST APPR. OF NC 184 | |
|---|---|---|---|---|---|---|---|---|
| | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. |
| ENT. VOL. | 6543 | 8366 | 2108 | 2667 | 6444 | 8232 | 5886 | 7517 |
| EXT. VOL. | 7052 | 9016 | 1935 | 2448 | 5904 | 7541 | 6090 | 7777 |
| TOTAL VOL. | 13595 | 17383 | 4043 | 5114 | 12348 | 15773 | 11976 | 15294 |

| AM PEAK | HOUR BEGINS: 10:30A | | HOUR BEGINS: 11:30A | | HOUR BEGINS: 11:30A | | HOUR BEGINS: 11:30A | |
|---|---|---|---|---|---|---|---|---|
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 569 | 45% | 213 | 51% | 610 | 50% | 639 | 56% |
| EXT. VOL. | 706 | 55% | 203 | 49% | 612 | 50% | 502 | 44% |
| TOTAL VOL. | 1275 | --- | 416 | --- | 1222 | --- | 1141 | --- |
| | % 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% | 0.96 | 8% | 0.95 | 8% | 0.92 | 7% | 0.89 |

| PM PEAK | HOUR BEGINS: 3:45P | | HOUR BEGINS: 3:15P | | HOUR BEGINS: 12:00P | | HOUR BEGINS: 12:15P | |
|---|---|---|---|---|---|---|---|---|
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 596 | 42% | 260 | 53% | 613 | 49% | 599 | 51% |
| EXT. VOL. | 836 | 58% | 226 | 47% | 644 | 51% | 576 | 49% |
| TOTAL VOL. | 1432 | --- | 486 | --- | 1257 | --- | 1175 | --- |
| | % 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% | 0.97 | 10% | 0.90 | 8% | 0.95 | 8% | 0.91 |

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

```
                NORTHWEST APPROACH
                     NC184
                     +------+
                     |15294 |
                     +------+       4168
                            1138         Left
                       2211         Thru
                            Right


                       2833  Left                TOTAL ENTERING VOLUME:              Right 3770
  WEST        +------+                                                                          +------+        EAST
      NC105   |15773 |  4418  Thru                  ++======++                      Thru  4268 |17383 |NC105
APPROACH      +------+                              ||26782 ||                                 +------+      APPROACH
                        980  Right                  ++======++                      Left   329


                                                                                    Right
                                                                          Thru          430
                                                                  Left          1174
                                                                          1063      +------+
                                                                                    | 5114 |
                                                                                    +------+
                                                                                          LOWES
                                                                                   SOUTHEAST APPROACH
```

TURNING MOVEMENT SUMMARY
Section 4: AM Peak Hour Diagram
11:30A

```
                NORTHWEST APPROACH
                     NC184
                     +------+
                     | 1141 |
                     +------+        338
                              99          Left
                        202         Thru
                             Right


                        205  Left                TOTAL ENTERING VOLUME:                Right  206
  WEST        +------+                                                                          +------+        EAST
      NC105   | 1222 |  331  Thru                    ++======++                      Thru   317 | 1251 |NC105
APPROACH      +------+                                || 2015 ||                                +------+      APPROACH
                         74  Right                    ++======++                      Left    30


                                                                                     Right
                                                                             Thru          29
                                                                      Left          91
                                                                          93       +------+
                                                                                   | 416 |
                                                                                   +------+
                                                                                         LOWES
                                                                                  SOUTHEAST APPROACH
```

TURNING MOVEMENT SUMMARY
Section 5: PM Peak Hour Diagram
12:00P

```
                NORTHWEST APPROACH
                     NC184
                     +------+
                     | 1168 |
                     +------+        333
                            108          Left
                       185          Thru
                           Right


                       190  Left                TOTAL ENTERING VOLUME:                Right  248
  WEST        +------+                                                                          +------+          EAST
      NC105   | 1257 |  352  Thru                    ++======++                      Thru   360 | 1354 |NC105
APPROACH      +------+                               || 2111 ||                                +------+        APPROACH
                        71  Right                    ++======++                      Left    27


                                                                                     Right
                                                                              Thru          34
                                                                      Left          104
                                                                            99      +------+
                                                                                    |  443 |
                                                                                    +------+
                                                                                          LOWES
                                                                                   SOUTHEAST APPROACH
```