DP
KT

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

COUNTY: CASWELL NEAR CITY: YANCEYVILLE

INTERSECTION: US 158 & US 158/NC 86 & NC 86 & SR 1572 COUNTRY HOME RD

STATION #: 08TM0001 COUNTED BY: SENTERS

DATE: February 7 & 8, 2008 DAY OF WEEK: Friday, Thursday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
US 158/NC 86
APPROACH: SOUTHEAST

**********

| TIME PERIOD | FROM NORTHEAST ON A = SR 1572 COUNTRY HOME RD TO NW. on NC86 1 | SW. on US158 2 | SE. on US158 3 | FROM SOUTHEAST ON B = US 158/NC 86 TO NE. on SR1572 4 | NW. on NC86 5 | SW. on US158 6 | FROM SOUTHWEST ON C = US 158 TO SE. on US158 7 | NE. on SR1572 8 | NW. on NC86 9 | FROM NORTHWEST ON D = NC 86 TO SW. on US158 10 | SE. on US158 11 | NE. on SR1572 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6:00A | 11 | 4 | 6 | 0 | 14 | 5 | 8 | 0 | 2 | 3 | 25 | 6 | 84 | 11 | 1 | 0 | 12 |
| 6:15A | 0 | 10 | 7 | 4 | 21 | 4 | 5 | 8 | 3 | 1 | 32 | 2 | 97 | 6 | 9 | 0 | 15 |
| 6:30A | 3 | 8 | 2 | 9 | 14 | 9 | 14 | 4 | 5 | 2 | 35 | 1 | 106 | 5 | 2 | 0 | 7 |
| 6:45A | 2 | 5 | 1 | 3 | 14 | 3 | 4 | 7 | 0 | 7 | 25 | 6 | 77 | 4 | 10 | 0 | 14 |
| 7:00A | 0 | 6 | 5 | 3 | 15 | 7 | 15 | 9 | 2 | 3 | 30 | 3 | 98 | 4 | 3 | 0 | 7 |
| 7:15A | 1 | 15 | 13 | 11 | 24 | 21 | 26 | 19 | 6 | 8 | 69 | 7 | 220 | 10 | 5 | 0 | 15 |
| 7:30A | 6 | 23 | 14 | 10 | 40 | 45 | 49 | 29 | 16 | 14 | 57 | 9 | 312 | 28 | 5 | 0 | 33 |
| 7:45A | 9 | 18 | 15 | 13 | 45 | 19 | 38 | 40 | 7 | 9 | 79 | 22 | 314 | 8 | 6 | 0 | 14 |
| 8:00A | 5 | 20 | 11 | 11 | 36 | 11 | 27 | 24 | 3 | 12 | 61 | 2 | 223 | 5 | 8 | 0 | 13 |
| 8:15A | 5 | 19 | 7 | 9 | 35 | 18 | 24 | 15 | 6 | 15 | 44 | 5 | 202 | 6 | 7 | 1 | 14 |
| 8:30A | 6 | 11 | 3 | 7 | 29 | 15 | 22 | 13 | 13 | 6 | 53 | 5 | 183 | 8 | 7 | 0 | 15 |
| 8:45A | 0 | 5 | 6 | 10 | 29 | 11 | 20 | 3 | 11 | 7 | 54 | 3 | 159 | 2 | 12 | 0 | 14 |
| 9:00A | 3 | 14 | 3 | 5 | 41 | 11 | 16 | 6 | 13 | 7 | 45 | 3 | 167 | 1 | 8 | 0 | 9 |
| 9:15A | 5 | 4 | 4 | 5 | 39 | 14 | 19 | 8 | 12 | 3 | 47 | 5 | 165 | 6 | 5 | 0 | 11 |
| 9:30A | 4 | 8 | 5 | 8 | 39 | 16 | 16 | 16 | 7 | 6 | 46 | 7 | 178 | 6 | 8 | 0 | 14 |
| 9:45A | 5 | 11 | 6 | 9 | 33 | 20 | 20 | 10 | 9 | 13 | 45 | 8 | 189 | 5 | 11 | 0 | 16 |
| 10:00A | | | | | | | | | | | | | | | | | |
| 10:15A | | | | | | | | | | | | | | | | | |
| 10:30A | 5 | 8 | 4 | 7 | 41 | 8 | 13 | 11 | 23 | 5 | 38 | 5 | 168 | 0 | 9 | 0 | 9 |
| 10:45A | 9 | 8 | 2 | 5 | 35 | 11 | 15 | 11 | 12 | 13 | 51 | 6 | 178 | 6 | 5 | 0 | 11 |
| 11:00A | 2 | 6 | 7 | 2 | 42 | 20 | 15 | 11 | 10 | 8 | 55 | 2 | 180 | 2 | 12 | 0 | 14 |
| 11:15A | 1 | 9 | 6 | 8 | 45 | 12 | 12 | 21 | 17 | 13 | 58 | 6 | 208 | 3 | 8 | 0 | 11 |
| 11:30A | 4 | 11 | 6 | 8 | 62 | 11 | 13 | 14 | 8 | 8 | 46 | 4 | 195 | 11 | 7 | 0 | 18 |
| 11:45A | 3 | 12 | 9 | 10 | 49 | 25 | 7 | 22 | 13 | 8 | 49 | 7 | 214 | 4 | 3 | 0 | 7 |
| 12:00P | 6 | 14 | 16 | 12 | 52 | 15 | 23 | 15 | 16 | 13 | 50 | 4 | 236 | 3 | 6 | 0 | 9 |
| 12:15P | 7 | 7 | 10 | 16 | 51 | 21 | 17 | 13 | 12 | 14 | 52 | 5 | 225 | 4 | 4 | 0 | 8 |
| 12:30P | 4 | 14 | 11 | 15 | 48 | 18 | 23 | 11 | 13 | 9 | 60 | 7 | 233 | 7 | 8 | 0 | 15 |
| 12:45P | 2 | 7 | 6 | 13 | 55 | 25 | 11 | 7 | 12 | 14 | 43 | 5 | 200 | 3 | 9 | 0 | 12 |
| 1:00P | 8 | 14 | 10 | 11 | 48 | 21 | 14 | 12 | 12 | 10 | 46 | 8 | 214 | 4 | 6 | 0 | 10 |
| 1:15P | 2 | 12 | 8 | 12 | 64 | 15 | 19 | 11 | 8 | 9 | 51 | 3 | 214 | 6 | 3 | 0 | 9 |
| 1:30P | 3 | 17 | 4 | 5 | 46 | 10 | 20 | 16 | 11 | 12 | 45 | 5 | 194 | 5 | 6 | 0 | 11 |
| 1:45P | 9 | 8 | 12 | 8 | 51 | 13 | 12 | 16 | 18 | 6 | 66 | 6 | 225 | 1 | 3 | 0 | 4 |

| SHORT LABEL | ROAD, STREET or DRIVEWAY |
|---|---|
| SR1572 | = SR 1572 COUNTRY HOME RD |
| US158 | = US 158/NC 86 |
| US158 | = US 158 |
| NC86 | = NC 86 |

| TIME PERIOD | FROM NORTHEAST ON A = SR 1572 COUNTRY HOME RD TO NW. on NC86 1 | SW. on US158 2 | SE. on US158 3 | FROM SOUTHEAST ON B = US 158/NC 86 TO NE. on SR1572 4 | NW. on NC86 5 | SW. on US158 6 | FROM SOUTHWEST ON C = US 158 TO SE. on US158 7 | NE. on SR1572 8 | NW. on NC86 9 | FROM NORTHWEST ON D = NC 86 TO SW. on US158 10 | SE. on US158 11 | NE. on SR1572 12 | TOTAL all veh's. | SPECIAL COUNTS: DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2:00P | 0 | 0 | 0 | 0 | 20 | 9 | 15 | 0 | 0 | 0 | 36 | 0 | 80 | 2 | 7 | 0 | 9 |
| 2:15P | 1 | 0 | 0 | 0 | 26 | 13 | 15 | 0 | 1 | 0 | 23 | 0 | 79 | 2 | 6 | 0 | 8 |
| 2:30P | 0 | 0 | 1 | 0 | 25 | 8 | 16 | 1 | 0 | 0 | 38 | 0 | 89 | 7 | 3 | 0 | 10 |
| 2:45P | 0 | 0 | 1 | 0 | 12 | 10 | 6 | 0 | 1 | 0 | 18 | 0 | 48 | 1 | 2 | 0 | 3 |
| 3:00P | 3 | 0 | 0 | 0 | 26 | 12 | 5 | 0 | 1 | 0 | 23 | 1 | 71 | 6 | 4 | 0 | 10 |
| 3:15P | 0 | 0 | 0 | 0 | 38 | 13 | 11 | 0 | 0 | 0 | 39 | 3 | 104 | 4 | 0 | 0 | 4 |
| 3:30P | 2 | 0 | 0 | 0 | 22 | 3 | 7 | 0 | 0 | 0 | 27 | 1 | 62 | 2 | 2 | 0 | 4 |
| 3:45P | 5 | 10 | 1 | 6 | 32 | 14 | 5 | 10 | 11 | 8 | 41 | 9 | 152 | 2 | 4 | 0 | 6 |
| 4:00P | 22 | 51 | 19 | 10 | 71 | 22 | 17 | 17 | 23 | 12 | 53 | 8 | 325 | 5 | 7 | 0 | 12 |
| 4:15P | 11 | 15 | 10 | 3 | 65 | 19 | 30 | 19 | 22 | 16 | 47 | 8 | 265 | 3 | 4 | 0 | 7 |
| 4:30P | 10 | 9 | 7 | 8 | 64 | 24 | 10 | 12 | 19 | 5 | 53 | 5 | 226 | 6 | 4 | 0 | 10 |
| 4:45P | 10 | 20 | 3 | 9 | 64 | 26 | 16 | 15 | 17 | 12 | 60 | 2 | 254 | 6 | 5 | 0 | 11 |
| 5:00P | 10 | 15 | 7 | 10 | 82 | 32 | 13 | 19 | 24 | 11 | 58 | 7 | 288 | 4 | 4 | 0 | 8 |
| 5:15P | 3 | 12 | 10 | 20 | 82 | 22 | 18 | 22 | 26 | 9 | 51 | 12 | 287 | 3 | 5 | 0 | 8 |
| 5:30P | 13 | 13 | 7 | 15 | 77 | 25 | 19 | 14 | 8 | 9 | 58 | 10 | 268 | 5 | 7 | 0 | 12 |
| 5:45P | 3 | 9 | 5 | 8 | 69 | 24 | 18 | 5 | 10 | 12 | 45 | 2 | 210 | 3 | 2 | 0 | 5 |
| 6:00P | 23 | 17 | 8 | 12 | 50 | 10 | 22 | 20 | 12 | 11 | 41 | 1 | 227 | 1 | 7 | 0 | 8 |
| 6:15P | 4 | 9 | 8 | 9 | 65 | 18 | 15 | 7 | 15 | 8 | 41 | 3 | 202 | 2 | 3 | 0 | 5 |
| 6:30P | | | | | | | | | | | | | | | | | |
| 6:45P | | | | | | | | | | | | | | | | | |
| 7:00P | 4 | 9 | 3 | 7 | 50 | 19 | 9 | 8 | 13 | 5 | 30 | 3 | 160 | 2 | 4 | 0 | 6 |
| 7:15P | 1 | 7 | 3 | 4 | 35 | 18 | 12 | 5 | 11 | 5 | 37 | 2 | 140 | 2 | 1 | 0 | 3 |
| 7:30P | 2 | 6 | 4 | 6 | 16 | 13 | 12 | 4 | 7 | 3 | 26 | 3 | 102 | 1 | 0 | 0 | 1 |
| 7:45P | 1 | 6 | 3 | 8 | 38 | 15 | 11 | 10 | 5 | 2 | 33 | 1 | 133 | 1 | 1 | 0 | 2 |
| 8:00P | | | | | | | | | | | | | | | | | |
| 8:15P | | | | | | | | | | | | | | | | | |
| 8:30P | | | | | | | | | | | | | | | | | |
| 8:45P | | | | | | | | | | | | | | | | | |
| 9:00P | | | | | | | | | | | | | | | | | |
| 9:15P | | | | | | | | | | | | | | | | | |
| 9:30P | | | | | | | | | | | | | | | | | |
| 9:45P | | | | | | | | | | | | | | | | | |
| 13.00-HOUR TOTALS | 258 | 536 | 319 | 384 | 2186 | 823 | 839 | 590 | 526 | 386 | 2335 | 248 | 9430 | 244 | 278 | 1 | 523 |
| 24-HOUR PROJECTION | 337 | 700 | 417 | 502 | 2797 | 1053 | 1074 | 771 | 673 | 494 | 2988 | 324 | 12130 | 259 | 361 | 1 | 621 |
| AM PEAK HOUR BEGINS AT 7:15A TOTALS | 21 | 76 | 53 | 45 | 145 | 96 | 140 | 112 | 32 | 43 | 266 | 40 | 1069 | 51 | 24 | 0 | 75 |
| PM PEAK HOUR BEGINS AT 4:45P TOTALS | 36 | 60 | 27 | 54 | 305 | 105 | 66 | 70 | 75 | 41 | 227 | 31 | 1097 | 18 | 21 | 0 | 39 |

| SHORT LABEL | ROAD, STREET or DRIVEWAY |
|---|---|
| SR1572 | = SR 1572 COUNTRY HOME RD |
| US158 | = US 158/NC 86 |
| US158 | = US 158 |
| NC86 | = NC 86 |

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 | |
|---|---|---|---|---|
| | 9430 | 1069 | AM: | 9% |
| | | | PM: | 9% |
| | PROJECTED 24-HOUR TOTAL | PM PEAK VOLUME AT 4:45P | PEAK HOUR FACTORS | |
| | 12130 | 1097 | AM: | 0.85 |
| | | | PM: | 0.95 |

TRUCKS TOTALS ON SOUTHEAST APPROACH OF US 158/NC 86

| | DUALS | TTSTS | TWINS | TOTAL TRUCKS |
|---|---|---|---|---|
| SURVEY | 244 | 278 | 1 | 523 |
| PROJECTED | 259 | 361 | 1 | 621 |
| PERCENTAGE | 2.9% | 4.1% | 0.0% | 7.0 |

| TOTALS AND FACTORS BY APPROACH: | A = NORTHEAST APPR. OF SR 1572 COUNTRY HOME RD | | B = SOUTHEAST APPR. OF US 158/NC 86 | | C = SOUTHWEST APPR. OF US 158 | | D = NORTHWEST APPR. OF NC 86 | |
|---|---|---|---|---|---|---|---|---|
| ALL HOURS IN SURVEY | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. | SURVEY | PROJ. 24-HR. |
| ENT. VOL. | 1113 | 1454 | 3393 | 4352 | 1955 | 2518 | 2969 | 3806 |
| EXT. VOL. | 1222 | 1597 | 3493 | 4479 | 1745 | 2248 | 2970 | 3807 |
| TOTAL VOL. | 2335 | 3051 | 6886 | 8831 | 3700 | 4766 | 5939 | 7613 |
| AM PEAK | HOUR BEGINS: | 7:15A | HOUR BEGINS: | 7:15A | HOUR BEGINS: | 7:30A | HOUR BEGINS: | 7:15A |
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 150 | 43% | 286 | 38% | 278 | 55% | 349 | 64% |
| EXT. VOL. | 197 | 57% | 459 | 62% | 223 | 45% | 198 | 36% |
| TOTAL VOL. | 347 | --- | 745 | --- | 501 | --- | 547 | --- |
| | % 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 | 11% | 0.74 | 8% | 0.87 | 11% | 0.71 | 7% | 0.80 |
| PM PEAK | HOUR BEGINS: | 4:00P | HOUR BEGINS: | 4:45P | HOUR BEGINS: | 4:00P | HOUR BEGINS: | 4:45P |
| | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. | SURVEY | DIR. DIST. |
| ENT. VOL. | 187 | 62% | 464 | 59% | 217 | 48% | 299 | 42% |
| EXT. VOL. | 116 | 38% | 320 | 41% | 231 | 52% | 416 | 58% |
| TOTAL VOL. | 303 | --- | 784 | --- | 448 | --- | 715 | --- |
| | % 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% | 0.60 | 9% | 0.97 | 9% | 0.79 | 9% | 0.93 |

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

```
NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC86                                                                   SR1572
     +------+                                                          +------+
     | 7613 |                                                          | 3051 |
     +------+        324                                        337    +------+
            2988        Left                                Right      700
       494        Thru                                          Thru        417
            Right                                                    Left

                                  TOTAL ENTERING VOLUME:

                                     ++======++
                                     ||12130 ||
                                     ++======++

            Left                                                     Right
       673        Thru                                          Thru        502
            771        Right                                Left      2797
     +------+       1074                                        1053    +------+
     | 4766 |                                                          | 8831 |
     +------+                                                          +------+
     US158                                                                  US158
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
```

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

```
NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC86                                                                  SR1572
     +------+                                                          +------+
     |  547 |                                                          |  347 |
     +------+          40                                        21    +------+
            266         Left                                Right        76
        43         Thru                                        Thru         53
            Right                                                   Left

                                  TOTAL ENTERING VOLUME:

                                     ++======++
                                     || 1069 ||
                                     ++======++

            Left                                                    Right
        32         Thru                                        Thru         45
            112         Right                               Left        145
     +------+          140                                        96    +------+
     |  499 |                                                          |  745 |
     +------+                                                          +------+
     US158                                                                 US158
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
```

TURNING MOVEMENT SUMMARY
Section 5: PM Peak Hour Diagram
4:45P

```
NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC86                                                                  SR1572
     +------+                                                          +------+
     |  715 |                                                          |  278 |
     +------+          31                                        36    +------+
            227        Left                                Right        60
        41        Thru                                          Thru          27
            Right                                                    Left

                                  TOTAL ENTERING VOLUME:

                                     ++======++
                                     || 1097 ||
                                     ++======++

            Left                                                     Right
        75        Thru                                          Thru          54
            70        Right                                Left        305
     +------+          66                                       105    +------+
     |  417 |                                                          |  784 |
     +------+                                                          +------+
     US158                                                                  US158
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
```