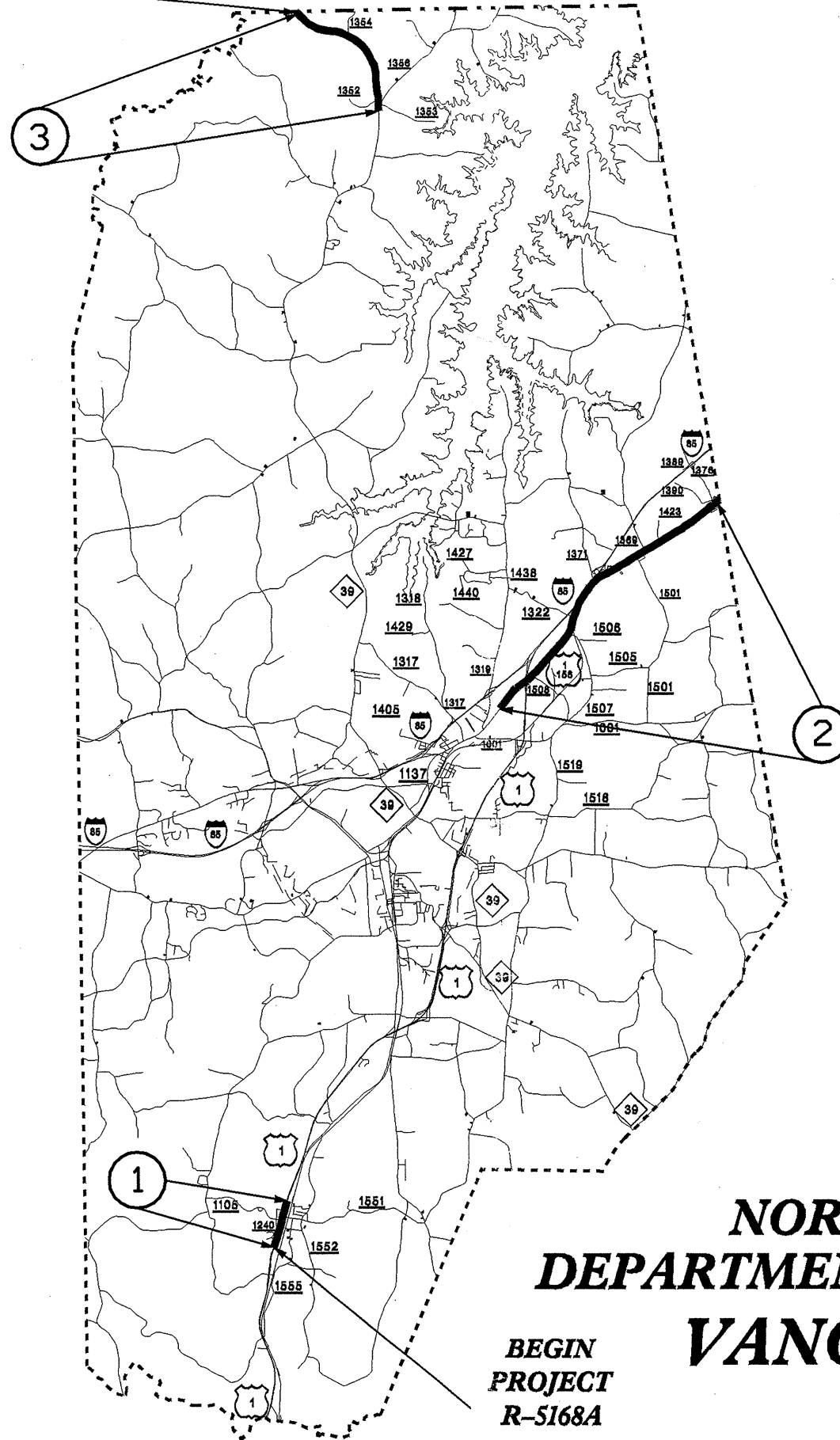


**END PROJECT**  
**R-5168A**

| PROJECT NO.                             | SHEET NO. |
|---|-----------|
| R-5168A<br>45162.3.ST1<br>STM-0001(133) | 1         |

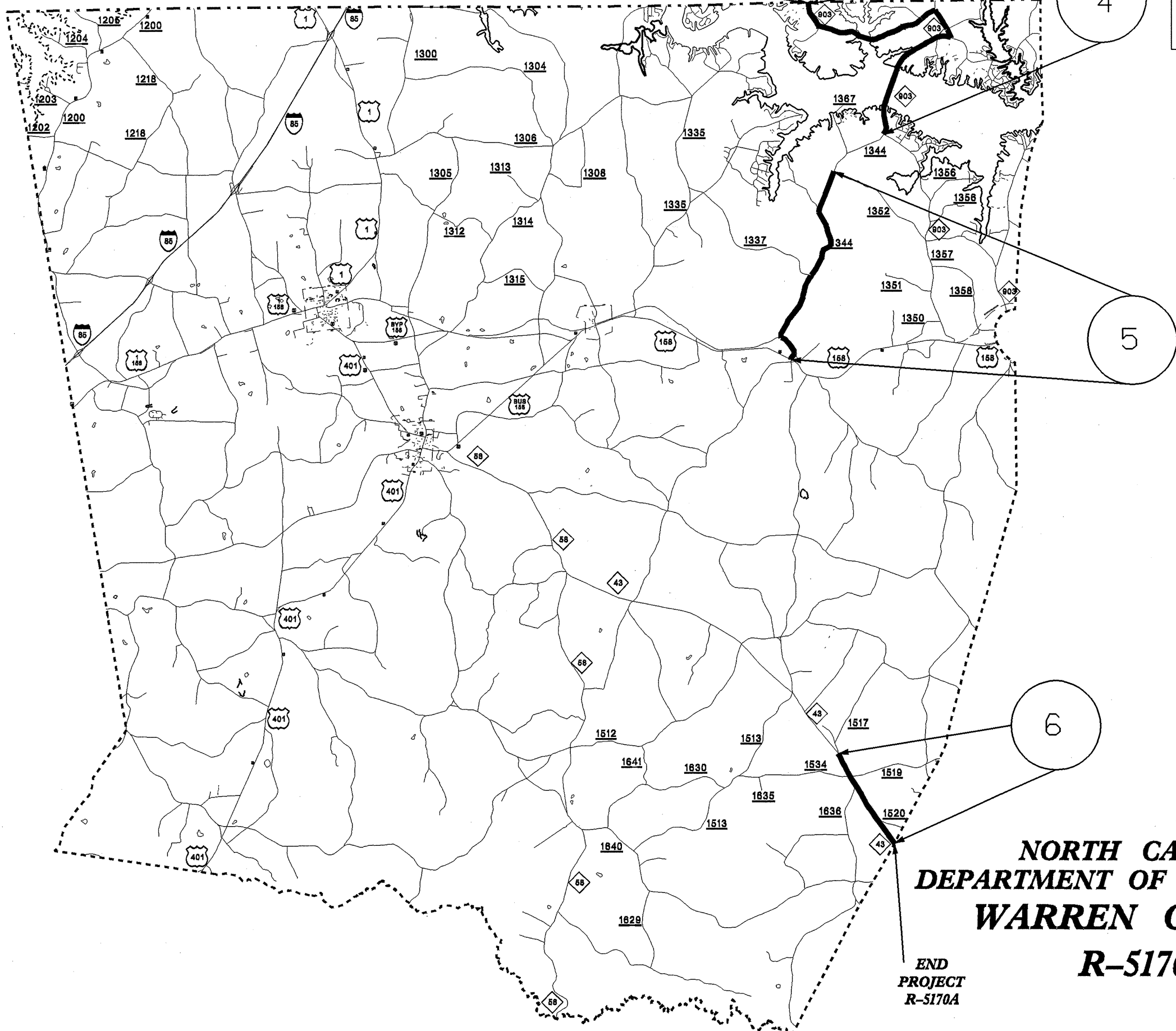


**NORTH CAROLINA**  
**DEPARTMENT OF TRANSPORTATION**  
**VANCE COUNTY**  
**R-5168A**

**BEGIN**  
**PROJECT**  
**R-5168A**

BEGIN PROJECT  
R-5170A

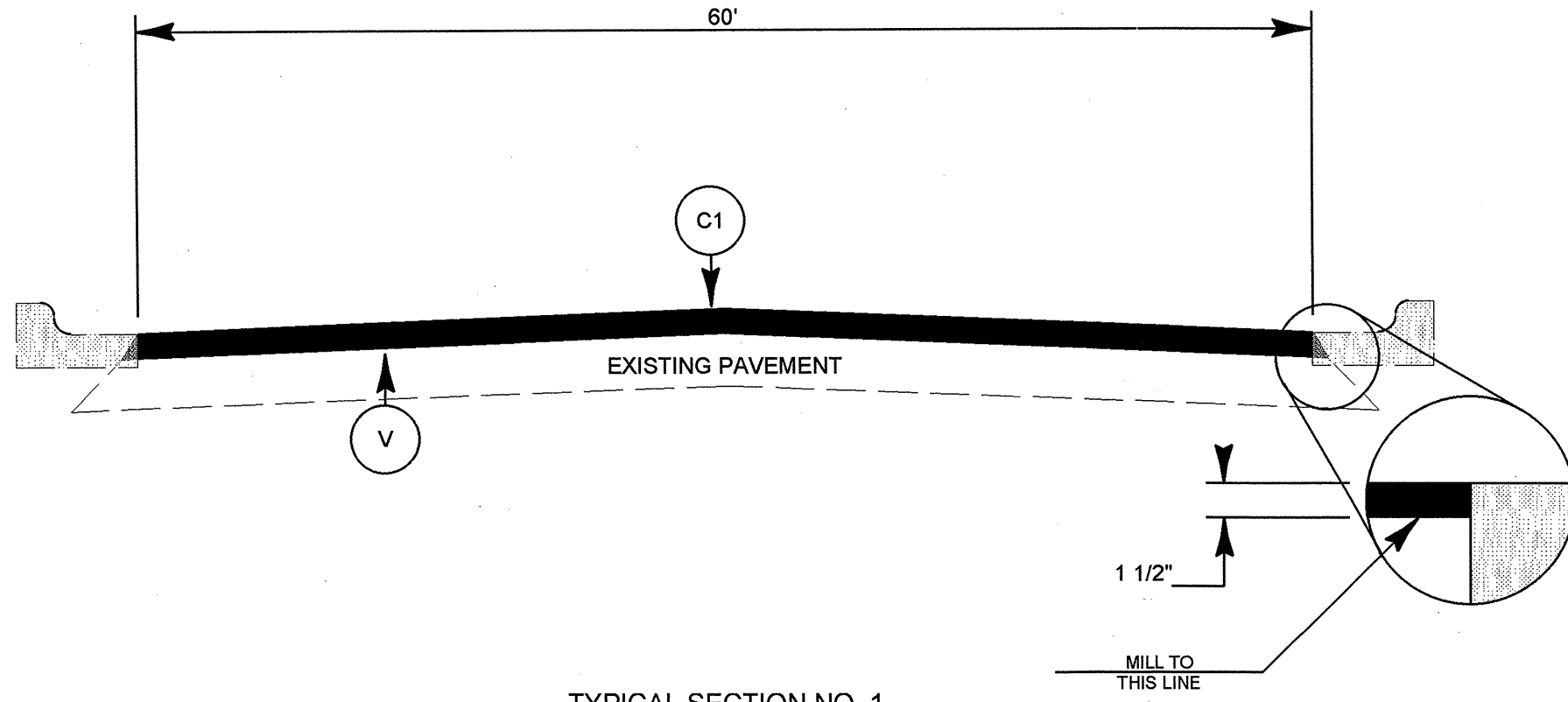
| PROJECT NO.                           | SHEET NO. |
|---------------------------------------|-----------|
| R-5170A<br>45165.3.ST1<br>STM-0903(6) | 2         |



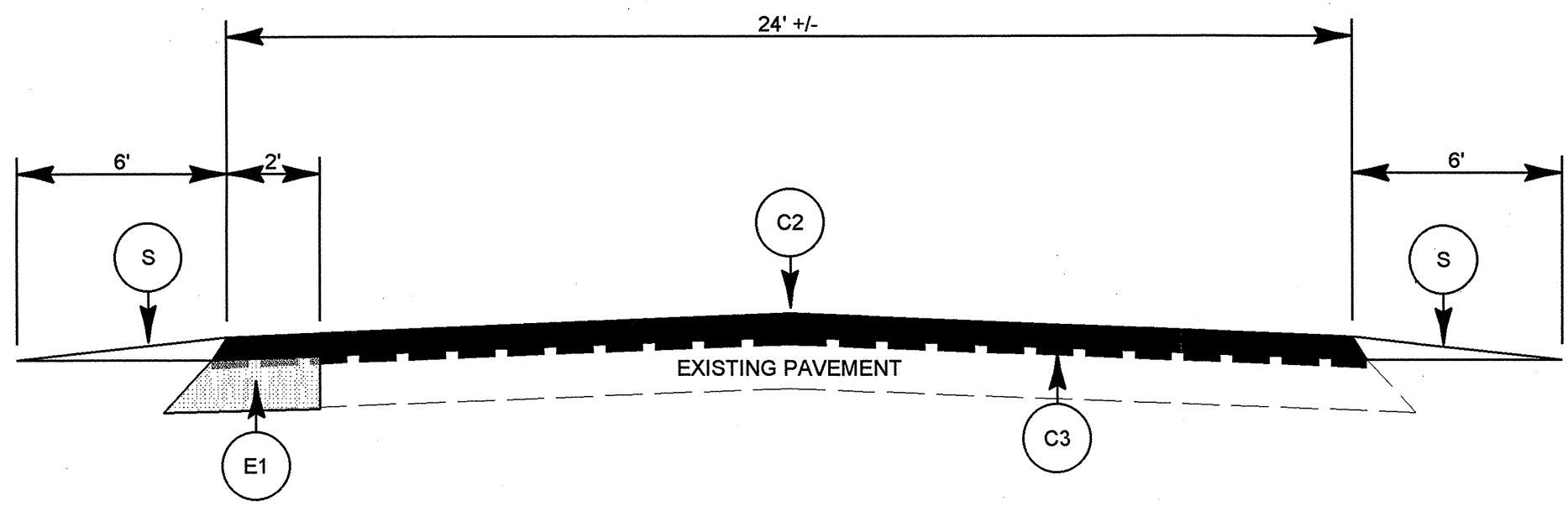
**NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WARREN COUNTY  
R-5170A**

END  
PROJECT  
R-5170A

|  |                       |                          |
|--|-----------------------|--------------------------|
| PROJECT NO.<br>45162.3.ST1, 45165.3.ST1<br>(R-5168A) (R-5170A) | SHEET NO.<br><b>3</b> | TOTAL SHEETS<br><b>6</b> |
|--|-----------------------|--------------------------|

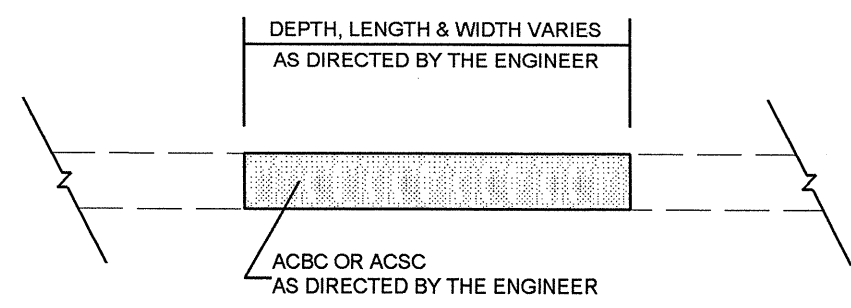


TYPICAL SECTION NO. 1



**2' base widening to be placed in areas not currently widened to a final 24' roadway width or as directed by the Engineer.**

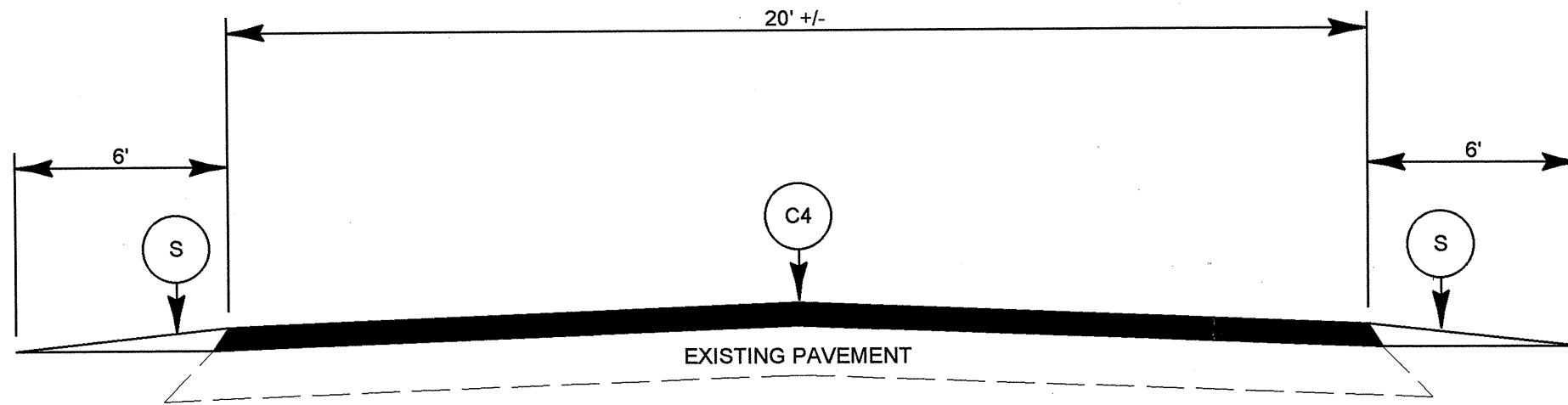
TYPICAL SECTION NO. 2



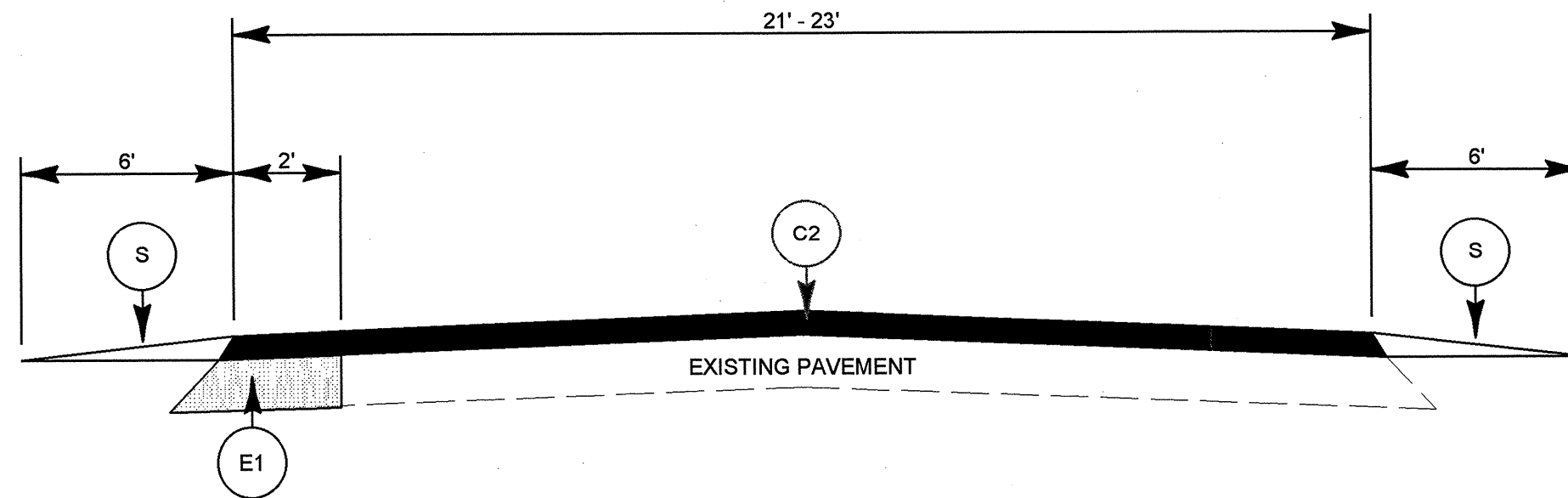
PATCHING EXISTING PAVEMENT

| PAVEMENT SCHEDULE |  |
|-------------------|--|
| C1                | PROP. APPROX. 1.5" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQUARE YD.    |
| C2                | PROP. APPROX. 1.5" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS PER SQUARE YD.    |
| C3                | PROP. APPROX. 0.75" OF ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 82.5 LBS PER SQUARE YD. |
| C4                | PROP. APPROX. 1.5" OF ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS PER SQUARE YD.   |
| E1                | PROP. APPROX. 6" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 684 LBS. PER SQUARE YARD         |
| S                 | SHOULDER RECONSTRUCTION  |
| V                 | MILL 1 1/2" DEPTH  |

|  |                |                   |
|--|----------------|-------------------|
| PROJECT NO.<br>45162.3.ST1, 45165.3.ST1<br>(R-5168A) (R-5170A) | SHEET NO.<br>4 | TOTAL SHEETS<br>6 |
|--|----------------|-------------------|

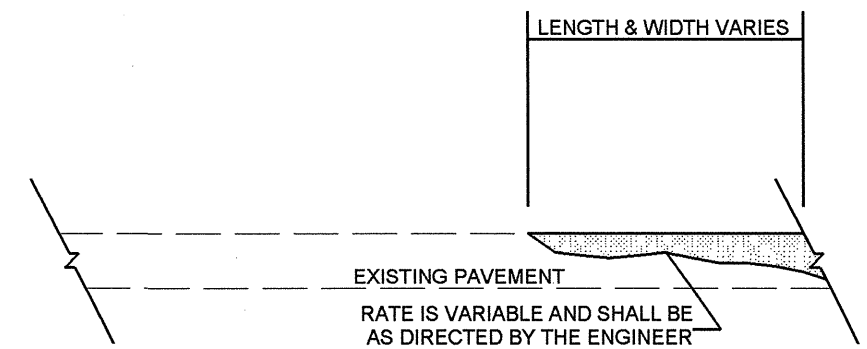
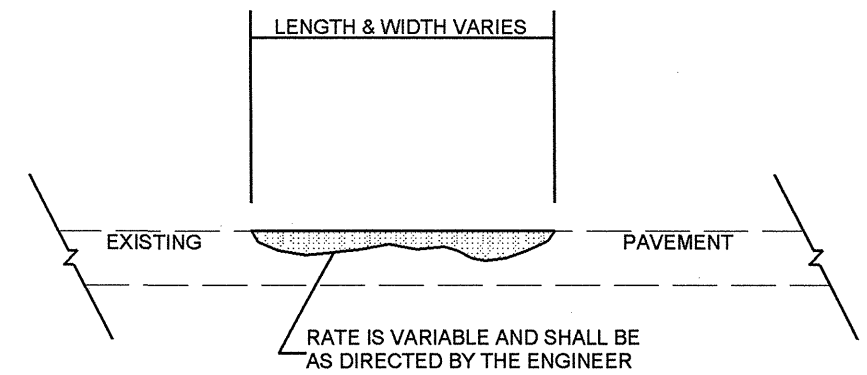


TYPICAL SECTION NO. 3

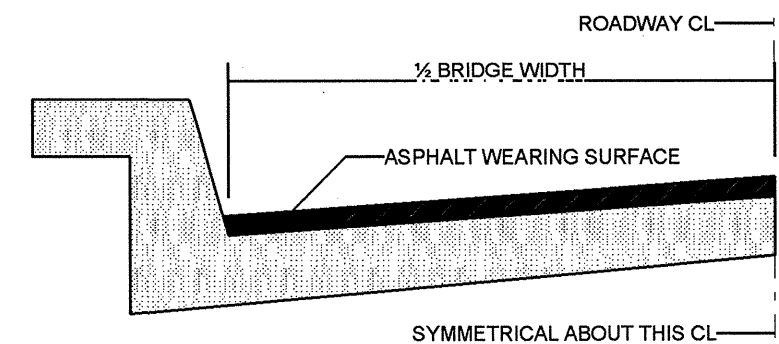


Spot widening to be placed inside curves and run-off areas as directed by the Engineer.

TYPICAL SECTION NO. 4



ASPHALT CONCRETE SURFACE COURSE (LEVELING COURSE)



BRIDGE HALF TYPICAL SECTION

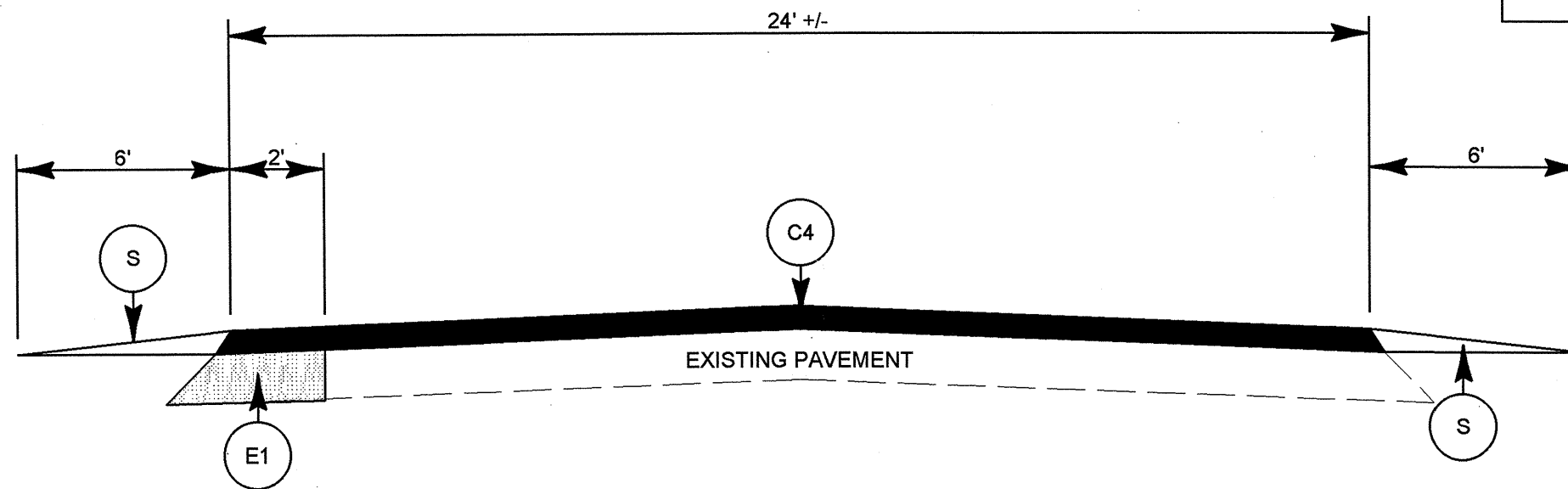
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2". THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1.0", SF9.5A 1.5", S9.5X 2.0", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2".

**NOTES**

ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER. EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED. BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

|   |           |              |
|---|-----------|--------------|
| PROJECT NO.                                     | SHEET NO. | TOTAL SHEETS |
| 45162.3.ST1, 45165.3.ST1<br>(A-5168A) (A-5170A) | 5         | 6            |



**2' base widening to be placed in areas not currently widened to a final 24' roadway width or as directed by the Engineer.**

TYPICAL SECTION NO. 5

| PROJECT NO.           | SHEET NO. | TOTAL NO. |
|-----------------------|-----------|-----------|
| R-5168A (45162.3.ST1) | 6         | 6         |
| R-5170A (45165.3.ST1) |           |           |

## SUMMARY OF QUANTITIES

| PROJECT NO                     | COUNTY | MAP NO | ROUTE                    | DESCRIPTION   | TYP NO | FINAL SURFACE TESTING REQUIRED | LENGTH MI | WIDTH FT | INCIDENTAL STONE BASE TONS | SHOULDER RECONSTRUCTION SMI | 1½" MILLING SY | INCIDENTAL MILLING SY | BASE COURSE, B25.0B TONS | SURFACE COURSE, S9.5B TONS | SURFACE COURSE, S9.5C TONS | SURFACE COURSE, SF9.5A TON | PG 64-22 PLANT MIX TONS | PG 70-22 PLANT MIX TONS | PATCHING EXISTING PAVEMENT TONS | ADJUST MANHOLES EA | SEED & MULCHING AC |
|--------------------------------|--------|--------|--------------------------|---|--------|--------------------------------|-----------|----------|----------------------------|-----------------------------|----------------|-----------------------|--------------------------|----------------------------|----------------------------|----------------------------|-------------------------|-------------------------|---------------------------------|--------------------|--------------------|
| 45162.3.ST1                    | Vance  | 1      | US 1                     | FROM C & G SOUTH OF KITTRELL TO END C & G NORTH OF KITTRELL | 1      | NO                             | 1         | 60       |                            |                             | 37,820         |                       |                          |                            | 3,278                      |                            |                         | 197                     | 150                             |                    |                    |
| TOTAL FOR MAP NO. 1            |        |        |                          |   |        |                                | 1         |          |                            |                             | 37,820         |                       |                          |                            | 3,278                      |                            |                         | 197                     | 150                             |                    |                    |
|                                |        | 2      | US 1/158 BUS             | FROM END C & G HENDERSON TO WARREN CO. LINE                 | 2      | NO                             | 6         | 24       | 144                        | 12.18                       | 800            | 600                   | 4,200                    | 7,347                      |                            | 3,494                      | 849                     |                         | 400                             | 1                  | 11.00              |
| TOTAL FOR MAP NO. 2            |        |        |                          |   |        |                                | 6         |          | 144                        | 12.18                       | 800            | 600                   | 4,200                    | 7,347                      |                            | 3,494                      | 849                     |                         | 400                             | 1                  | 11.00              |
|                                |        | 3      | NC 39                    | FROM SR 1356 (ROCK SPRINGS RD) TO VA LINE                   | 3      | NO                             | 2.65      | 20       | 64                         | 5.3                         |                | 300                   |                          |                            |                            | 2,659                      | 173                     |                         | 1,200                           |                    | 3.86               |
| TOTAL FOR MAP NO. 3            |        |        |                          |   |        |                                | 2.65      |          | 64                         | 5.3                         | 0              | 300                   | 0                        | 0                          |                            | 2,659                      | 173                     |                         | 1,200                           |                    | 3.86               |
| TOTAL FOR PROJ NO. 45162.3.ST1 |        |        |                          |   |        |                                | 9.65      |          | 208                        | 17.48                       | 38,620         | 900                   | 4,200                    | 7,347                      | 3,278                      | 6,153                      | 1,022                   | 197                     | 1,750                           | 1                  | 14.86              |
| 45165.3.ST1                    | Warren | 4      | NC 903                   | FROM VA STATE LINE TO SR 1344 (EATON FERRY RD)              | 4      | NO                             | 7         | 23       | 103                        | 14                          |                | 300                   | 300                      | 8294                       |                            |                            | 511                     |                         | 1,000                           |                    | 10.20              |
| TOTAL FOR MAP NO. 4            |        |        |                          |   |        |                                | 7         |          | 103                        | 14                          | 0              | 300                   | 300                      | 8294                       |                            |                            | 511                     |                         | 1,000                           |                    | 10.20              |
|                                |        | 5      | SR 1344 (EATON FERRY RD) | FROM SR 1352 (EPWORTH RD) TO US 158                         | 5      | NO                             | 5         | 24       | 120                        | 10                          |                | 300                   | 2600                     |                            |                            | 6,013                      | 503                     |                         | 400                             |                    | 7.30               |
| TOTAL FOR MAP NO. 5            |        |        |                          |   |        |                                | 5         |          | 120                        | 10                          | 0              | 300                   | 2600                     | 0                          |                            | 6,013                      | 503                     |                         | 400                             |                    | 7.30               |
|                                |        | 6      | NC 43                    | FROM SR 1517 (LONG SCHOOL RD) TO HALIFAX CO. LINE           | 4      | NO                             | 2.4       | 21       | 58                         | 4.8                         |                | 300                   | 400                      | 2676                       |                            |                            | 178                     |                         | 100                             |                    | 3.35               |
| TOTAL FOR MAP NO. 6            |        |        |                          |   |        |                                | 2.4       |          | 58                         | 4.8                         | 0              | 300                   | 400                      | 2676                       |                            |                            | 178                     |                         | 100                             |                    | 3.35               |
| TOTAL FOR PROJ NO. 45165.3.ST1 |        |        |                          |   |        |                                | 14.4      |          | 281                        | 28.8                        | 0              | 900                   | 3300                     | 10970                      |                            | 6,013                      | 1,192                   |                         | 1,500                           |                    | 20.85              |
| GRAND TOTAL                    |        |        |                          |   |        |                                | 24.05     |          | 489                        | 46.28                       | 38,620         | 1,800                 | 7,500                    | 18,317                     | 3,278                      | 12,166                     | 2,214                   | 197                     | 3,250                           | 1                  | 35.71              |

## THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO                     | COUNTY | MAP NO | ROUTE                    | DESCRIPTION   | 4589000000-N    | 4685000000-E           | 4686000000-E            |                          | 4695000000-E            | 4710000000-E             | 4721000000-E               | 4725000000-E         |                      |                               |                       | 4810000000-E   |                 | 4835000000-E    | 4900000000-N            | 4905000000-N          |     |
|--------------------------------|--------|--------|--------------------------|---|-----------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|----------------------------|----------------------|----------------------|-------------------------------|-----------------------|----------------|-----------------|-----------------|-------------------------|-----------------------|-----|
|                                |        |        |                          |   | TRAFFIC CONTROL | 4" X 90 M WHITE THERMO | 4" X 120 M WHITE THERMO | 4" X 120 M YELLOW THERMO | 8" X 90 M YELLOW THERMO | 24" X 120 M WHITE THERMO | THERMO MSG SCHOOL 120 M EA | THERMO RT ARROW 90 M | THERMO LT ARROW 90 M | THERMO STR & RT ARROW 90 M EA | THERMO STR ARROW 90 M | 4" WHITE PAINT | 4" YELLOW PAINT | 24" WHITE PAINT | YELLOW & YELLOW MARKERS | SNOW PLOWABLE MARKERS |     |
| 45162.3.ST1                    | Vance  | 1      | US 1                     | FROM C & G SOUTH OF KITTRELL TO END C & G NORTH OF KITTRELL | 0.09            |                        | 4,040                   | 13,800                   | 180                     | 160                      |                            | 3                    | 30                   | 6                             | 16                    | 4,040          | 13,800          | 160             |                         | 280                   |     |
| TOTAL FOR MAP NO. 1            |        |        |                          |   | 0.09            |                        | 4,040                   | 13,800                   | 180                     | 160                      |                            | 3                    | 30                   | 6                             | 16                    | 4,040          | 13,800          | 160             |                         | 280                   |     |
|                                |        | 2      | US 1/158 BUS             | FROM END C & G HENDERSON TO WARREN CO. LINE                 | 0.35            | 64,560                 |                         | 39,600                   |                         | 100                      | 12                         |                      |                      |                               |                       |                |                 |                 |                         | 396                   |     |
| TOTAL FOR MAP NO. 2            |        |        |                          |   | 0.35            | 64,560                 |                         | 39,600                   |                         | 100                      | 12                         |                      |                      |                               |                       |                |                 |                 |                         | 396                   |     |
|                                |        | 3      | NC 39                    | FROM SR 1356 (ROCK SPRINGS RD) TO VA LINE                   | 0.07            | 28,514                 |                         | 17,490                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         |                       |     |
| TOTAL FOR MAP NO. 3            |        |        |                          |   | 0.07            | 28,514                 |                         | 17,490                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         |                       |     |
| TOTAL FOR PROJ NO. 45162.3.ST1 |        |        |                          |   | 0.51            | 93,074                 | 4,040                   | 70,890                   | 180                     | 260                      | 12                         | 3                    | 30                   | 6                             | 16                    | 4,040          | 13,800          | 160             |                         | 396                   | 280 |
|                                |        |        |                          |   |                 |                        | 74,930                  |                          |                         |                          |                            |                      | 55                   |                               | 17,840                |                |                 |                 |                         |                       |     |
| 45165.3.ST1                    | Warren | 4      | NC 903                   | FROM VA STATE LINE TO SR 1344 (EATON FERRY RD)              | 0.21            | 74,780                 |                         | 46,200                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         | 462                   |     |
| TOTAL FOR MAP NO. 4            |        |        |                          |   | 0.21            | 74,780                 |                         | 46,200                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         | 462                   |     |
|                                |        | 5      | SR 1344 (EATON FERRY RD) | FROM SR 1352 (EPWORTH RD) TO US 158                         | 0.21            | 53,800                 |                         | 33,000                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         | 330                   |     |
| TOTAL FOR MAP NO. 5            |        |        |                          |   | 0.21            | 53,800                 |                         | 33,000                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         | 330                   |     |
|                                |        | 6      | NC 43                    | FROM SR 1517 (LONG SCHOOL RD) TO HALIFAX CO. LINE           | 0.07            | 24,748                 |                         | 15,180                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         | 211                   |     |
| TOTAL FOR MAP NO. 6            |        |        |                          |   | 0.07            | 24,748                 |                         | 15,180                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         | 211                   |     |
| TOTAL FOR PROJ NO. 45165.3.ST1 |        |        |                          |   | 0.49            | 153,328                |                         | 94,380                   |                         |                          |                            |                      |                      |                               |                       |                |                 |                 |                         | 1,003                 |     |
| GRAND TOTAL                    |        |        |                          |   | 1               | 246,402                | 4,040                   | 165,270                  | 180                     | 260                      | 12                         | 3                    | 30                   | 6                             | 16                    | 4,040          | 13,800          | 160             |                         | 1,399                 | 280 |
|                                |        |        |                          |   |                 |                        | 169,310                 |                          |                         |                          |                            |                      | 55                   |                               | 17,840                |                |                 |                 |                         |                       |     |

