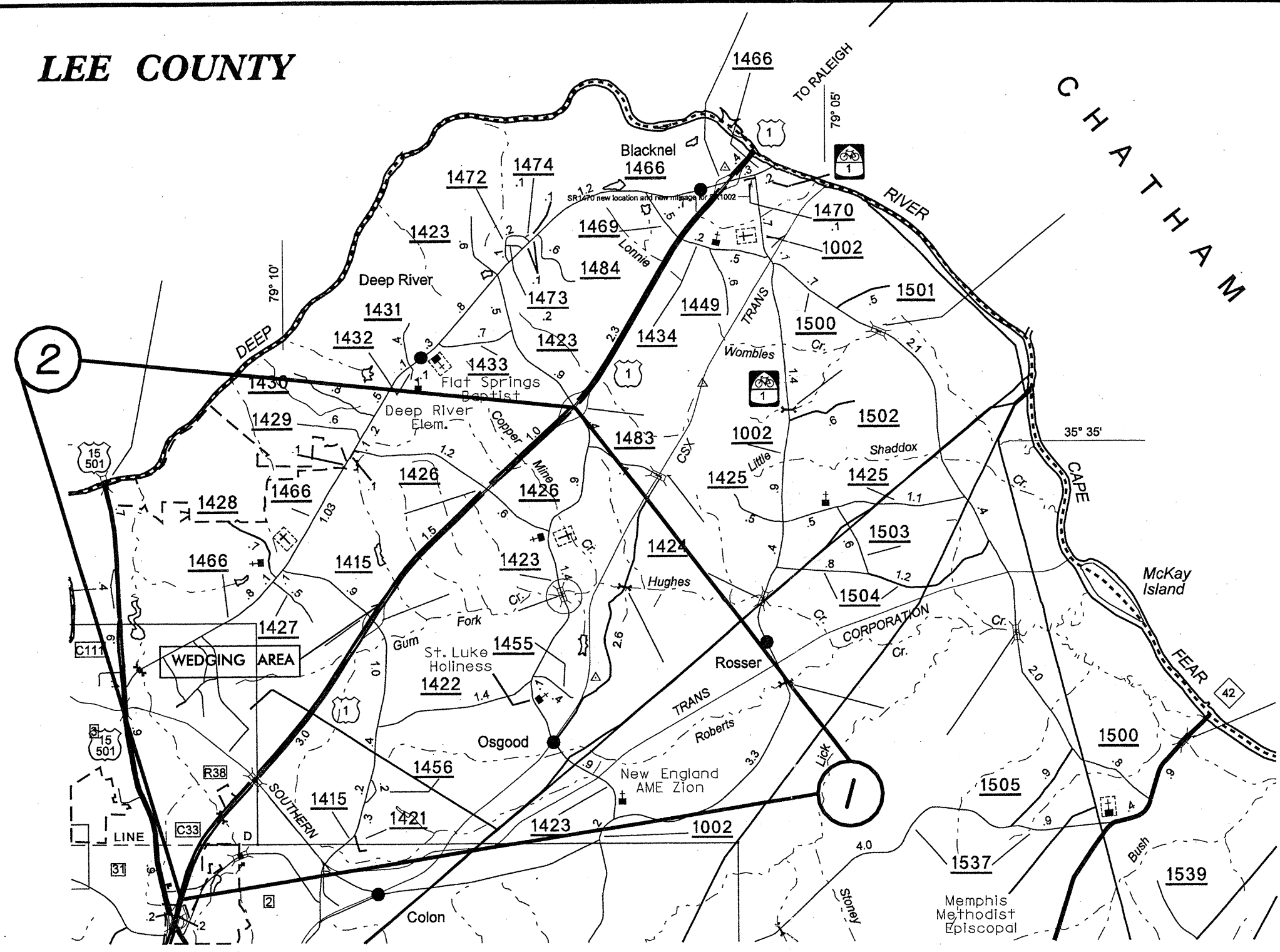


# LEE COUNTY

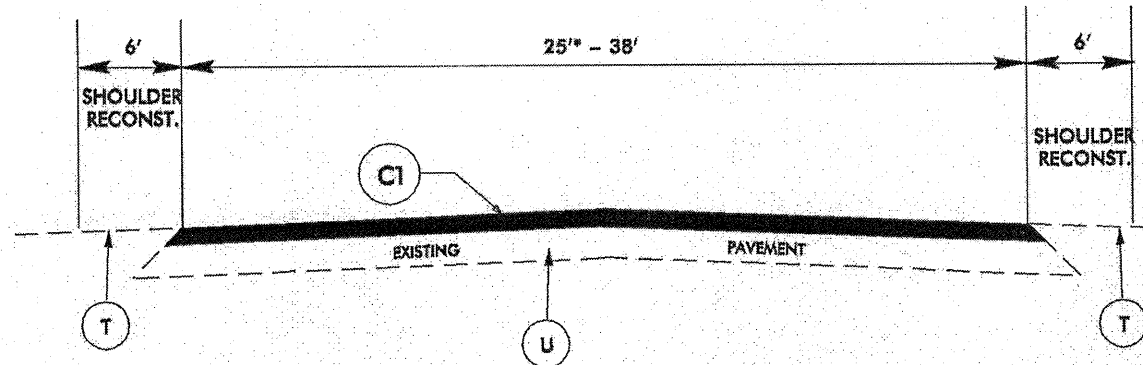


### 2006 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch N. C. Department of Transportation - Raleigh, N. C., Dated July 18, 2006 are applicable to this project and by reference hereby are considered a part of these plans:

| STD.NO.   | TITLE                                    |
|---|--|
| <b>DIVISION 6 - ASPHALT BASES AND PAVEMENTS</b> |  |
| 665.01  | Milled Rumble Strips - Asphalt Pavements |

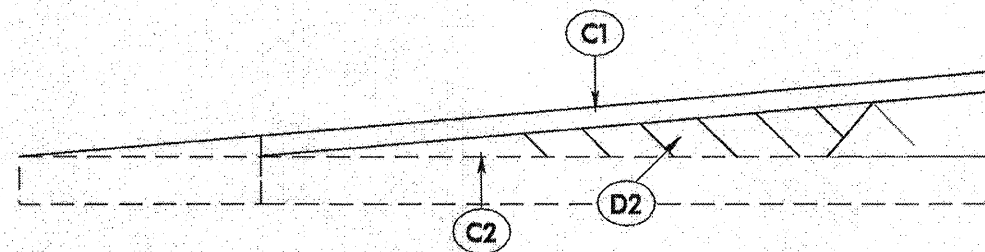
22-APR-2009 12:01 LeeCo-Stmulus\Lee-us1.msp.dgn  
 048357



**TYPICAL SECTION NO. 1**

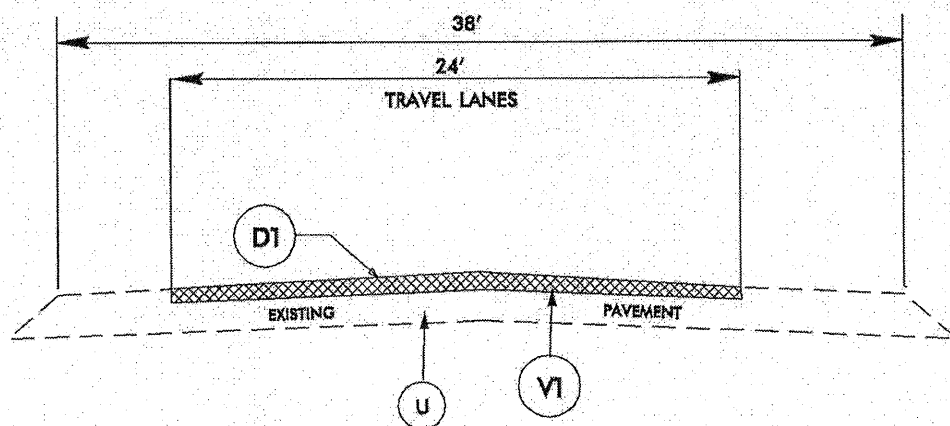
\* NOTE: CONTRACTOR SHALL RESURFACE RAMPS AT SR 1415 (COLON RD.)

CONTRACTOR SHALL ALSO REPLACE MILLED RUMBLE STRIPS ON BOTH SHOULDERS PER RDY STD. DWG 665.01



**WEDGING DETAIL FOR RESURFACING TO BE USED AS DIRECTED**

\* WEDGING TO BE USED TO CORRECT SUPERELEVATION TO 3% ON OUTSIDE LANE OF US 1 SBL AT LOCATIONS DETERMINED BY THE ENGINEER. THE RESIDENT ENGINEER'S OFFICE WILL PROVIDE CONSTRUCTION STAKE OUT INFORMATION FOR THE WEDGING. APPROXIMATE LENGTH OF WEDGING AREA IS 2850 FT.



**TYPICAL SECTION NO. 2**

\* NOTE: CONTRACTOR SHALL MILL AND FILL AT LOCATIONS AS DETERMINED BY THE ENGINEER.

**PAVEMENT SCHEDULE**

|    |   |
|----|---|
| C1 | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE 59.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.   |
| C2 | PROP. VARIABLE DEPTH ASPHALT CONC. SURFACE COURSE, TYPE 59.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.                            |
| D1 | PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.   |
| D2 | PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YARD PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4" IN DEPTH. |
| V1 | MILLING 2.5" AS DIRECTED BY THE ENGINEER.   |
| T  | EARTH MATERIAL  |
| U  | EXISTING PAVEMENT   |

|             |           |           |
|-------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| R-5139      | 3         | 4         |

## SUMMARY OF QUANTITIES

| PROJECT NO                       | COUNTY | MAP NO | ROUTE     | DESCRIPTION                                  | TYP NO | FINAL SURFACE TESTING REQUIRED | LENGTH MI    | WIDTH FT | SHOULDER RECONSTRUCTION SMI | 2.5" MILLING SY | MILLED RUMBLE STRIPS LF | INCIDENTAL MILLING SY | INTER-MEDIATE COURSE, 119.0C TONS | SURFACE COURSE, S9.5C TONS | PG 64-22 PLANT MIX TONS | PG 70-22 PLANT MIX TONS | PATCHING EXISTING PAVEMENT TONS | REMOVE & RESET EXISTING GUARDRAIL LF | SEED & MULCHING AC |
|----------------------------------|--------|--------|-----------|--|--------|--------------------------------|--------------|----------|-----------------------------|-----------------|-------------------------|-----------------------|-----------------------------------|----------------------------|-------------------------|-------------------------|---------------------------------|--------------------------------------|--------------------|
| R-5139                           | Lee    | 1      | US 1--NBL | FROM CONST. JT NORTH OF NC 15-501 TO SR 1423 | 1,2    | Yes                            | 5.11         | 38       | 11.36                       | 8,500           | 54,000                  | 535                   | 1,345                             | 10,820                     | 63                      | 649                     | 50                              |                                      | 8.26               |
|                                  |        | 2      | US 1--SBL | FROM CONST. JT. NORTH OF NC15-501 TO SR 1423 | 1,2    | Yes                            | 5.11         | 38       | 11.36                       | 72,000          | 54,000                  | 535                   | 13,345                            | 11,080                     | 627                     | 665                     | 1,000                           | 600                                  | 8.26               |
| <b>TOTAL FOR PROJ NO. R-5139</b> |        |        |           |  |        |                                | <b>10.22</b> |          | <b>22.72</b>                | <b>80,500</b>   | <b>108,000</b>          | <b>1,070</b>          | <b>14,690</b>                     | <b>21,900</b>              | <b>690</b>              | <b>1,314</b>            | <b>1,050</b>                    | <b>600</b>                           | <b>16.52</b>       |
| <b>GRAND TOTAL</b>               |        |        |           |  |        |                                | <b>10.22</b> |          | <b>22.72</b>                | <b>80,500</b>   | <b>108,000</b>          | <b>1,070</b>          | <b>14,690</b>                     | <b>21,900</b>              | <b>690</b>              | <b>1,314</b>            | <b>1,050</b>                    | <b>600</b>                           | <b>16.52</b>       |

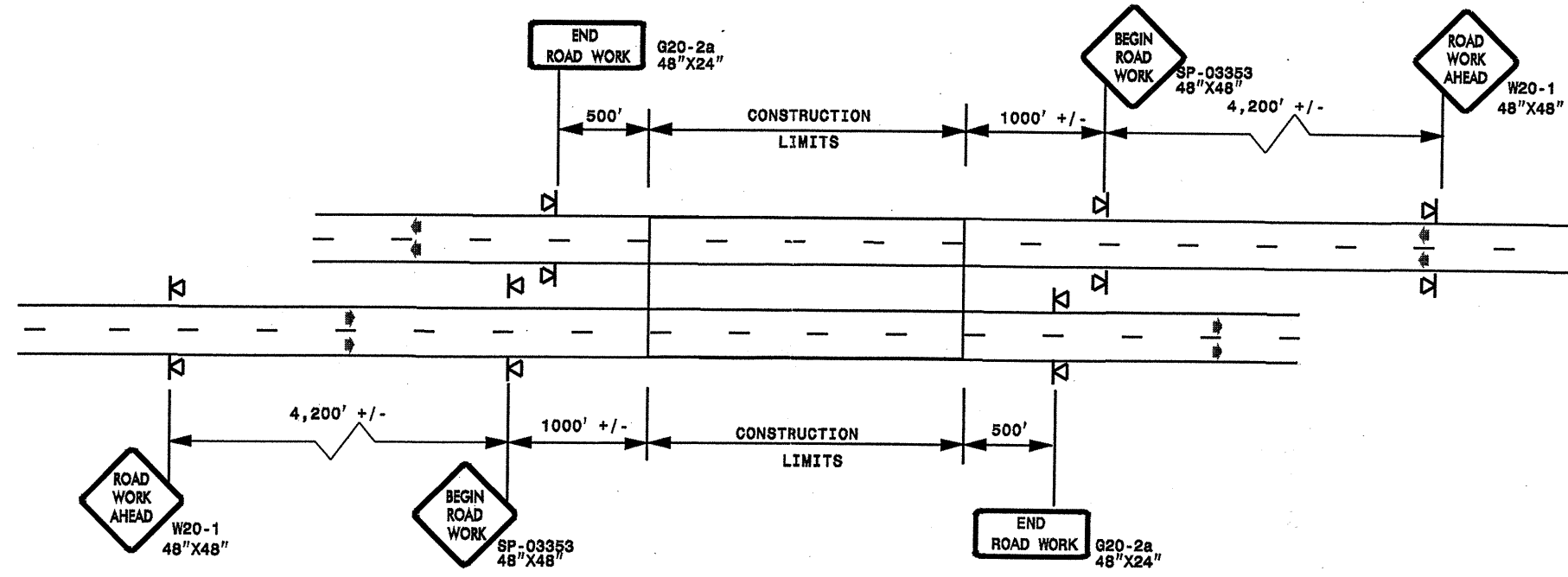
|             |           |           |
|-------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| R-5139      | 4         | 4         |

## THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO                       | COUNTY | MAP NO | ROUTE     | DESCRIPTION                                  | 4589000000-N          | 4688000000-E                 |                               | 4690000000-E                  | 4695000000-E                 | 4725000000-E                |                              | 4905000000-N                      |
|----------------------------------|--------|--------|-----------|--|-----------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------------|
|                                  |        |        |           |  | TRAFFIC CONTROL<br>LS | 6" X 90 M WHITE THERMO<br>LF | 6" X 90 M YELLOW THERMO<br>LF | 6" X 120 M WHITE THERMO<br>LF | 8" X 90 M WHITE THERMO<br>LF | THERMO STR ARROW<br>90 M EA | THERMO RAMP ARROW<br>90 M EA | SNOW PLOWABLE C & R MARKERS<br>EA |
| R-5139                           | Lee    | 1      | US 1--NBL | FROM CONST. JT NORTH OF NC 15-501 TO SR 1423 |                       | 30,000                       | 30,000                        | 6,800                         | 1,000                        | 6                           | 1                            | 465                               |
|                                  |        | 2      | US 1--SBL | FROM CONST. JT. NORTH OF NC15-501 TO SR 1423 |                       | 30,000                       | 30,000                        | 6,800                         | 1,000                        | 6                           | 1                            | 465                               |
| <b>TOTAL FOR PROJ NO. R-5139</b> |        |        |           |  | <b>1</b>              | <b>60,000</b>                | <b>60,000</b>                 | <b>13,600</b>                 | <b>2,000</b>                 | <b>12</b>                   | <b>2</b>                     | <b>930</b>                        |
|                                  |        |        |           |  |                       | <b>120,000</b>               |                               |                               |                              | <b>14</b>                   |                              |                                   |
| <b>GRAND TOTAL</b>               |        |        |           |  | <b>1</b>              | <b>60,000</b>                | <b>60,000</b>                 | <b>13,600</b>                 | <b>2,000</b>                 | <b>12</b>                   | <b>2</b>                     | <b>930</b>                        |
|                                  |        |        |           |  |                       | <b>120,000</b>               |                               |                               |                              | <b>14</b>                   |                              |                                   |

### ADVANCE WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

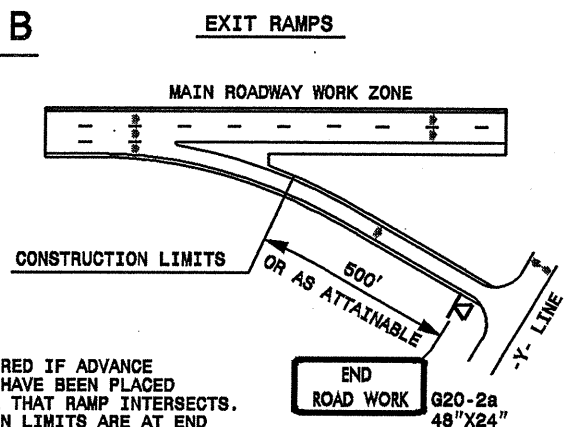
#### DETAIL A



STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

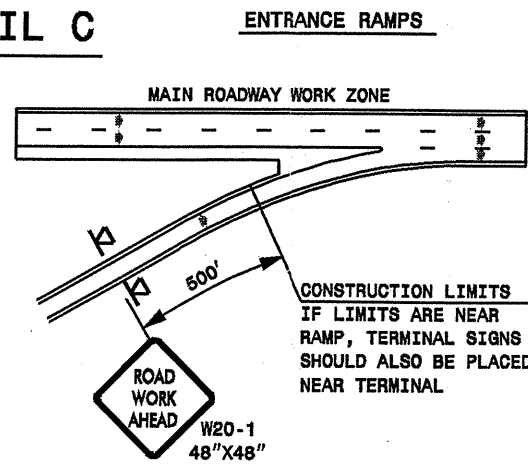
### ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

#### DETAIL B



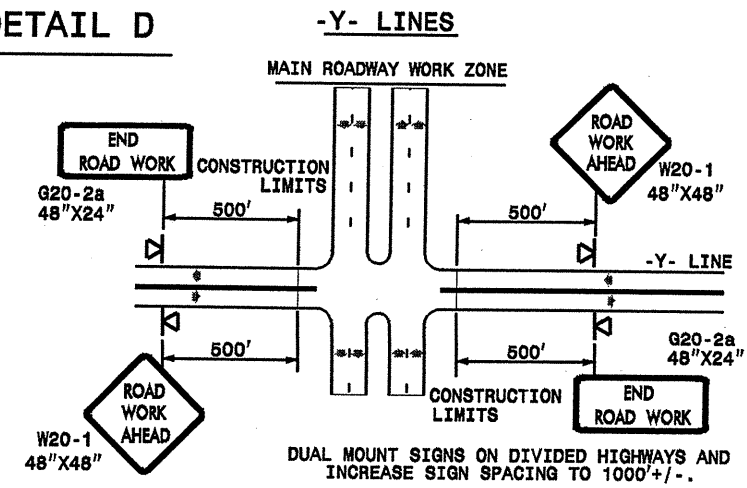
NOTE:  
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

#### DETAIL C



CONSTRUCTION LIMITS IF LIMITS ARE NEAR RAMP, TERMINAL SIGNS SHOULD ALSO BE PLACED NEAR TERMINAL

#### DETAIL D



#### GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- \*\* TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

#### LEGEND

- ▢ PORTABLE SIGN
- DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS (SHORT-DURATION LANE CLOSURES)

|           |       |   |                |
|-----------|-------|---|----------------|
| APPROVED: | DATE: | DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS |                |
| SEAL      |       | SCALE: NONE   | REVISIONS      |
|           |       | DATE:   | 7-98    10/01  |
|           |       | DWG. BY:  | 10-98    03/04 |
|           |       | DESIGN BY:  | 01/01    11/04 |
|           |       | REVIEWED BY:  |                |