

NOTE TO CONTRACTOR:

- THE CONTRACTOR SHALL REFER TO SECTION 607 "MILLING ASPHALT PAVEMENT" OF THE 2006 STANDARDS AND SPECIFICATIONS, DETAILING THE USE OF A MILLING MACHINE "EQUIPPED WITH AN ELECTRONIC CONTROL SYSTEM THAT WILL AUTOMATICALLY CONTROL THE LONGITUDINAL PROFILE AND CROSS SLOPE OF THE MILLED PAVEMENT SURFACE....."

*** ASPHALT SURFACE TREATMENT DETAIL:**

- 1) CLEAN SURFACE THOROUGHLY TO REMOVE ALL LOOSE OR OBJECTIONABLE MATERIAL.
- 2) APPLY MAT COAT TO EXISTING SURFACE IN ACCORDANCE WITH 660-9(A), USING NO. 6 STONE.
- 3) APPLY SEAL COAT TO EXISTING SURFACE IN ACCORDANCE WITH 660-9(B)(2) SPLIT SEAL, USING 2 LAYERS OF NO. 78M STONE.
- 4) INCLUDE A UNIFORM LAYER OF BLOTTING SAND TO SURFACE AND ALLOW TO SIT FOR 14 CALENDAR DAYS BEFORE OVERLAYING WITH PLANT MIX.

| | |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-5133 | 2 OF 3 |

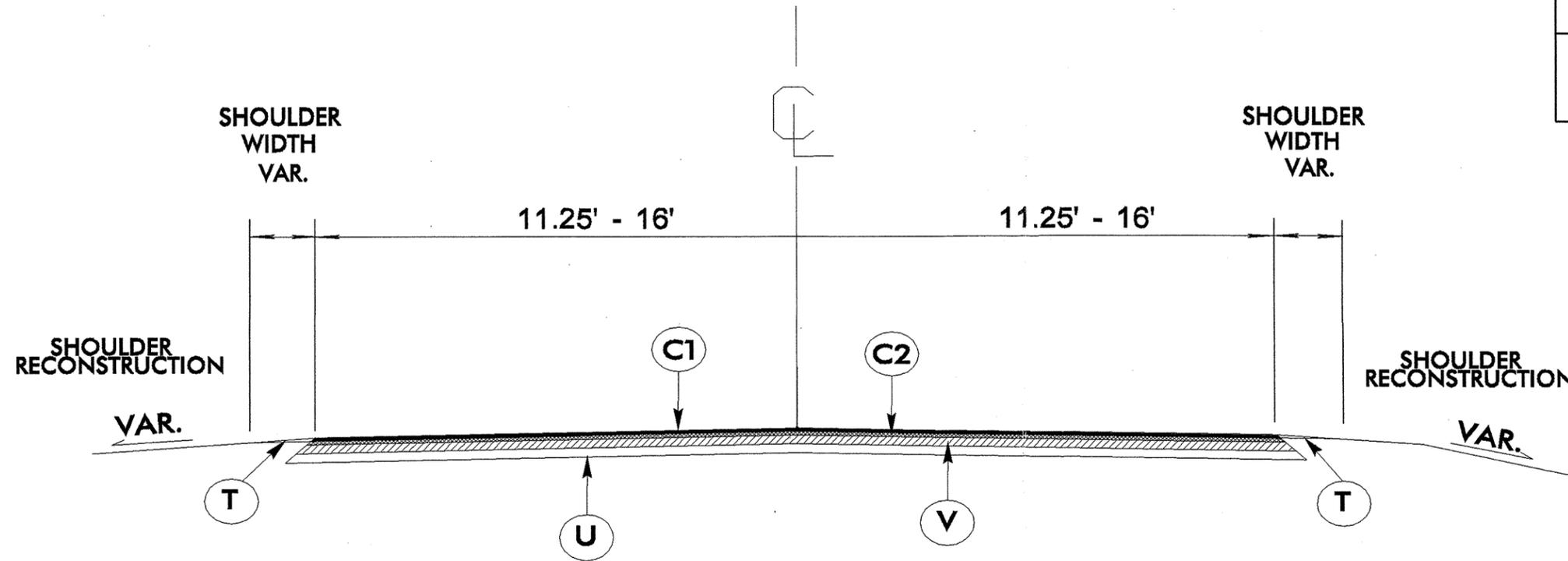
| | |
|-----------|---|
| C1 | PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD. |
| C2 | PROPOSED ASPHALT SURFACE TREATMENT, MAT & SEAL |
| U | EXISTING PAVEMENT |
| V | PROPOSED APPROXIMATELY 1.5" MILLING BITUMINOUS PAVEMENT |
| T | EARTH MATERIAL |

NOTES:

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

PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE



TYPICAL SECTION #1

USE WITH MAPS 1-5

PROPOSED CONSTRUCTION SEQUENCE:

- 1) MILL BITUMINOUS PAVEMENT @ 1.5" DEPTH
- 2) APPLY ASPHALT SURFACE TREATMENT, MAT & SEAL. INCLUDE A UNIFORM LAYER OF BLOTTING SAND.
- 3) ALLOW SURFACE TO SIT FOR 14 CALENDAR DAYS.
- 4) CLEAN THE ROADWAY SURFACE OF ALL DUST, DIRT, OR ANY OTHER DELETERIOUS MATTER PRIOR TO OVERLAYING.
- 5) APPLY TEMPORARY PAINT.
- 6) PLACE APPROXIMATELY 1.5" OF S9.5B SURFACE ASPHALT.
- 7) RECONSTRUCT SHOULDERS.
- 8) PERFORM SEEDING & MULCHING ON SHOULDERS.
- 9) APPLY THERMOPLASTIC MARKING LINES AND RAISED PAVEMENT MARKERS.

| PROJECT NO. | SHEET NO. | TOTAL NO. |
|---------------------|-----------|-----------|
| R-5133, 45033.3.ST1 | 3 | 3 |

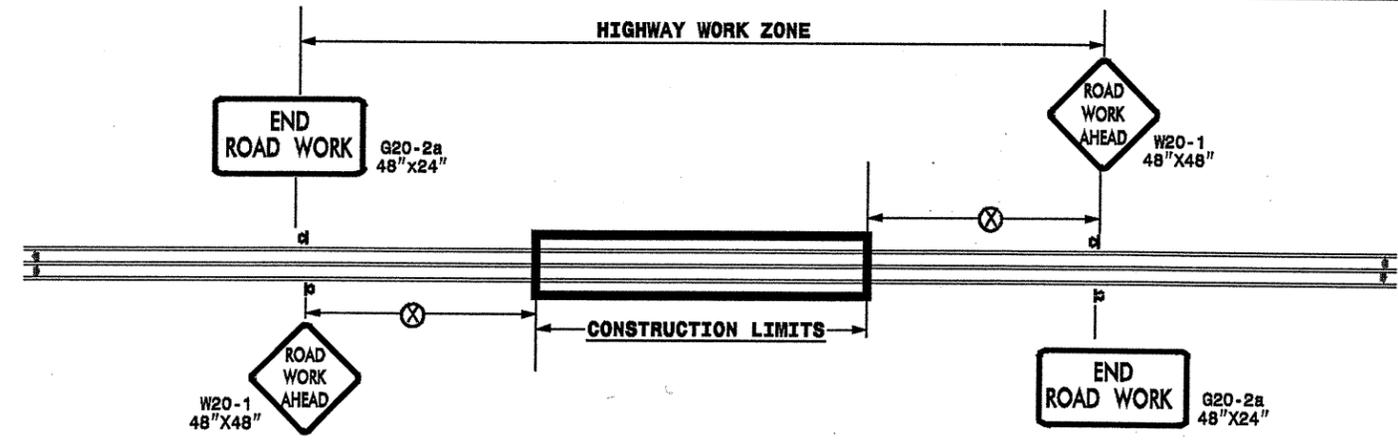
SUMMARY OF QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | FINAL SURFACE TESTING REQUIRED | LENGTH MI | WIDTH FT | TRAFFIC CONTROL LS | INCIDENTAL STONE BASE TONS | SHOULDER RECONSTRUCTION SMI | 1.5" MILLING ASPHALT PAVEMENT SY | SURFACE COURSE, S9.5B TONS | PG 64-22 PLANT MIX TONS | PATCHING EXISTING PAVEMENT TONS | ASPHALT SURFACE TREATMENT MAT & SEAL SY | SEED & MULCHING AC |
|----------------------------------|--------|--------|--------|----------------------------------|--------|--------------------------------|--------------|----------|--------------------|----------------------------|-----------------------------|----------------------------------|----------------------------|-------------------------|---------------------------------|---|--------------------|
| R-5133 | Bertie | 1 | NC 305 | FROM US 13 TO SR 1221 | 1 | No | 3.60 | 22.5 | * | 300 | 7.2 | 48,200 | 4,415 | 265 | 50 | 48,200 | 4.36 |
| R-5133 | Bertie | 2 | NC 305 | FROM SR 1221 TO SR 1219 | 1 | No | 4.01 | 22.5 | * | 360 | 8.02 | 53,500 | 4,918 | 295 | 75 | 53,500 | 4.86 |
| R-5133 | Bertie | 3 | NC 305 | FROM SR 1219 TO SR 1200 | 1 | No | 2.09 | 22.5 | * | 225 | 4.18 | 28,500 | 2,563 | 154 | 75 | 28,500 | 2.53 |
| R-5133 | Bertie | 4 | NC 305 | FROM SR 1200 TO BEG 32' PAVEMENT | 1 | No | 2.24 | 22.5 | * | 230 | 4.48 | 29,600 | 2,747 | 165 | 50 | 29,600 | 2.71 |
| R-5133 | Bertie | 5 | NC 305 | FROM BEG 32' WIDTH TO NC 11 | 1 | No | 0.52 | 32 | * | 45 | 1.04 | 10,100 | 906 | 54 | | 10,100 | 0.63 |
| TOTAL FOR PROJ NO. R-5133 | | | | | | | 12.45 | | 1 | 1,160 | 24.92 | 169,900 | 15,549 | 933 | 250 | 169,900 | 15.09 |
| GRAND TOTAL | | | | | | | 12.45 | | 1 | 1,160 | 24.92 | 169,900 | 15,549 | 933 | 250 | 169,900 | 15.09 |

THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | 4" X 90 M WHITE THERMO LF | 4" X 120 M YELLOW THERMO LF | 24" X 120 M WHITE THERMO LF | THERMO CHARACTERS 120 M EA | 4" YELLOW PAINT LF | YELLOW & YELLOW MARKERS EA |
|----------------------------------|--------|--------|--------|----------------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|--------------------|----------------------------|
| R-5133 | Bertie | 1 | NC 305 | FROM US 13 TO SR 1221 | 38,714 | 23,747 | | | 47,494 | 240 |
| R-5133 | Bertie | 2 | NC 305 | FROM SR 1221 TO SR 1219 | 43,105 | 26,440 | | | 52,879 | 265 |
| R-5133 | Bertie | 3 | NC 305 | FROM SR 1219 TO SR 1200 | 22,467 | 13,781 | | | 27,562 | 140 |
| R-5133 | Bertie | 4 | NC 305 | FROM SR 1200 TO BEG 32' PAVEMENT | 24,102 | 14,784 | | | 29,568 | 150 |
| R-5133 | Bertie | 5 | NC 305 | FROM BEG 32' WIDTH TO NC 11 | 5,606 | 5,500 | 100 | 12 | 11,000 | 35 |
| TOTAL FOR PROJ NO. R-5133 | | | | | 133,994 | 84,252 | 100 | 12 | 168,503 | 830 |
| GRAND TOTAL | | | | | 133,994 | 84,252 | 100 | 12 | 168,503 | 830 |

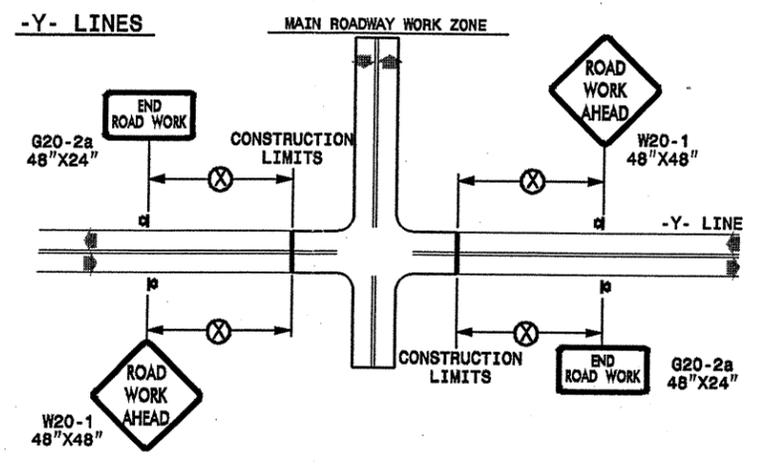
TWO-WAY UNDIVIDED ** (L-LINES)



| POSTED SPEED LIMIT (M.P.H.) | RECOMMENDED MINIMUM SIGN SPACING |
|-----------------------------|----------------------------------|
| ≤ 50 | 500' |
| ≥ 55 | 1000' |

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

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



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 URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

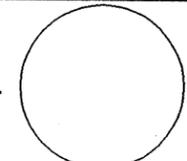
LEGEND

◀ PORTABLE SIGN

➡ DIRECTION OF TRAFFIC FLOW

DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

SHEET 1 OF 1

| | | | |
|--|---|---|-------|
| APPROVED: _____ | DATE: _____ | DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED 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: _____ | CHD | 11/04 | |

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