

26-JAN-2015 09:11
 C:\Users\jconner\Documents\CURRENT PROJECTS\Northampton\BST_Plansheets\DA00219_d01_pshl.dgn
 jconner AT DICAD270263

CONTRACT: DA00219 **WBS PROJECT: ISP.20665.1, ETC.**

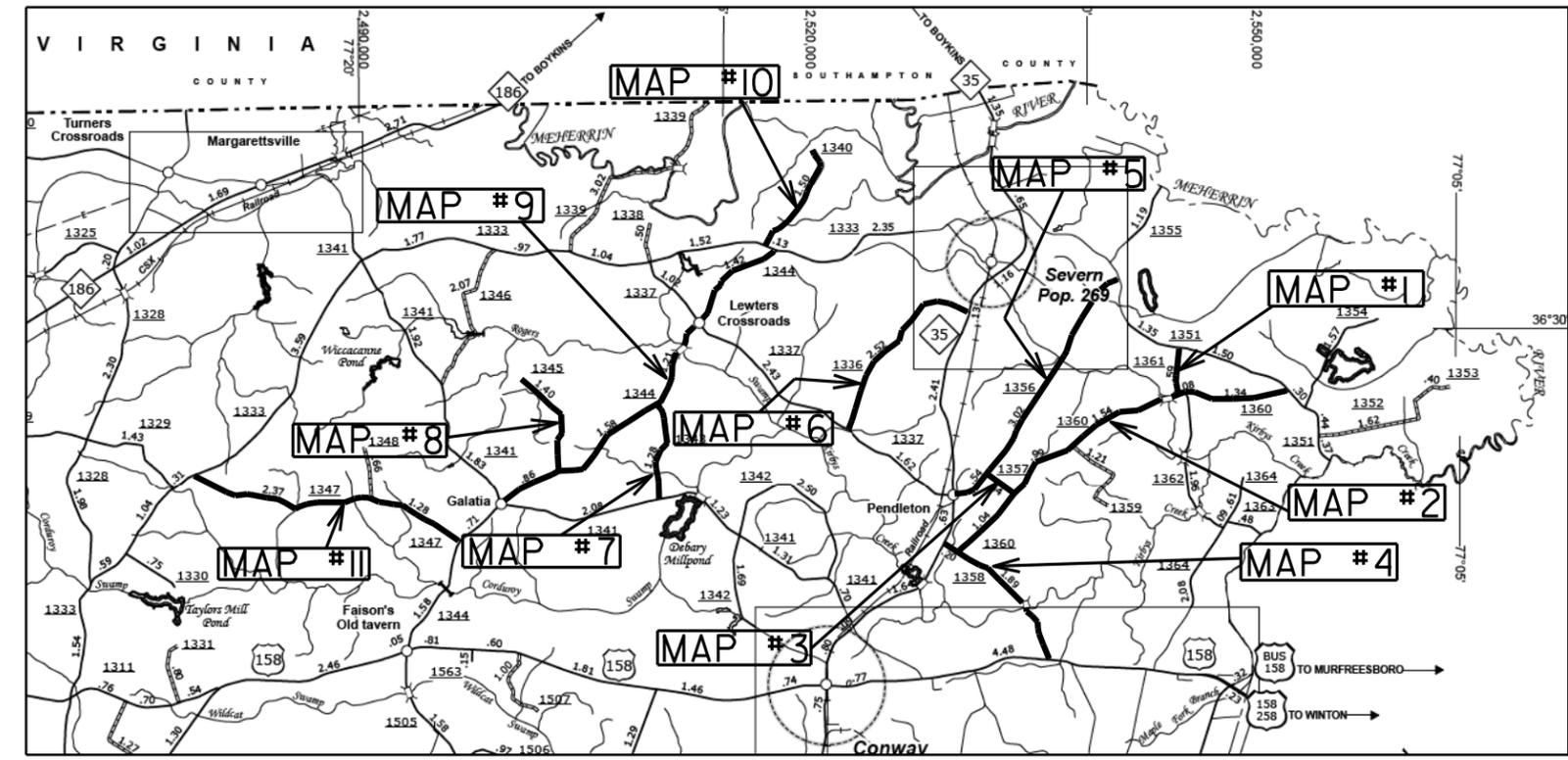
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

- LOCATION:**
- MAP #1 SR 1361 FROM SR 1351 TO SR 1360
 - MAP #2 SR 1360 FROM SR 1351 TO SR 1358
 - MAP #3 SR 1357 FROM SR 1356 TO SR 1360
 - MAP #4 SR 1358 FROM US 158 TO NC 35
 - MAP #5 SR 1356 FROM NC 35 TO SR 1351
 - MAP #6 SR 1336 FROM NC 35 TO SR 1337
 - MAP #7 SR 1343 FROM SR 1341 TO SR 1344
 - MAP #8 SR 1345 FROM SR 1344 TO DEAD END
 - MAP #9 SR 1344 FROM SR 1333 TO SR 1341
 - MAP #10 SR 1340 FROM SR 1333 TO DEAD END
 - MAP #11 SR 1347 FROM SR 1344 TO SR 1333



TYPE OF WORK: ASPHALT SURFACE TREATMENT DOUBLE SEAL



| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | ISP.20665.1, ETC. | 1 | 4 |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| ISP.20665.1 | | MAP 1 | |
| ISP.20665.2 | | MAP 2 | |
| ISP.20665.3 | | MAP 3 | |
| ISP.20665.4 | | MAP 4 | |
| ISP.20665.5 | | MAP 5 | |
| ISP.20665.6 | | MAP 6 | |
| ISP.20665.7 | | MAP 7 | |
| ISP.20665.8 | | MAP 8 | |
| ISP.20665.9 | | MAP 9 | |
| ISP.20665.10 | | MAP 10 | |
| ISP.20665.11 | | MAP 11 | |

NTS

PROJECT LENGTH

| | |
|------------------------------------|----------|
| LENGTH OF ROADWAY PROJECT MAP 1 = | 0.59 MI. |
| LENGTH OF ROADWAY PROJECT MAP 2 = | 4.98 MI. |
| LENGTH OF ROADWAY PROJECT MAP 3 = | 0.44 MI. |
| LENGTH OF ROADWAY PROJECT MAP 4 = | 2.09 MI. |
| LENGTH OF ROADWAY PROJECT MAP 5 = | 3.56 MI. |
| LENGTH OF ROADWAY PROJECT MAP 6 = | 2.52 MI. |
| LENGTH OF ROADWAY PROJECT MAP 7 = | 1.28 MI. |
| LENGTH OF ROADWAY PROJECT MAP 8 = | 1.40 MI. |
| LENGTH OF ROADWAY PROJECT MAP 9 = | 5.07 MI. |
| LENGTH OF ROADWAY PROJECT MAP 10 = | 1.50 MI. |
| LENGTH OF ROADWAY PROJECT MAP 11 = | 3.65 MI. |

Prepared in the Office of:
DIVISION OF HIGHWAYS
 113 Airport Dr., Edenton NC, 27932

| | |
|--|---|
| 2012 STANDARD SPECIFICATIONS LETTING DATE: FEBRUARY 18, 2015 | W.B. HOBBS, P.E. <small>DIVISION PROJECT MANAGER</small> C.E. SLACHTA <small>DIVISION PROPOSALS ENGINEER</small> |
|--|---|



| | |
|-------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 1SP.20665.1, ETC. | 3 |

SUMMARY OF QUANTITIES

| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH MI | WIDTH FT | MOBILIZATION LS | ASPHALT SURFACE TREATMENT, DOUBLE SEAL SY | EMULSION FOR ASPHALT SURFACE TREATMENT GAL | TEMPORARY TRAFFIC CONTROL LS |
|--------------------|-------------|--------|---------|--------------------------|--------|-----------|--------------------------------|---------------------------|-------------|----------|-----------------|---|--|------------------------------|
| 1SP.20665.1 | Northampton | 1 | SR1361 | FROM SR 1351 TO SR 1360 | 1 | 2WU | NO | NO | 0.59 | 20 | 1 | 6,923 | 3,808 | 1 |
| 1SP.20665.2 | Northampton | 2 | SR 1360 | FROM SR 1351 TO SR 1358 | 1 | 2WU | NO | NO | 4.98 | 20 | * | 58,432 | 32,138 | * |
| 1SP.20665.3 | Northampton | 3 | SR 1357 | FROM 1356 TO SR 1360 | 1 | 2WU | NO | NO | 0.44 | 20 | * | 5,163 | 2,840 | * |
| 1SP.20665.4 | Northampton | 4 | SR 1358 | FROM US 158 TO NC 35 | 1 | 2WU | NO | NO | 2.09 | 18 | * | 22,070 | 12,139 | * |
| 1SP.20665.5 | Northampton | 5 | SR 1356 | FROM NC 35 TO SR 1351 | 1 | 2WU | NO | NO | 3.56 | 20 | * | 41,771 | 22,974 | * |
| 1SP.20665.6 | Northampton | 6 | SR 1336 | FROM NC 35 TO SR 1337 | 1 | 2WU | NO | NO | 2.52 | 20 | * | 29,568 | 16,262 | * |
| 1SP.20665.7 | Northampton | 7 | SR 1343 | FROM SR 1341 TO SR 1344 | 1 | 2WU | NO | NO | 1.28 | 20 | * | 15,019 | 8,260 | * |
| 1SP.20665.8 | Northampton | 8 | SR 1345 | FROM SR 1344 TO DEAD END | 1 | 2WU | NO | NO | 1.4 | 18 | * | 14,784 | 8,131 | * |
| 1SP.20665.9 | Northampton | 9 | SR 1344 | FROM SR 1333 TO SR 1341 | 1 | 2WU | NO | NO | 5.07 | 18 | * | 53,539 | 29,446 | * |
| 1SP.20665.10 | Northampton | 10 | SR 1340 | FRON SR 1333 TO DEAD END | 1 | 2WU | NO | NO | 1.5 | 18 | * | 15,840 | 8,712 | * |
| 1SP.20655.11 | Northampton | 11 | SR 1347 | FROM SR 1344 TO SR 1333 | 1 | 2WU | NO | NO | 3.65 | 20 | * | 42,827 | 23,555 | * |
| GRAND TOTAL | | | | | | | | | 27.1 | | 1 | 305,936 | 168,265 | 1 |

P A V E M E N T S C H E D U L E

| | |
|-----------|--|
| C3 | PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, AT AN APPLICATION RATE TO BE DETERMINED BY FIELD CONDITIONS IN ACCORDANCE WITH PROJECT SPECIAL PROVISIONS. |
| U | EXISTING PAVEMENT. |

NOTES:

*ALL PAVED S.R. ROADS TO BE TREATED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER

*PAVEMENT MARKINGS TO BE PERFORMED BY OTHERS

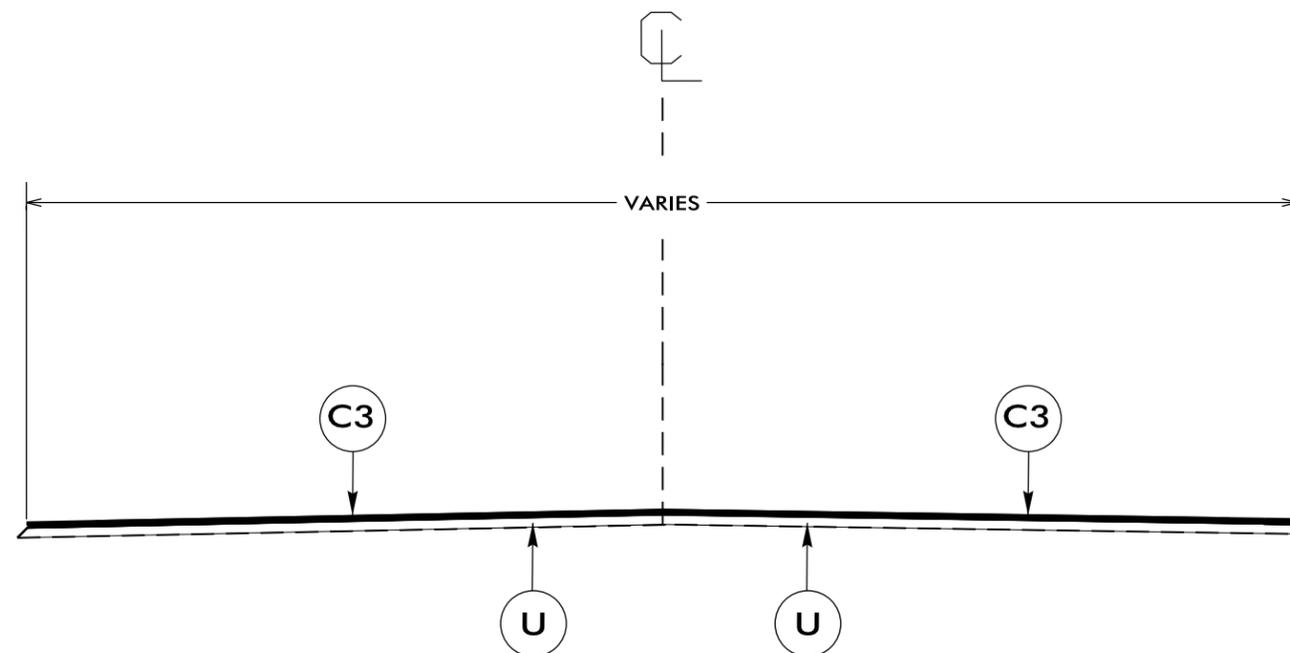
*ASPHALT SURFACE TREATMENT, DOUBLE SEAL CONSISTS OF TWO LAYERS OF TREATMENT:

BOTTOM LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF APPROX 0.30 ± GAL/SY AND A LAYER OF 78M AGGREGATE AT A RATE OF APPROX. 18 ± LBS/SY.

TOP LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF APPROX 0.25 ± GAL/SY AND A LAYER OF 5/16" LIGHTWEIGHT AGGREGATE AT A RATE OF APPROX. 9 ± LBS/SY.

*LIGHTWEIGHT AGGREGATE MATERIAL TO BE FURNISHED BY THE DEPARTMENT

*CONTRACTOR SHALL BE RESPONSIBLE FOR LOADING, HAULING, AND PLACING ALL MATERIALS.

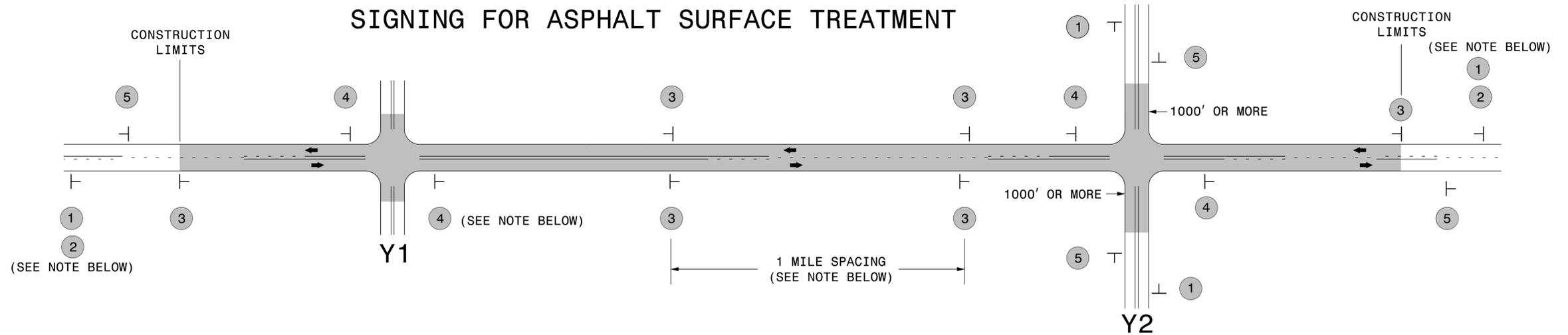


TYPICAL SECTION NO. 1

USE WITH MAPS 1 THRU 11

NTS

SIGNING FOR ASPHALT SURFACE TREATMENT



| LEGEND | |
|--------|---------------------------|
| ┆ | STATIONARY SIGN |
| ← | DIRECTION OF TRAFFIC FLOW |

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

| SIGNING NOTES AND PLACEMENT PER DIRECTION | 1 | <p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> |
|---|---|--|
| | 2 | <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p> |
| | 3 | <p>ALTERNATE THE FOLLOWING TWO SIGNS: STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".</p> <p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p> |
| | 4 | <p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p> |
| | 5 | <p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p> |

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.



ADVANCE WARNING SIGNS FOR ASPHALT SURFACE TREATMENTS 2 LANE ROADWAYS