

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 6

PLANS
Letting Date: April 23, 2025

CONTRACT ID: DF00513

TIP NO.: SS-6206AM

FEDERAL AID NO.: STATE FUNDED

WBS ELEMENT NO.: 2025CPT.06.16.10781.1 & 51425

ROUTE NO.: NC 211

LOCATION: FROM BEGIN I-95 PROJECT I-6064/I-5879 TO SR 1524

COUNTY: ROBESON

LENGTH OF PROJECT: 7.02 MILES

TYPE OF WORK: MILLING, RESURFACING, SINUSOIDAL MILLED RUMBLE STRIPES & PAVEMENT MARKINGS

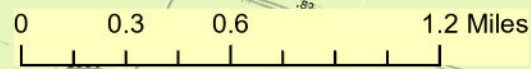
Robeson County Resurfacing, 2025

Contract DF00513



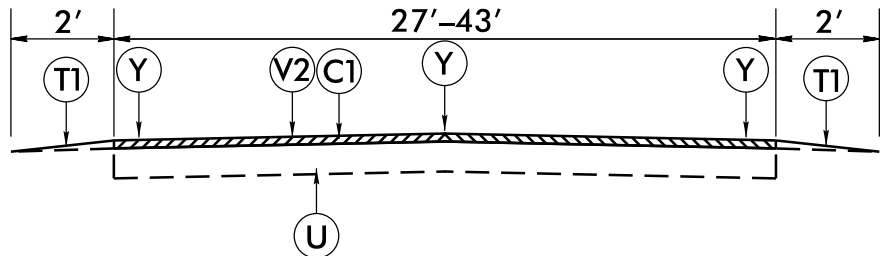
Legend

 **WBS: 2025CPT.06.16.10781.1**

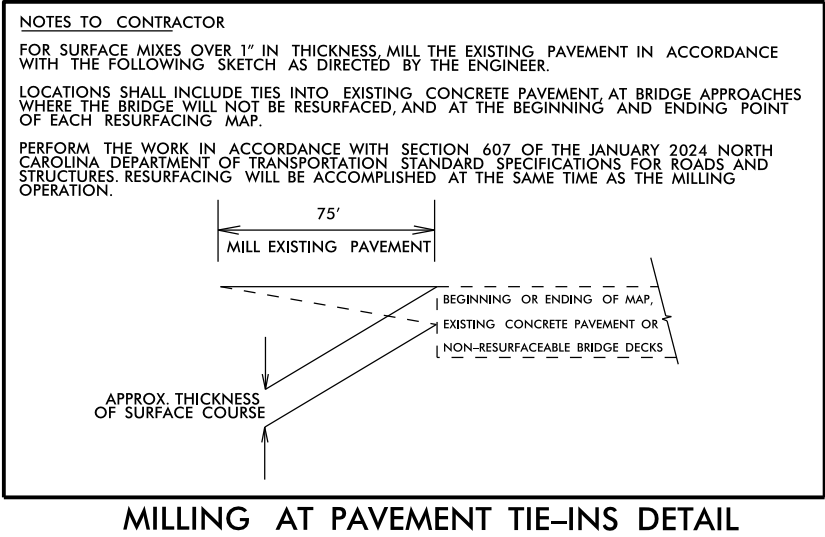
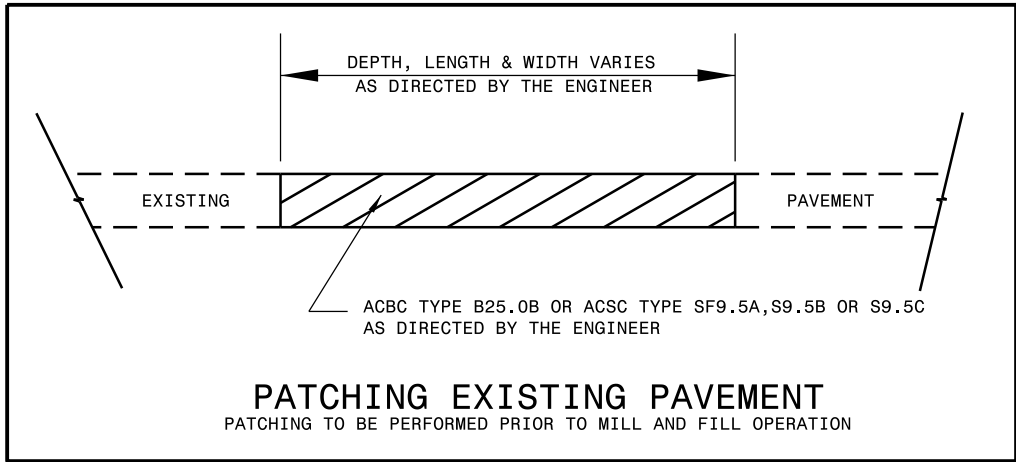
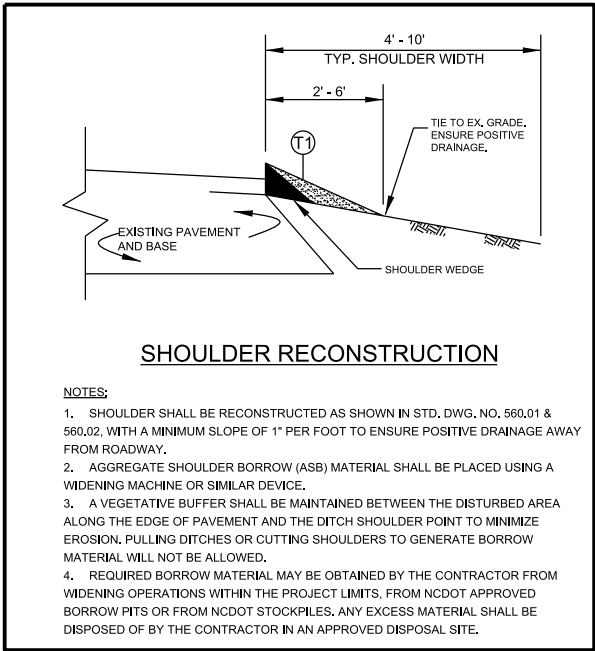
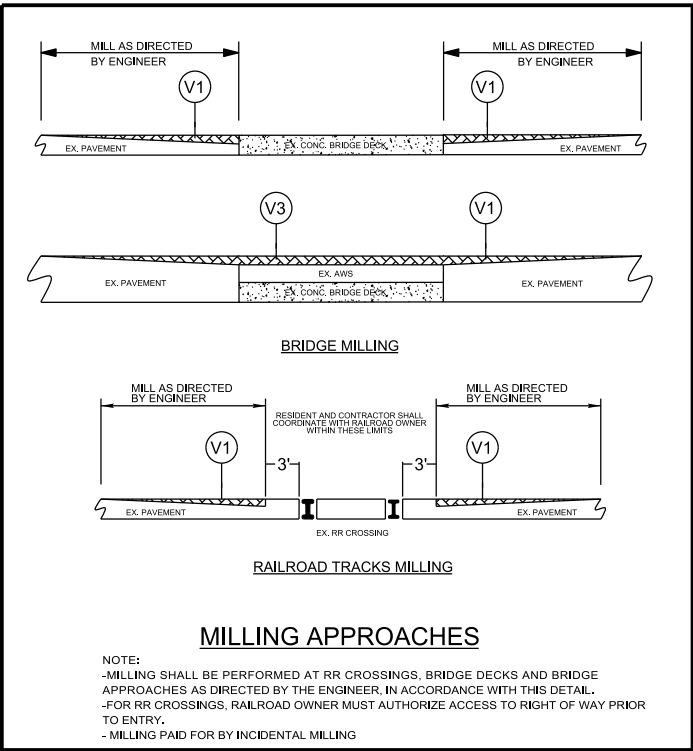


6/2/99
27-MAR-2025 15:05
\\s:\Engineering\District 1\2025\Resurfacing\DF00513.2025CPT.06.16.10781.1.NC.211\Plans\TYPICALS.dgn
388N\STATEWIDE\RESURFACING

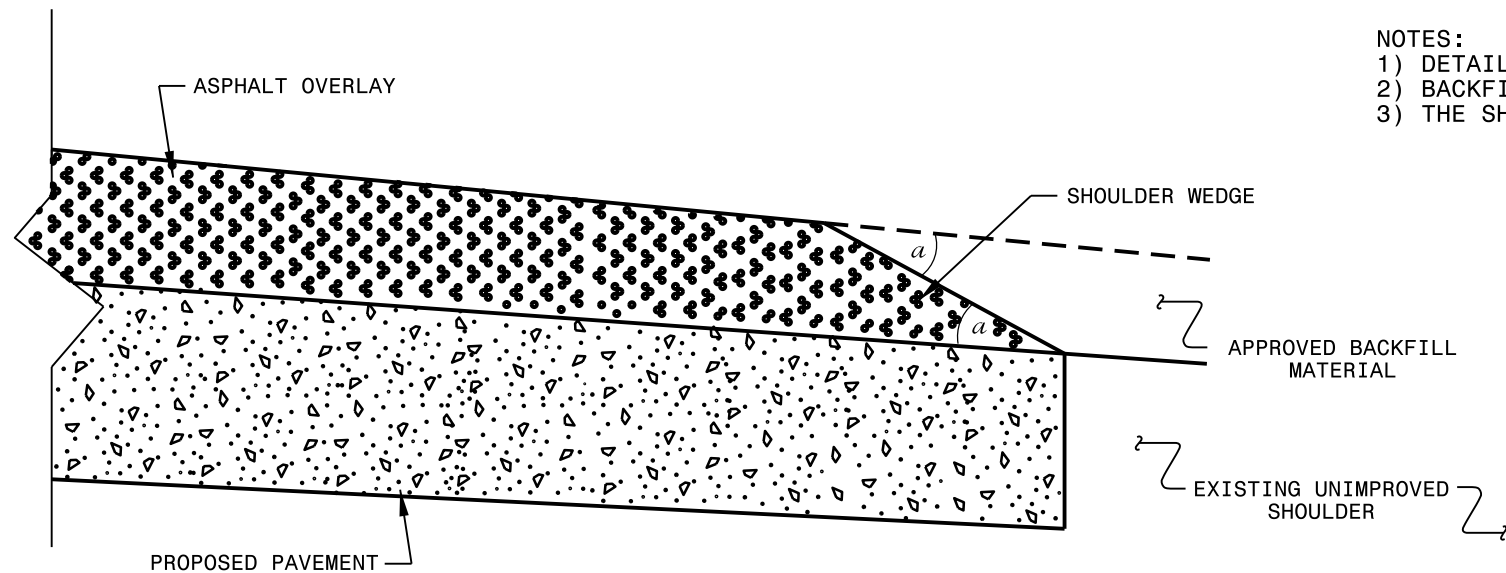
PAVEMENT SCHEDULE	
C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	0" - 1½" MILLING (INCIDENTAL MILLING)
V2	¾" MILLING
V3	1½" MILLING
Y	SINUSOIDAL MILLED RUMBLE STRIPE



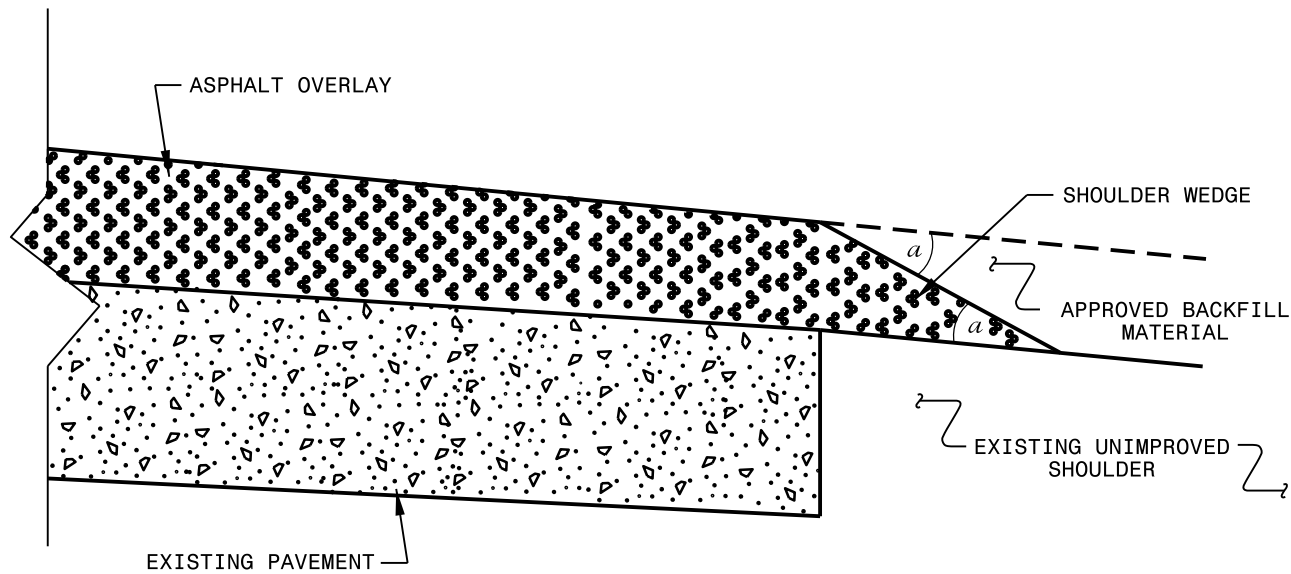
TYPICAL SECTION NO. 1



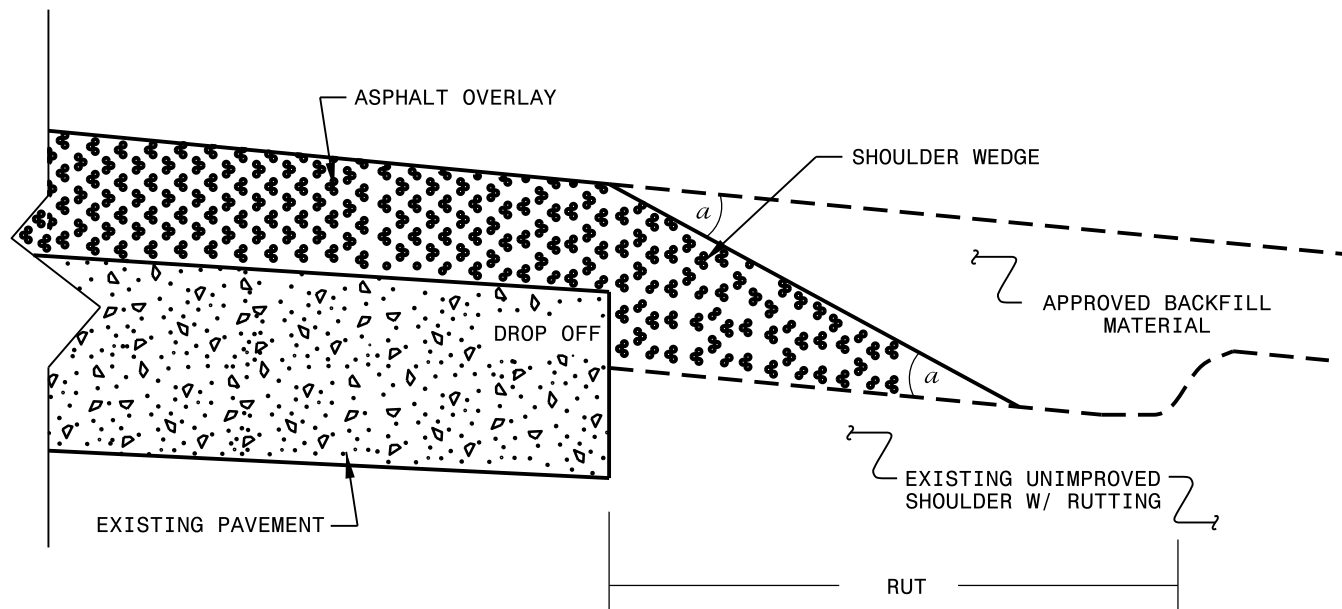
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or
with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to
Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

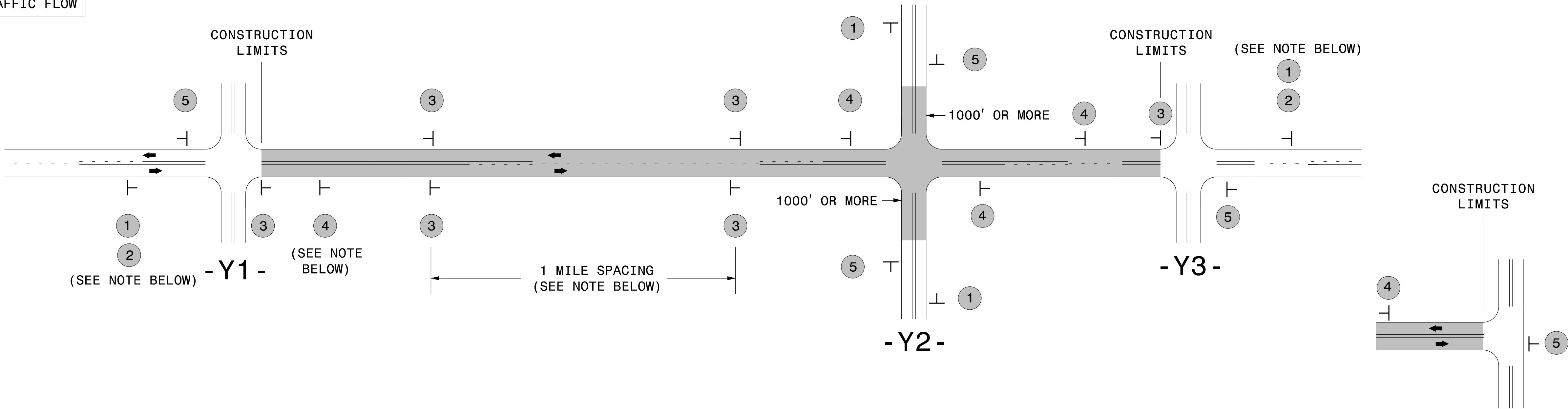
CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY:	T. SPELL	DATE:	7-19-11
MODIFIED BY:		DATE:	10/16/12
CHECKED BY:		DATE:	
FILE SPEC.:	s:\usr\details\stand\shoulderwedgedetail.dgn		

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW



TEE INTERSECTION

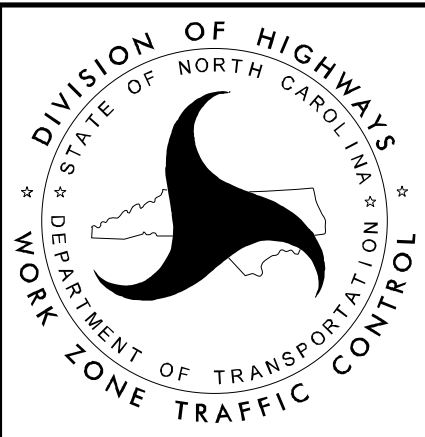
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<div><div>1</div><div><div>ROAD WORK AHEAD</div><div>W20-1 48" X 48"</div><div><div>NEXT XX MILES</div><div>W7-3aP 24" X 18"</div></div></div><div>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</div><div>#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)</div></div>	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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.
	<div><div>3</div><div><div>LOW/SOFT SHOULDER</div><div>SP 13107 48" X 48"</div></div><div>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</div></div>	
	<div><div>4</div><div><div>ROAD UNDER CONST</div><div>SP 13106 48" X 48"</div></div><div>- 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</div></div>	
	<div><div>5</div><div><div>END ROAD WORK</div><div>G20-2 A 48" X 24"</div></div><div>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</div></div>	
	THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.	
LESS 2 MILES	FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.	

DIVISION OF HIGHWAYS
* * * * *
STATE OF NORTH CAROLINA
* * * * *
DEPARTMENT OF TRANSPORTATION
* * * * *
WORK ZONE * * * * *
TRAFFIC CONTROL

AD



ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2-LANE ROADWAY
RESURFACING

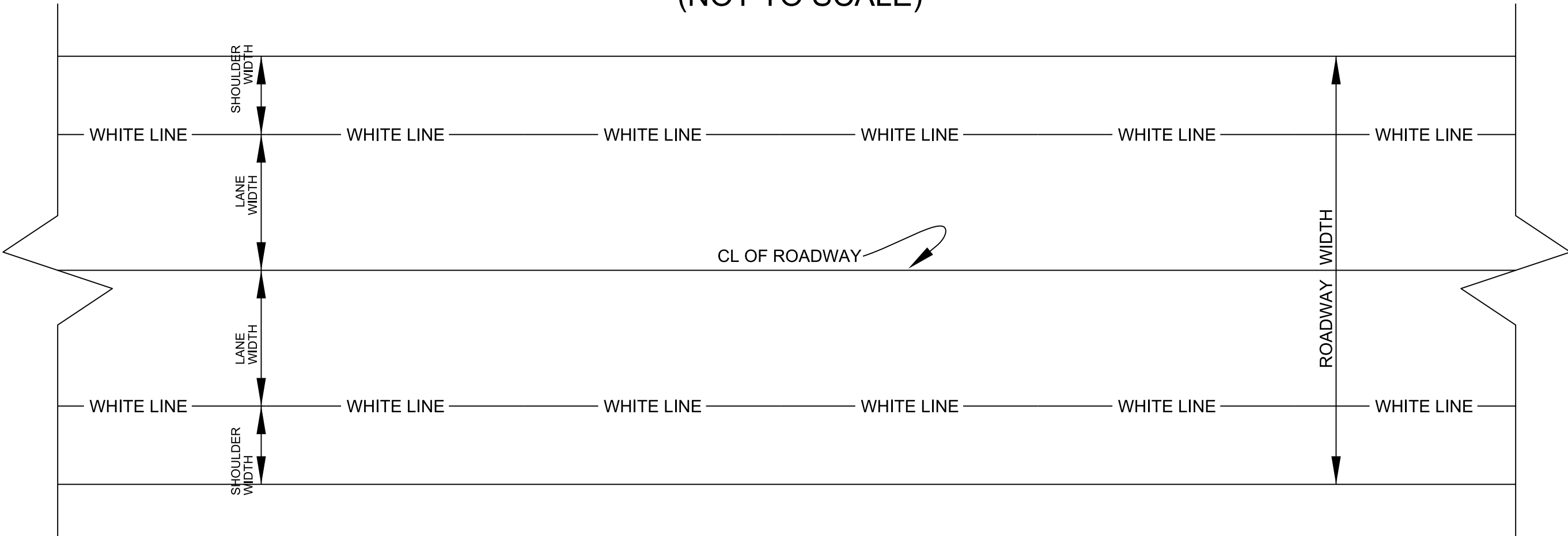
GUIDELINES FOR LANE WIDTHS ON RESURFACING PROJECTS

Contractor shall place the new pavement markings in accordance with this table and detail unless otherwise directed by the Engineer.

TWO LANE - TWO WAY ROADWAY - 55 MPH		
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH
18'	9' *	0'
20'	10' *	0'
22'	10'	1'
24'	10'	2'
26'	11'	2'
28'	12'	2'
32'	12'	4'
* May vary due to pavement width		

TWO LANE - TWO WAY ROADWAY		50
MPH OR LESS		
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH
18'	9' *	0'
20'	10' *	0'
22'	10'	1'
24'	10'	2'
26'	11'	2'
28'	11'	3'
32'	11'	5'
* May vary due to pavement width		

SCHEMATIC OF ROADWAY
(NOT TO SCALE)



PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.06.16.10781.1, 51425		

SUMMARY OF QUANTITIES

[illegible]

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.06.16.10781.1, 51425		

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	4688000000-E		4700000000-E	4725000000-E				4810000000-E		4825000000-E	4845000000-N				4900000000-N						
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GE NERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	12" X 90 M YELLOW THERMO	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO STR ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	12" YELLOW PAINT	PAINT RT ARROW	PAINT LT ARROW	PAINT STR & RT ARROW	PAINT STR ARROW	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS					
								MI	FT			SF	LS	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA		
2025CPT.06.16.10781.1	Robeson	1	NC-211	FROM BEGIN I-95 PROJECT I-6064/I-5879 TO SR 1524	1	2	2WU	7.02	27	11.22	18.24	786	1.00									75,784	61,820	1,010	8	23	4	4						
TOTAL FOR MAP NO. 1								7.02				786	1.000									75,784	61,820	1,010	8	23	4	4						
TOTAL FOR PROJ NO. 2025CPT.06.16.10781.1								7.02				786	1.000									75,784	61,820	1,010	8	23	4	4						
																					137,604					39								
51425	Robeson	1	NC-211	FROM MILE POST 11.57 TO MILE POST 18.24	1	2	2WU	6.67	27	11.57	18.24			79,039	63,549	1,010	23	8	4	4									647	90				
TOTAL FOR MAP NO. 2								6.67						79,039	63,549	1,010	23	8	4	4									647	90				
TOTAL FOR PROJ NO. 51425								6.67						79,039	63,549	1,010	23	8	4	4									647	90				
														142,588				39												737				
GRAND TOTAL								13.69				786	1.000	79,039	63,549	1,010	23	8	4	4	75,784	61,820	1,010	8	23	4	4	647	90					
														142,588				39					137,604					39					737	