# 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

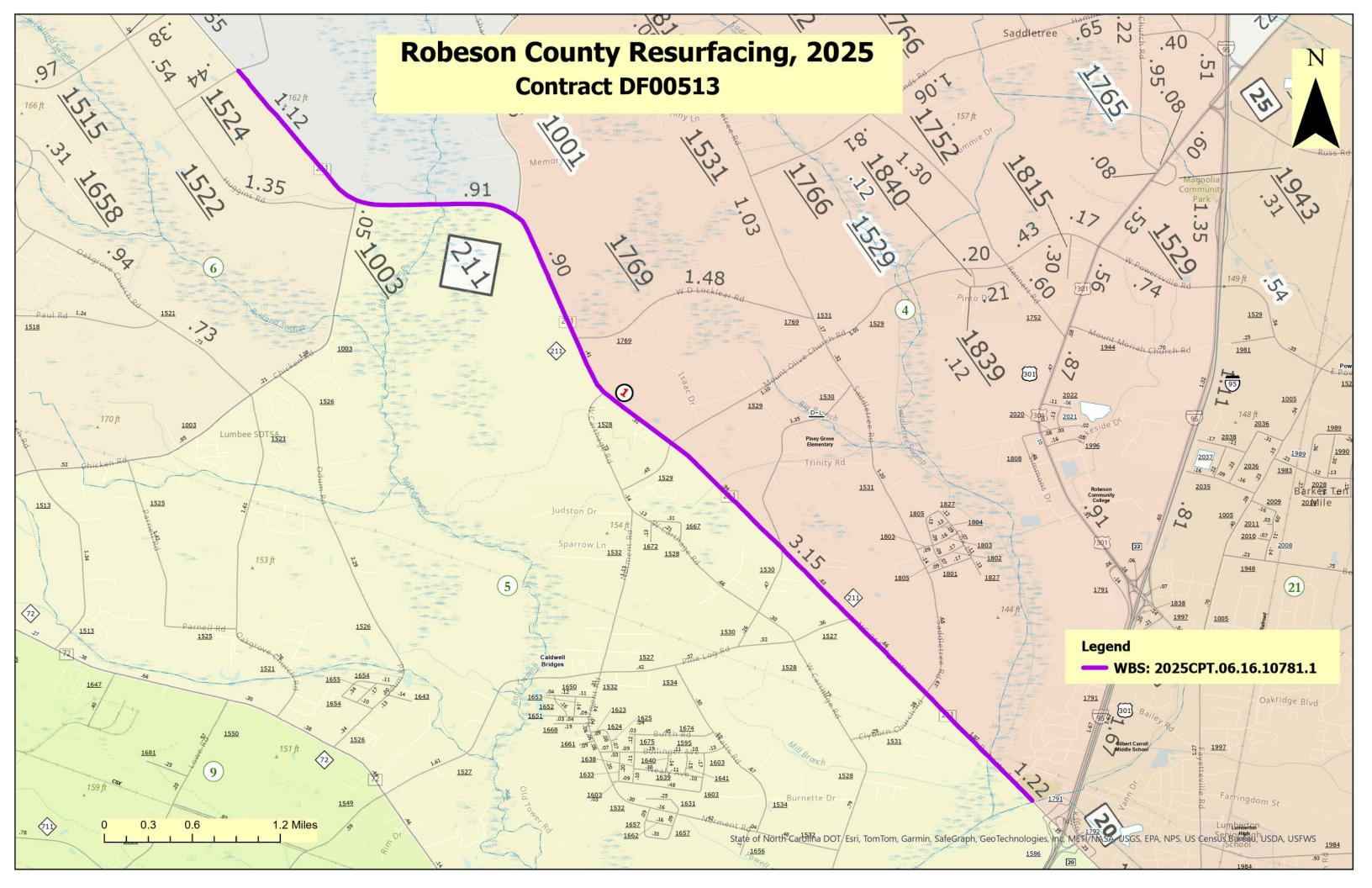
**ROUTE NO.:** NC 211

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

**COUNTY: ROBESON** 

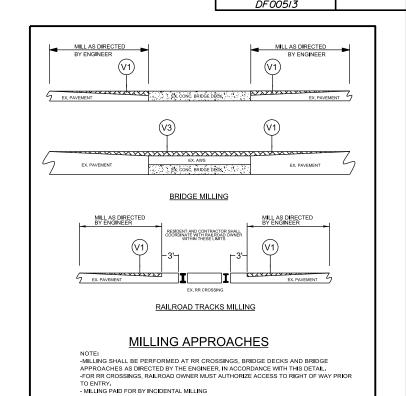
LENGTH OF PROJECT: 7.02 MILES

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

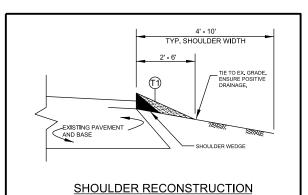


	PAVEMENT SCHEDULE
C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	0" - 1½" MILLING (INCIDENTAL MILLING)
V2	34" MILLING
٧3	1½" MILLING
Υ	SINUSOIDAL MILLED RUMBLE STRIPE

_ 2′ _	27′–43′	2′ _
	$\overline{Y}$ $\overline{Y}$ $\overline{Y}$ $\overline{Y}$	$\boxed{1}$
'		
	TVDTON OFOTTON NO. 4	
	TYPICAL SECTION NO. 1	

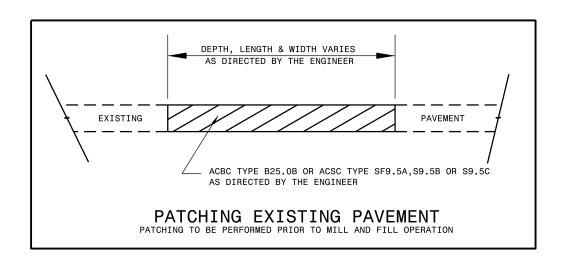


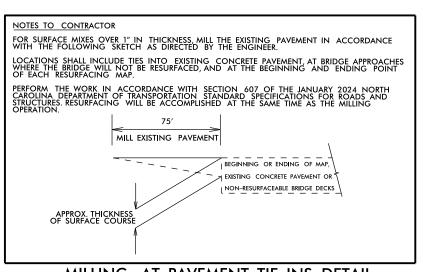
PROJECT REFERENCE NO.



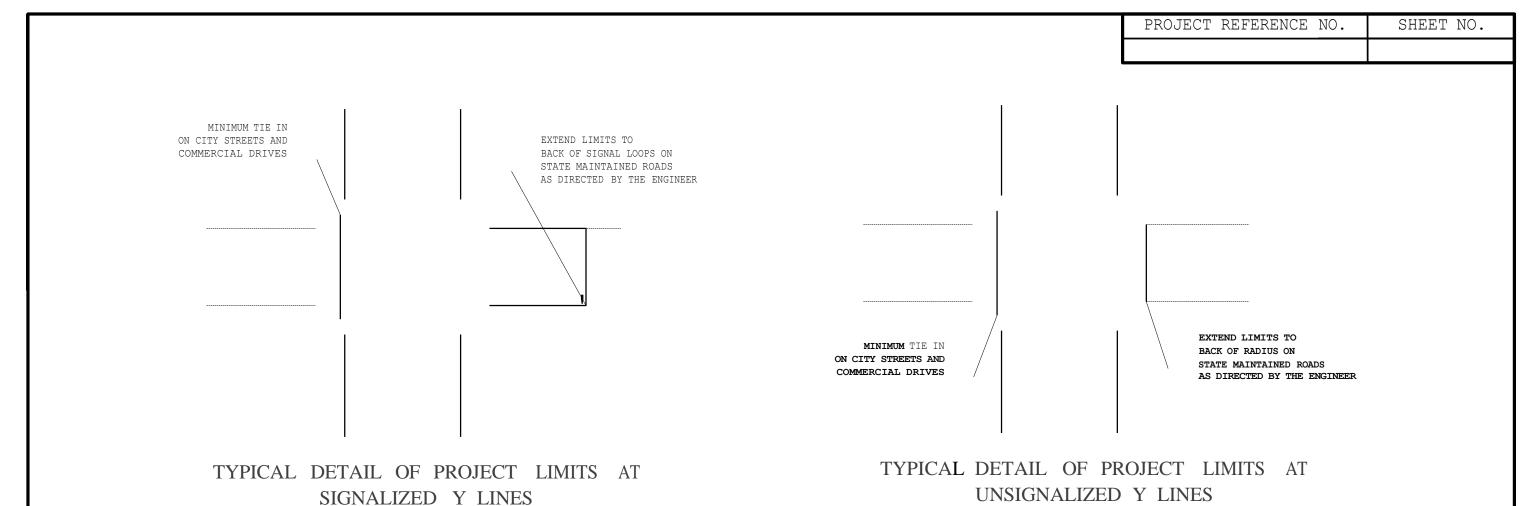
### NOTES:

- 1. SHOULDER SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY
- 2. AGGREGATE SHOULDER BORROW (ASB) MATERIAL SHALL BE PLACED USING A WIDENING MACHINE OR SIMILAR DEVICE.
- 3. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
- 4. REQUIRED BORROW MATERIAL MAY BE OBTAINED BY THE CONTRACTOR FROM WIDENING OPERATIONS WITHIN THE PROJECT LIMITS, FROM NCDOT APPROVED BORROW PITS OR FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.



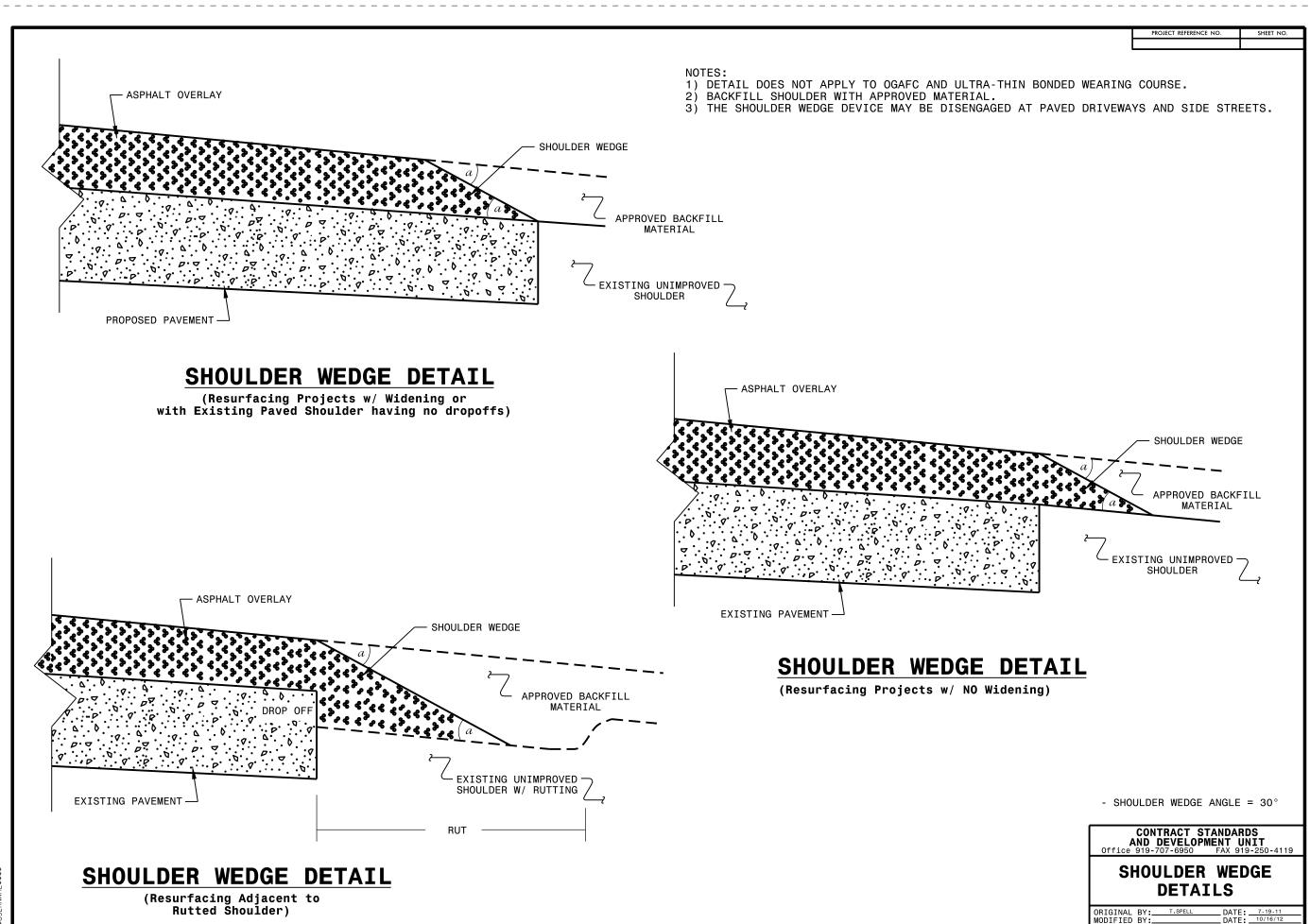


MILLING AT PAVEMENT TIE-INS DETAIL



ADDITIONAL INTERSECTIONS	(NON-TYPICAL)

	Extend paving limits to back or loop on the following into	
MAP#	STREET NAME	COMMENTS
1	SR 1531 (Saddletree Road) LT	67 FT from EP of L-Line = 292.7 SY
1	SR 1531 (Saddletree Road) RT	58 FT from EP of L-Line = 293.9 SY
1	SR 1527 (Pine Log Road) LT	85 FT from EP of L-Line = 553.1 SY
1	SR 1530 (Piney Grove Road) LT	150 FT from EP of L-Line = 682.6 SY
1	SR 1530 (Piney Grove Road) RT	99 FT from EP of L-Line = 396.1 SY
1	SR 1529 (Mt Olive Church Road) LT	174 FT from EP of L-Line = 845.3 SY
1	SR 1529 (Mt Olive Church Road) RT	79 FT from EP of L-Line = 510.6 SY
1	SR 1528 (W Carthage Road) LT	82 FT from EP of L-Line = 630.8 SY
1	SR 1769 (W D Locklear Road) RT	98 FT from EP of L-Line = 571.4 SY
1	SR 1001 (Shannon Road) RT	80 FT from EP of L-Line = 516.5 SY
1	SR 1003 (N Chicken Road) LT	89 FT from EP of L-Line = 720.0 SY

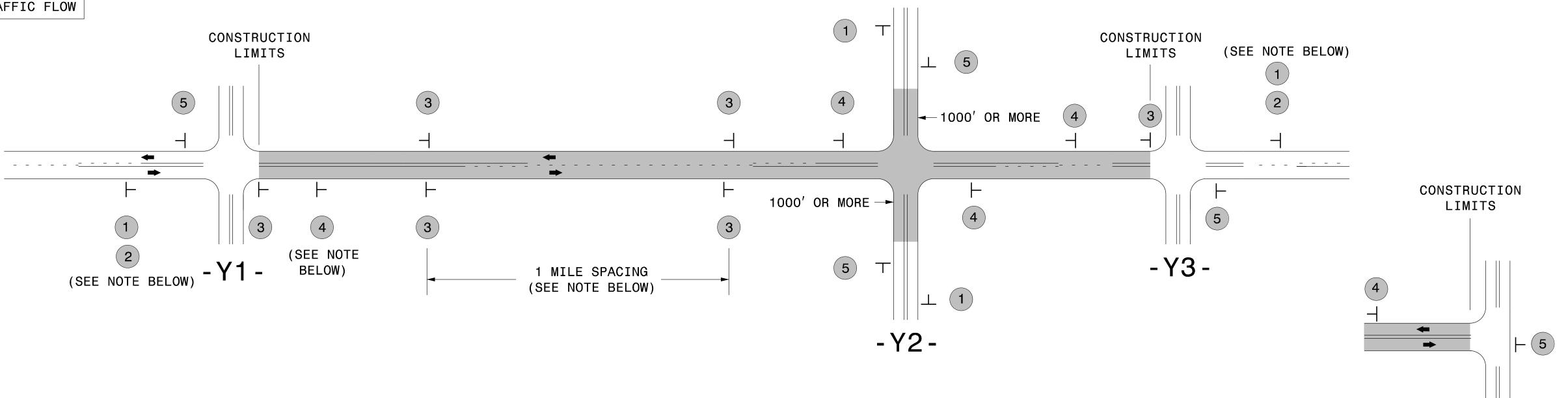


PROJ. REFERENCE NO. SHEET NO.

## SIGNING FOR RESURFACING PROJECTS



← DIRECTION OF TRAFFIC FLOW

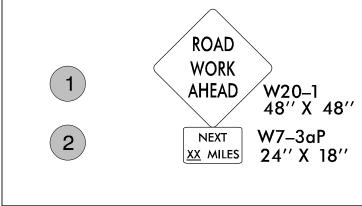


## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

# IGNING NOTES AND EMENT PER DIRECTION

SO



PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

#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)



- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.
- ROAD UNDER CONST SP 13106 48" X 48"
- 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
- END ROAD WORK G20-2 A 48" X 24"

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

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.

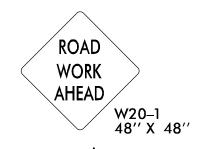
ALONG -L- LINE.

MAPS LESS THAN 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.

# 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

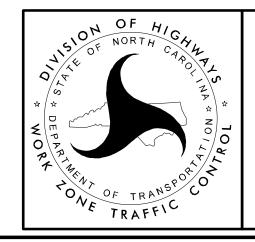
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER.



PLACED 250' IN ADVANCE
OF FLAGGER.



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

TEE INTERSECTION

## **GUIDELINES FOR LANE WIDTHS ON RESURFACING PROJECTS**

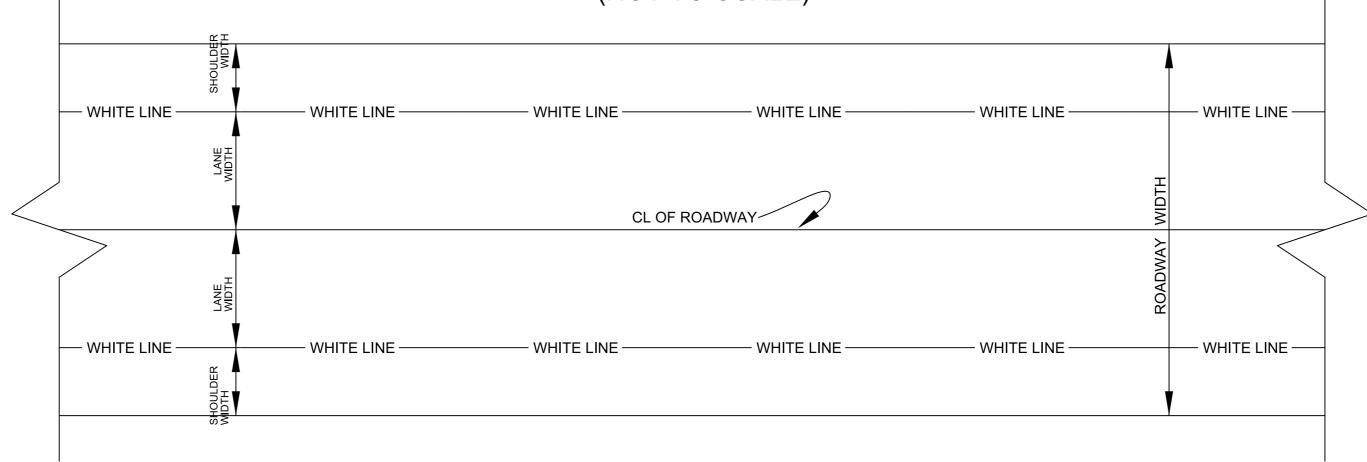
Contractor shall place the new pavement markings in accordance with this table and detail unless otherwise directed by the Engineer.

TWO LANE - TWO WAY ROADWAY - 55 MPH												
ROADWAY WIDTH LANE WIDTH SHOULDER W												
18'	9' *	0'										
20'	10' *	0'										
22'	10'	1'										
24'	10'	2'										
26'	11'	2'										
28'	12'	2'										
32'	12'	4'										

TWO LANE - TWO	TWO LANE - TWO WAY ROADWAY 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 pavemer	nt width											

## SCHEMATIC OF ROADWAY

(NOT TO SCALE)



PROJECTIVO	OUEETNO	TOTAL NIC
PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.06.16.10781.1, 51425		

## SUMMARY OF QUANTITIES

												1220000000-E	1245000000-E	1260000000-E	1297000	000-E	133000000-E	1523000000-E	1575000000-E	1704000000-E	1881000000-E	2845000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE	LENGTH	WIDTH	BEGIN	END	INCIDENTAL	SHOULDER	AGGREGATE	0.75"	11/2"	INCIDENTAL	SURFACE	ASPHALT	PATCHING	GENERIC	ADJ. OF METER
							TYPE			MP	MP	STONE BASE	RECONSTRUCTI	SHOULDER	MILLING	MILLIN	MILLING	COURSE, S9.5C	BINDER FOR	EXISTING	PAVING ITEM -	OR VALVE BOX
													ON	BORROW		G			PLANT MIX	PAVEMENT	SINUSOIDAL	
																					RUMBLE	
																					STRIPES	
								MI	FT			TONS	SMI	TON	SY	SY	SY	TONS	TONS	TONS	LF	EA
				FROM BEGIN I-95 PROJECT I-6064/ I-																		
2025CPT.06.16.10781.	1 Robeson	1	NC-211	5879 TO SR 1524	1	2	2WU	7.02	27	11.22	18.24	97	13.97	2,495	122,201	1,267	9,880	10,806	649	5		1
TOTAL	FOR MAP NO	. 1						7.02				97	13.97	2,495	122,201	1,267	9,880	10,806	649	5		1
TOTAL FOR PROJ N	IO 2025CPT	06 16 107	Q1 1					7.02				97	13.97	2,495	122,201	1,267	9,880	10,806	649	5		1
TOTALTONTROS	10. 202301 1.	00.10.107	01.1																			
				FROM MILE POST 11.57 TO MILE POST																		
51425	Robeson	1	NC-211	18.24	1	2	2WU	6.67	27	11.57	18.24										95,041.00	
TOTAL	FOR MAP NO	. 2						6.67													95,041.00	
TOTAL FO	R PROJ NO. 5	1425						6.67													95,041.00	
TOTALTO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1420																				
								T								1						
GR	RAND TOTAL							13.69				97	13.97	2,495	122,201	1,267	9,880	10,806	649	5	95,041.00	1
<b>U</b>	JULIE TOTAL																					

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

## THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-	4457000000-N	468800	00000-E	4700000000-E		47250	00000-E		481000	0000-E	4825000000-E		484500	00000-N		49000	00000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	TYPE	ENGTH.	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GE NERAL WARNING	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 D 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			SIGNING	LS	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	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		
	OR MAP NO							7.02				786	1.000								75,784	61,820	1,010	8	23	4	4		
TOTAL FOR PROJ N	). 2025CPT.	.06.16.107	781.1					7.02				786	1.000								75,784	61,820	1,010	8	23	4	4		
																1					137	,604				39			
54.405	B. I			FROM MILE POST 11.57 TO MILE POST			014/11	0.07	0.7	44.57	10.01			70.000	00.540	1.010			,	,								0.47	
51425	Robeson		NC-211	18.24	1	2	2WU	6.67	27	11.57	18.24			79,039	63,549	1,010	23	8	4	4								647 <b>647</b>	90
IUIALI	OR MAP NO	). 2				-	-	6.67			-		-	79,039	63,549	1,010	23	8	4	4			-						90
TOTAL FOR	PROJ NO. 5	51425				-	+ +	6.67						79,039	63,549	1,010	23	8	4	4			+					647	90
														142	,588	1			39									7	37
								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
GRA	ND TOTAL													142	,588				39		137	,604				39		7	37