

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 6

PLANS
Letting Date: March 26, 2025

CONTRACT ID: DF00508

TIP NO.: -----

FEDERAL AID NO.: STATE FUNDED

WBS ELEMENT NO.: 2025CPT.06.14.10781.1 & 2025CPT.06.14.20781.1

ROUTE NO.: VARIES

LOCATION: VARIES

COUNTY: ROBESON

LENGTH OF PROJECT: 16.44 MILES

TYPE OF WORK: WIDENING, RESURFACING, MILLING & PAVEMENT MARKINGS

Robeson County Resurfacing, 2025

Contract DF00508



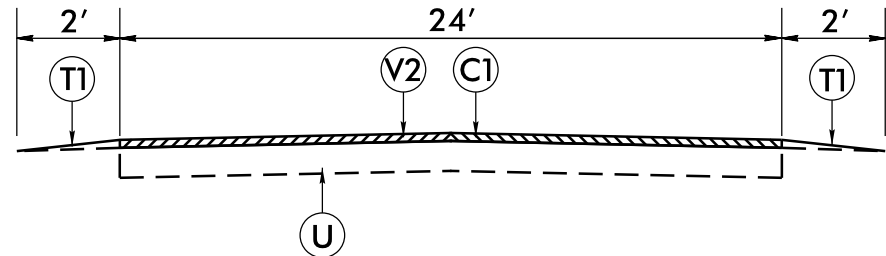
Legend

- WBS: 2025CPT.06.14.10781.1
- WBS: 2025CPT.06.14.20781.1

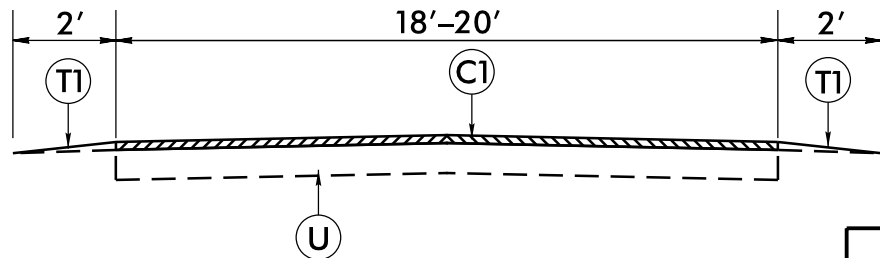
0 0.44 0.88 1.76 Miles

6/2/299
18-FEB-2025 10:41
333N157R14M1E1833
\\2025\Resurfacing\DF00508-2025CPT.06.14.10781.1.etc.Spring 2025\Plans\TYPICALS.dgn

PAVEMENT SCHEDULE	
C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
E1	5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	0" - 1½" MILLING
V2	¾" MILLING
V3	1½" MILLING

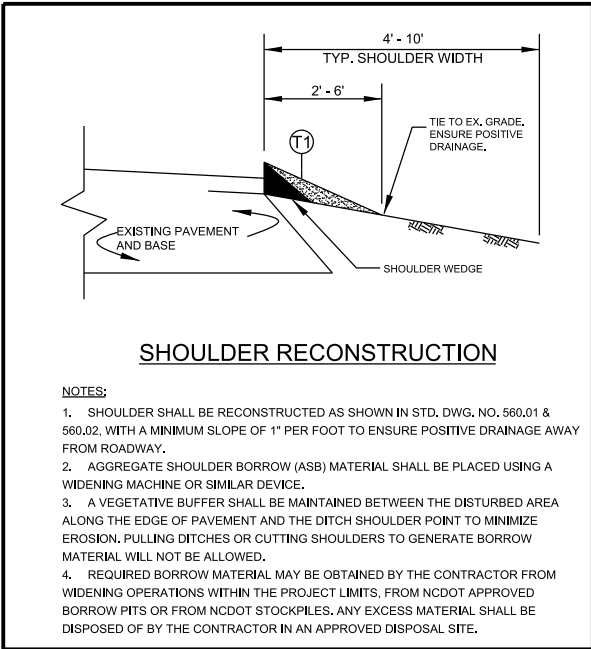
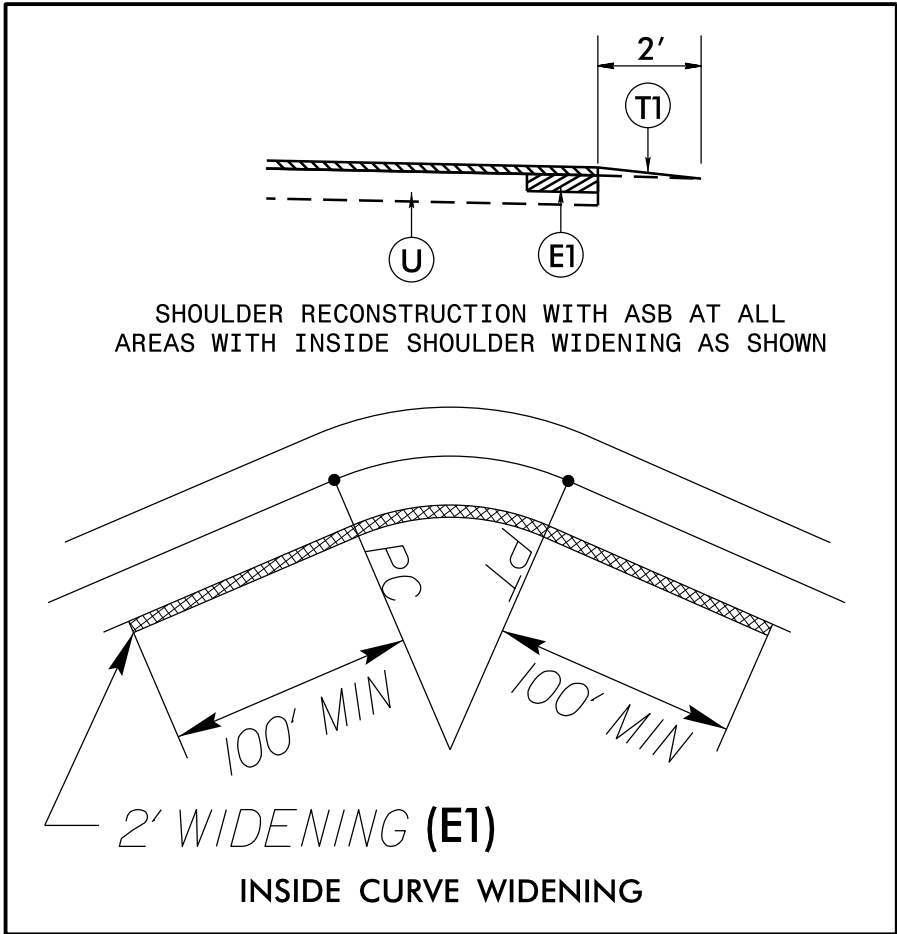


TYPICAL SECTION NO. 1



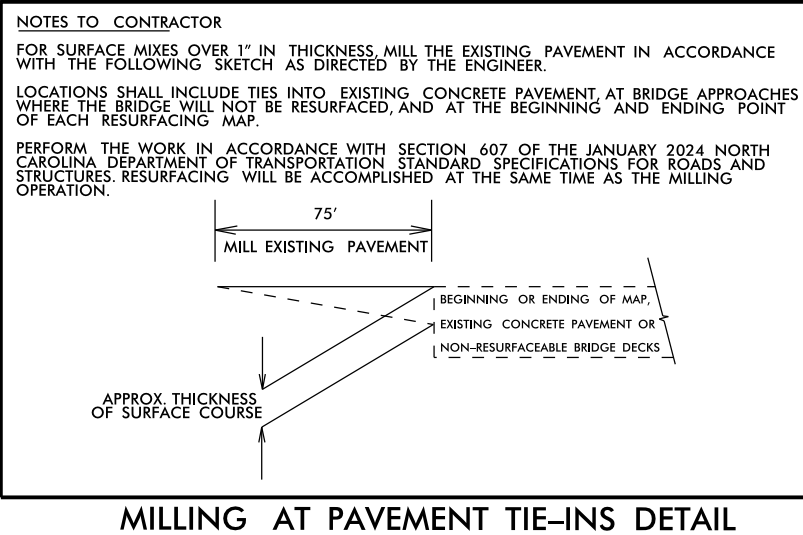
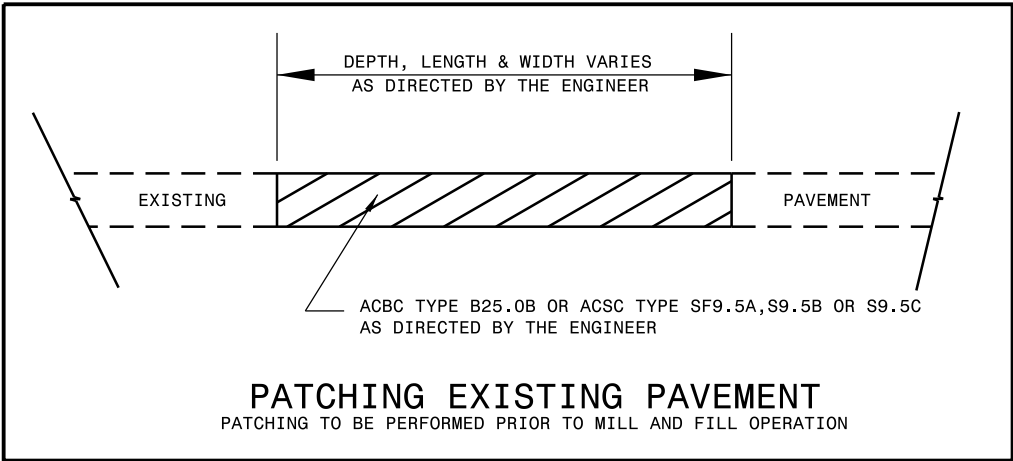
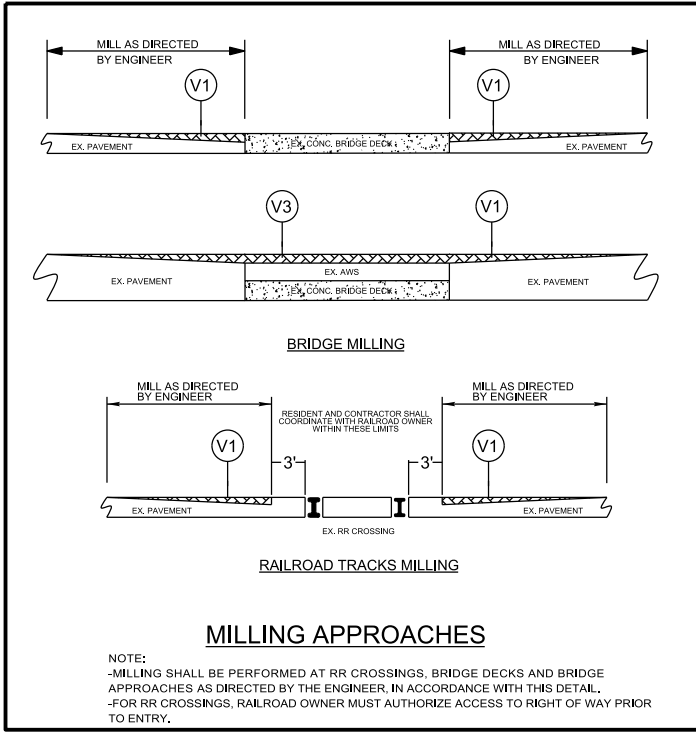
TYPICAL SECTION NO. 2

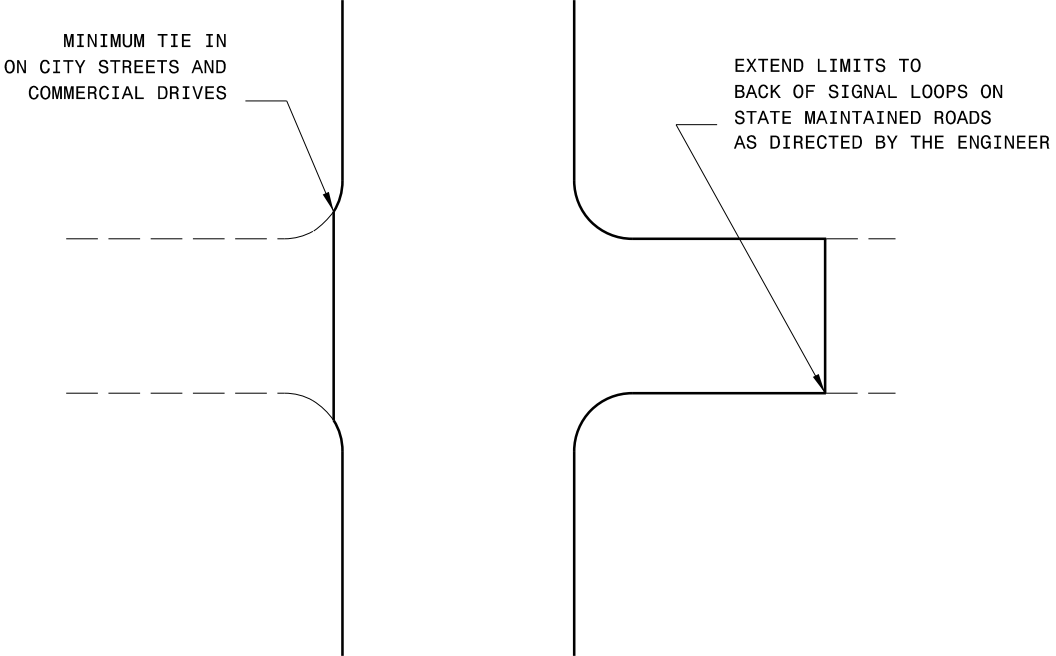
*PLUS 2' INSIDE CURVE WIDENING
(SEE DETAIL)



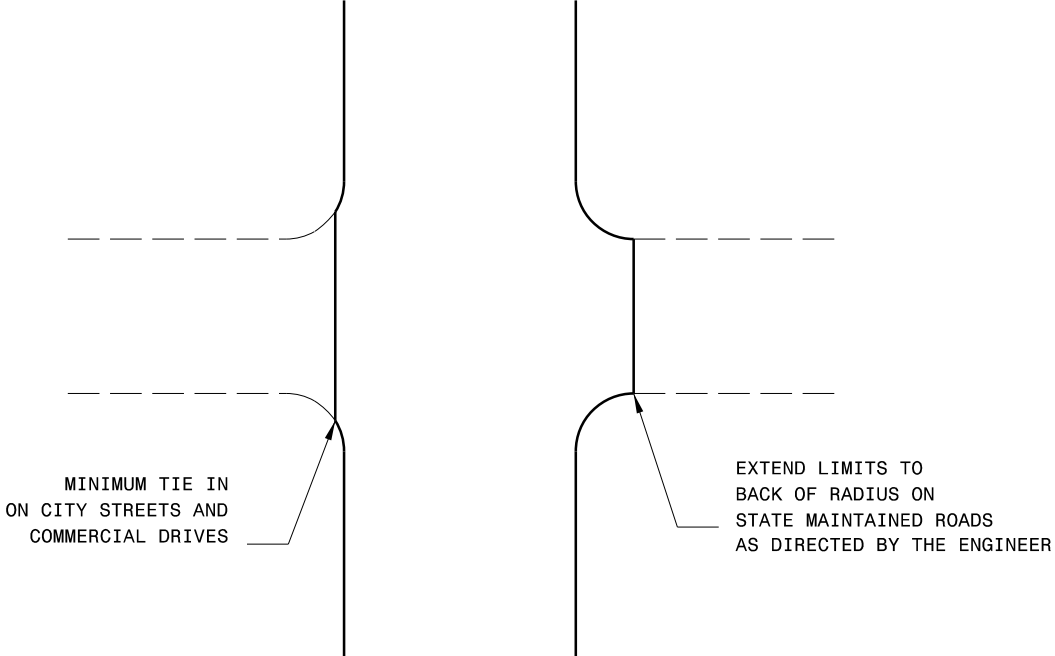
SHOULDER RECONSTRUCTION

- NOTES:
- 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 FROM ROADWAY.
 - AGGREGATE SHOULDER BORROW (ASB) MATERIAL SHALL BE PLACED USING A WIDENING MACHINE OR SIMILAR DEVICE.
 - 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.
 - 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.





TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



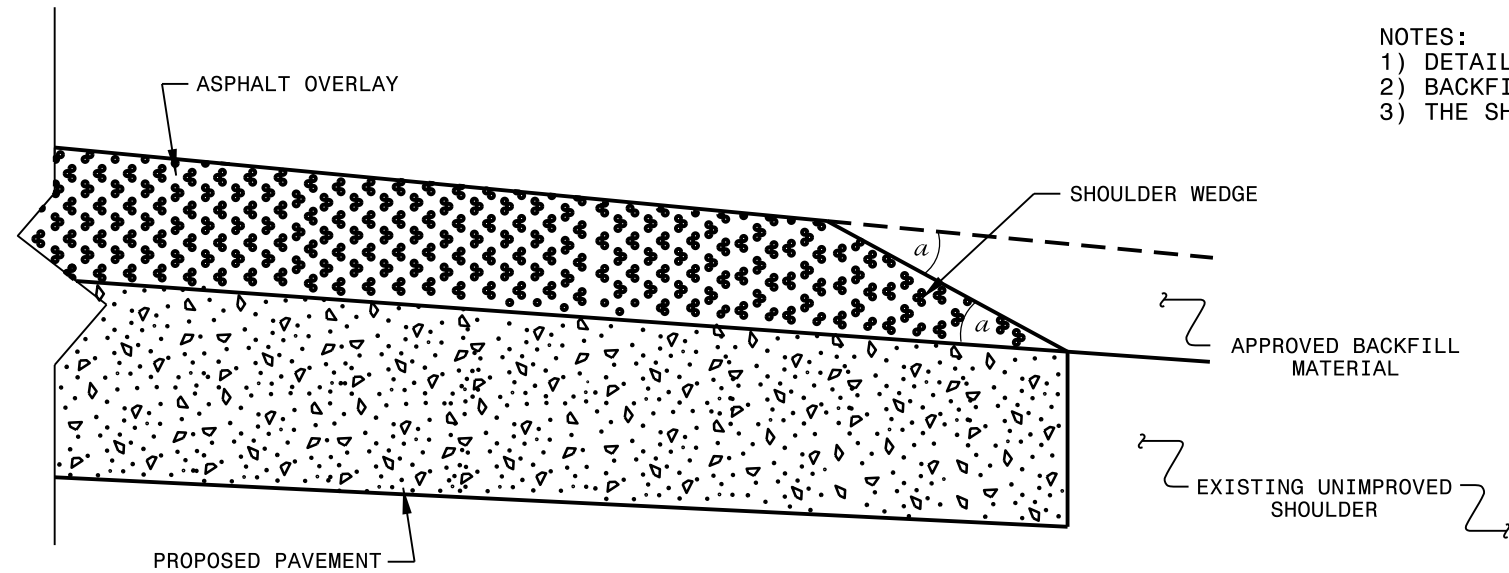
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

ADDITIONAL INTERSECTIONS (NON-TYPICAL)

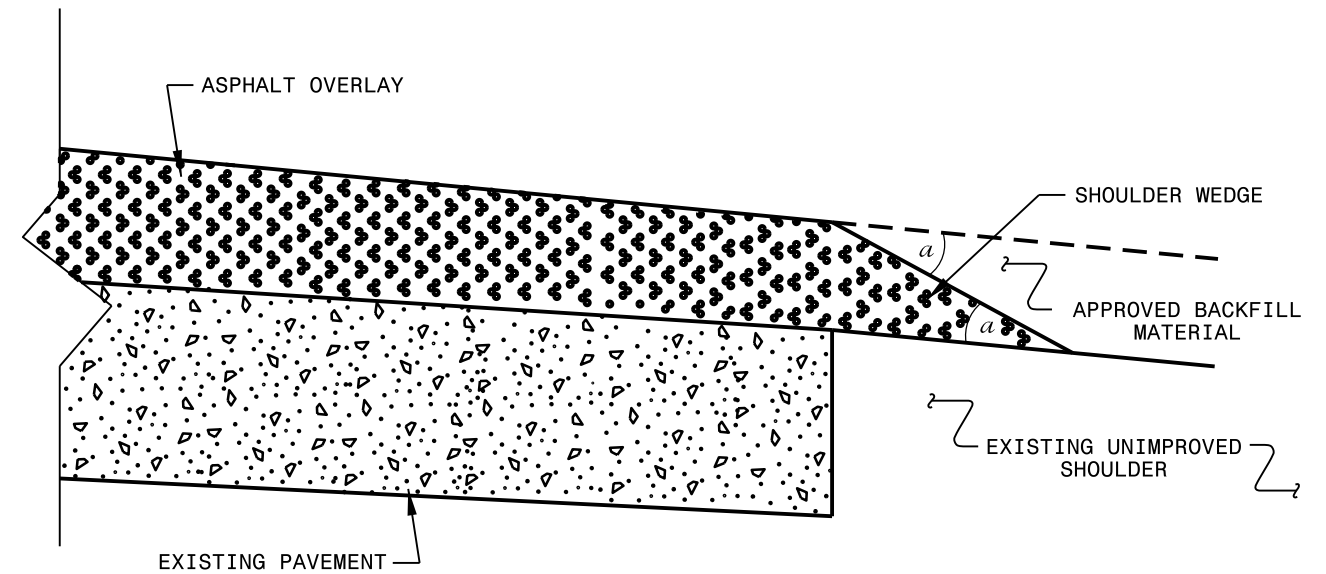
Extend paving limits to back of radius
or loop on the following intersections

[illegible]

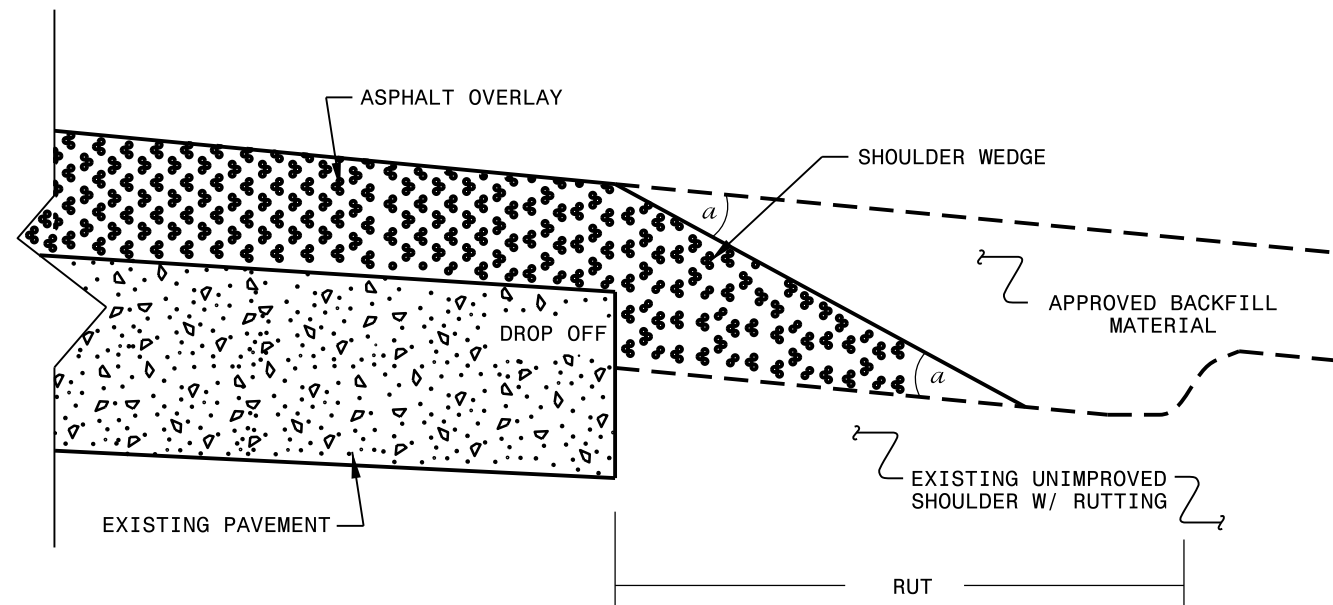
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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°

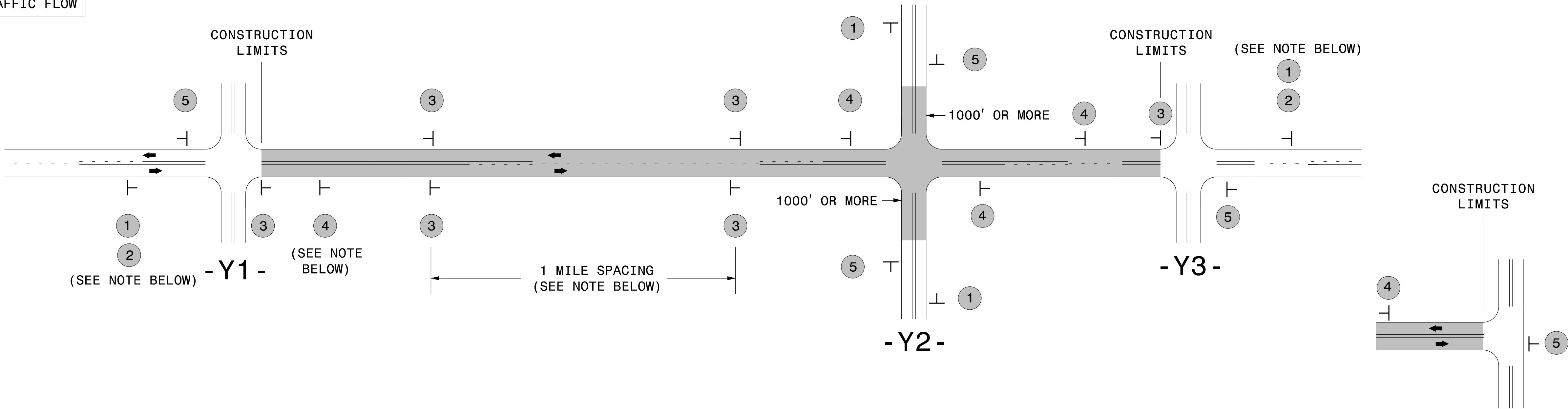
CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY:	T.SPELL	DATE:	7-19-11
MODIFIED BY:		DATE:	10/16/12
CHECKED BY:		DATE:	
ETLE SPFC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW



TEE INTERSECTION

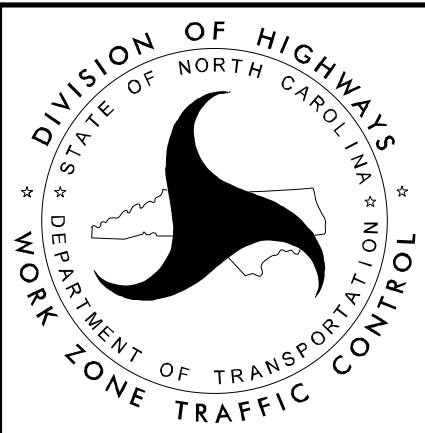
MAINLINE (-L-) SIGNING

-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> <div><div>2</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. #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>	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> <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>4</div><div><div>ROAD UNDER CONST</div><div>SP 13106 48" X 48"</div></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>5</div><div><div>END ROAD WORK</div><div>G20-2 A 48" X 24"</div></div></div> <div>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</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
* * * * *
OFFICE OF NORTH CAROLINA
* * * * *
DEPARTMENT OF TRANSPORTATION
* * * * *
WORK ZONE * * * * *
TRAFFIC CONTROL

AD



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

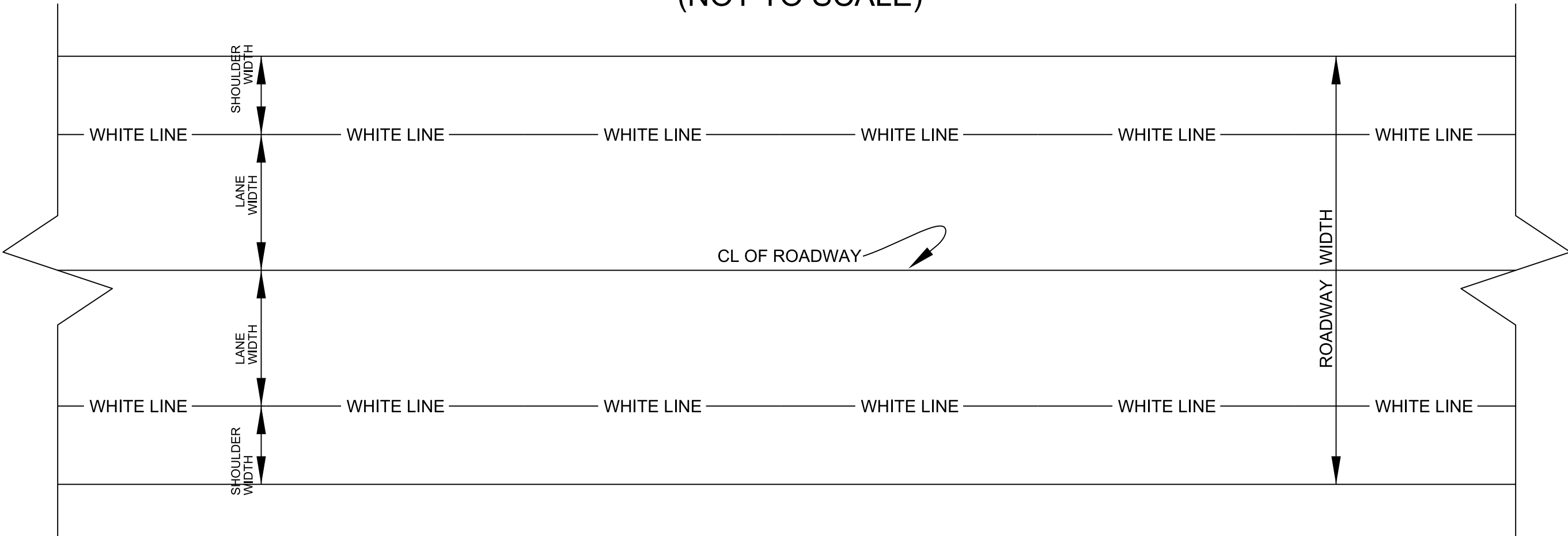
GUIDELINES FOR LANE WIDTHS ON RESURFACING PROJECTS

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.
PT.06.14.10781.1, 2025CPT.06.14.2		

SUMMARY OF QUANTITIES

												1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1491000000-E	1519000000-E	1520000000-E	1575000000-E	1704000000-E	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGI	END	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTI ON	AGGREGATE SHOULDER BORROW	0.75" MILLING	1½" MILLIN G	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT
								MI	FT	N MP	MP				SY	SY						
2025CPT.06.14.10781.1	Robeson	1	NC-83	FROM US 501 TO PVMT JT SW OF NC 130	1	2	2WU	2.22	24	5	7.22	27	4.36	705	30,694	742	2,515		2,722		182	
TOTAL FOR MAP NO. 1								2.22				27	4.36	705	30,694	742	2,515		2,722		182	
TOTAL FOR PROJ NO. 2025CPT.06.14.10781.1								2.22				27	4.36	705	30,694	742	2,515		2,722		182	
															31,436							
2025CPT.06.14.20781.1	Robeson	2	SR-1101 / GADDYS MILL RD	FROM SR 1104 TO US 501	2	2	2WU	6.55	19	3.68	10.23	73	13.05	2,102		462	3,502	588	6,467	10	461	5
TOTAL FOR MAP NO. 2								6.55				73	13.05	2,102		462	3,502	588	6,467	10	461	5
2025CPT.06.14.20781.1	Robeson	3	SR-1183 / ALFORDSVILLE RD	FROM SR 1131 TO SR 1134	2	2	2WU	3.73	20	0	3.73	55	7.44	1,202		202	1,858	368	3,836	10	276	2
TOTAL FOR MAP NO. 3								3.73				55	7.44	1,202		202	1,858	368	3,836	10	276	2
2025CPT.06.14.20781.1	Robeson	4	SR-1134 / KITCHEN STREET RD	FROM US 501 TO NC 710	2	2	2WU	2.84	18	3.36	6.2	32	5.68	918			1,111	51	2,587	10	180	81
TOTAL FOR MAP NO. 4								2.84				32	5.68	918			1,111	51	2,587	10	180	81
2025CPT.06.14.20781.1	Robeson	5	SR-1195 / WESLEY RD	FROM NC 710 TO DEAD END	2	2	2WU	1.1	20	0	1.1	55	2.20	356			278	121	1,122	10	83	23
TOTAL FOR MAP NO. 5								1.1				55	2.20	356			278	121	1,122	10	83	23
TOTAL FOR PROJ NO. 2025CPT.06.14.20781.1								14.22				215	28.37	4,578		664	6,749	1,128	14,012	40	1,000	111
															664							
GRAND TOTAL								16.44				242	32.73	5,283	30,694	1,406	9,264	1,128	16,734	40	1,182	111
															32,100							

PROJECT NO.	SHEET NO.	TOTAL NO.
.06.14.10781.1, 2025CPT.06.14		

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	4685000000-E		4810000000-E		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	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" WHITE PAINT	4" YELLOW PAINT	YELLOW & YELLOW MARKERS
								MI	FT			SF	LS	LF	LF	LF	LF	EA
2025CPT.06.14.10781.1	Robeson	1	NC-83	FROM US 501 TO PVMT JT SW OF NC 130	1	2	2WU	2.22	24	5	7.22	249	1.00	23,444	16,411	23,444	16,411	147
TOTAL FOR MAP NO. 1								2.22				249	1.000	23,444	16,411	23,444	16,411	147
TOTAL FOR PROJ NO. 2025CPT.06.14.10781.1								2.22				249	1.000	23,444	16,411	23,444	16,411	147
														39,855		39,855		
2025CPT.06.14.20781.1	Robeson	2	SR-1101 / GADDYS MILL RD	FROM SR 1104 TO US 501	2	2	2WU	6.55	19	3.68	10.23	734		69,168	48,418			433
TOTAL FOR MAP NO. 2								6.55				734		69,168	48,418			433
2025CPT.06.14.20781.1	Robeson	3	SR-1183 / ALFORDSVILLE RD	FROM SR 1131 TO SR 1134	2	2	2WU	3.73	20	0	3.73	418		39,389	27,573			247
TOTAL FOR MAP NO. 3								3.73				418		39,389	27,573			247
2025CPT.06.14.20781.1	Robeson	4	SR-1134 / KITCHEN STREET RD	FROM US 501 TO NC 710	2	2	2WU	2.84	18	3.36	6.2	318		29,991	20,994			188
TOTAL FOR MAP NO. 4								2.84				318		29,991	20,994			188
2025CPT.06.14.20781.1	Robeson	5	SR-1195 / WESLEY RD	FROM NC 710 TO DEAD END	2	2	2WU	1.1	20	0	1.1	123		11,616	8,132			73
TOTAL FOR MAP NO. 5								1.1				123		11,616	8,132			73
TOTAL FOR PROJ NO. 2025CPT.06.14.20781.1								14.22				1,593		150,164	105,117			941
														255,281				
GRAND TOTAL								16.44				1,842	1.000	173,608	121,528	23,444	16,411	1,088
														295,136		39,855		