STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION 6

PLANS

Letting Date: September 4, 2024

CONTRACT ID: DF00487

TIP NO.: -----

FEDERAL AID NO.: STATE FUNDED

WBS ELEMENT NO.: 2025CPT.06.02.20241.1

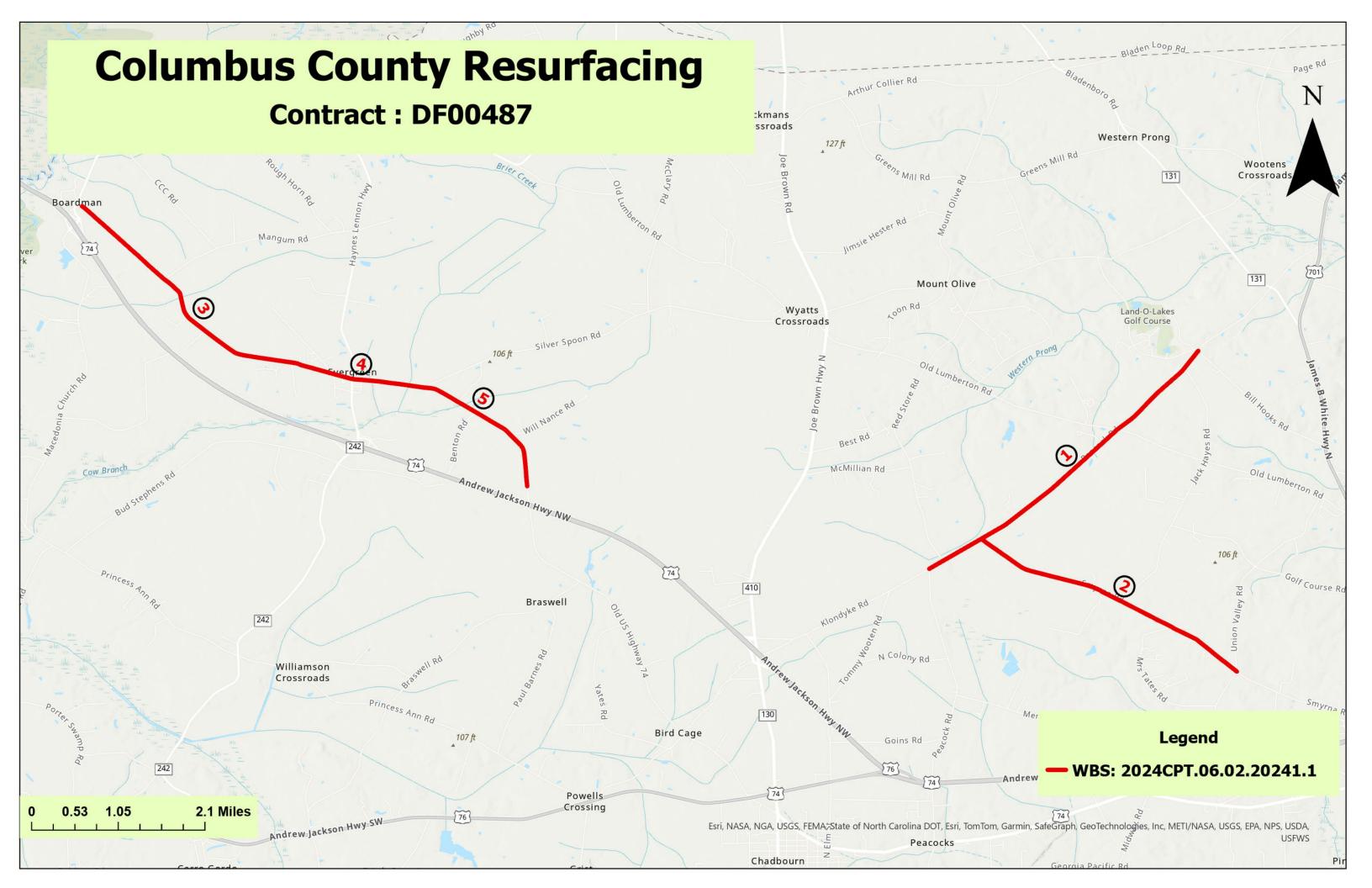
ROUTE NO.: VARIES

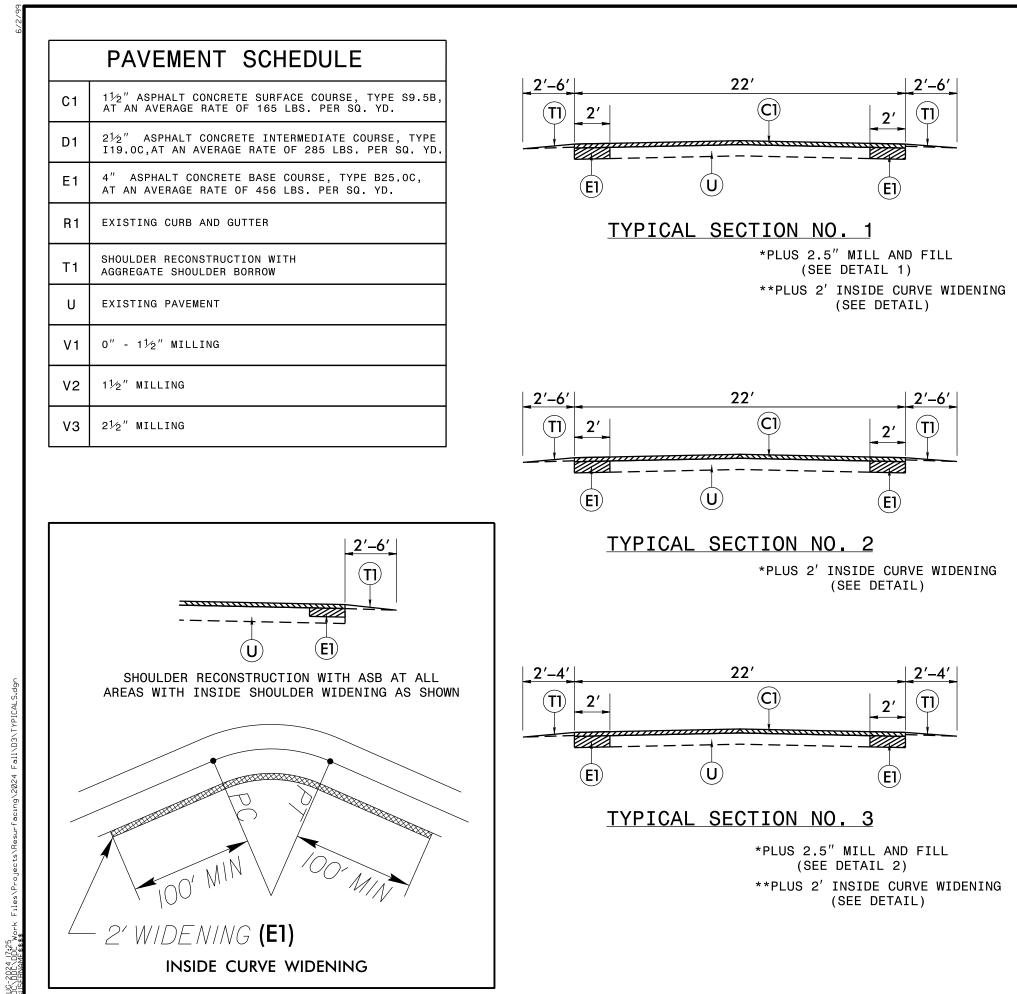
LOCATION: VARIES

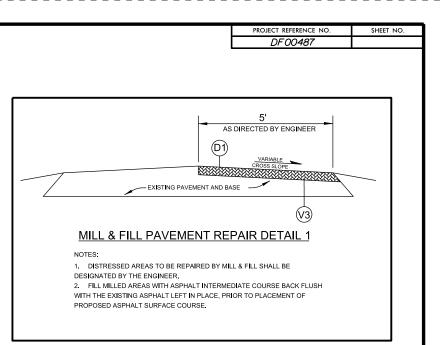
COUNTY: COLUMBUS

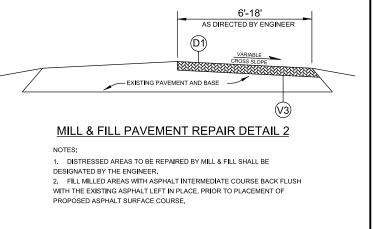
LENGTH OF PROJECT: 12.877 MILES

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









	PAVEMENT SCHEDULE				
C1	$1^{1}\!\!2^{\prime\prime}$ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.				
D1	2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C,AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.				
E1	4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.				
R1	EXISTING CURB AND GUTTER				
Τ1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW				
U	EXISTING PAVEMENT				
V1	0" - 1 ¹ 2" MILLING				
V2	1 ¹ /2" MILLING				
V3	2 ¹ /2" MILLING				

_2′_6′_

(T1)

SHOULDER RECONSTRUCTION WITH ASB AT ALL

AREAS WITH INSIDE SHOULDER WIDENING AS SHOWN

INSIDE CURVE WIDENING

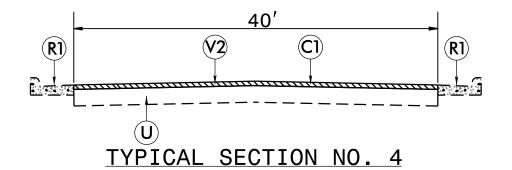
 (\mathbf{U})

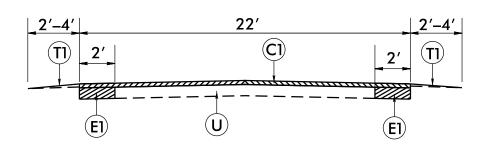
100' MIN

2' WIDENING (E1)

(E1)

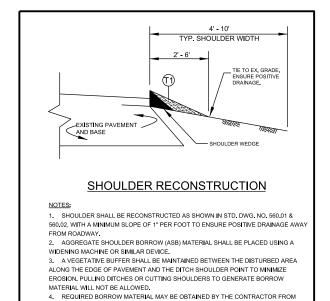
MIA



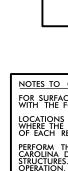


TYPICAL SECTION NO. 5

*PLUS 2.5" MILL AND FILL (SEE DETAIL 3) **PLUS 2' INSIDE CURVE WIDENING (SEE DETAIL)

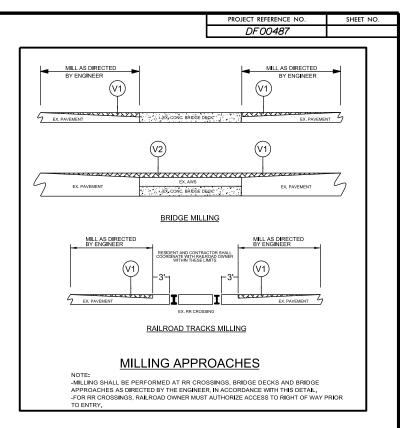


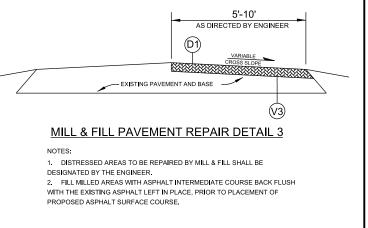
 REQUIRED BORROW MATERIAL MAY BE OBTAINED BY THE CONTRACTOR FROM WIDENING OPERATIONS WITHIN THE PROJECT LIMITS, FROM NCDOT APPROVED BORROW PITS OR FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.



-AUG-2024 17:25 YPICALS.don \$\$LISERNAMF \$\$

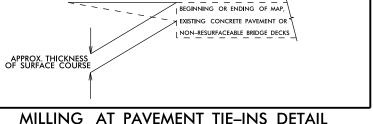


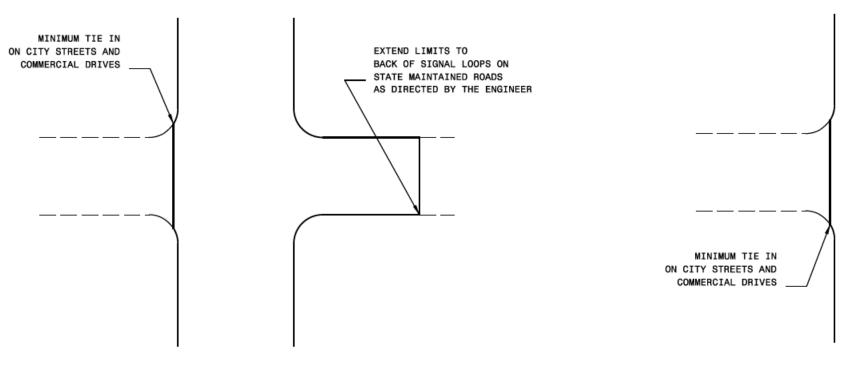




NOTES TO CONTRACTOR

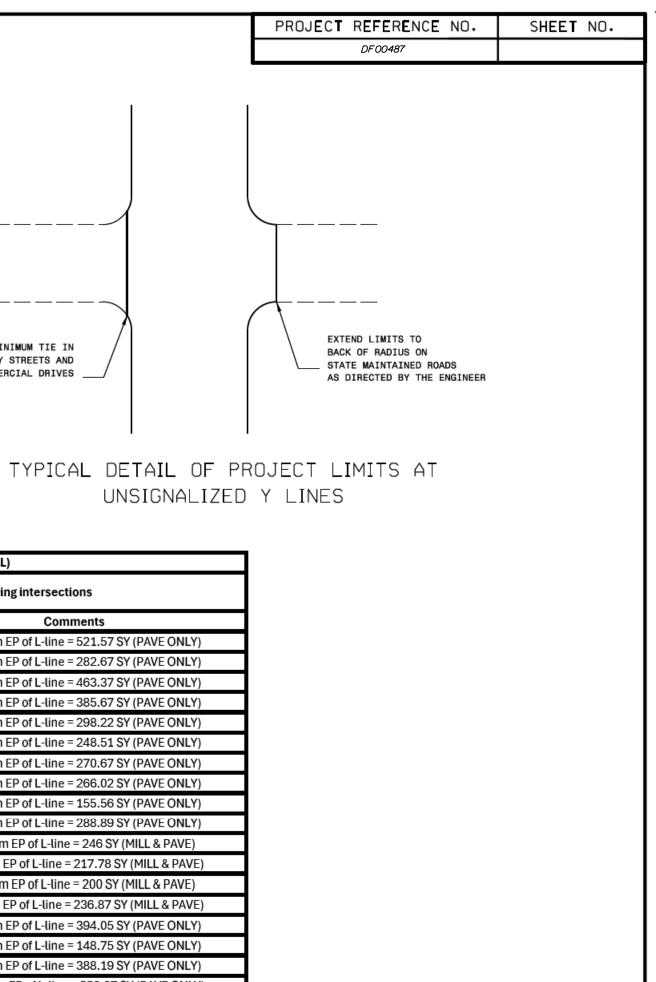
FOR SURFACE MIXES OVER 1" IN THICKNESS MILL THE EXISTING PAVEMENT IN ACCORDANCE WITH THE FOLLOWING SKETCH AS DIRECTED BY THE ENGINEER. LOCATIONS SHALL INCLUDE TIES INTO EXISTING CONCRETE PAVEMENT, AT BRIDGE APPROACHES WHERE THE BRIDGE WILL NOT BE RESURFACED, AND AT THE BEGINNING AND ENDING POINT OF EACH RESURFACING MAP. PERFORM THE WORK IN ACCORDANCE WITH SECTION 607 OF THE JANUARY 2024 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. RESURFACING WILL BE ACCOMPLISHED AT THE SAME TIME AS THE MILLING OPERATION.

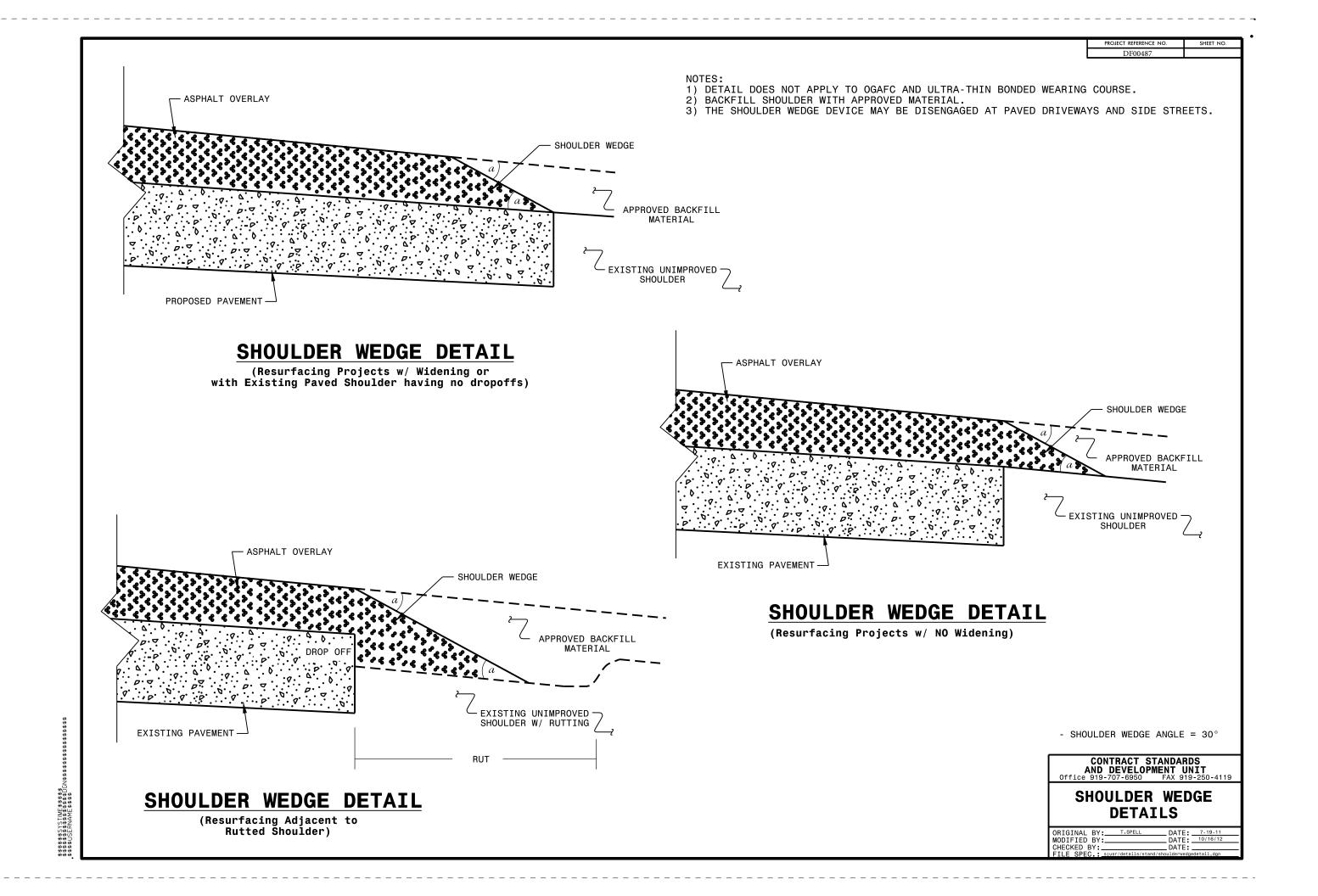


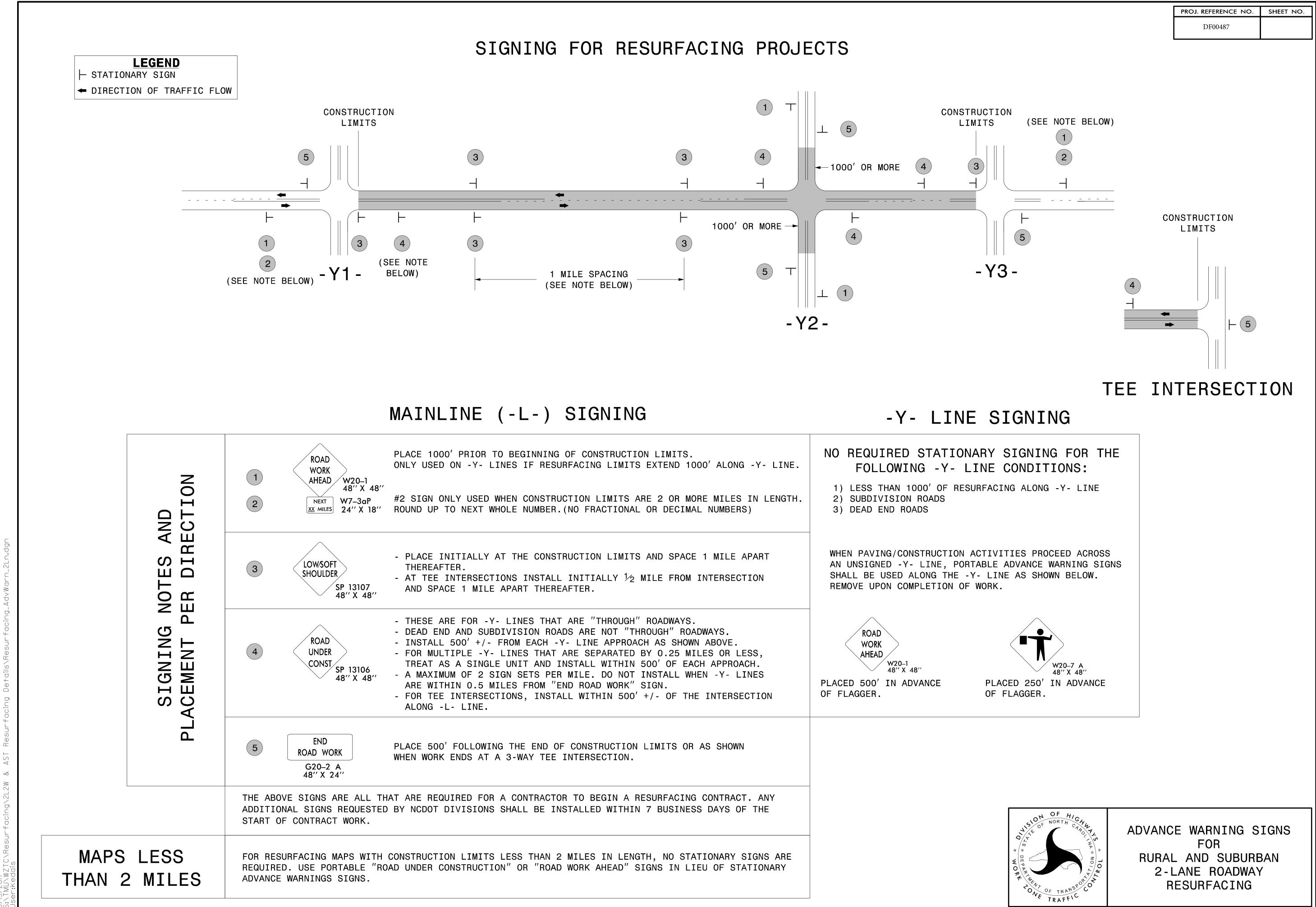


TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES

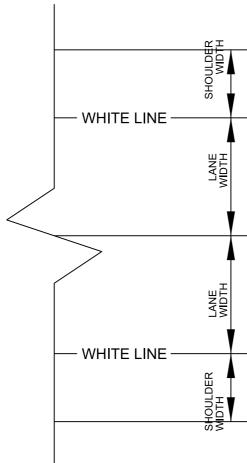
	ADDITIONAL INTERSECTIONS (NON-TYPICAL)									
	Extend paving limits to back of radius or loop on the following intersections									
Map #	Street Name	Comments								
1	SR1534	83 FT from EP of L-line = 521.57 SY (PAVE ONLY)								
1	SR1552	53 FT from EP of L-line = 282.67 SY (PAVE ONLY)								
1	SR1547	82 FT from EP of L-line = 463.37 SY (PAVE ONLY)								
2	SR1585 RT-L-	65 FT from EP of L-line = 385.67 SY (PAVE ONLY)								
2	SR1585 LT-L-	61 FT from EP of L-line = 298.22 SY (PAVE ONLY)								
2	SR1547	53 FT from EP of L-line = 248.51 SY (PAVE ONLY)								
2	SR1555	87 FT from EP of L-line = 270.67 SY (PAVE ONLY)								
2	SR1556	65 FT from EP of L-line = 266.02 SY (PAVE ONLY)								
3	SR1575	50 FT from EP of L-line = 155.56 SY (PAVE ONLY)								
3	SR1510	60 FT from EP of L-line = 288.89 SY (PAVE ONLY)								
4	SR1513	54 FT from EP of L-line = 246 SY (MILL & PAVE)								
4	SR1514	50 FT from EP of L-line = 217.78 SY (MILL & PAVE)								
4	NC242 RT-L-	50 FT from EP of L-line = 200 SY (MILL & PAVE)								
4	NC242 LT-L-	57 FT from EP of L-line = 236.87 SY (MILL & PAVE)								
5	SR1526	75 FT from EP of L-line = 394.05 SY (PAVE ONLY)								
5	SR1577	45 FT from EP of L-line = 148.75 SY (PAVE ONLY)								
5	\$R1523	86 FT from EP of L-line = 388.19 SY (PAVE ONLY)								
5	SR1003	100 FT from EP of L-line = 553.97 SY (PAVE ONLY)								







ACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. LY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	NO REQUIRED STATI FOLLOWING -Y-
SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. UND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)	1) LESS THAN 1000' OF F 2) SUBDIVISION ROADS 3) DEAD END ROADS
PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. THEREAFTER. AT TEE INTERSECTIONS INSTALL INITIALLY $\frac{1}{2}$ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	WHEN PAVING/CONSTRUCTIO AN UNSIGNED -Y- LINE, F SHALL BE USED ALONG THE REMOVE UPON COMPLETION
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.	ROAD WORK AHEAD W20-1 48'' X 48'' PLACED 500' IN ADVANCE OF FLAGGER.
ACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN EN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE	
STRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY	



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 pavemen	nt width	·								

TWO LANE - TWO WAY ROADWAY 5 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	* May vary due to pavement width									

SCHEMATIC OF ROADWAY (NOT TO SCALE)

| WHITE LINE |
|------------|------------|------------|------------|------------|
| | CL OF I | ROADWAY | | MIDTH |
| | | | | ROADWAY |
| WHITE LINE |
| | | | | |

PROJECT REFERENCE NO.	SHEET NO.
DF00487	

SUMMARY OF QUANTITIES

											•											
	-	1	1			I		-			I		122000000-E		126000000-E	12970	00000-E		149100000-E			
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	ΤΥΡ ΝΟ	LANES LANE	FINAL	WARM MI	X LENGTH	WIDTH	BEGIN MP	END MP	INCIDENTAL	SHOULDER	AGGREGATE	2 1/2"	11/2"	INCIDENTAL	BASE COURSE,	INTERMEDIATE	SURFACE	ASPHALT
						TYPE	SURFACE	ASPHALT	ſ				STONE BASE	RECONSTRUCTI	SHOULDER	MILLING	MILLING	MILLING	B25.0C	COURSE,	COURSE, S9.5B	BINDER FOR
							TESTING	REQUIRED	D					ON	BORROW					119.0C		PLANT MIX
							REQUIRED	- -														
									MI	FT			TONS	SMI	TON	SY	SY	SY	TONS	TONS	TONS	TONS
2025CPT.06.02.20241.1	Columbus	1	SR-1005 / PEACOCK RD	FROM SR 1572 TO SR 1546	1	2	NO	NO	3.777	22	20.073	23.85		7.60	1,133	504		185	2,155	75	4,665	404
	TAL FOR MAP N				_	_			3.777					7.60	1.133	504		185	2,155	75	4,665	404
2025CPT.06.02.20241.1	Columbus		SR-1552 / SMYRNA RD	FROM SR 1585 TO SR 1005	2	2	NO	NO	3.05	22	2.33	5.38	5	6.10	915			180	1.770		3.844	329
	TAL FOR MAP N		011 10027 01111110110		-	_			3.05		2.00	0.00	5	6.10	915			180	1,770		3,844	329
2025CPT.06.02.20241.1	Columbus		SR-1574 / OLD 74-B	FROM SR 1506 TO SR 1513	3	2	NO	NO	3.413	22	0.35	3.763	5	6.82	921	836		155	2.017	120	4.190	369
	TAL FOR MAP N					_			3.413		0.00	0.700	5	6.82	921	836		155	2.017	120	4,190	369
2025CPT.06.02.20241.1	Columbus	10.0	SR-1574 / OLD 74-C	FROM BEGIN C&G TO END C&G	1	2	NO	NO	0.397	40	3.763	4.16	Ŭ	0.02	521	000	9,320	1,222	2,017	120	886	58
	TAL FOR MAP N		011 10747 010 74 0	THOIT BEOIN OUG TO END OUG	-	2	NO	NO	0.397	40	0.700	4.10					9,320	1,222			886	58
10		10.4							0.397								9,320	1,222			000	50
	Ostantas	_			-		NO	NO	0.04		1.10	<u> </u>	-	4.40	070	405		1 4 0	4 050		0.000	
2025CPT.06.02.20241.1	Columbus		SK-15/4/OLD/4-D	FROM END OF C&G TO SR 1588/1589	5	2	NO	NO	2.24	22	4.16	6.4	5	4.48	672	185		148	1,350	28	2,802	244
TO	TAL FOR MAP N	NO. 5							2.24				5	4.48	672	185		148	1,350	28	2,802	244
TOTAL FOR PRO) NO. 2025CF	PT.06.02.2	20241.1						12.877				15	25.00	3,641	1,525	9,320	1,890	7,292	223	16,387	1,404
10 //21 0/11 //																10	,845					
	GRAND TOTA								12.877				15	25.00	3,641	1,525	9,320	1,890	7,292	223	16,387	1,404
	GRAND IUTA	-														10	,845					

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.06.02.20241.1		

THERMOPLASTIC AND PAINT QUANTITIES

												441300000-Е	4457000000-N	468500	0000-E	468800	0000-Е	470900000-Е	490000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO		LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GE NERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	24" X 90 M WHITE THERMO	YELLOW & YELLOW MARKERS
								MI	FT			SF	LS	LF	LF	LF	LF	LF	EA
2025CPT.06.02.20241.1	Columbus	1	SR-1005 / PEACOCK RD	FROM SR 1572 TO SR 1546	1	2		3.777	22	20.073	23.85	219	0.29	18,386	40,352				257
TO	TAL FOR MA	P NO. 1						3.777				219	0.29	18,386	40,352				257
2025CPT.06.02.20241.1	Columbus	2	SR-1552 / SMYRNA RD	FROM SR 1585 TO SR 1005	2	2		3.05	22	2.33	5.38	259	0.23	19,234	32,875			83	213
TO	TAL FOR MA	P NO. 2						3.05				259	0.23	19,234	32,875			83	213
2025CPT.06.02.20241.1	Columbus	3	SR-1574 / OLD 74-B	FROM SR 1506 TO SR 1513	3	2		3.413	22	0.35	3.763	176	0.26	3,467	12,832	14,140	23,240		232
TO	TAL FOR MA	P NO. 3						3.413				176	0.26	3,467	12,832	14,140	23,240		232
2025CPT.06.02.20241.1	Columbus	4	SR-1574 / OLD 74-C	FROM BEGIN C&G TO END C&G	4	2		0.397	40	3.763	4.16	32	0.04	209	268	4,100			31
TO	TAL FOR MA	P NO. 4						0.397				32	0.04	209	268	4,100			31
2025CPT.06.02.20241.1	Columbus	5	SR-1574 / OLD 74-D	FROM END OF C&G TO SR 1588/1589	5	2		2.24	22	4.16	6.4	139	0.18	223	429	14,800	23,550		155
TO	TAL FOR MA	P NO. 5						2.24				139	0.180	223	429	14,800	23,550		155
TOTAL FOR PRO	NO 2025	CPT 06 02	20241 1					12.877				825	1.000	41,519	86,756	33,040	46,790	83	888
		01 1.00.02												128	,275	79,	830		
					1	1	1	12.877		[1	825	1.000	41 510	86,756	33,040	46,790	83	888
	GRAND TO	TAL						12.077				625	1.000	41,519 128			46,790 830	03	000

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.06.02.20241.1		