

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 6

**PLANS**

**Letting Date: October 1, 2025**

**REVISED 9-23-2025**

**CONTRACT ID: DF00530**

**TIP NO.: -----**

**FEDERAL AID NO.: STATE FUNDED**

**WBS ELEMENT NO.: 2026CPT.06.04.20241.1**

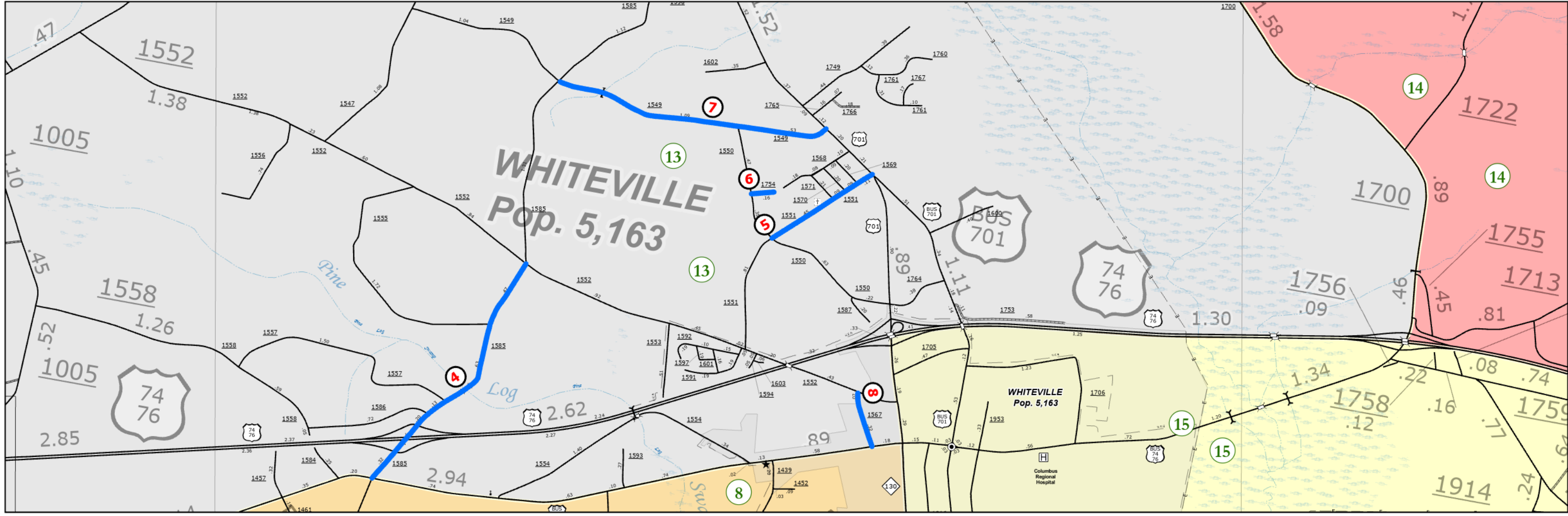
**ROUTE NO.: VARIOUS SR**

**LOCATION: VARIOUS**

**COUNTY: COLUMBUS**

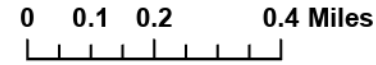
**LENGTH OF PROJECT: 8.472 MILES**

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



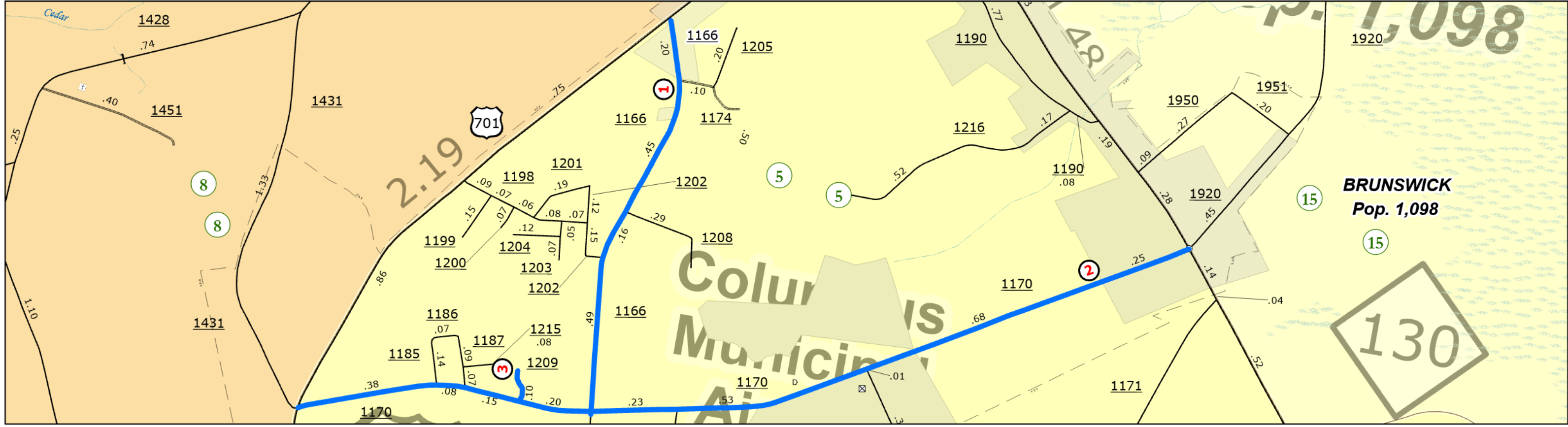
# Columbus County Resurfacing

Contract: DF00530



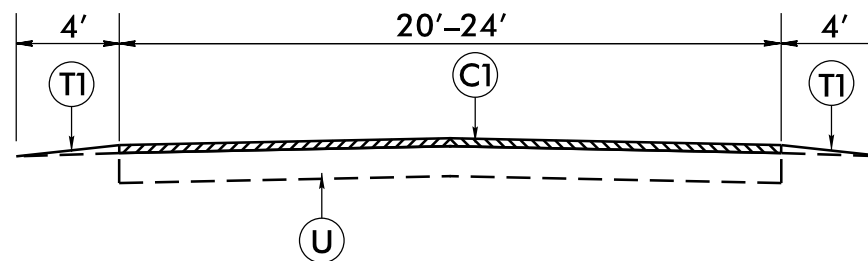
## Legend

2026CPT.06.04.20241.1

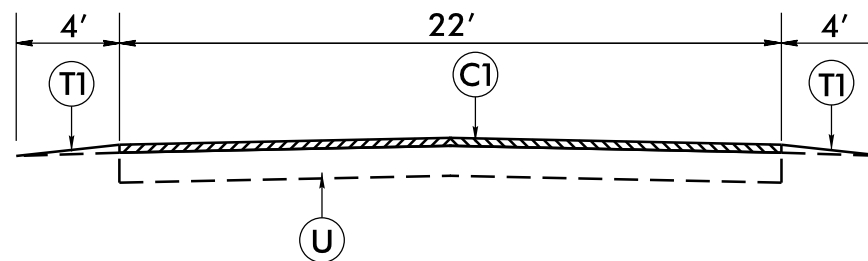


## PAVEMENT SCHEDULE

C1	1½" 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.
D2	4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	0" - 1½" MILLING
V2	1½" MILLING
V3	2½" MILLING
V4	4" MILLING



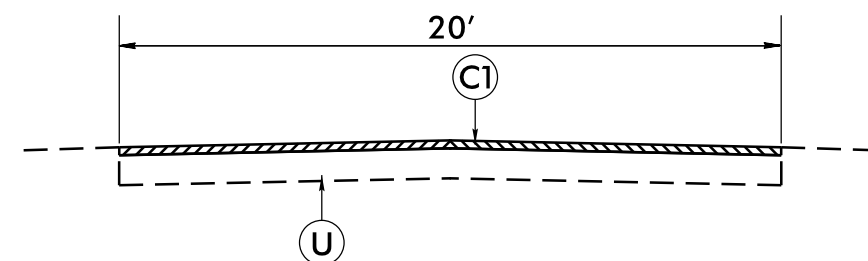
**TYPICAL SECTION NO. 1**



**TYPICAL SECTION NO. 2**

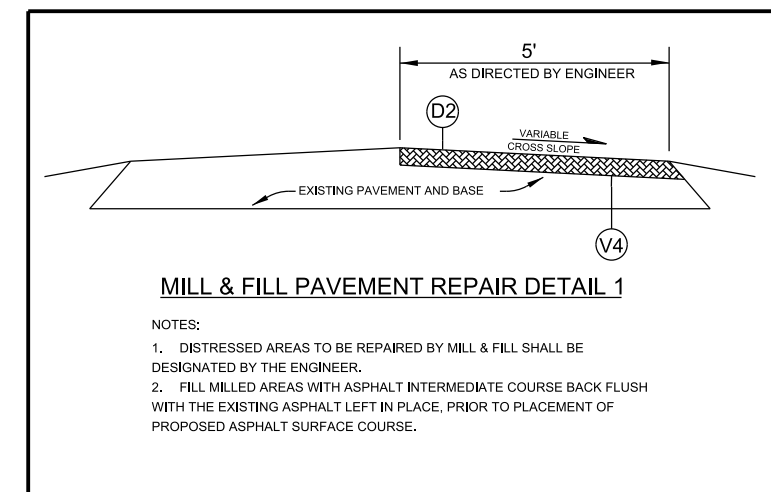
-PLUS 2' INSIDE CURVE WIDENING  
(SEE DETAIL)

-PLUS 4" MILL AND FILL  
WITH I19.0C 5' WIDE  
(SEE DETAIL 1)



**TYPICAL SECTION NO. 3**

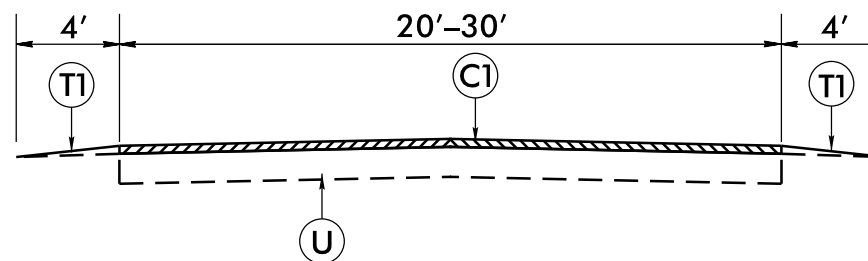
-PLUS LEVELING COURSE (S9.5B)  
AS DIRECTED BY ENGINEER



22-AUG-2025 16:06 C:\Users\Engineer\Documents\Resurfacing\DF00530\_2026CPT\06\_04\_2024\1.L.Fall 2025.Columbus\Plans\typ2.dgn  
 6/2/99

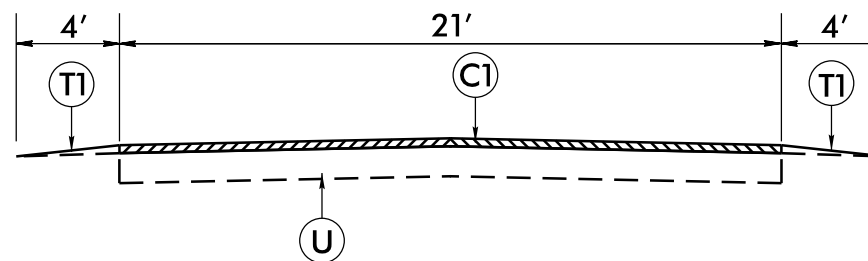
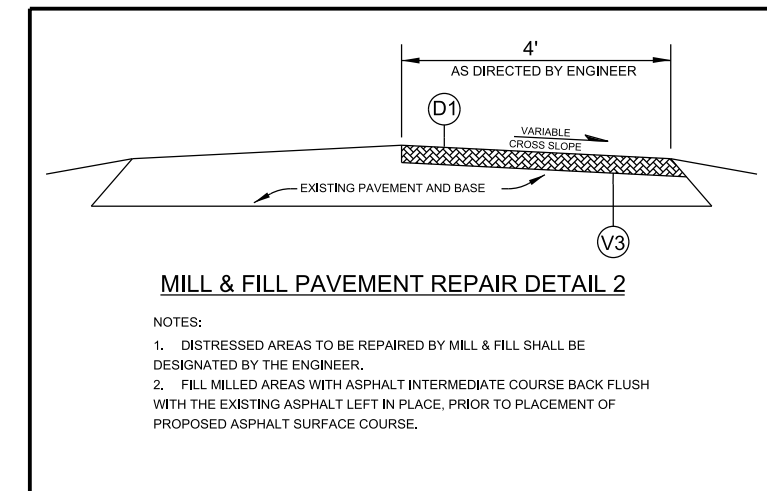
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U	EXISTING PAVEMENT
V1	0" - 1½" MILLING
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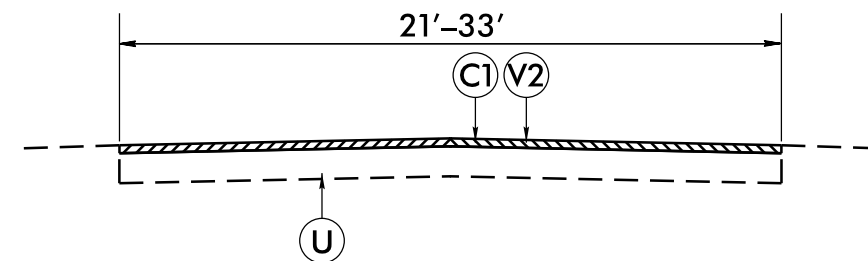
TYPICAL SECTION NO. 4

- PLUS 1½" MILLING FROM NC 130 TO 900' NORTH OF BRIDGE AS DIRECTED BY ENGINEER
- PLUS 2' INSIDE CURVE WIDENING (SEE DETAIL)
- PLUS 2½" MILL AND FILL WITH I19.0C 4' WIDE (SEE DETAIL 2)



TYPICAL SECTION NO. 5

- PLUS 2' INSIDE CURVE WIDENING (SEE DETAIL)
- PLUS LEVELING COURSE (S9.5B) AS DIRECTED BY ENGINEER

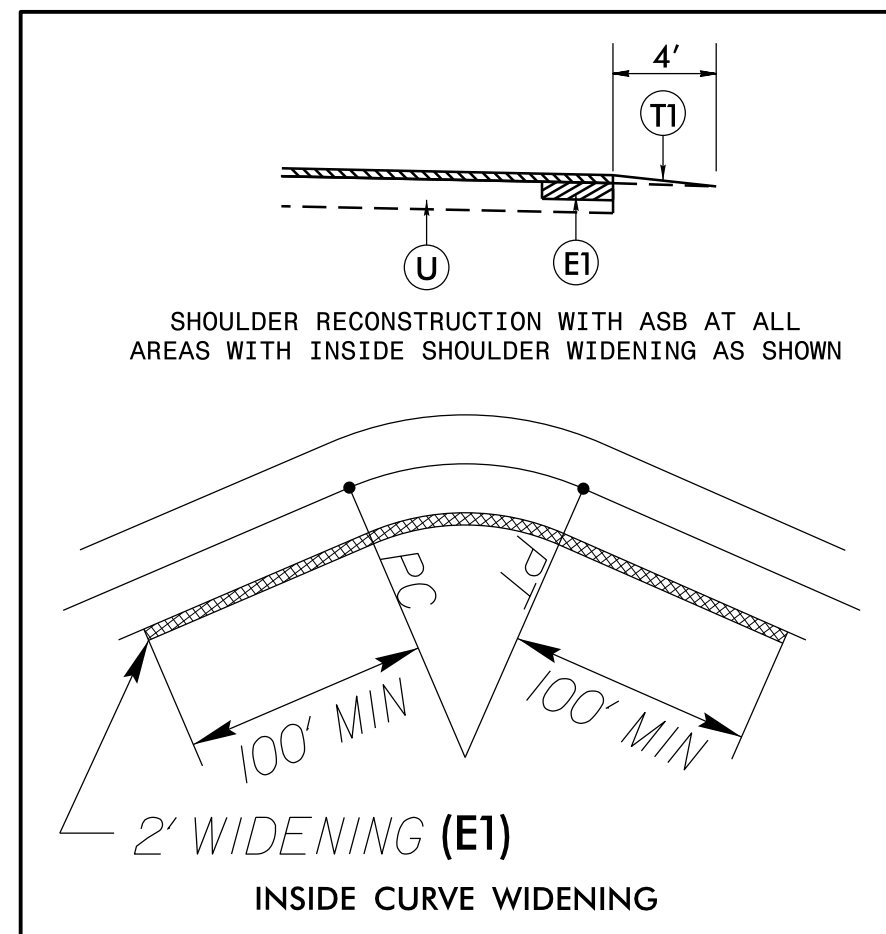
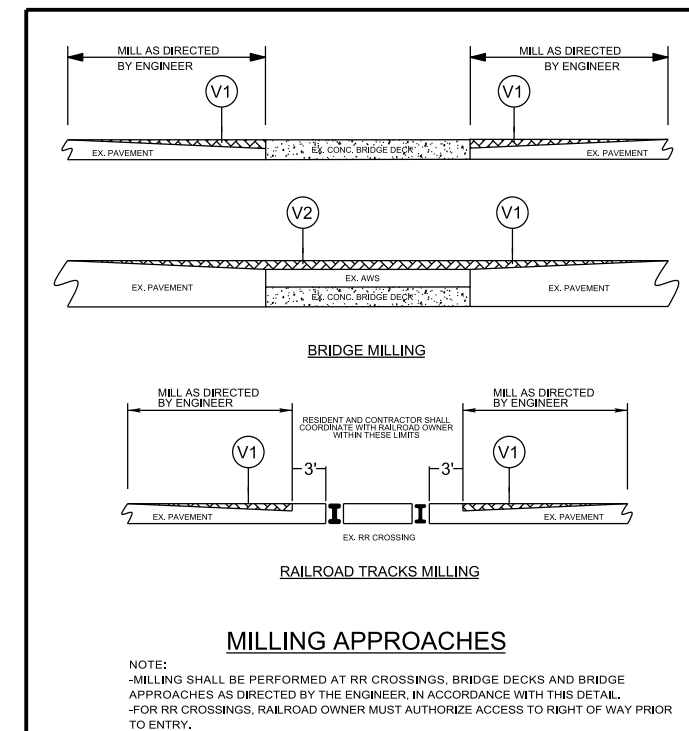
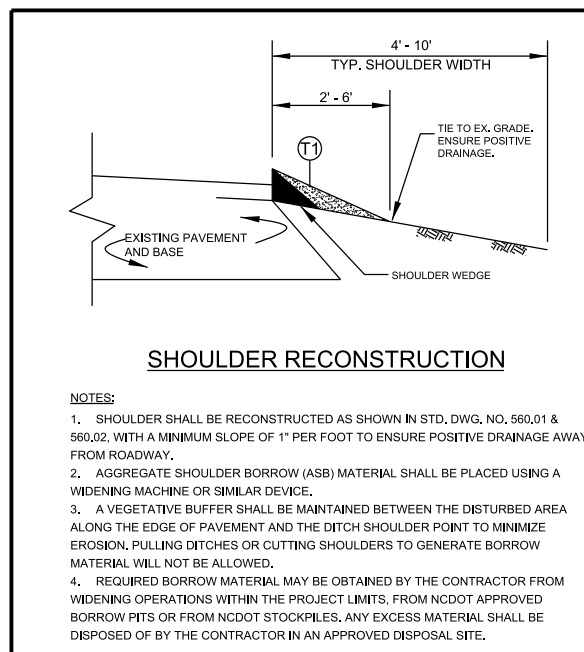


TYPICAL SECTION NO. 6

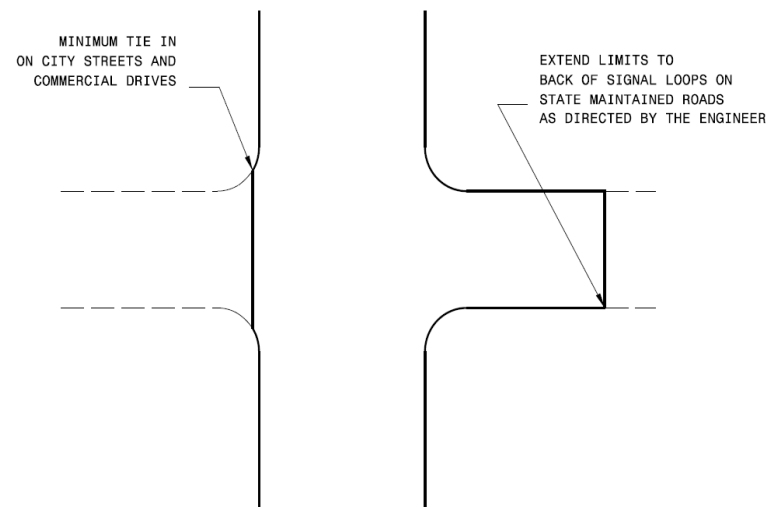
6/2/99  
05 SEP 2025 11:09  
C:\Users\Engineer\Documents\DF00530\_2026CPT\06\_04\_2024\1.1.Fall 2025\Columbus\Plans\tpc2.dgn

# PAVEMENT SCHEDULE

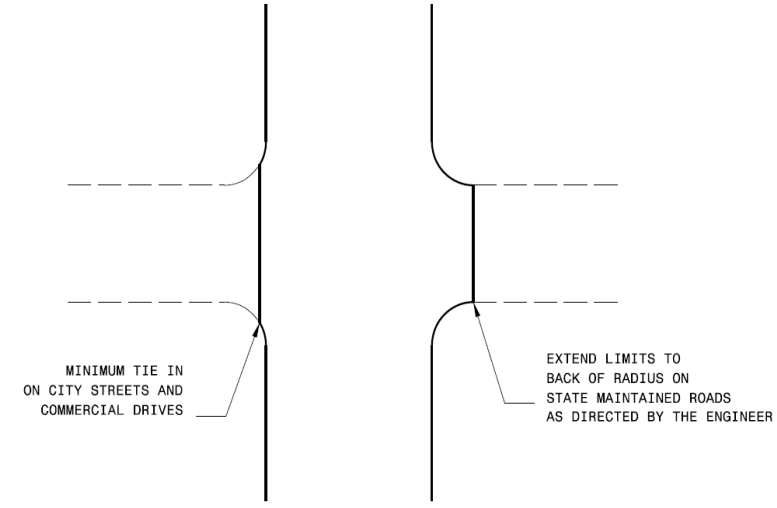
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T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	0" - 1½" MILLING
V2	1½" MILLING
V3	2½" MILLING
V4	4" MILLING



PROJECT REFERENCE NO.	SHEET NO.
DF00530	



TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES

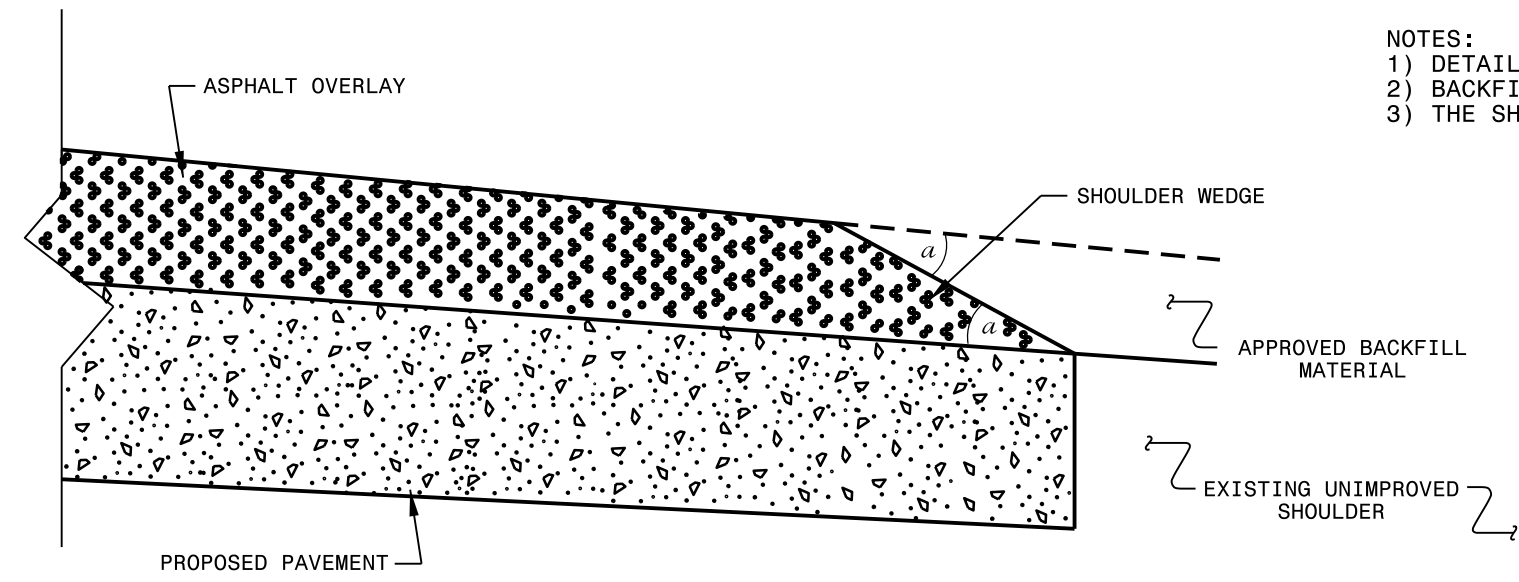


TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

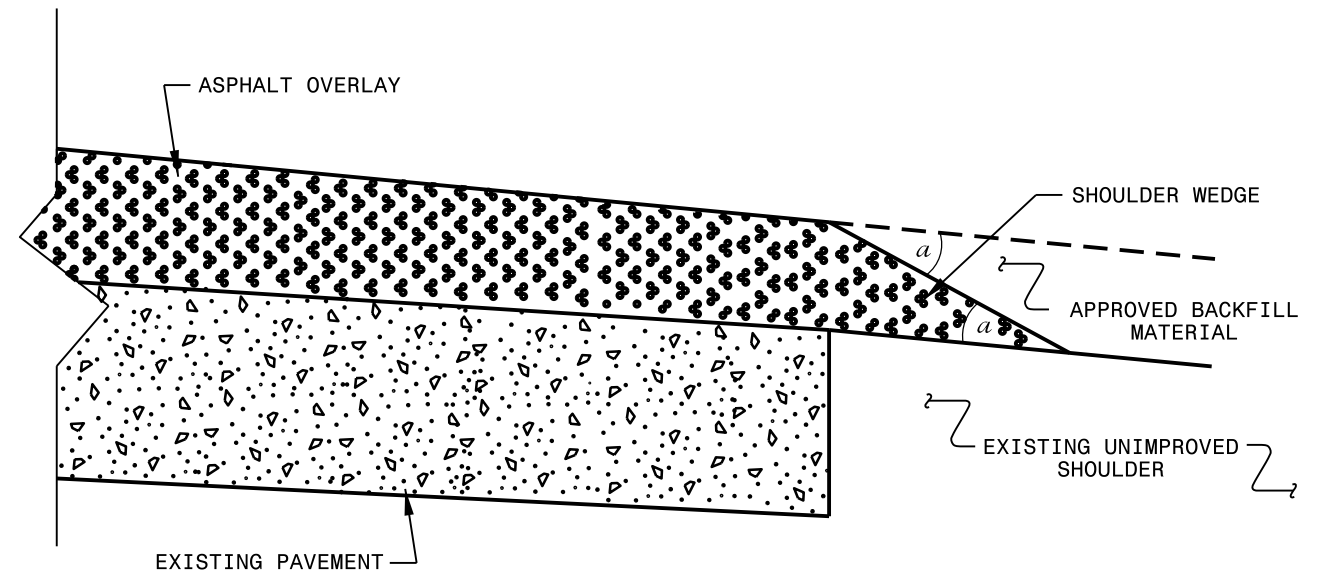
ADDITIONAL INTERSECTIONS (NON-TYPICAL)				
Extend paving limits to back of radius or loop on the following intersections				
Map #	Street Name	Comments	Total	Unit
1	SR1170 RT	79 FT FROM EOP OF L-LINE (PAVE ONLY)	522.6	SY
1	SR1170 LT	76 FT FROM EOP OF L-LINE (PAVE ONLY)	360.6	SY
1	SR1202	24 FT FROM EOP OF L-LINE (PAVE ONLY)	95.2	SY
1	SR1208	42 FT FROM EOP OF L-LINE (PAVE ONLY)	187.9	SY
2	SR1181	58 FT FROM EOP OF L-LINE (PAVE ONLY)	225.4	SY
2	SR1188	25 FT FROM EOP OF L-LINE (PAVE ONLY)	81.9	SY
2	SR1209	35 FT FROM EOP OF L-LINE (PAVE ONLY)	97.8	SY
2	SR1187	33 FT FROM EOP OF L-LINE (PAVE ONLY)	125.4	SY
2	SR1185	42 FT FROM EOP OF L-LINE (PAVE ONLY)	167.1	SY
4	SR1557	56 FT FROM EOP OF L-LINE (PAVE ONLY)	313.4	SY
4	SR1555	53 FT FROM EOP OF L-LINE (PAVE ONLY)	257.4	SY
4	SR1586	58 FT FROM EOP OF L-LINE (PAVE ONLY)	421.1	SY
5	SR1517	43 FT FROM EOP OF L-LINE (PAVE ONLY)	157.4	SY
7	SR1550	60 FT FROM EOP OF L-LINE (PAVE ONLY)	266.7	SY

**NOTE:** Quantities are for estimate purpose only. **ACTUAL FIELD QUANTITY MAY VARY**

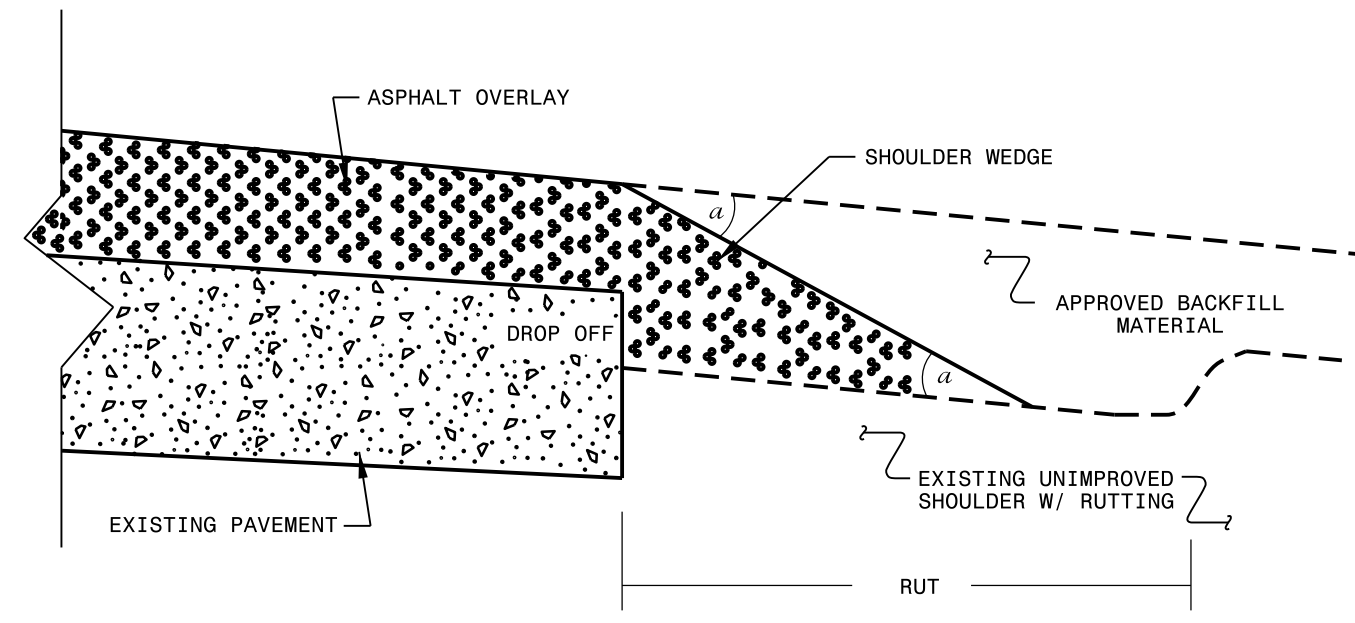
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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

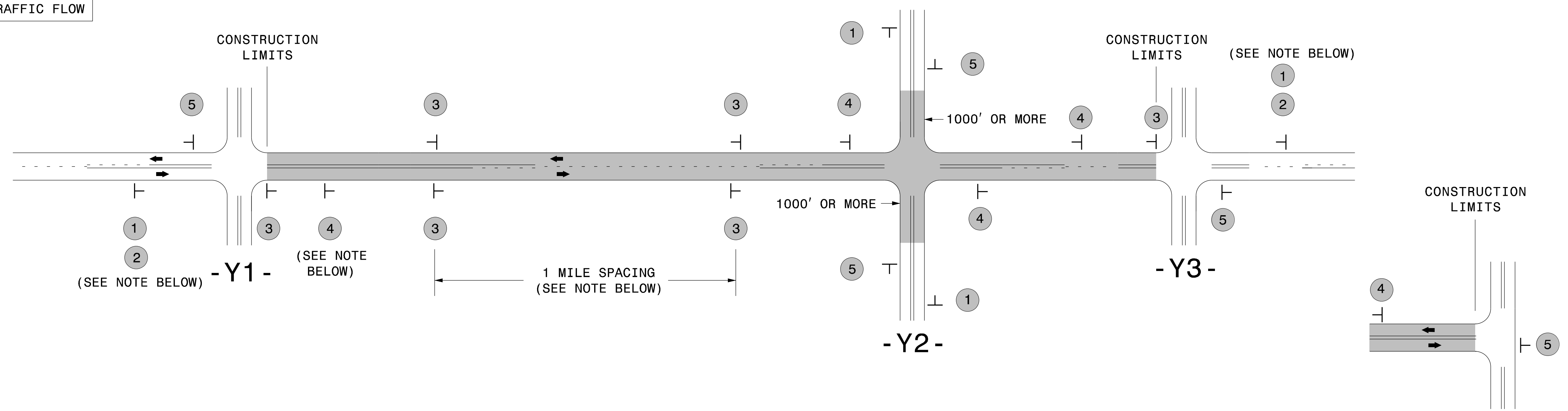
**SHOULDER WEDGE  
 DETAILS**

ORIGINAL BY: T.SPELL DATE: 7-19-11  
 MODIFIED BY: DATE: 10/16/12  
 CHECKED BY: DATE:  
 FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn

SYSTEMS DESIGN  
 USER NAME

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**  
 ┆ STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

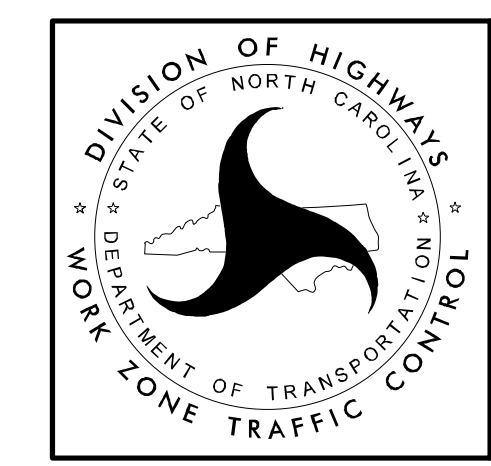
## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol> <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">             PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	2		#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)	
	3		- 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.	
	4		- 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.	
	5		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.

### 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.



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.

<b>TWO LANE - TWO WAY ROADWAY - 55 MPH</b>		
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'

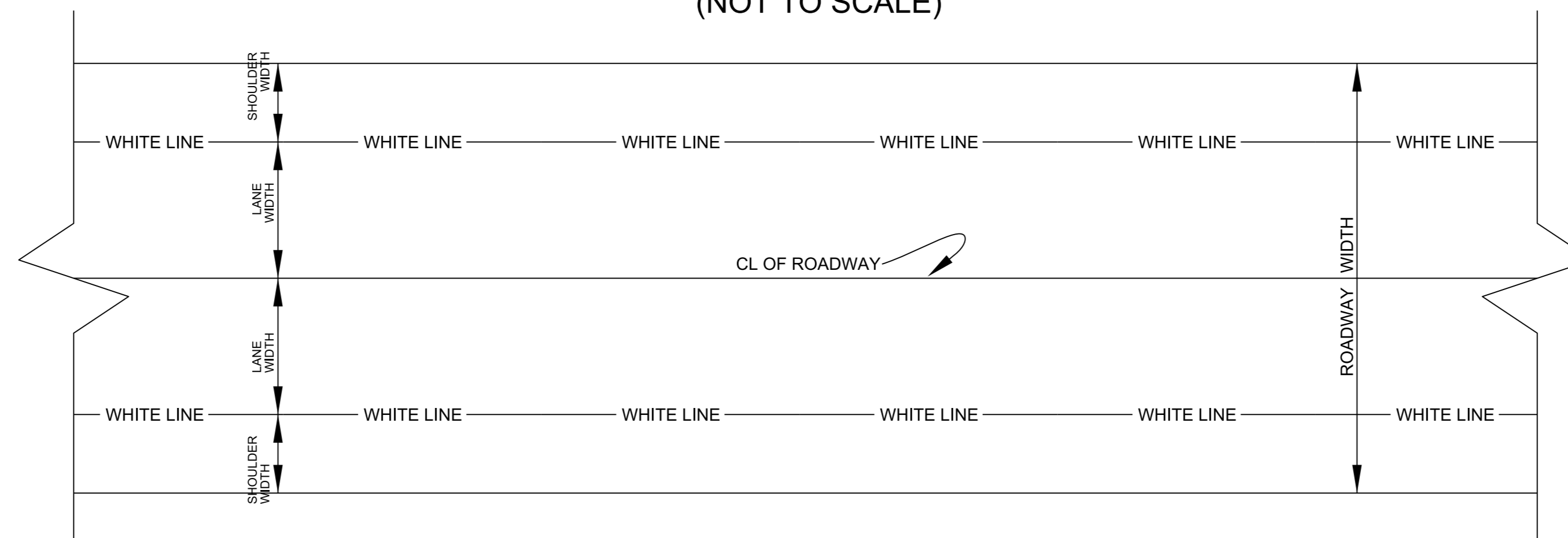
\* May vary due to pavement width

<b>TWO LANE - TWO WAY ROADWAY</b>		<b>50</b>
<b>MPH OR LESS</b>		
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.
2026CPT.06.04.20241.1		

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4685000000-E		4688000000-E	4695000000-E	4725000000-E		4810000000-E		4845000000-N		4900000000-N	
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M YELLOW THERMO	THERMO RT ARROW 90 M	THERMO LT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	PAINT LT ARROW	PAINT RT ARROW	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS
												SF	LS	LF	LF	LF	LF	EA	EA	LF	LF	EA	EA	EA	EA
2026CPT.06.04.20241.1	Columbus	1	SR-1166 / PLEASANT PLAINS CH RD		1	2	2WU	1.287	24	4.348	5.635	80	0.15	12,300	13,990									90	
2026CPT.06.04.20241.1	Columbus	2	SR-1170 / PRISON CAMP RD	FROM US701 TO NC 130	2	2	2WU	2.5	22	0	2.5	144	0.29	15,890	13,400									167	
2026CPT.06.04.20241.1	Columbus	3	SR-1209 / PINECROFT DR	FROM SR1170 TO DEAD END	3	2	2WU	0.1	20	0	0.1		0.01												
2026CPT.06.04.20241.1	Columbus	4	SR-1585 / UNION VALLEY RD	FROM US74 TO MP.517	4	2	2WU	1.735	25	0.035	1.77	144	0.22	14,790	19,210					500				123	14
2026CPT.06.04.20241.1	Columbus	5	SR-1551 / BROWN MAULTSBY RD	FROM US 701 TO SR 1549	1	2	2WU	0.73	20	0	0.73		0.07	4,310	7,720									50	
2026CPT.06.04.20241.1	Columbus	6	SR-1754 / MILLER SUBDIVISION RD	FROM SR1550 TO DEAD END	1	2	2WU	0.13	23	0	0.13		0.01												
2026CPT.06.04.20241.1	Columbus	7	SR-1549 / GOLF COURSE RD	FROM SR1585 TO US701	5	2	2WU	1.61	21	1.05	2.66	144	0.19	13,500	17,165	80								110	
2026CPT.06.04.20241.1	Columbus	8	SR-1567 / BARBCREST AVE	FROM US 74 BUS TO SR1552	6	2	2WU	0.38	33	0	0.38	80	0.06	4,540	2,473		65	3	3	50	1,100	3	3	41	3
<b>TOTAL FOR PROJ NO. 2026CPT.06.04.20241.1</b>								<b>8.472</b>				<b>592</b>	<b>1.000</b>	<b>65,330</b>	<b>73,958</b>	<b>80</b>	<b>65</b>	<b>3</b>	<b>3</b>	<b>550</b>	<b>1,100</b>	<b>3</b>	<b>3</b>	<b>581</b>	<b>17</b>
														<b>139,288</b>				<b>6</b>		<b>1,650</b>		<b>6</b>		<b>598</b>	
<b>GRAND TOTAL</b>								<b>8.472</b>				<b>592</b>	<b>1.000</b>	<b>65,330</b>	<b>73,958</b>	<b>80</b>	<b>65</b>	<b>3</b>	<b>3</b>	<b>550</b>	<b>1,100</b>	<b>3</b>	<b>3</b>	<b>581</b>	<b>17</b>
														<b>139,288</b>				<b>6</b>		<b>1,650</b>		<b>6</b>		<b>598</b>	