

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 6

PLANS

Letting Date: March 4, 2026

REVISED 2-20-2026

CONTRACT ID: DF00546

TIP NO.: -----

FEDERAL AID NO.: STATE FUNDED

WBS ELEMENT NO.: 2026CPT.06.13.10241.1 & 2026CPT.06.13.20241.1

ROUTE NO.: VARIOUS

LOCATION: VARIOUS

COUNTY: COLUMBUS

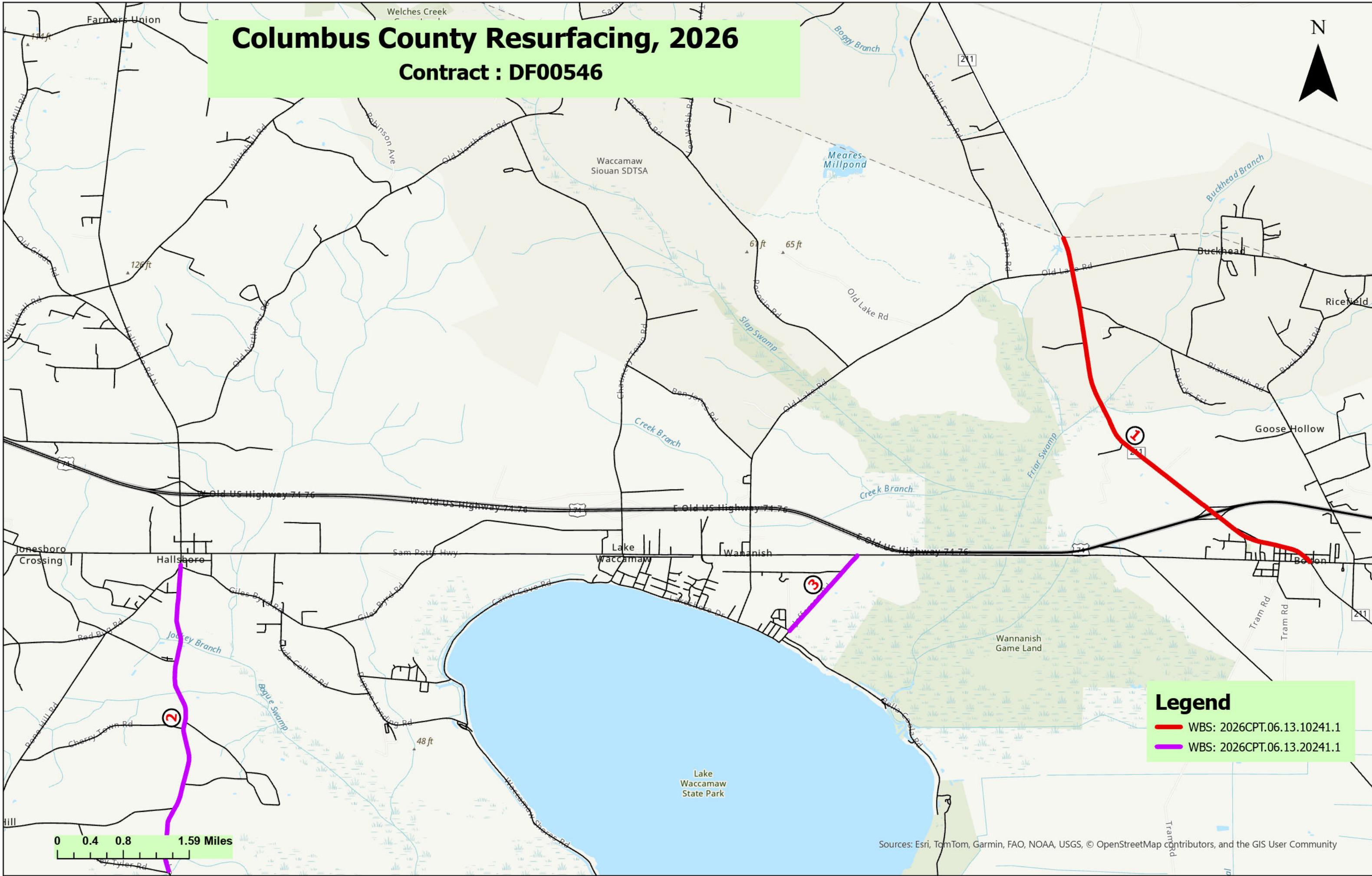
LENGTH OF PROJECT: 9.747 MILES

TYPE OF WORK: MILLING, RESURFACING, & SHOULDER RECONSTRUCTION

Columbus County Resurfacing, 2026

Contract : DF00546

N

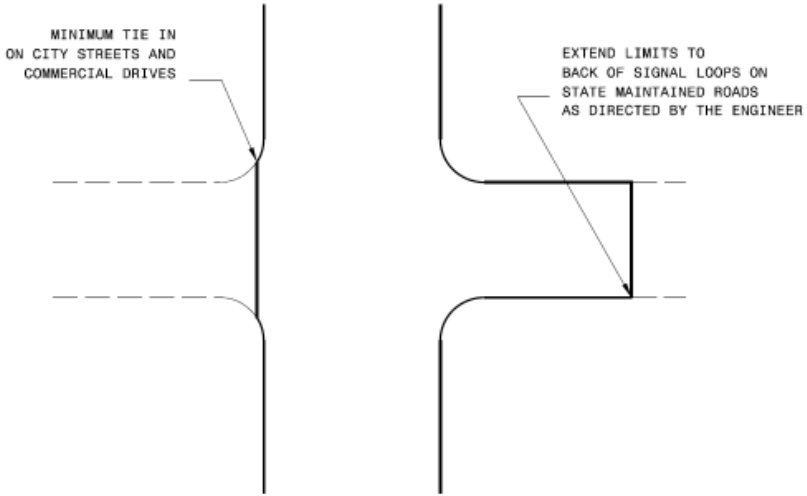


Legend

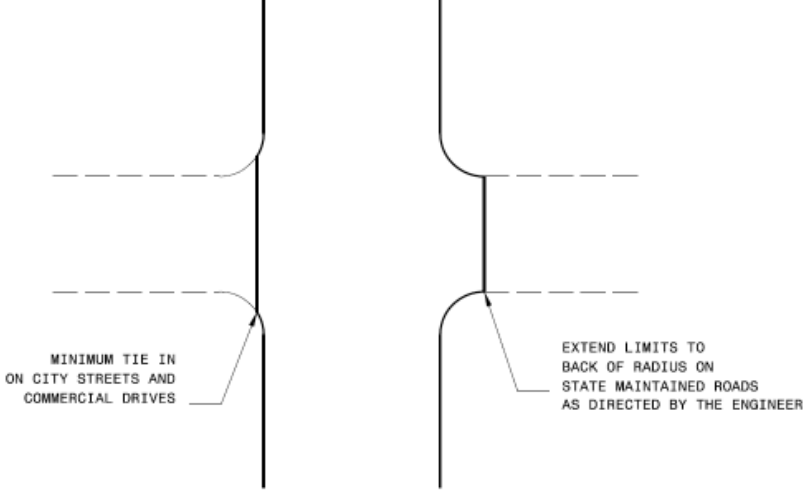
- WBS: 2026CPT.06.13.10241.1
- WBS: 2026CPT.06.13.20241.1

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

PROJECT REFERENCE NO.	SHEET NO.
DF00546	1



TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

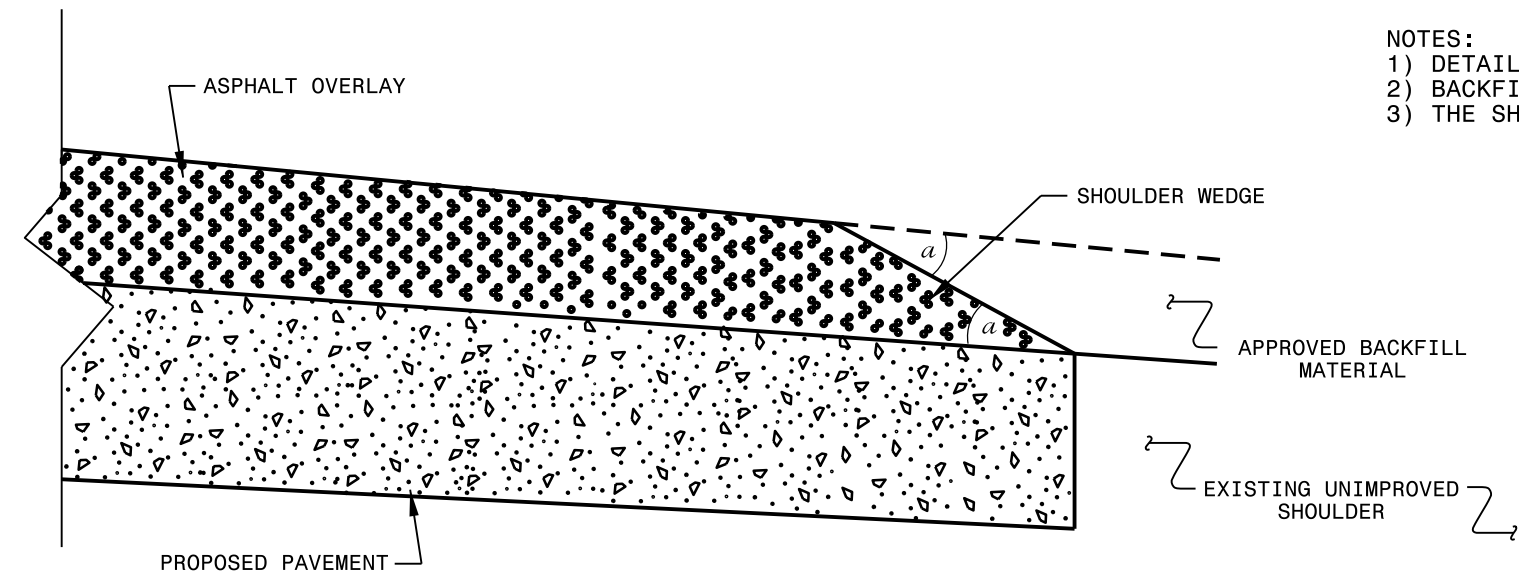
ADDITIONAL INTERSECTIONS (NON-TYPICAL)				
Extend paving limits to back of radius or loop on the following intersections				
Map #	Street Name	Comments	Total	Unit
1	SR1800	80 FT FROM EOP OF L-LINE (MILL & PAVE)	396.11	SY
1	SR1740 RT	90 FT FROM EOP OF L-LINE (MILL & PAVE)	420.56	SY
1	SR1740 LT	100 FT FROM EOP OF L-LINE (MILL & PAVE)	477.78	SY
2	SR1907	30 FT FROM EOP OF L-LINE (MILL & PAVE)	132.78	SY
2	SR1736	60 FT FROM EOP OF L-LINE (MILL & PAVE)	262.78	SY
2	SR1904	50 FT FROM EOP OF L-LINE (MILL & PAVE)	233.33	SY
2	SR1908	50 FT FROM EOP OF L-LINE (MILL & PAVE)	275.56	SY
2	SR1910	80 FT FROM EOP OF L-LINE (MILL & PAVE)	481.11	SY
2	SR1908 LT	30 FT FROM EOP OF L-LINE (MILL & PAVE)	123.33	SY
2	SR1914	30 FT FROM EOP OF L-LINE (MILL & PAVE)	135	SY
3	SR1757	58 FT FROM EOP OF L-LINE (MILL & PAVE)	284.78	SY

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

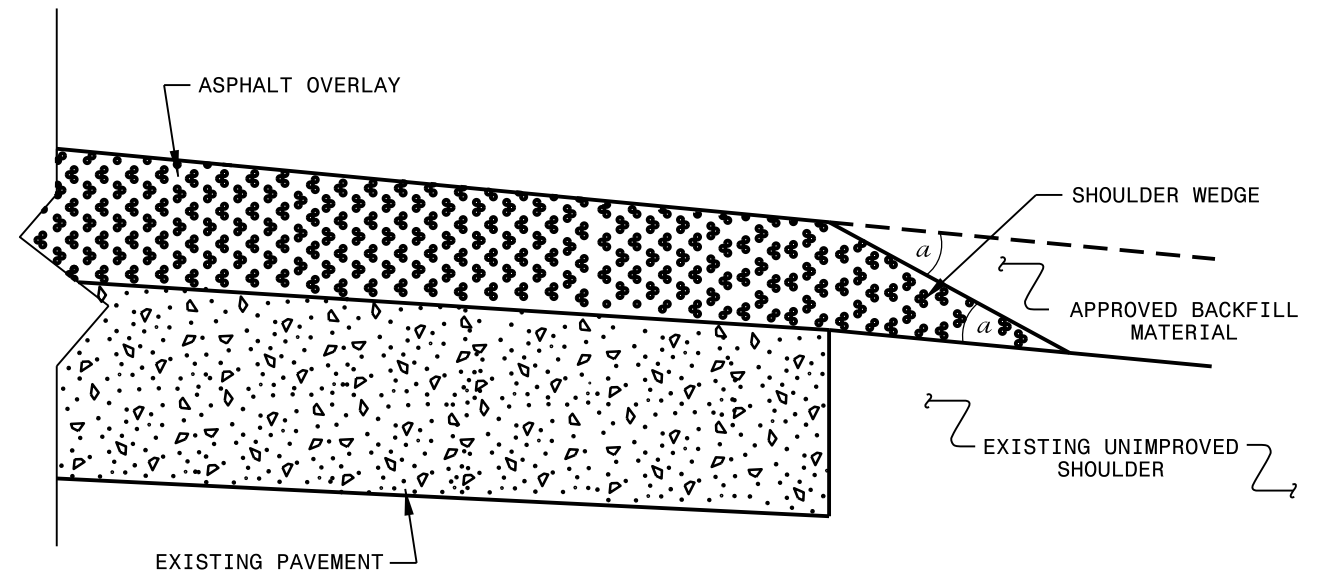
DF00546 - NC 211 estimated leveling, 2" Cut at centerline

M.P.	LEFT											RIGHT													
	EP	Prop Elev of EP of mill surface	Leveling Required (RED=NO)	Elev at EP	Slope paved shoulder	WHT Line	Elev WHT line	Cut required at WL	Deci. inches	Slope Travel lane	Prop slope	CL	Elev at CL with 2" Mill	CL Elev	Prop slope	Slope travel lane	WHT line	Deci. inches	Cut required at WL	Elev WHT line	Slope paved shoulder	EP	Elev at EP	Leveling Required (RED=NO)	Prop Elev of EP of mill surface
0+00	CURVE																								
10+00	CURVE																								
20+00	INTERSECTION																								
21+50	4.32	99.51	(0.04)	99.55	6.5%	4.06	99.81	(0.22)	-2.61	1.6%	2.0%	3.87	99.83	100	2.0%	1.6%	4.06	-2.61	(0.22)	99.81	3.8%	4.21	99.66	(0.15)	99.51
30+00	3.86	99.51	(0.08)	99.59	5.3%	3.65	99.8	(0.21)	-2.49	1.7%	2.0%	3.45	99.83	100	2.0%	2.4%	3.74	-1.41	(0.12)	99.71	6.0%	3.98	99.47	0.04	99.51
40+00	4.34	99.51	(0.05)	99.56	4.0%	4.18	99.72	(0.13)	-1.53	2.3%	2.0%	3.9	99.83	100	2.0%	2.2%	4.16	-1.77	(0.15)	99.74	5.7%	4.39	99.51	0.00	99.51
50+00	4.19	99.51	(0.20)	99.71	4.5%	4.01	99.89	(0.30)	-3.58	0.9%	2.0%	3.9	99.83	100	2.0%	1.7%	4.1	-2.49	(0.21)	99.8	4.8%	4.29	99.61	(0.10)	99.51
60+00	4.22	99.51	(0.02)	99.53	4.3%	4.05	99.7	(0.11)	-1.29	2.5%	2.0%	3.75	99.83	100	2.0%	1.1%	3.88	-3.34	(0.28)	99.87	5.0%	4.08	99.67	(0.16)	99.51
70+00	4.51	99.51	0.06	99.45	4.7%	4.32	99.64	(0.05)	-0.57	3.0%	2.0%	3.96	99.83	100	2.0%	1.8%	4.17	-2.37	(0.20)	99.79	5.3%	4.38	99.58	(0.07)	99.51
80+00	4.33	99.51	0.01	99.5	5.3%	4.12	99.71	(0.12)	-1.41	2.4%	2.0%	3.83	99.83	100	2.0%	1.2%	3.97	-3.22	(0.27)	99.86	5.2%	4.18	99.65	(0.14)	99.51
90+00	CURVE																								
100+00	CURVE																								
110+00	3.77	99.51	(0.13)	99.64	5.5%	3.55	99.86	(0.27)	-3.22	1.2%	2.0%	3.41	99.83	100	2.0%	1.8%	3.63	-2.25	(0.19)	99.78	6.0%	3.87	99.54	(0.03)	99.51
120+00	4.35	99.51	(0.14)	99.65	4.3%	4.18	99.82	(0.23)	-2.73	1.5%	2.0%	4	99.83	100	2.0%	1.4%	4.17	-2.86	(0.24)	99.83	4.8%	4.36	99.64	(0.13)	99.51
124+75	CURVE																								
136+00	CURVE																								
140+00	4.66	99.51	(0.09)	99.6	4.5%	4.48	99.78	(0.19)	-2.25	1.8%	2.0%	4.26	99.83	100	2.0%	1.5%	4.44	-2.73	(0.23)	99.82	5.5%	4.66	99.6	(0.09)	99.51
150+00	5.07	99.51	(0.07)	99.58	5.0%	4.87	99.78	(0.19)	-2.25	1.8%	2.0%	4.65	99.83	100	2.0%	2.7%	4.97	-1.05	(0.09)	99.68	4.5%	5.15	99.5	0.01	99.51
160+00	4.38	99.51	(0.07)	99.58	4.3%	4.21	99.75	(0.16)	-1.89	2.1%	2.0%	3.96	99.83	100	2.0%	1.2%	4.1	-3.22	(0.27)	99.86	4.5%	4.28	99.68	(0.17)	99.51
170+00	4.85	99.51	0.06	99.45	6.3%	4.6	99.7	(0.11)	-1.29	2.5%	2.0%	4.3	99.83	100	2.0%	0.9%	4.41	-3.58	(0.30)	99.89	5.7%	4.64	99.66	(0.15)	99.51
180+00	4.5	99.51	(0.06)	99.57	6.7%	4.23	99.84	(0.25)	-2.98	1.3%	2.0%	4.07	99.83	100	2.0%	1.5%	4.25	-2.73	(0.23)	99.82	5.0%	4.45	99.62	(0.11)	99.51
186+00	4.67	99.51	0.08	99.43	6.7%	4.4	99.7	(0.11)	-1.29	2.5%	2.0%	4.1	99.83	100	2.0%	1.3%	4.25	-3.10	(0.26)	99.85	4.8%	4.44	99.66	(0.15)	99.51

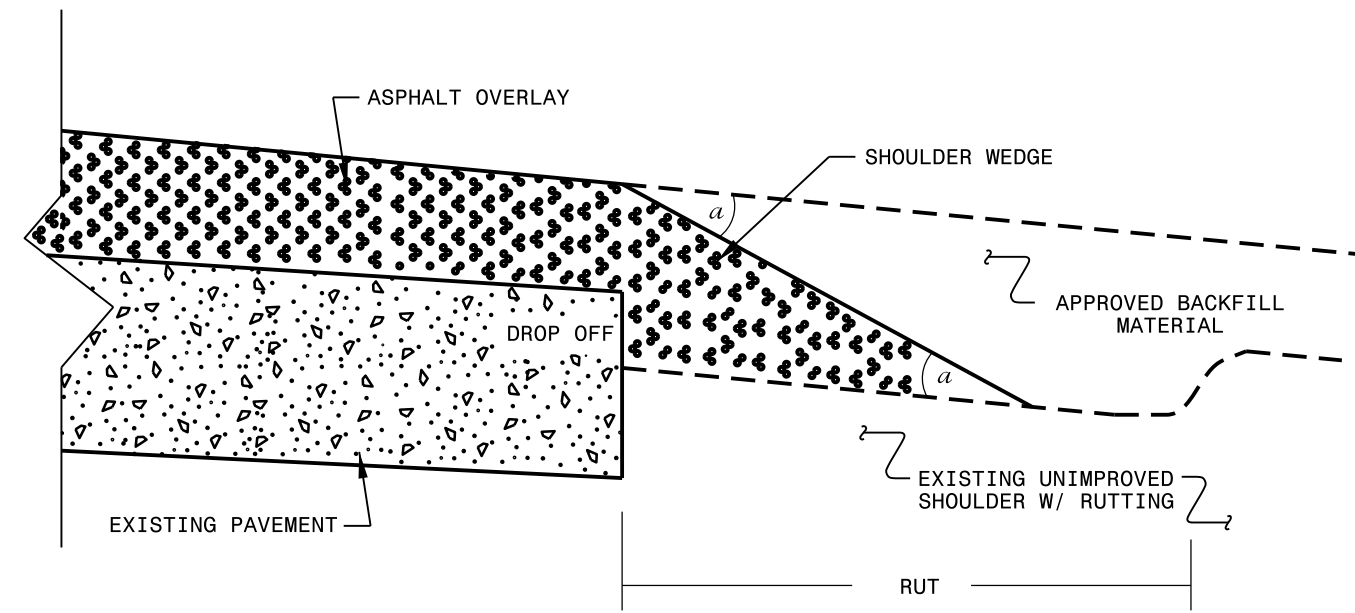
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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.: susr/details/stand/shoulderwedgedetail.dgn			

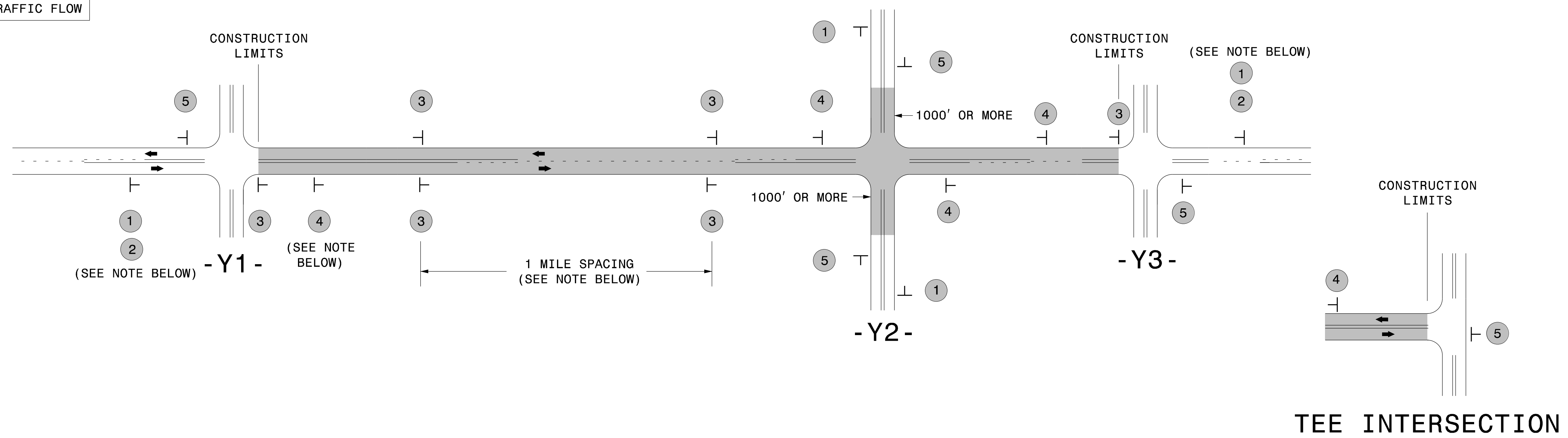
SYSTEM: 11/15/11
 USER: T.SPELL
 FILE: susr/details/stand/shoulderwedgedetail.dgn

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

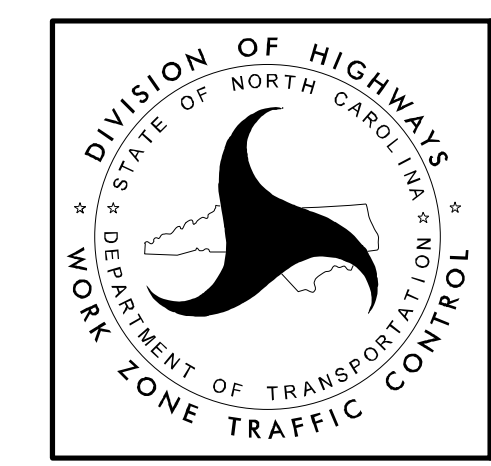
-Y- LINE SIGNING

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"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS DEAD END ROADS <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;"> W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> W20-7 A 48" X 48" 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.

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'

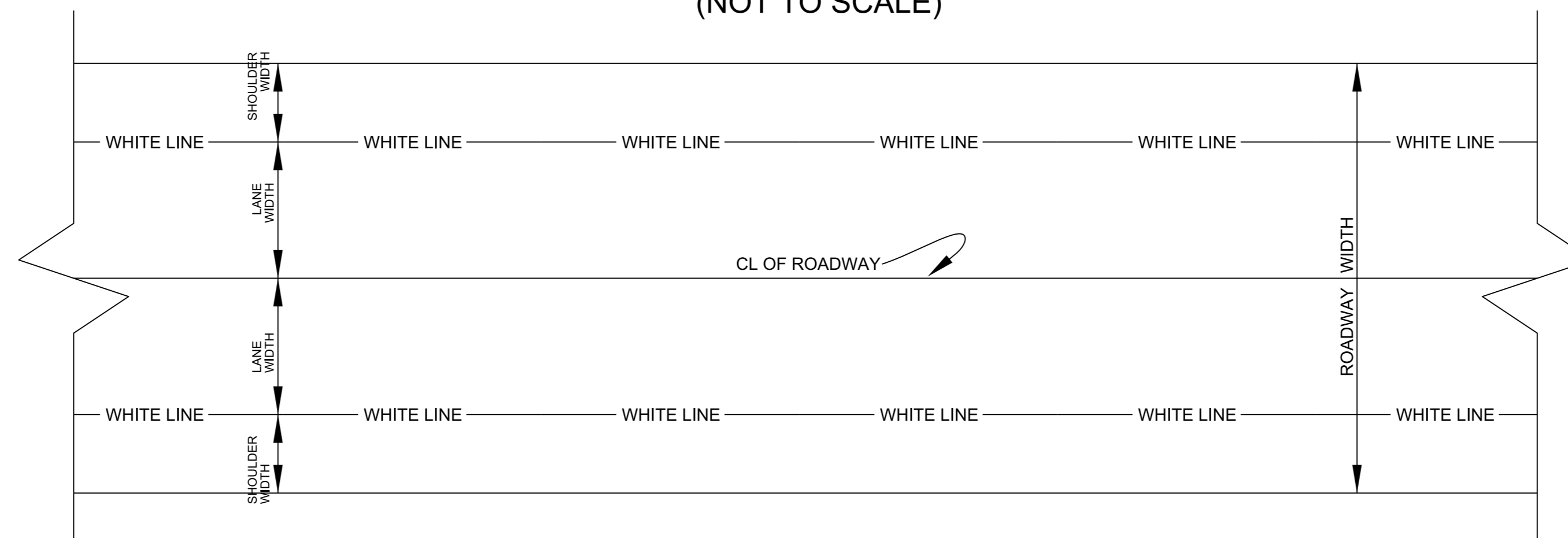
* May vary due to pavement width

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.
26CPT.06.13.10241.1, 2026CPT.06.13.20241		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1220000000-E	1245000000-E	1260000000-E	1297000000-E		1308000000-E
												INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	ASB	0.75" MILLING	1½" MILLING	0" TO 3" MILLING
												MI	FT	TONS	SMI	TON	SY
2026CPT.06.13.10241.1	Columbus	1	NC-211	FROM NC214 TO BLADEN COUNTY	1	2	2WU	4.880	32	9.550	14.430	20	9.76	1,464			90,676
TOTAL FOR MAP NO. 1								4.880				20	9.76	1,464			90,676
TOTAL FOR PROJ NO. 2026CPT.06.13.10241.1								4.880				20	9.76	1,464			90,676

2026CPT.06.13.20241.1	Columbus	2	SR-1001 / HALLSBORO RD S	FROM GILES BYRD RD TO BARNEY TYLER RD	2	2	2WU	3.755	25	6.095	9.850	20				55,073	
TOTAL FOR MAP NO. 2								3.755				20			55,073		
2026CPT.06.13.20241.1	Columbus	3	SR-1757 / JEFFERSON RD	FROM LAKEWOOD AVE. TO NC214	3	2	2WU	1.112	19	2.380	3.492	20					12,395
TOTAL FOR MAP NO. 3								1.112				20				12,395	
TOTAL FOR PROJ NO. 2026CPT.06.13.20241.1								4.867				40			55,073	12,395	
GRAND TOTAL												60	9.76	1,464.00	55,073	12,395	90,676
															67,468		

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1330000000-E	1519000000-E	1523000000-E	1524000000-E	1575000000-E	2845000000-N
												INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	LEVELING COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	ADJ. OF METER OR VALVE BOX
												SY	TONS	TONS	TONS	TONS	EA
2026CPT.06.13.10241.1	Columbus	1	NC-211	FROM NC214 TO BLADEN COUNTY	1	2	2WU	4.880	32	9.550	14.430	6,549		7,726	100	462	4
TOTAL FOR MAP NO. 1								4.880				6,549		7,726	100	462	4
TOTAL FOR PROJ NO. 2026CPT.06.13.10241.1								4.880				6,549		7,726	100	462	4

2026CPT.06.13.20241.1	Columbus	2	SR-1001 / HALLSBORO RD S	FROM GILES BYRD RD TO BARNEY TYLER RD	2	2	2WU	3.755	25	6.095	9.850	3,023	4,764			310	
TOTAL FOR MAP NO. 2								3.755				3,023	4,764			310	
2026CPT.06.13.20241.1	Columbus	3	SR-1757 / JEFFERSON RD	FROM LAKEWOOD AVE. TO NC214	3	2	2WU	1.112	19	2.380	3.492	285	1,065			69	
TOTAL FOR MAP NO. 3								1.112				285	1,065			69	
TOTAL FOR PROJ NO. 2026CPT.06.13.20241.1								4.867				3,308	5,829			379	

GRAND TOTAL												9.747				9,857	5,829	7,726.00	100	841	4
--------------------	--	--	--	--	--	--	--	--	--	--	--	--------------	--	--	--	--------------	--------------	-----------------	------------	------------	----------

PROJECT NO.	SHEET NO.	TOTAL NO.
CPT.06.13.10241.1, 2026CPT.06.13.20		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	441300000-E	445700000-N	468500000-E		468800000-E		469500000-E	472500000-E		
												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 WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M YELLOW THERMO	THERMO STR ARROW 90 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M
												SF	LS	LF	LF	LF	LF	LF	EA	EA	EA
							MI	FT													
2026CPT.06.13.10241.1	Columbus	1	NC-211	FROM NC214 TO BLADEN COUNTY	1	2	2WU	4.88	32	9.55	14.43	278	0.55			42,673	32,913	130	8	4	6
TOTAL FOR MAP NO. 1								4.88				278	0.55			42,673	32,913	130	8	4	6
TOTAL FOR PROJ NO. 2026CPT.06.13.10241.1								4.88				278	0.55			42,673	32,913	130	8	4	6
													75,586			18					
2026CPT.06.13.20241.1	Columbus	2	SR-1001 / HALLSBORO RDS	FROM GILES BYRD RD TO BARNEY TYLER RD	2	2	2WU	3.755	25	6.095	9.85	310	0.37			41,167	24,483				
TOTAL FOR MAP NO. 2								3.755				310	0.37			41,167	24,483				
2026CPT.06.13.20241.1	Columbus	3	SR-1757 / JEFFERSON RD	FROM LAKEWOOD AVE. TO NC214	3	2	2WU	1.112	19	2.38	3.492	160	0.08	3,481	11,894						
TOTAL FOR MAP NO. 3								1.112				160	0.082	3,481	11,894						
TOTAL FOR PROJ NO. 2026CPT.06.13.20241.1								4.867				470	0.451	3,481	11,894	41,167	24,483				
													15,375		65,650						
GRAND TOTAL								9.747				748	1.000	3,481	11,894	83,840	57,396	130	8	4	6
													15,375		141,236					18	

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	481500000-E		482000000-E	484500000-N			490000000-N	
												6" YELLOW PAINT	6" WHITE PAINT	8" YELLOW PAINT	PAINT LT ARROW	PAINT STR ARROW	PAINT RT ARROW	CRYSTAL & RED MARKERS	YELLOW & YELLOW MARKERS
												LF	LF	LF	EA	EA	EA	EA	EA
							MI	FT											
2026CPT.06.13.10241.1	Columbus	1	NC-211	FROM NC214 TO BLADEN COUNTY	1	2	2WU	4.88	32	9.55	14.43	32,913	42,673	130	4	8	6	70	306
TOTAL FOR MAP NO. 1								4.88				32,913	42,673	130	4	8	6	70	306
TOTAL FOR PROJ NO. 2026CPT.06.13.10241.1								4.88				32,913	42,673	130	4	8	6	70	306
												75,586		18			376		
2026CPT.06.13.20241.1	Columbus	2	SR-1001 / HALLSBORO RDS	FROM GILES BYRD RD TO BARNEY TYLER RD	2	2	2WU	3.755	25	6.095	9.85								253
TOTAL FOR MAP NO. 2								3.755											253
2026CPT.06.13.20241.1	Columbus	3	SR-1757 / JEFFERSON RD	FROM LAKEWOOD AVE. TO NC214	3	2	2WU	1.112	19	2.38	3.492								75
TOTAL FOR MAP NO. 3								1.112										75	
TOTAL FOR PROJ NO. 2026CPT.06.13.20241.1								4.867											328
													75,586		18			704	
GRAND TOTAL								9.747				32,913	42,673	130	4	8	6	70	634
													75,586		18			704	