

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 6

PLANS

Letting Date: March 18, 2026

CONTRACT ID: DF00547

TIP NO.: -----

FEDERAL AID NO.: STATE FUNDED

WBS ELEMENT NO.: 2026CPT.06.14.10091.1, 2026CPT.06.14.10241.1 & 2026CPT.06.14.20241.1

ROUTE NO.: VARIOUS

LOCATION: VARIOUS

COUNTY: BLADEN & COLUMBUS

LENGTH OF PROJECT: 19.067 MILES

TYPE OF WORK: MILLING, RESURFACING, & SHOULDER RECONSTRUCTION

Bladen County Resurfacing, 2026

Contract : DF00547



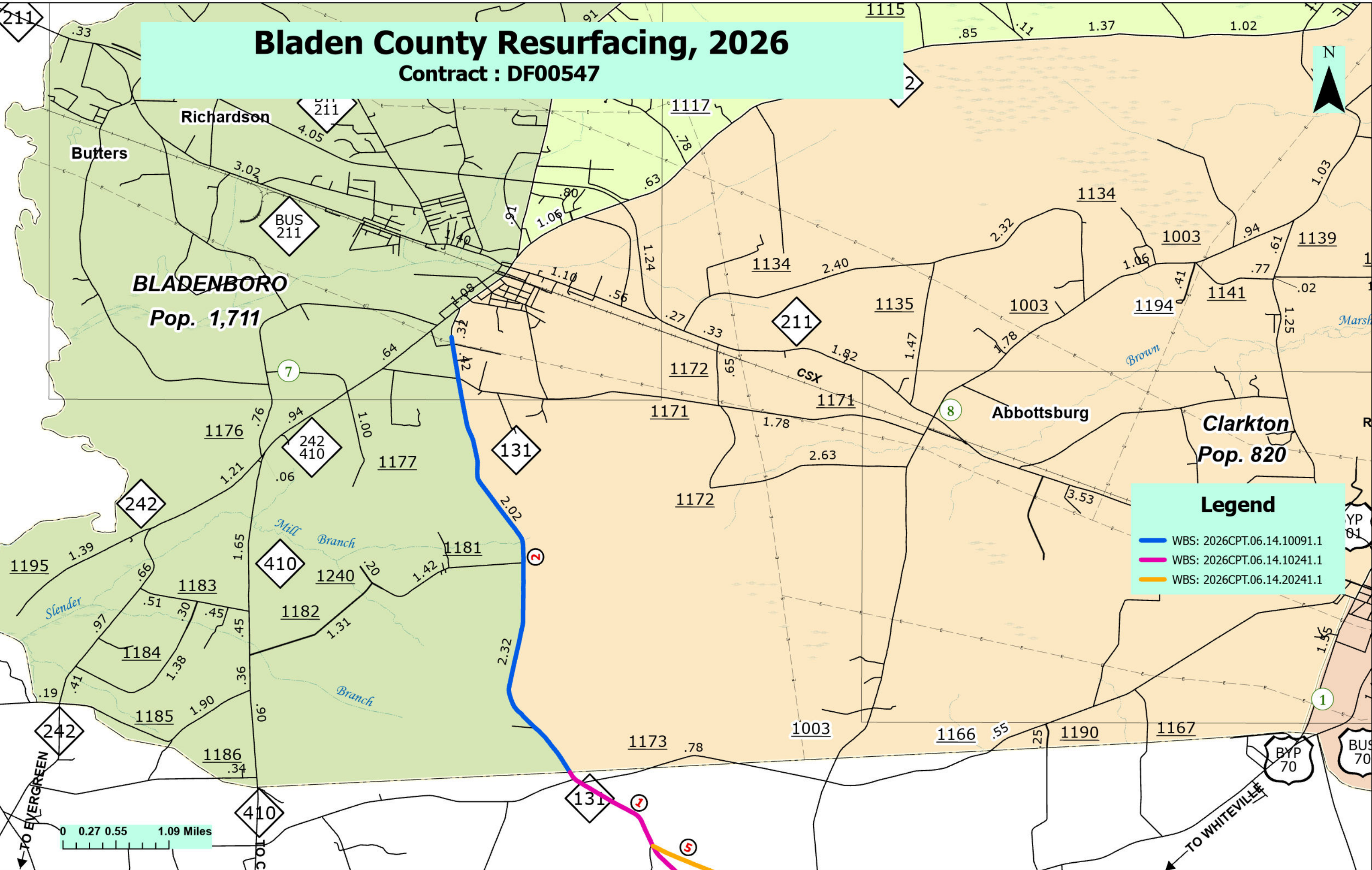
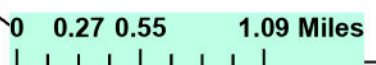
BLADENBORO
Pop. 1,711

Abbottsburg

Clarkton
Pop. 820

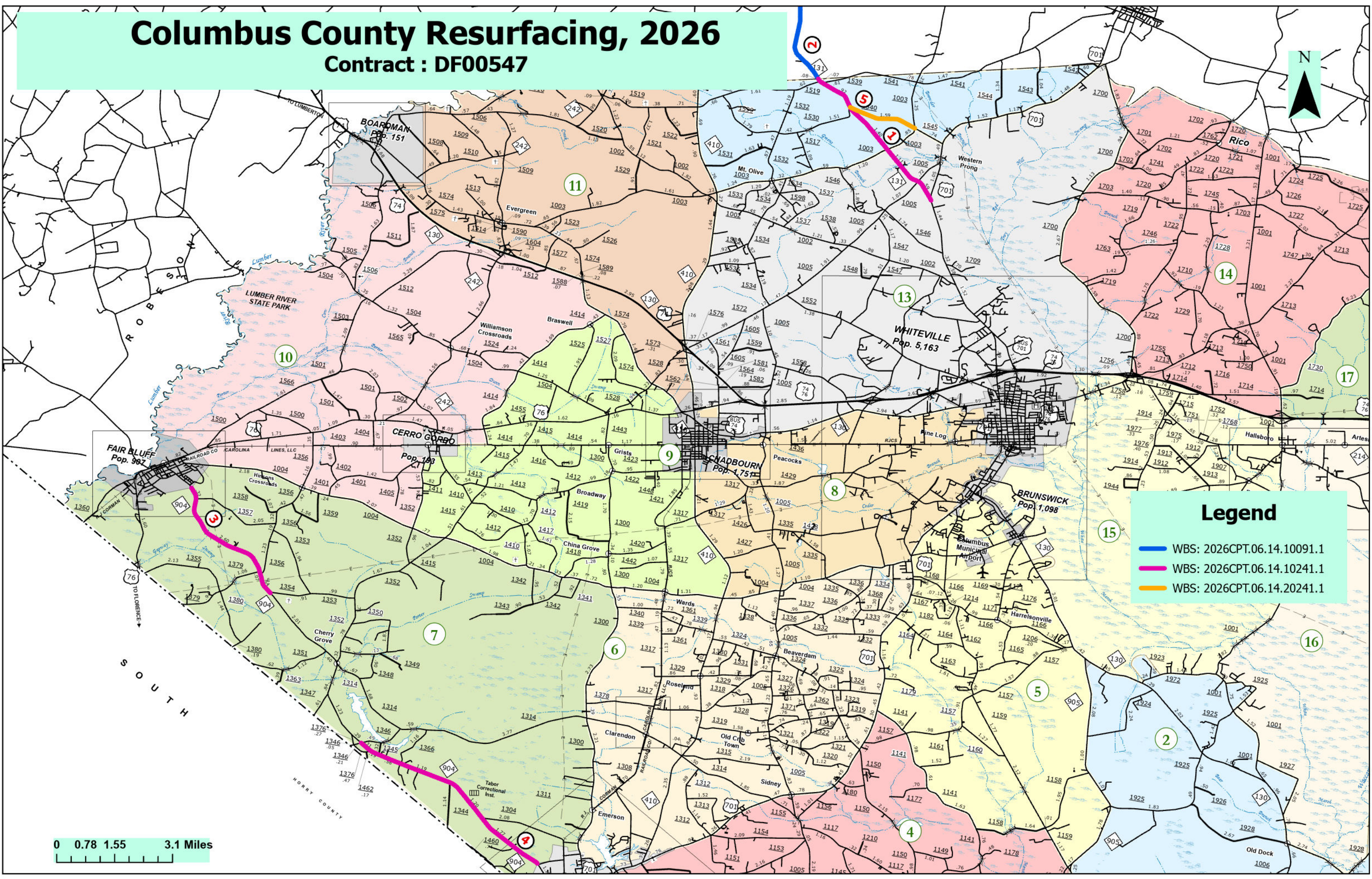
Legend

- WBS: 2026CPT.06.14.10091.1
- WBS: 2026CPT.06.14.10241.1
- WBS: 2026CPT.06.14.20241.1



Columbus County Resurfacing, 2026

Contract : DF00547

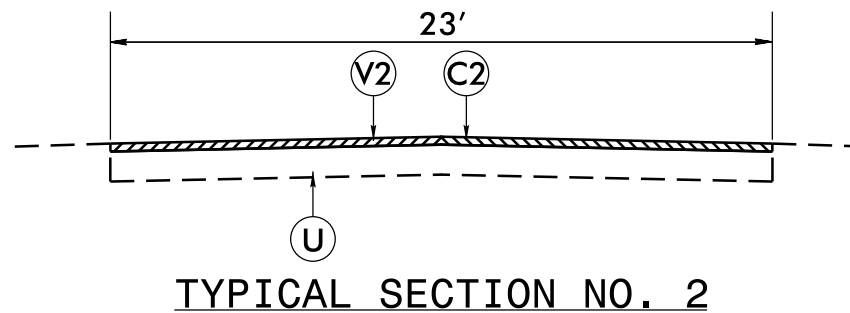
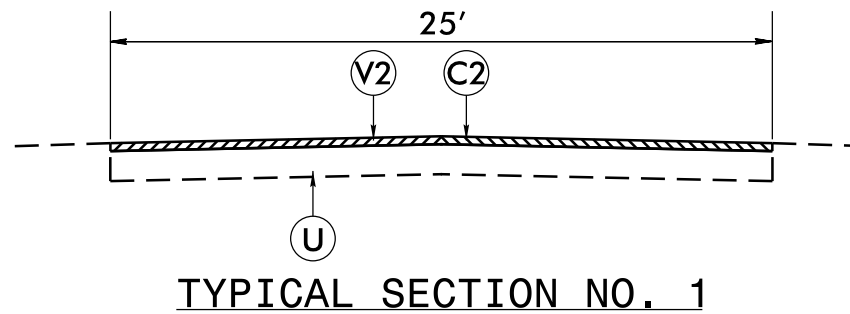


Legend

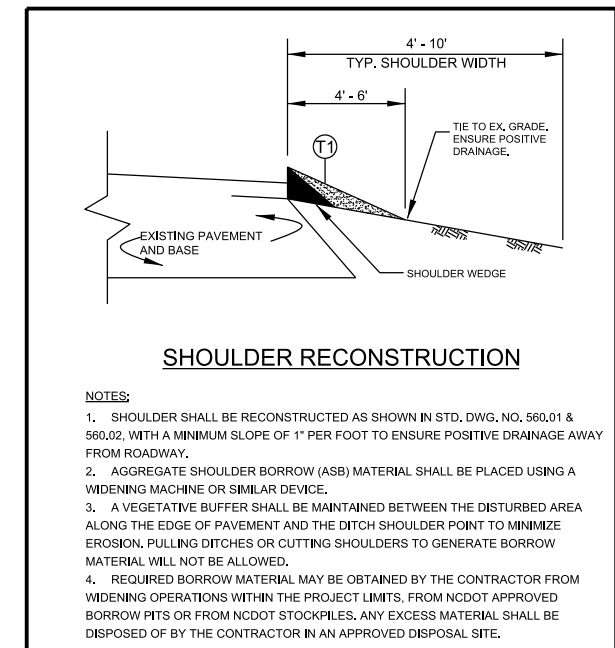
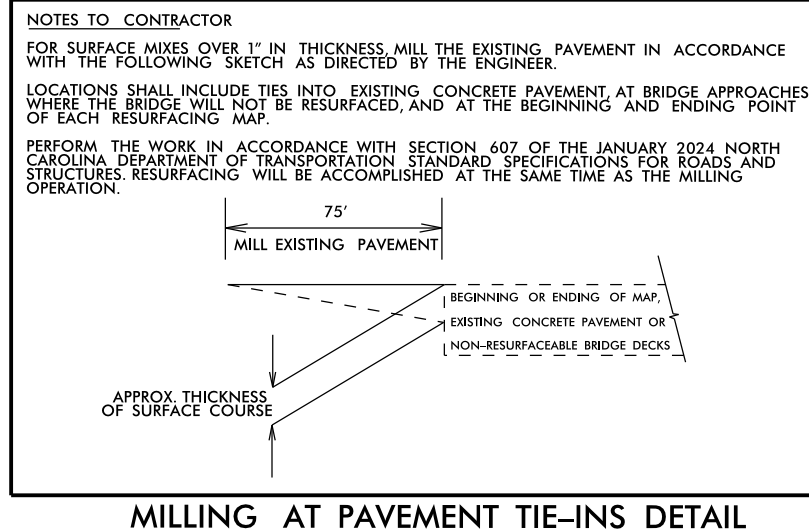
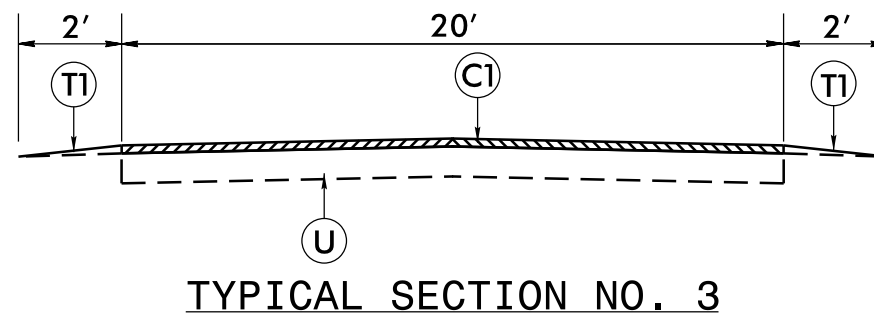
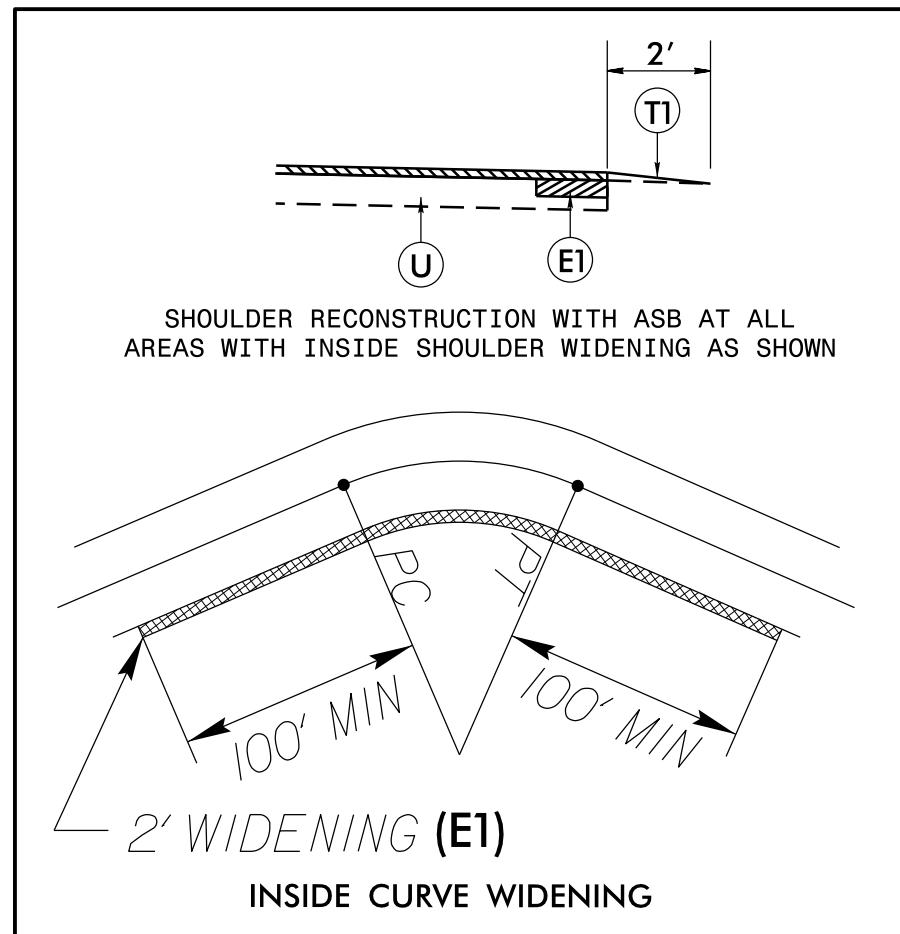
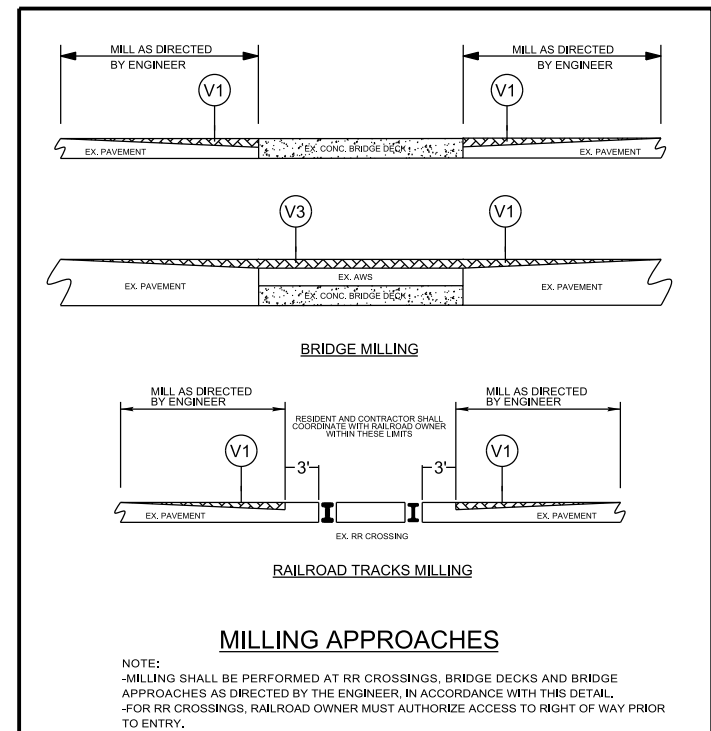
- WBS: 2026CPT.06.14.10091.1
- WBS: 2026CPT.06.14.10241.1
- WBS: 2026CPT.06.14.20241.1

0 0.78 1.55 3.1 Miles

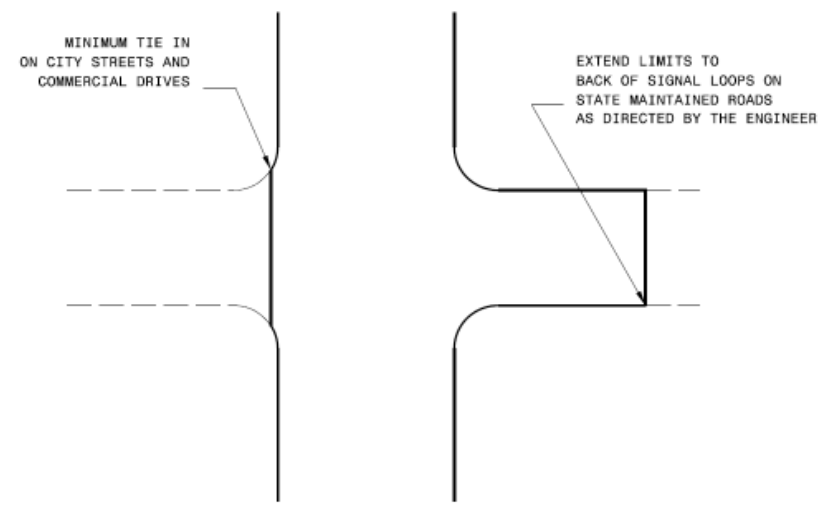
PAVEMENT SCHEDULE	
C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
E1	4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	0" - 1½" MILLING
V2	¾" MILLING
V3	1½" MILLING



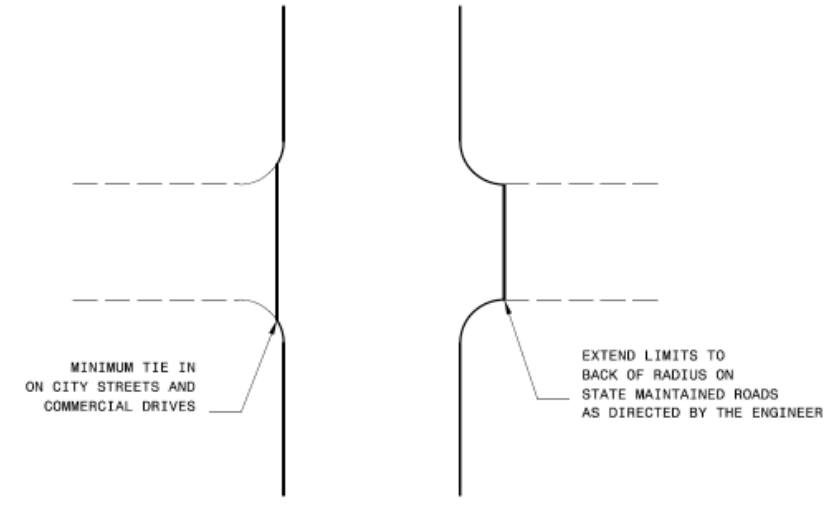
-PLUS 2' INSIDE CURVE WIDENING (SEE DETAIL)



PROJECT REFERENCE NO.	SHEET NO.
DF00547	



TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES

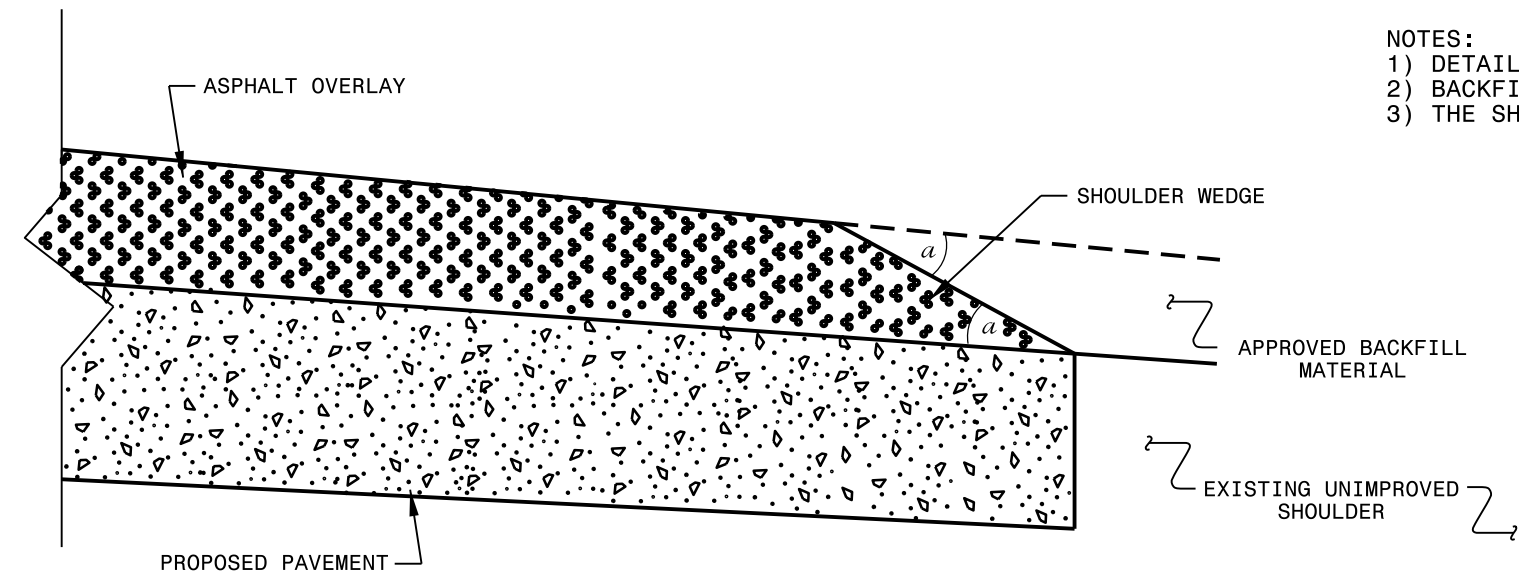


TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

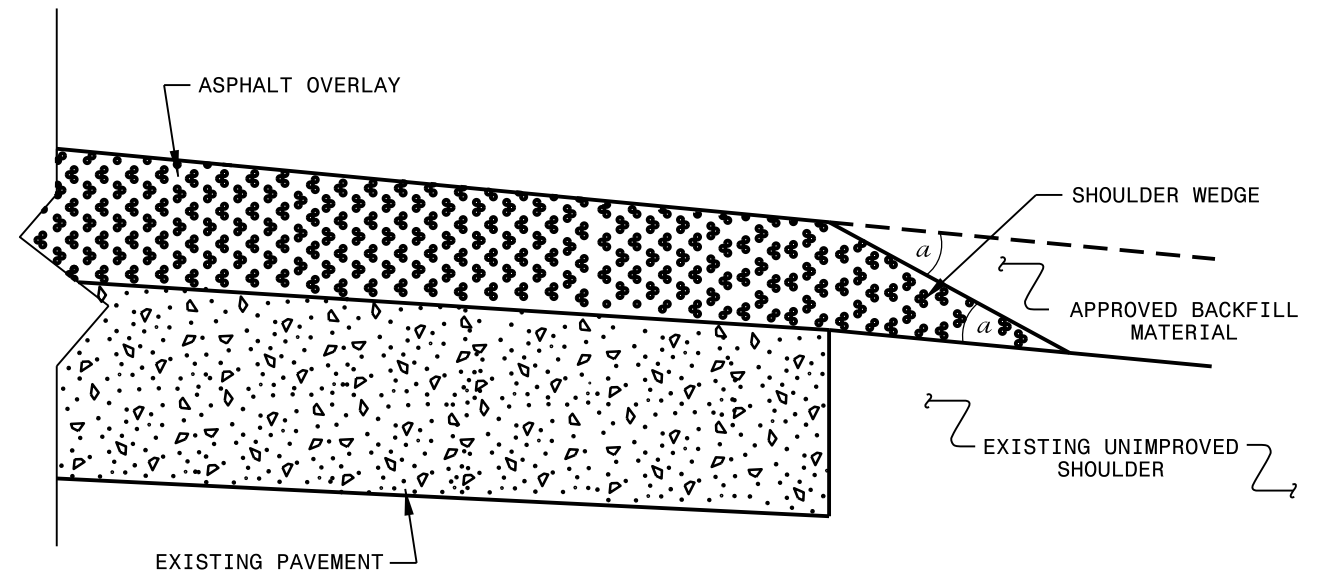
ADDITIONAL INTERSECTIONS (NON-TYPICAL)				
Extend paving limits to back of radius or loop on the following intersections				
Map #	Street Name	Comments	Total	Unit
1	SR1005 LT	15' FROM EOP OF L LINE	102.5	SY
1	SR1005 RT	20' FROM EOP OF L LINE	121.1	SY
1	SR1003 LT	30' FROM EOP OF L LINE	108.3	SY
1	SR1003 RT	40' FROM EOP OF L LINE	239.4	SY
1	SR1540 RT	60' FROM EOP OF L LINE	241.7	SY
1	SR1540 LT	60' FROM EOP OF L LINE	340	SY
1	SR1539	90' FROM EOP OF L LINE	383.9	SY
1	SR1519	60' FROM EOP OF L LINE	282.8	SY
2	SR1171 RT	74' FROM EOP OF L LINE	417.4	SY
2	SR1171 LT	98' FROM EOP OF L LINE	741.1	SY
2	SR1181	48' FROM EOP OF L LINE	251.7	SY
3	SR1354	70' FROM EOP OF L LINE	297.8	SY
3	SR1356 LT	108' FROM EOP OF L LINE	632.9	SY
3	SR1379	33' FROM EOP OF L LINE	223.6	SY
3	SR1357	70' FROM EOP OF L LINE	234.4	SY
4	SR1304	49' FROM EOP OF L LINE	230.5	SY
4	SR1344	70' FROM EOP OF L LINE	406.7	SY
4	SR1366	45' FROM EOP OF L LINE	195.8	SY
4	SR1345	67' FROM EOP OF L LINE	411.4	SY
4	SR1376	65' FROM EOP OF L LINE	362.8	SY

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

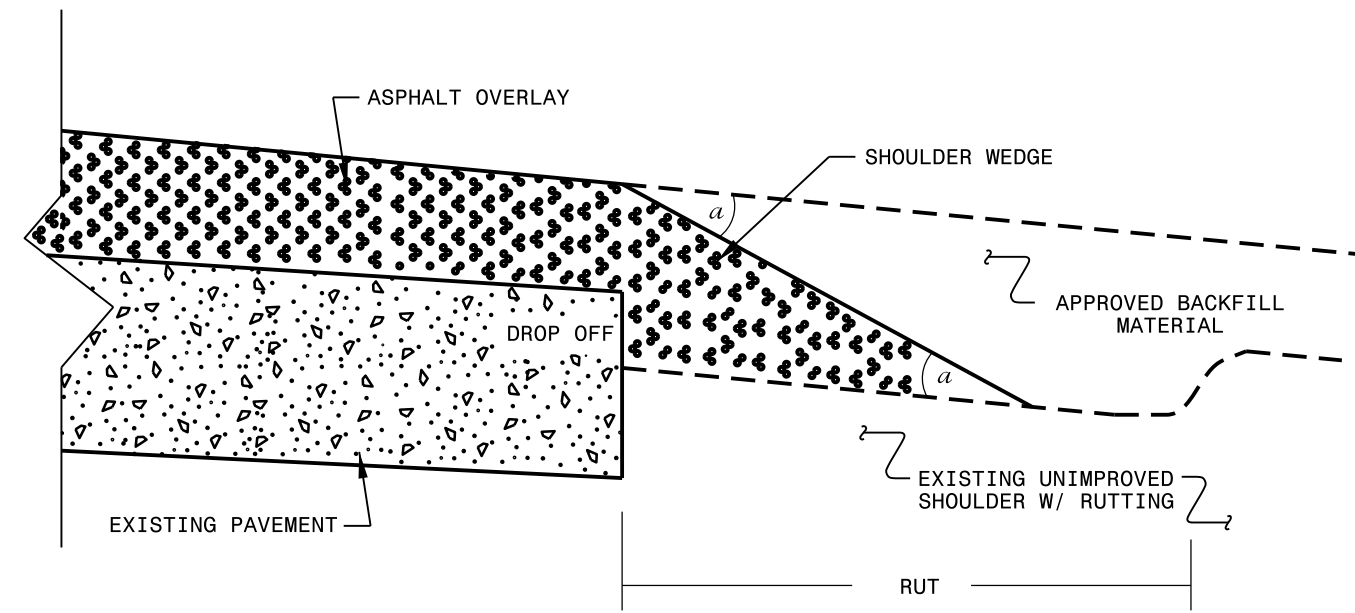
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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

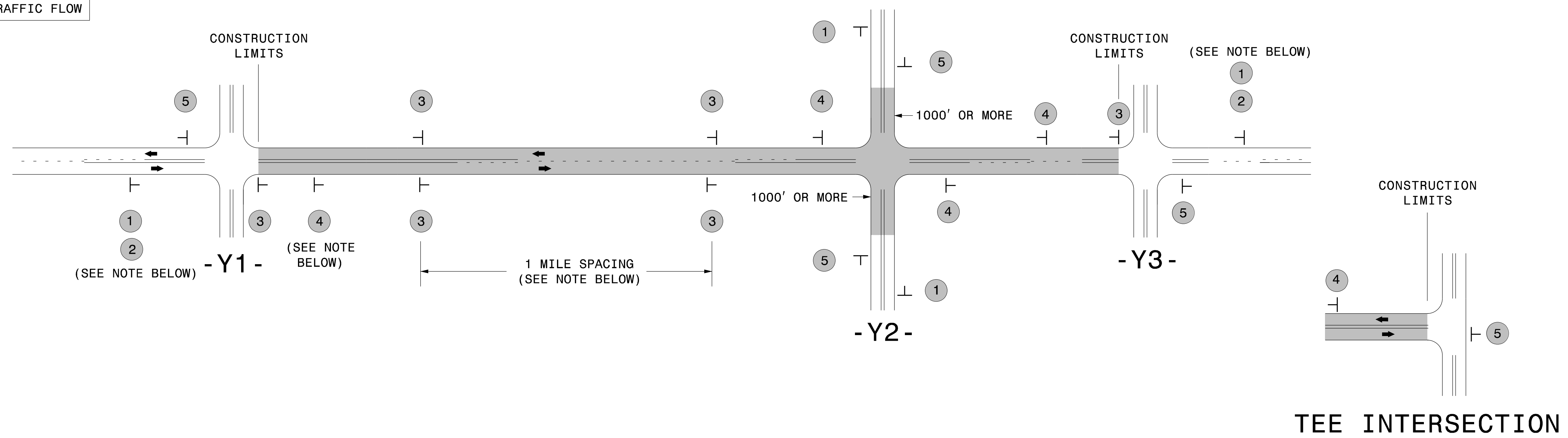
SYSTEMS DESIGN
 USER NAME

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

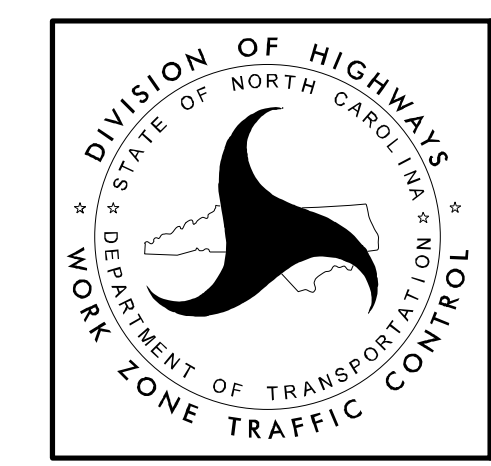
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 W20-1 48" X 48"	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"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) 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" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 W7-3aP 24" X 18"	#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	 SP 13107 48" X 48"	<ul style="list-style-type: none"> - 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	 SP 13106 48" X 48"	<ul style="list-style-type: none"> - 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	 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.

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'

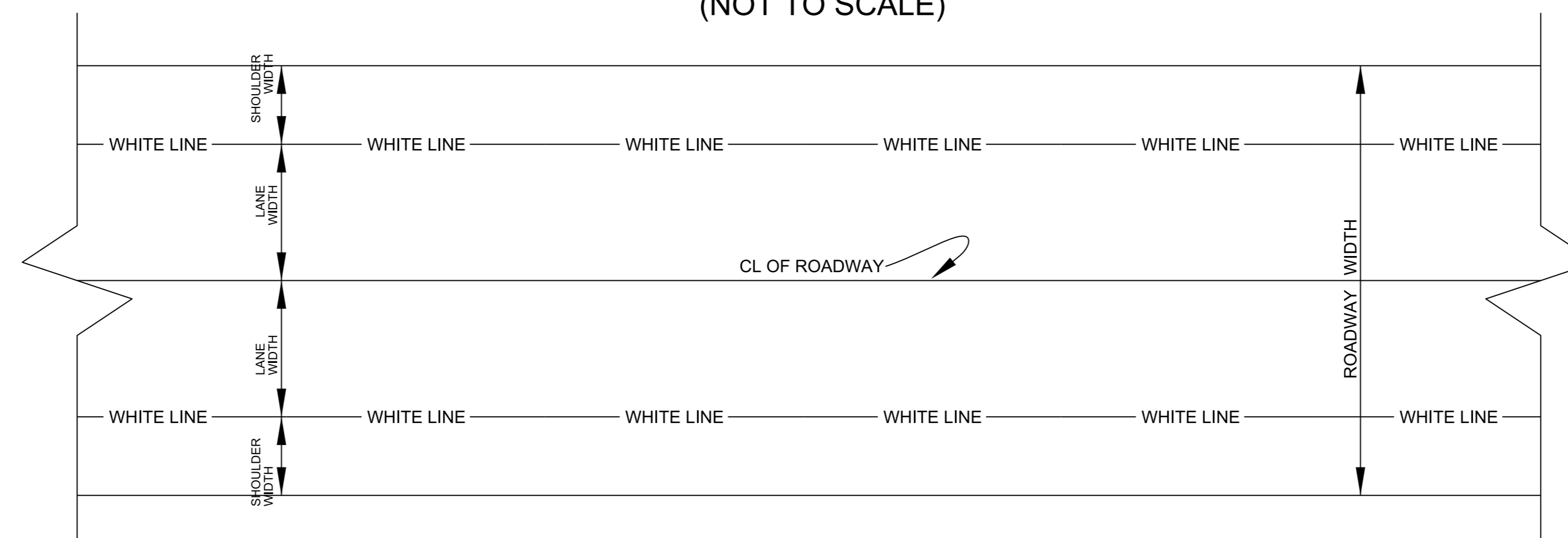
* May vary due to pavement width

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.
 2026CPT.06.14.10241.1, 2026CPT.06.14.10091.1
 2026CPT.06.14.20241.1

SHEET NO.	TOTAL NO.

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEG N MP	END MP	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1491000000-E	1519000000-E	1523000000-E	1575000000-E	
												INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	0.75" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	
												TONS	SMI	TON	SY	SY	TONS	TONS	TONS	TONS	
							MI	FT													
2026CPT.06.14.10241.1	Columbus	1	NC-131	FROM US701 TO BLADEN COUNTY LINE	1	2	2WU	4.100	25	0.080	4.180	20			59,987	2,040			5,452	322	
TOTAL FOR MAP NO. 1								4.100				20			59,987	2,040			5,452	322	
2026CPT.06.14.10241.1	Columbus	3	NC-904	FROM FAIR BLUFF CL TO SR1354	2	2	2WU	3.490	23	1.360	4.850	20	0.20	30	47,092	4,096	60		4,448	265	
TOTAL FOR MAP NO. 3								3.490				20	0.20	30	47,092	4,096	60		4,448	265	
2026CPT.06.14.10241.1	Columbus	4	NC-904	FROM SR1346 TO TABOR CITY CL	2	2	2WU	5.132	23	9.640	14.772	20	0.92	138	69,248	3,265	295		6,341	387	
TOTAL FOR MAP NO. 4								5.132				20	0.92	138	69,248	3,265	295		6,341	387	
TOTAL FOR PROJ NO. 2026CPT.06.14.10241.1								12.722				60	1.12	168	176,327	9,401	355		16,241	974	
2026CPT.06.14.10091.1	Bladen	2	NC-131	FROM COLUMBUS COUNTY LINE TO C&G	1	2	2WU	4.790	25	0.000	4.790	20			70,253	1,513			6,321	373	
TOTAL FOR MAP NO. 2								4.790				20			70,253	1,513			6,321	373	
TOTAL FOR PROJ NO. 2026CPT.06.14.10091.1								4.790				20			70,253	1,513			6,321	373	
2026CPT.06.14.20241.1	Columbus	5	SR-1540 / JORDAN RD	FROM NC131 TO SR1003	3	2	2WU	1.555	20	0.010	1.565	20	3.11	467				1,686		110	
TOTAL FOR MAP NO. 5								1.555				20	3.11	467					1,686	110	
TOTAL FOR PROJ NO. 2026CPT.06.14.20241.1								1.555				20	3.11	467					1,686	110	
GRAND TOTAL								19.067				100	4.23	635	246,580	10,914	355		1,686	22,562	1,457

PROJECT NO.	SHEET NO.	TOTAL NO.
.06.14.10241.1, 2026CPT.06.14.2026CPT.06.14.20241.1,		

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	4709000000-E	4720000000-E	4725000000-E		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	6" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	24" X 90 M WHITE THERMO	THERMO CHARACTER 90 M	THERMO RT ARROW 90 M	THERMO LT ARROW 90 M	YELLOW & YELLOW MARKERS		
												SF	LS	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA		
2026CPT.06.14.10241.1	Columbus	1	NC-131	FROM US701 TO BLADEN COUNTY LINE	1	2	2WU	4.1	25	0.08	4.18	299	0.22			22,039	44,081		50				279		
TOTAL FOR MAP NO. 1								4.1				299	0.22			22,039	44,081		50				279		
2026CPT.06.14.10241.1	Columbus	3	NC-904	FROM FAIR BLUFF CL TO SR1354	2	2	2WU	3.49	23	1.36	4.85	246	0.18			28,049	37,560						237		
TOTAL FOR MAP NO. 3								3.49				246	0.18			28,049	37,560						237		
2026CPT.06.14.10241.1	Columbus	4	NC-904	FROM SR1346 TO TABOR CITY CL	2	2	2WU	5.132	23	9.64	14.772	342	0.27			26,260	55,058	124			2	2	342		
TOTAL FOR MAP NO. 4								5.132				342	0.27			26,260	55,058	124			2	2		342	
TOTAL FOR PROJ NO. 2026CPT.06.14.10241.1								12.722				887	0.67			76,348	136,699	124		50		2	2		858
												213,047				4									
2026CPT.06.14.10091.1	Bladen	2	NC-131	FROM COLUMBUS COUNTY LINE TO C&G	1	2	2WU	4.79	25	0	4.79	235	0.26			27,833	51,221		42	6			320		
TOTAL FOR MAP NO. 2								4.79				235	0.26			27,833	51,221		42	6				320	
TOTAL FOR PROJ NO. 2026CPT.06.14.10091.1								4.79				235	0.26			27,833	51,221		42	6				320	
												79,054													
2026CPT.06.14.20241.1	Columbus	5	SR-1540 / JORDAN RD	FROM NC131 TO SR1003	3	2	2WU	1.555	20	0.01	1.565	104	0.08	12,914	16,421								105		
TOTAL FOR MAP NO. 5								1.555				104	0.075	12,914	16,421									105	
TOTAL FOR PROJ NO. 2026CPT.06.14.20241.1								1.555				104	0.075	12,914	16,421										105
												29,335													
GRAND TOTAL								19.067				1,226	1.000	12,914	16,421	104,181	187,920	124	92	6	2	2		1,283	
												29,335				292,101				4					