

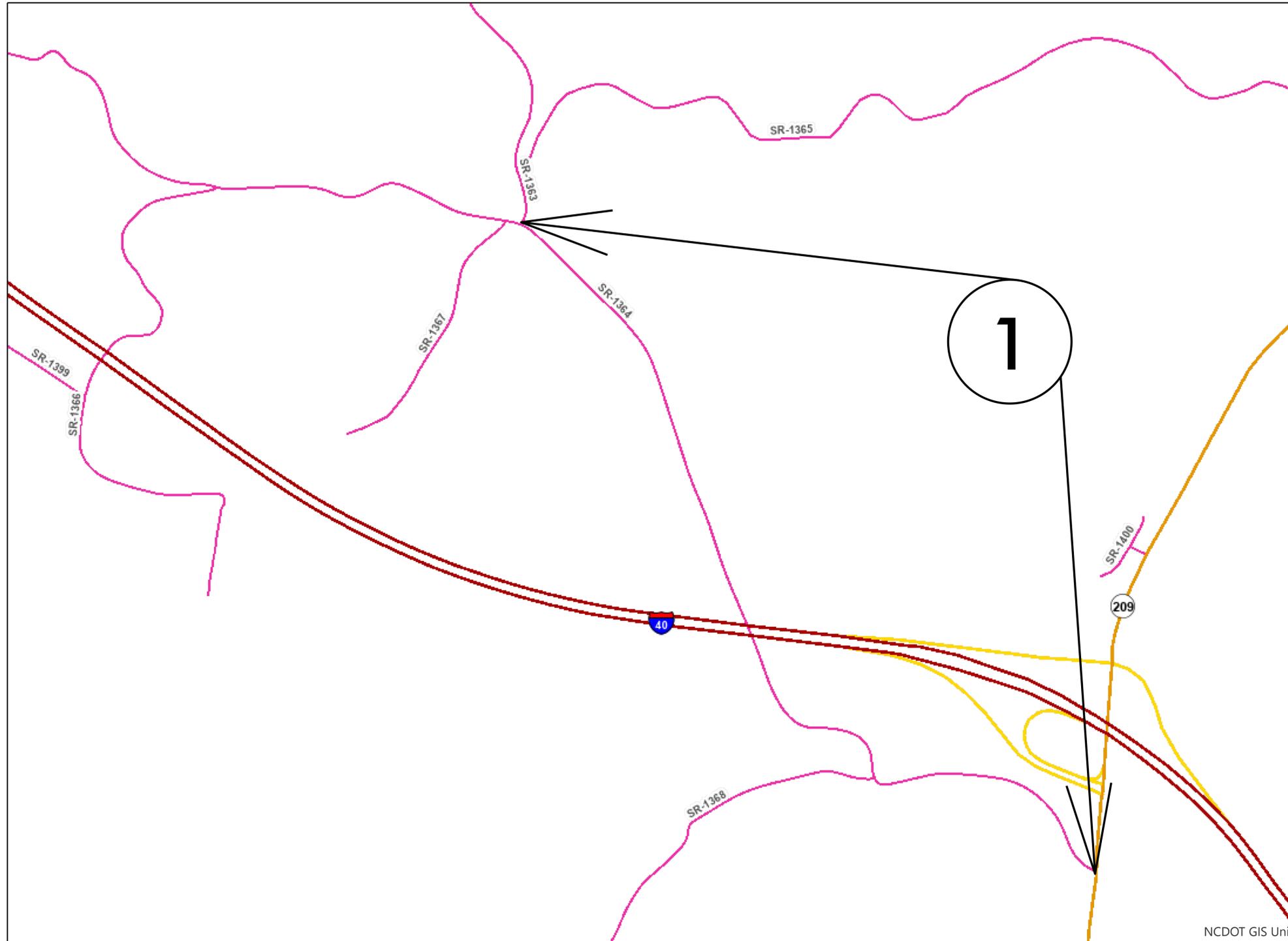
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HAYWOOD COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.09.20441	1	15
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.09.20501		CON	
		CON	



MAP 1



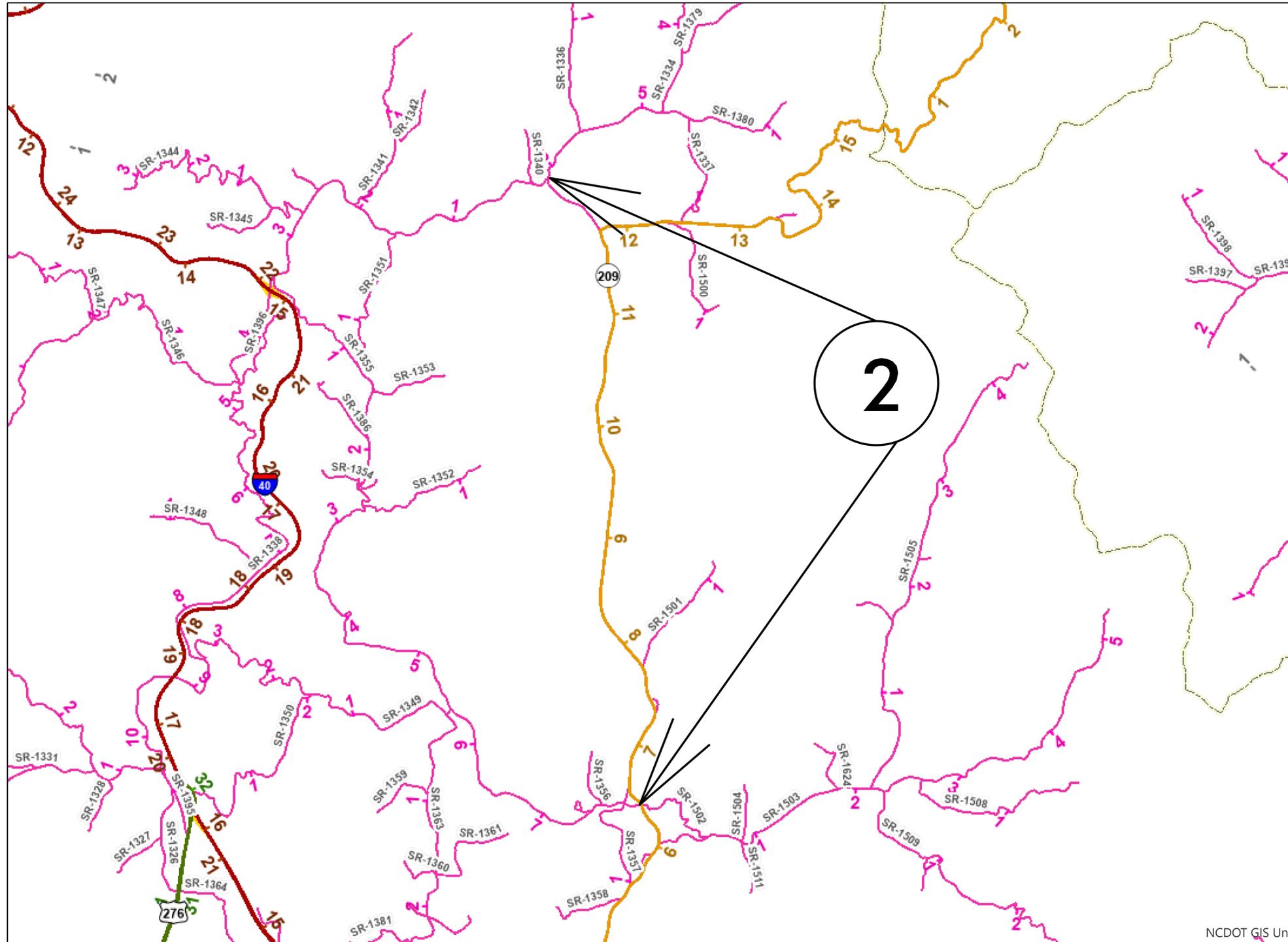
BEG

END

CONTRACT: DN01149

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.09.20441	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

HAYWOOD COUNTY



MAP 2



BEG

END

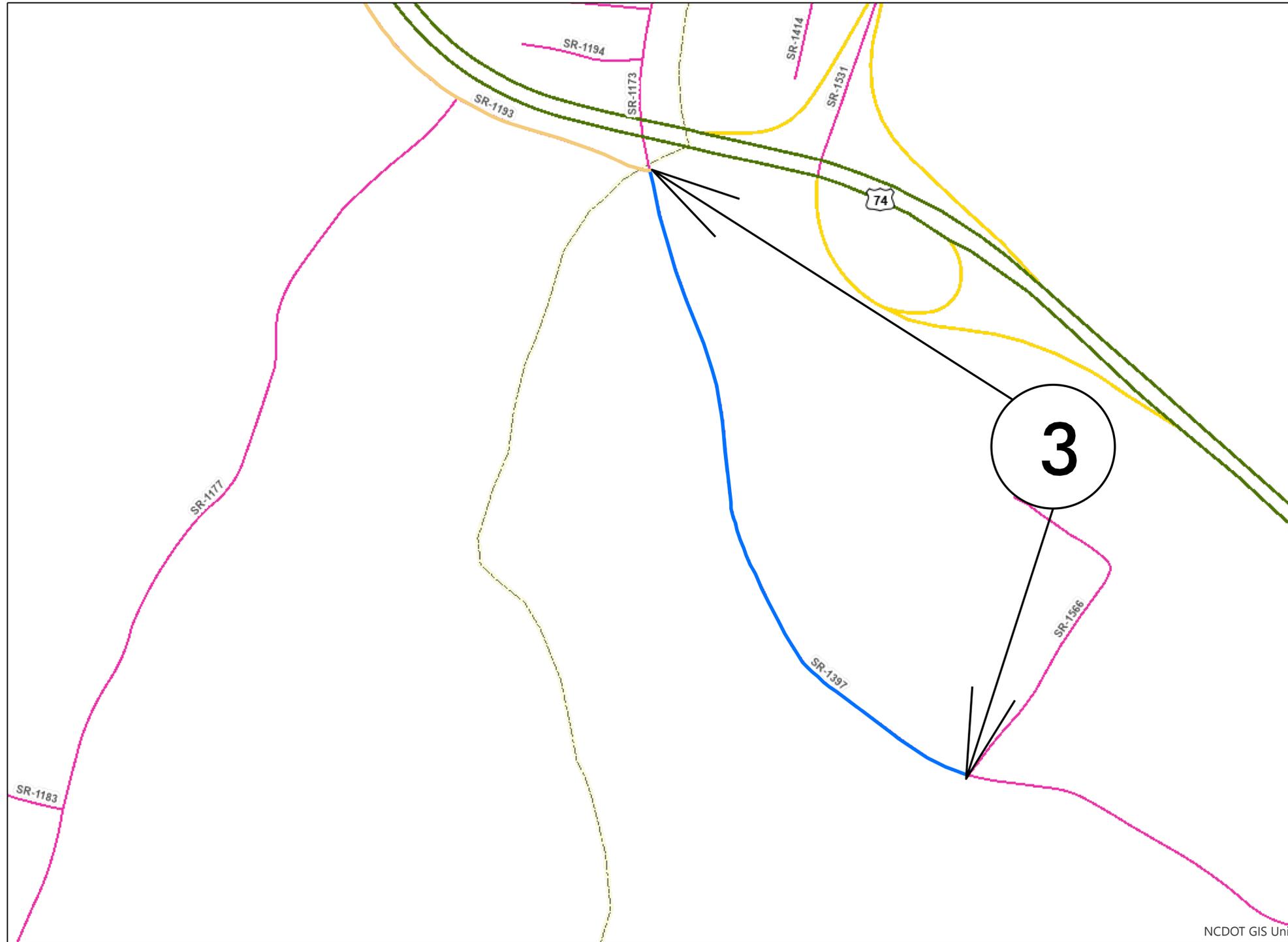
CONTRACT: DN01149

NCDOT GIS Unit

09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.09.20501	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

JACKSON COUNTY



MAP 3



BEG



END

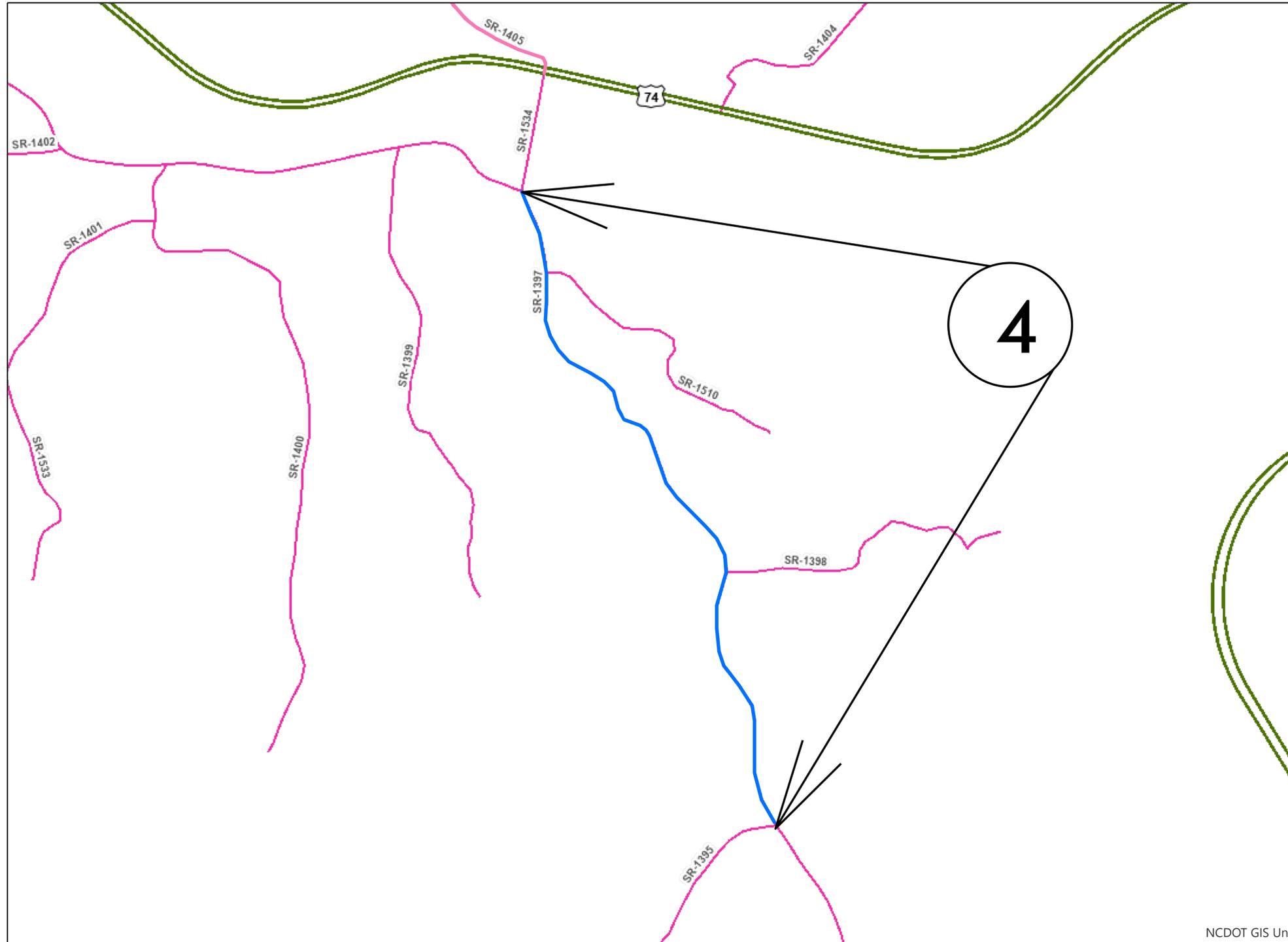
NCDOT GIS Unit

CONTRACT: DN01149

09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.09.20501	4	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

JACKSON COUNTY



MAP 4



BEG



END

NCDOT GIS Unit

CONTRACT: DN01149

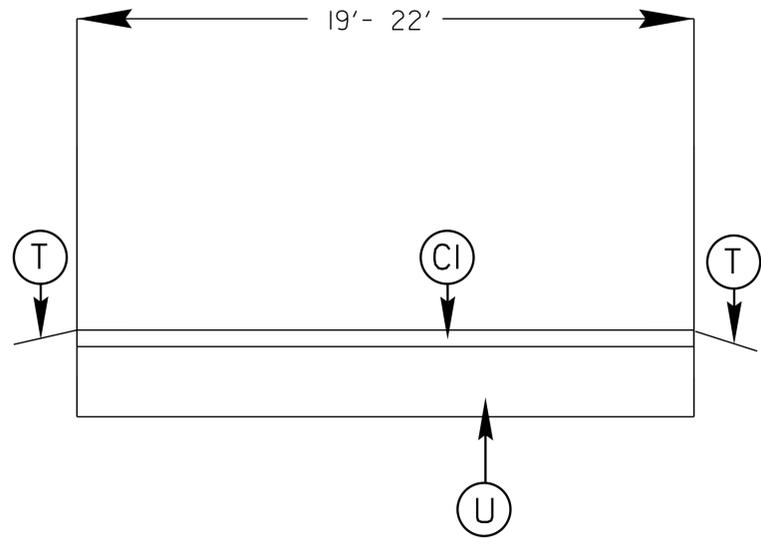
09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.09.20441	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.09.20501			

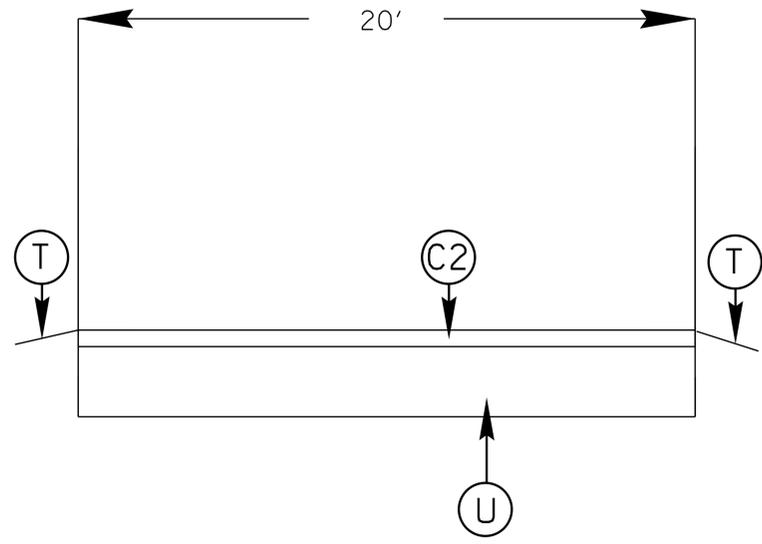
SURFACING SCHEDULE

C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B(LEVELING), AT AN AVERAGE RATE OF 138LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER -SEE PROJECT SPECIAL PROVISIONS-
U	EXISTING PAVEMENT

TYPICAL 1



TYPICAL 2



CONTRACT: DN01149

09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.09.20441	9	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.09.20501			

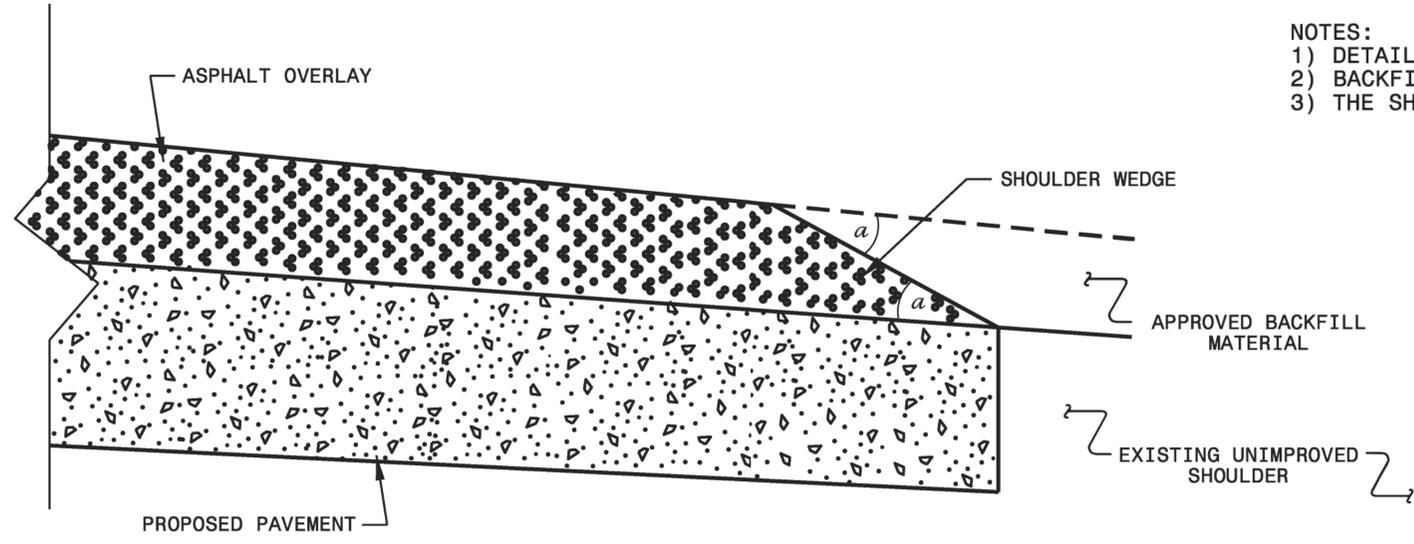
Bridge Structure Table

Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
1	SR-1364	Coleman Mtn Rd	Haywood	430282	24	39	Yes
2	SR-1355	Panther Creek Rd	Haywood	430258	99	99	Yes
2	SR-1355	Panther Creek Rd	Haywood	430173	18	23	Yes

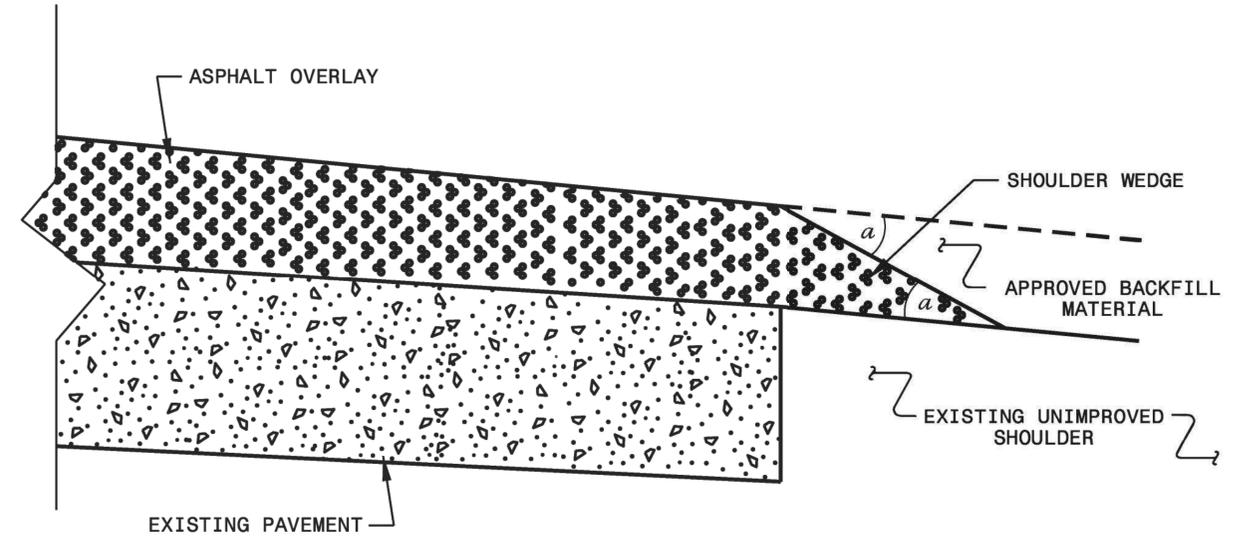
CONTRACT: DN01149

09/08/09

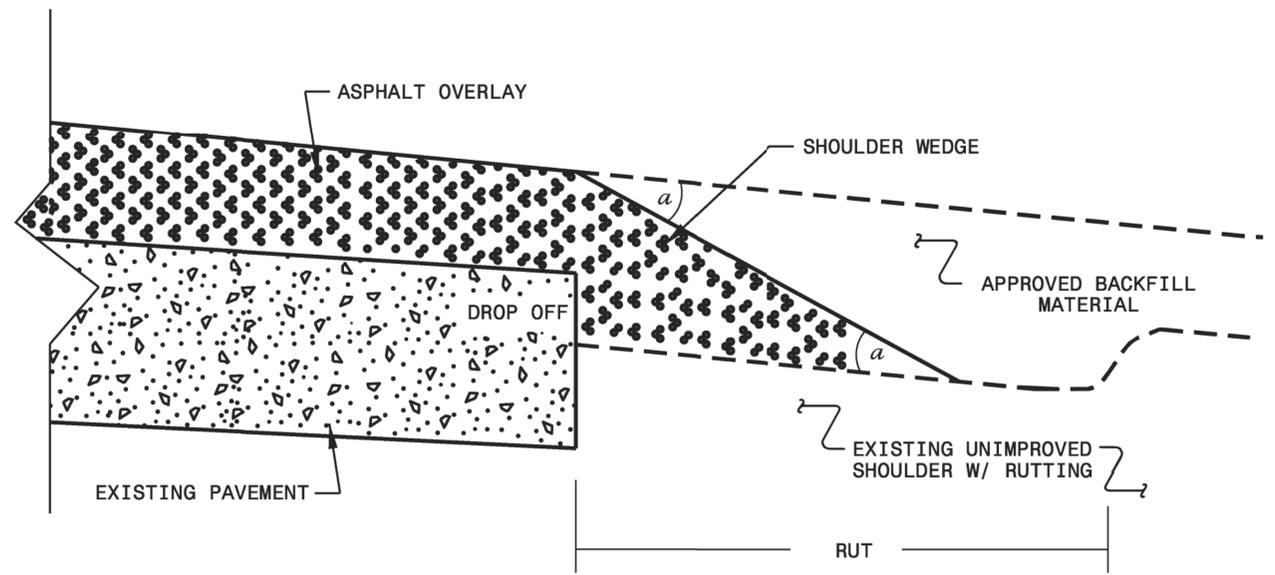
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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

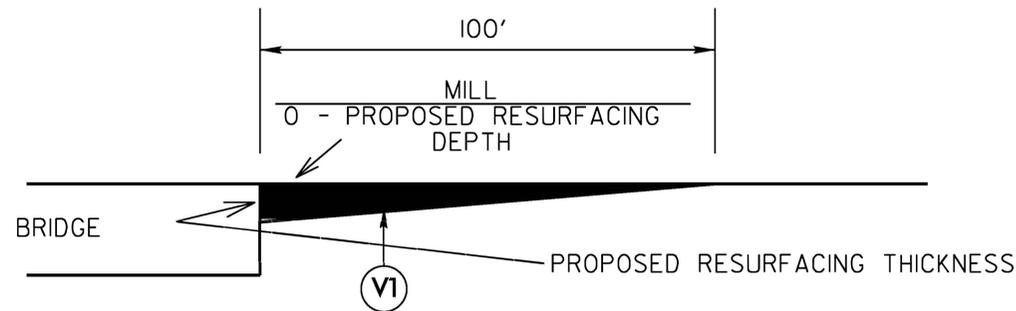
**SHOULDER WEDGE
 DETAILS**

ORIGINAL BY: T.SPELL DATE: 7-19-11
 MODIFIED BY: DATE: 10/10/12
 CHECKED BY: DATE:
 FILE SPEC.: s:\usr\det_a19\stand\shoulderwed_detail1.dwg

CONTRACT: DN01149

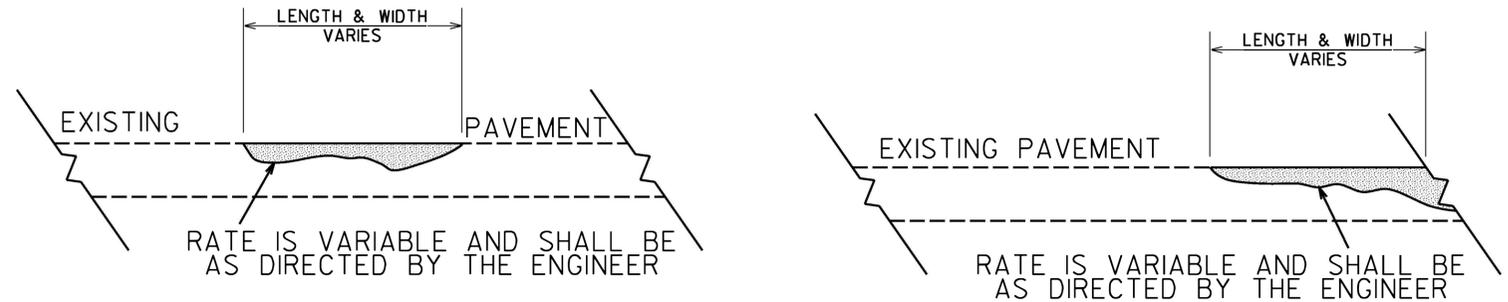
*****CONDITIONS*****

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.09.20441	11	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.09.20501			



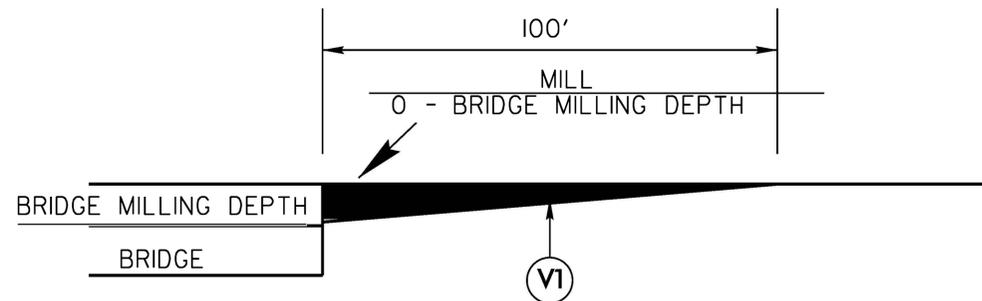
MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL NOT BE RESURFACED. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



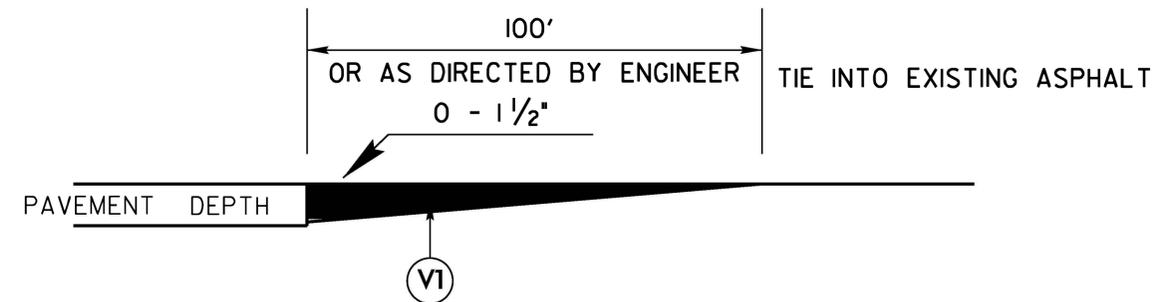
DETAIL SHOWING METHOD OF WEDGING

***PROPOSED WEDGE COURSE* (114 LBS PER SQ YARD PER 1" DEPTH)**



MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL BE MILLED THEN RESURFACED. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP. THIS WILL BE PAID FOR AS 1 1/2" MILLING.

CONTRACT: DN01149

09/08/09

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.14.09.20441, 2026CPT.14.09.20501	12	

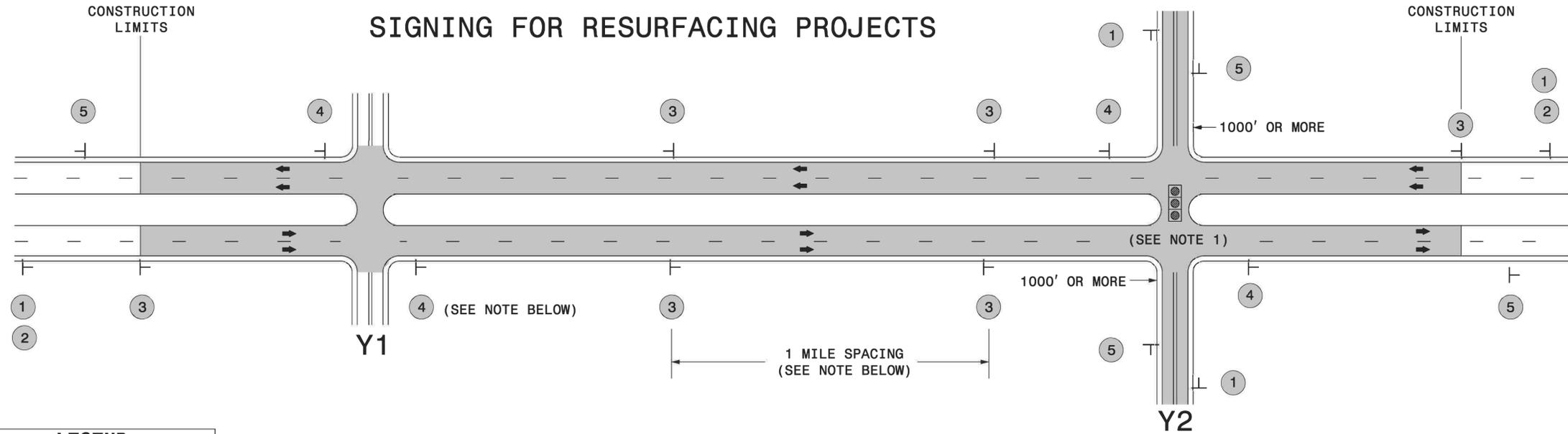
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1245000000-E	1260000000-E	1519000000-E	1520000000-E	1575000000-E	1704000000-E	
												SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	
												SMI	TON	TONS	TONS	TONS	TONS	
2026CPT.14.09.20441	Haywood	1	SR-1364 / COLEMAN MTN RD	FROM SR 1363 TO NC 209	1	2	2WU	1.190	21	2.840	4.030	2.40	357	1,259		89	158	
TOTAL FOR MAP NO. 1								1.190				2.40	357	1,259		89	158	
2026CPT.14.09.20441	Haywood	2	SR-1355 / PANTHER CREEK RD	FROM SR 1338 TO NC 209	1	2	2WD	7.950	20	0.000	7.950	15.80	2,385	8,182		588	1,167	
TOTAL FOR MAP NO. 2								7.950				15.80	2,385	8,182		588	1,167	
TOTAL FOR PROJ NO. 2026CPT.14.09.20441								9.140				18.20	2,742	9,441		677	1,325	
2026CPT.14.09.20501	Jackson	3	SR-1397 / THOMAS VALLEY RD	FROM SCL TO SR 1566	2	2	2WU	0.530	20	0.000	0.530	1.06	159		430	28		
TOTAL FOR MAP NO. 3								0.530				1.06	159		430	28		
2026CPT.14.09.20501	Jackson	4	SR-1397 / THOMAS VALLEY RD	FROM SR 1534 TO SR 1397	2	2	2WU	0.900	20	0.000	0.900	1.80	270		970	63		
TOTAL FOR MAP NO. 4								0.900				1.80	270		970	63		
2026CPT.14.09.20501	Jackson	5	SR-1002 / OLD CULLOWHEE RD	FROM NC 107 TO SR1732	1	2	2WU	3.120	22	0.000	3.120	6.24	936	3,258		255	898	
TOTAL FOR MAP NO. 5								3.120				6.24	936	3,258		255	898	
2026CPT.14.09.20501	Jackson	6	SR-1377 / SUTTON BRANCH RD	FROM EOP TO US 441 SOUTH	1	2	2WU	2.650	19	2.030	4.680	4.44	795	2,154		157	349	
TOTAL FOR MAP NO. 6								2.650				4.44	795	2,154		157	349	
TOTAL FOR PROJ NO. 2026CPT.14.09.20501								7.200				13.54	2,160	5,412		1,400	503	1,247
GRAND TOTAL								16.340				31.74	4,902	14,853		1,400	1,180	2,572

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.14.09.20441, 2026CPT.14.09.20501	13	

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	4720000000-E	4890000000-E				4895000000-N		
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	THERMO RXR 90 M	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 60 MIL	YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 60 MIL	WHITE HOT SPRAY THERMO (24", 60 MILS)	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (16", 50 MILS)	INLAID RAISED PAVEMENT MARKERS		
								MI	FT			SF	LS	EA	LF	LF	LF	LF	EA		
2026CPT.14.09.20441	Haywood	1	SR-1364 / COLEMAN MTN RD	FROM SR 1363 TO NC 209	1	2	2WU	1.19	21	2.84	4.03	134	0.08		12,240	12,240	50				
TOTAL FOR MAP NO. 1								1.19				134	0.08		12,240	12,240	50				
2026CPT.14.09.20441	Haywood	2	SR-1355 / PANTHER CREEK RD	FROM SR 1338 TO NC 209	1	2	2WD	7.95	20	0	7.95	885	0.50		83,490	83,490					
TOTAL FOR MAP NO. 2								7.95				885	0.50		83,490	83,490					
TOTAL FOR PROJ NO. 2026CPT.14.09.20441								9.14				1,019	0.57		95,730	95,730		50			
															191,510						
2026CPT.14.09.20501	Jackson	3	SR-1397 / THOMAS VALLEY RD	FROM SCL TO SR 1566	2	2	2WU	0.53	20	0	0.53	60	0.02		5,484	5,484					
TOTAL FOR MAP NO. 3								0.53				60	0.02		5,484	5,484					
2026CPT.14.09.20501	Jackson	4	SR-1397 / THOMAS VALLEY RD	FROM SR 1534 TO SR 1397	2	2	2WU	0.9	20	0	0.9	101	0.05	3	10,080	10,080	25	50			
TOTAL FOR MAP NO. 4								0.9				101	0.05	3	10,080	10,080	25	50			
2026CPT.14.09.20501	Jackson	5	SR-1002 / OLD CULLOWHEE RD	FROM NC 107 TO SR1732	1	2	2WU	3.12	22	0	3.12	350	0.22		32,975	32,975			275.00		
TOTAL FOR MAP NO. 5								3.12				350	0.22		32,975	32,975			275		
2026CPT.14.09.20501	Jackson	6	SR-1377 / SUTTON BRANCH RD	FROM EOP TO US 441 SOUTH	1	2	2WU	2.65	19	2.03	4.68	250	0.14		23,450	23,450					
TOTAL FOR MAP NO. 6								2.65				250	0.14		23,450	23,450					
TOTAL FOR PROJ NO. 2026CPT.14.09.20501								7.2				761	0.43	3	71,989	71,989	25	50	275.00		
															144,053						
GRAND TOTAL								16.34				1,780	1.000	3	167,719	167,719	75	50	275.00		
															335,563						



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.
	②	 W7-3aP 24" X 18"	#2 SIGN ONLY USED WHEN RESURFACING 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"	PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.
	④	 SP 13106 48" X 48"	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.
	⑤	 G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

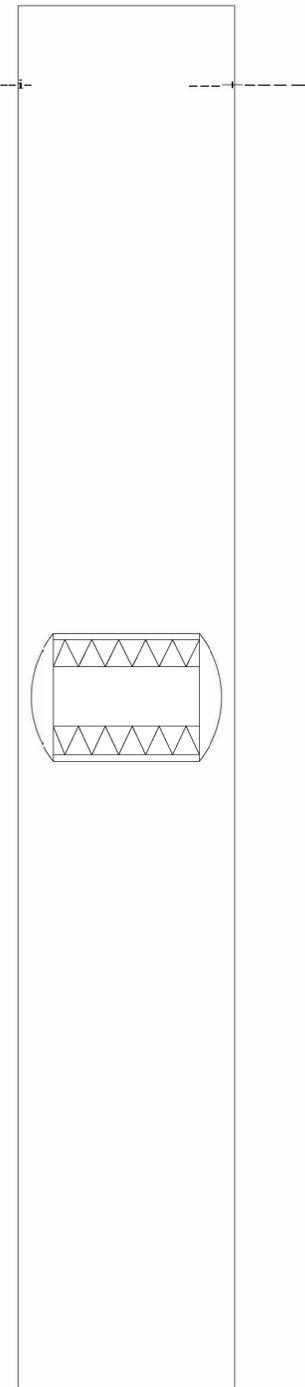
NOTES:

- 1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.

**RESURFACING
 ADVANCE WARNING SIGNS
 FOR RURAL AND SUBURBAN
 MULTI-LANE ROADWAYS
 W/ SHOULDER SECTIONS**

PLAN VIEW

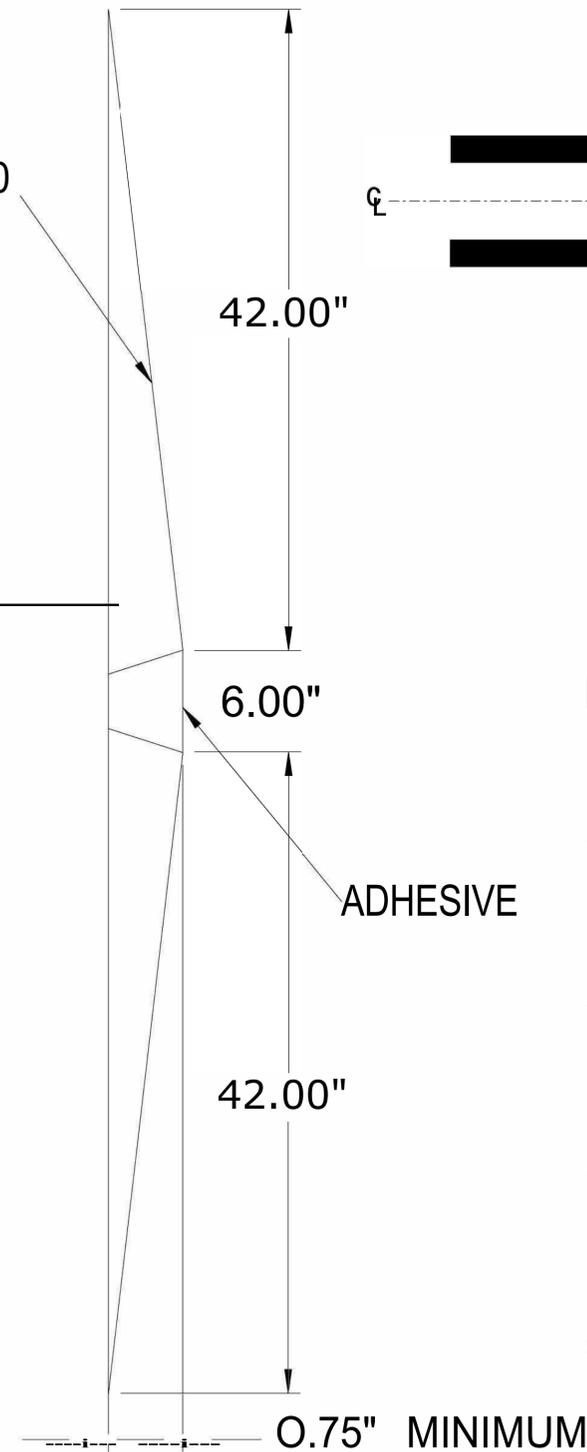
WIDTH OF
MARKER +0.50"



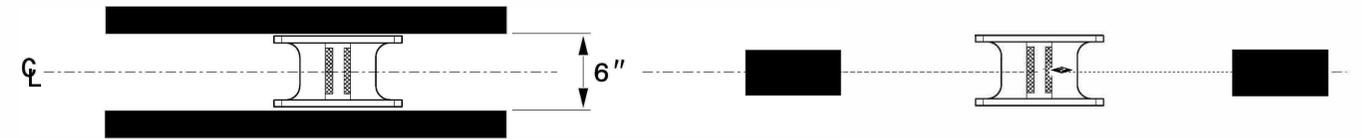
SECTION VIEW

ANGLE = 1.0

TOP OF
PAVEMENT



MARKER SPACING



Signed by:

Matthew V. Springer, PE

BC60F6E8B584403...

NOTES:

1. THE PAVEMENT SHALL BE SAW CUT TO THE DIMENSIONS SHOWN.
2. THE SAW CUT AREA MUST BE DRY AND FREE OF DUST, DIRT OR ANY MATERIAL WHICH WILL ADVERSELY AFFECT THE BOND OF THE ADHESIVE.
3. INSTALL MARKERS WITH APPROVED ADHESIVE. ADHESIVE SHOULD NOT BE ALLOWED TO BUILD UP IN FRONT OF MARKER LENS.
4. THE MARKER AND THE ADHESIVE PAD SHALL NOT EXCEED THE TOP OF THE PAVEMENT SURFACE. DEPTH = 0.75" MINIMUM.
5. RECESSED MARKERS INSTALLED ON CONCRETE PAVEMENT SHOULD BE INSTALLED A MINIMUM OF 2" FROM THE PAVEMENT JOINT OR EDGE

CONTRACTS STANDARDS AND DEVELOPMENT UNIT

Office 919-707-8950 FAX 919-250-4119

DETAIL OF INLAID RAISED PAVEMENT MARKER

ORIGINAL BY: rgwatson DATE: 02-06-2024
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: _____