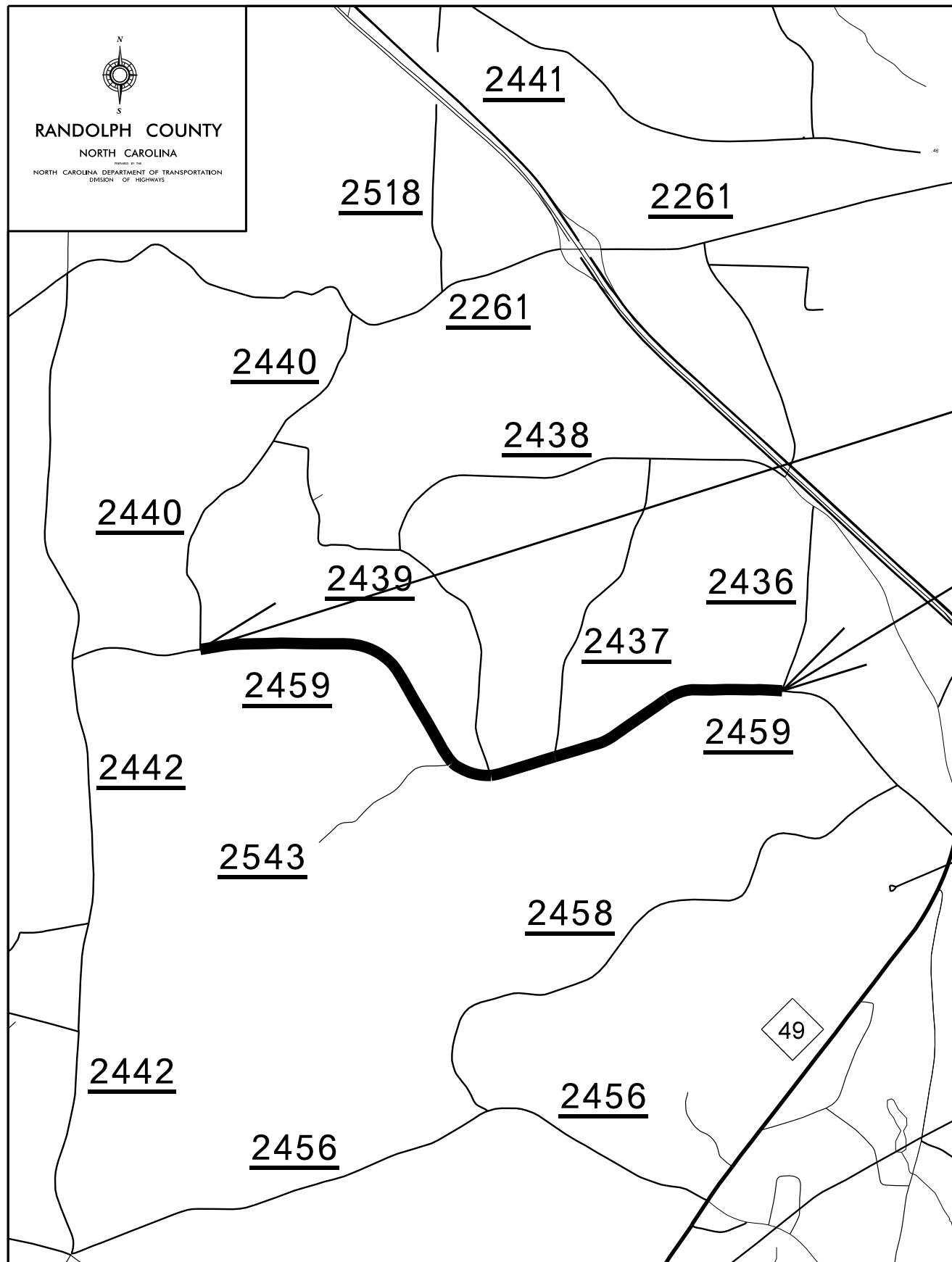


RANDOLPH COUNTY RESURFACING

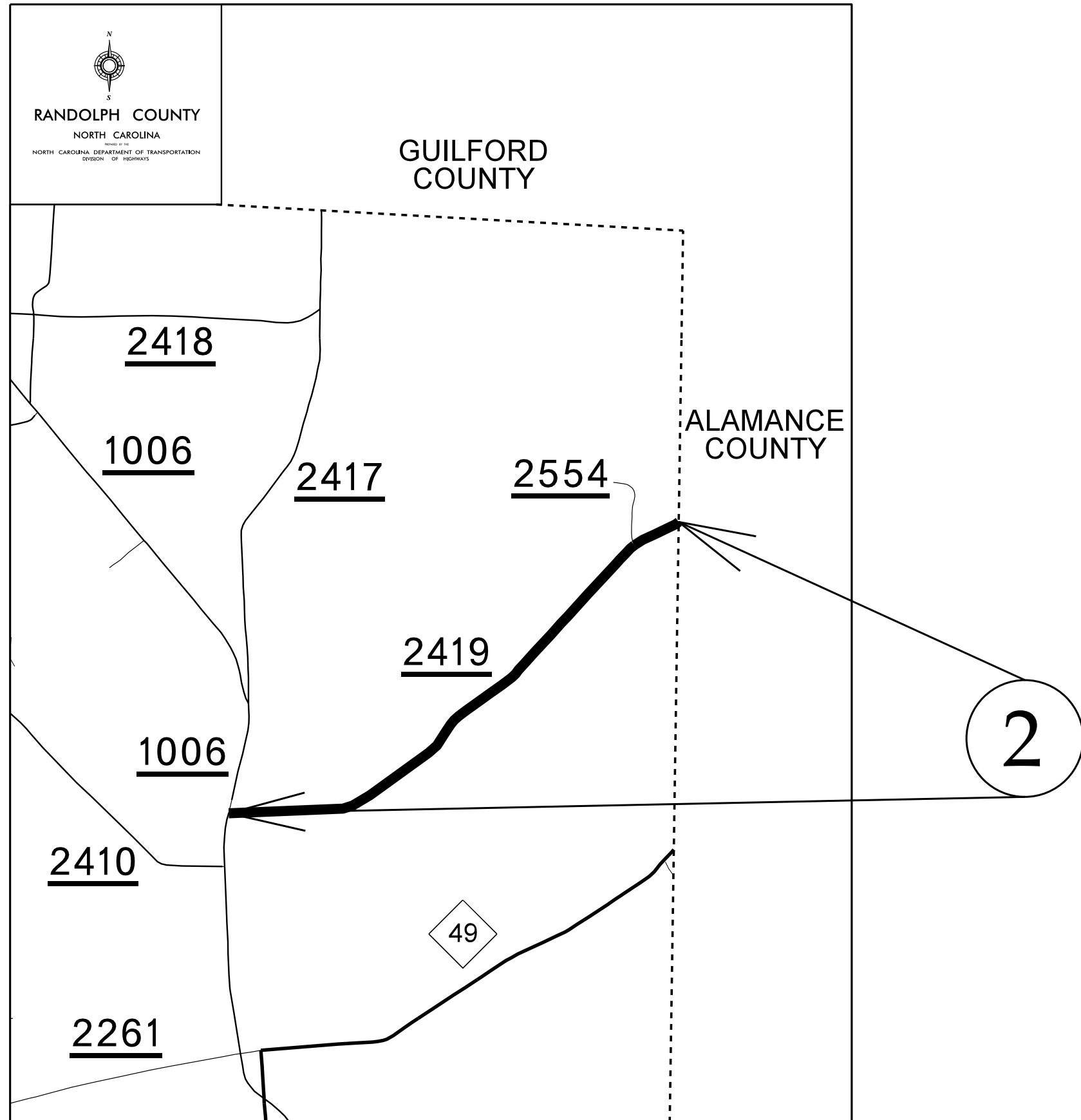
040397

08 DEC 2023 09:57 February 2024 - Contract - 3 - Randolph - February 2024 - Maps - 1 - up 3.dgn

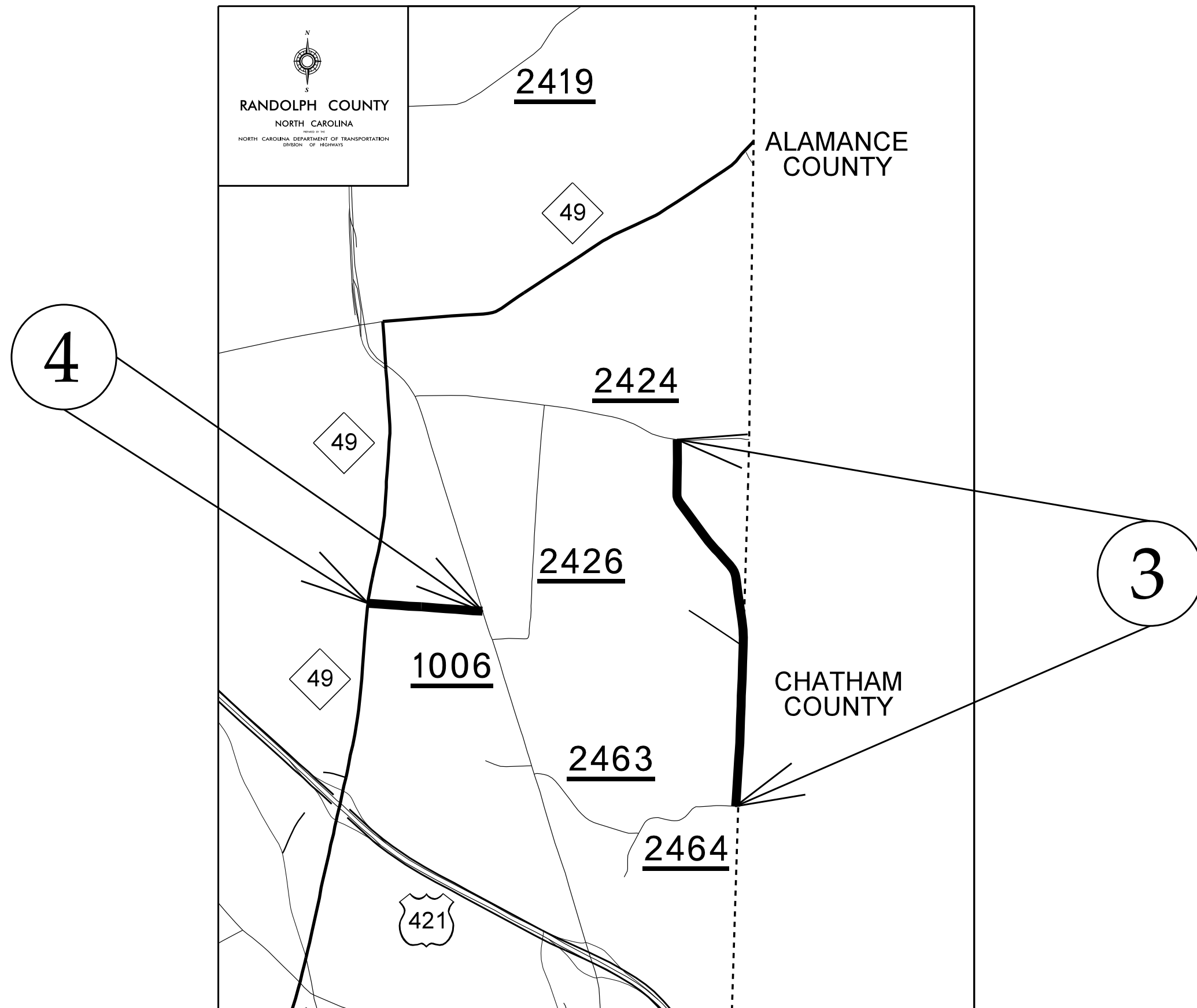
Map 1



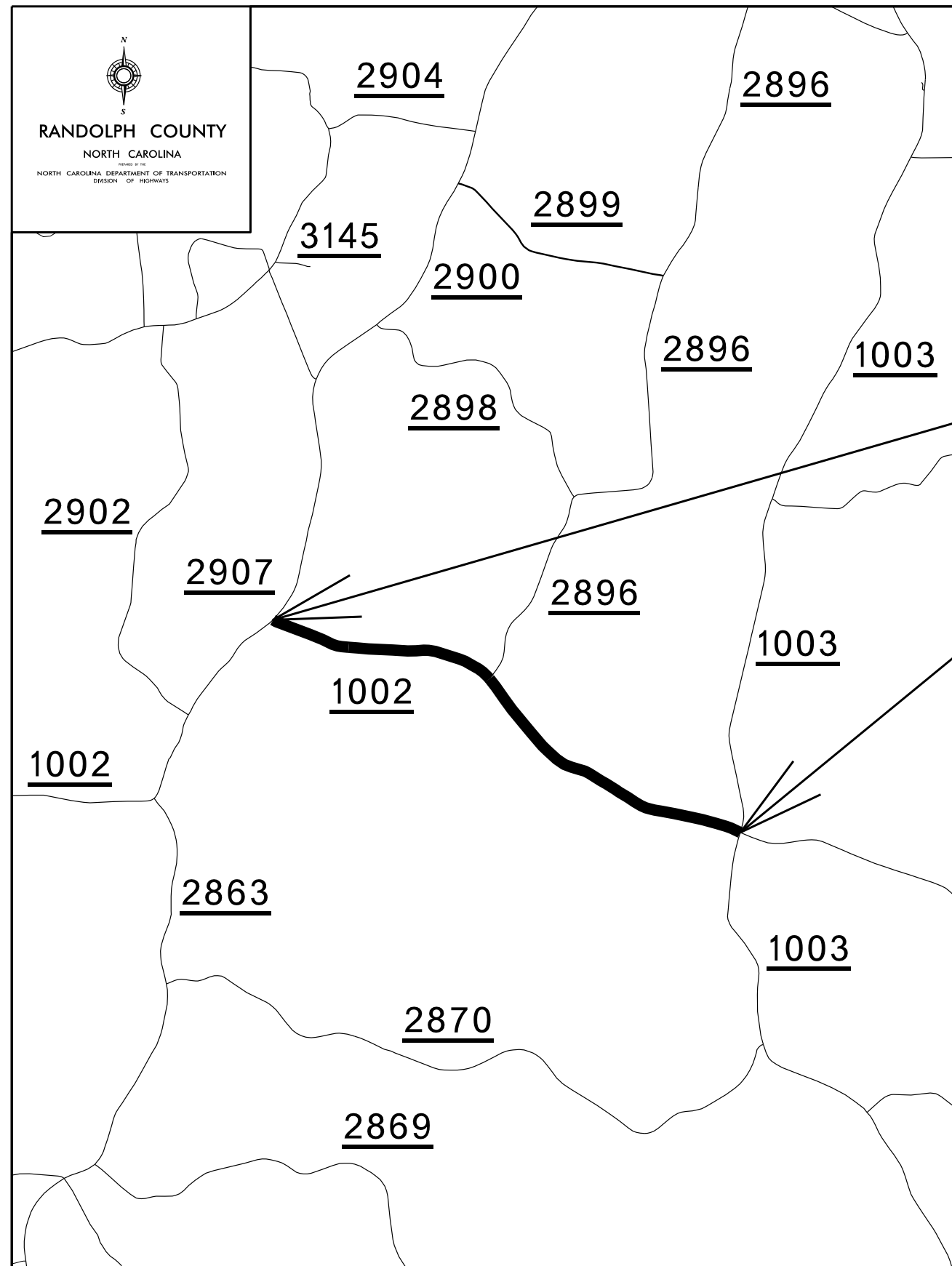
Map 2



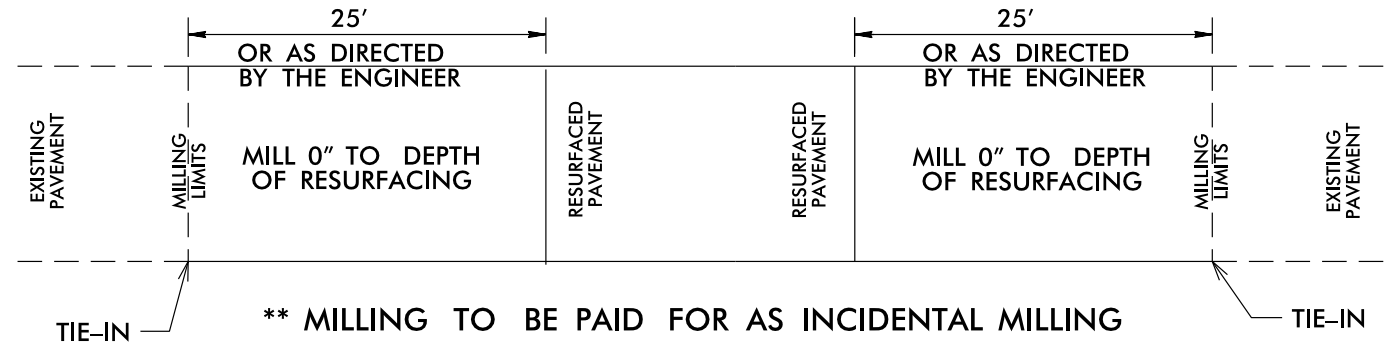
Maps 3 and 4



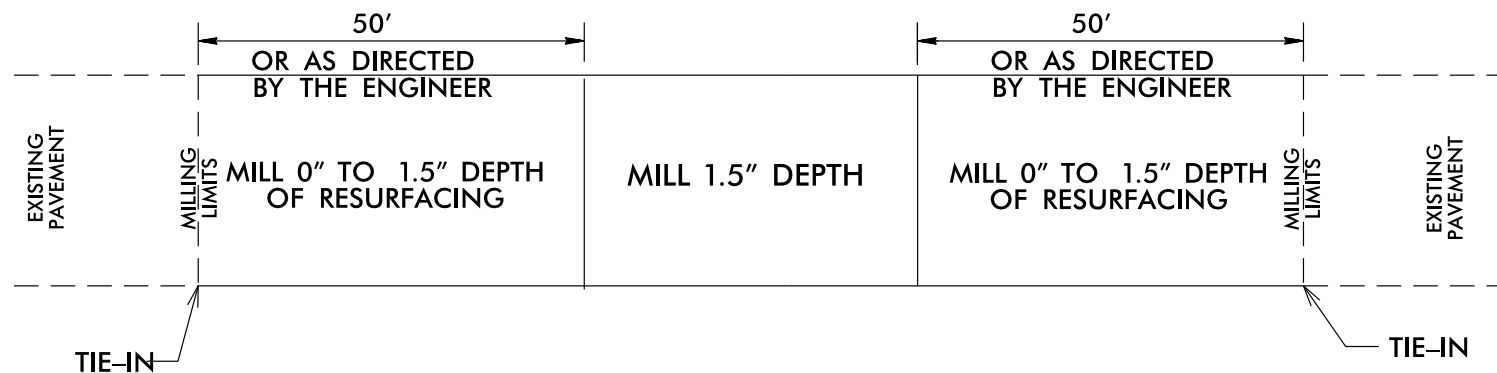
Map 5



PAVEMENT TIE-IN DETAIL



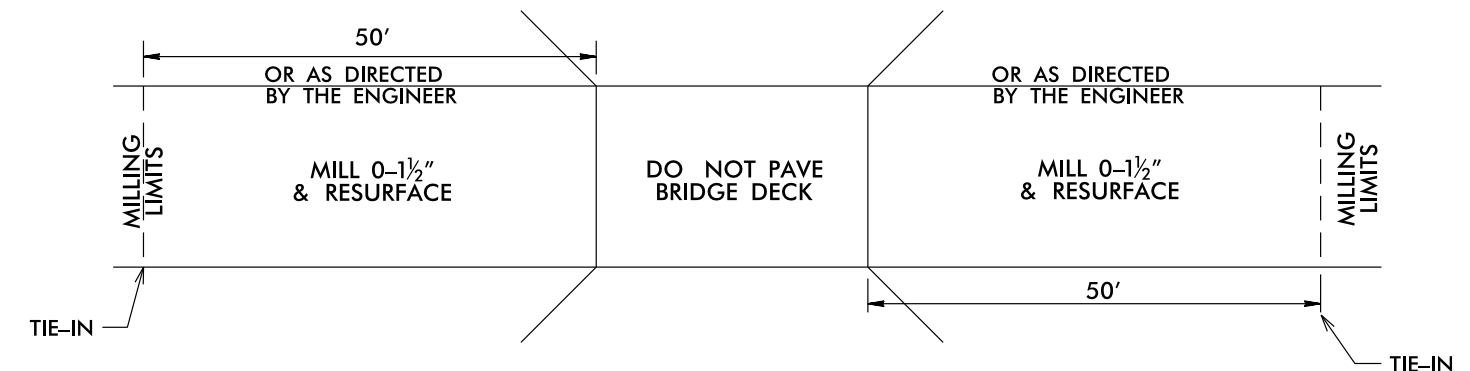
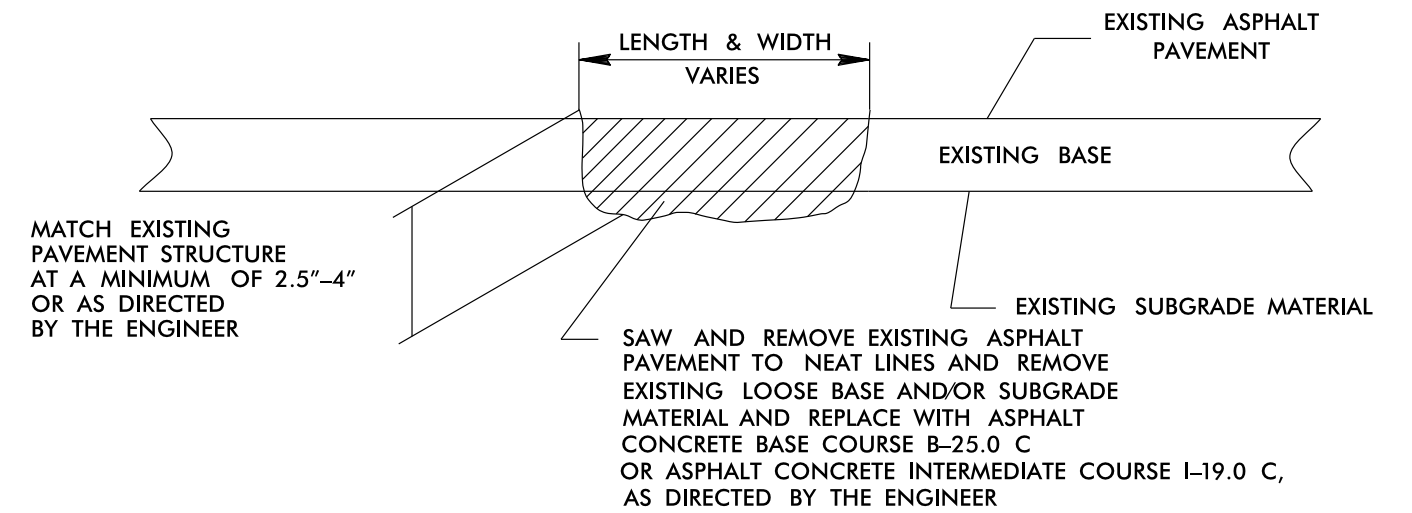
** MILLING TO BE PAID FOR AS INCIDENTAL MILLING



* MILLING SHALL BE PAID FOR UNDER INCIDENTAL MILLING

**BRIDGE DRAWING FOR
MAP #5 FORK CREEK MILL RD BRIDGE #384**

DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING



* MILLING FOR APPROACHES SHALL BE PAID FOR UNDER INCIDENTAL MILLING

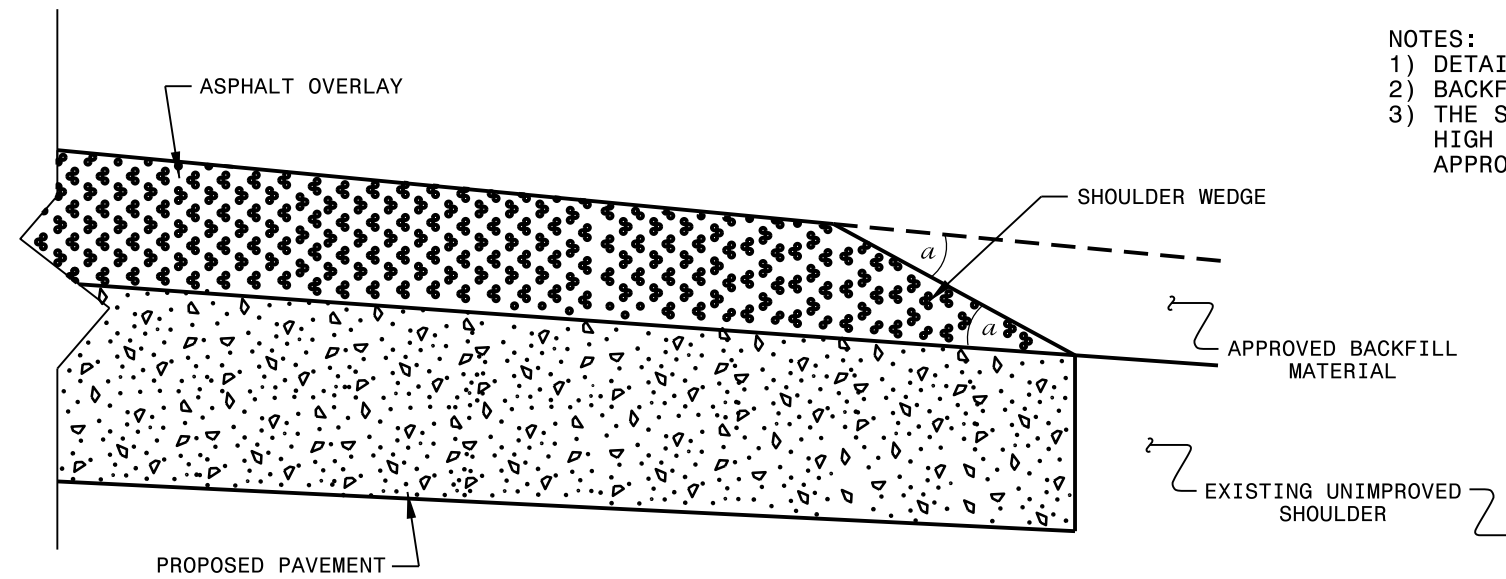
**BRIDGE DRAWING FOR
MAP #6 ERECT RD BRIDGE #190**

PROJECT NOTES

- ONE COAT OF PAINT MARKINGS TO BE APPLIED ON ALL MAPS. PERMANENT MARKINGS TO BE HANDLED ON A LATER PROJECT.

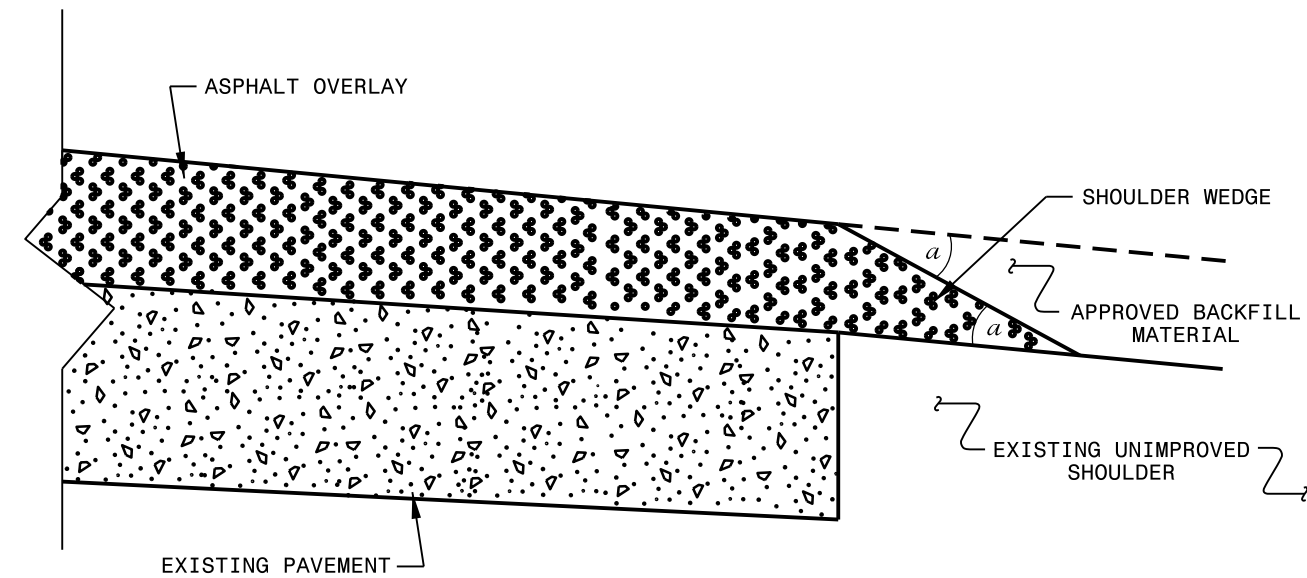
NOTES:

- 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, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



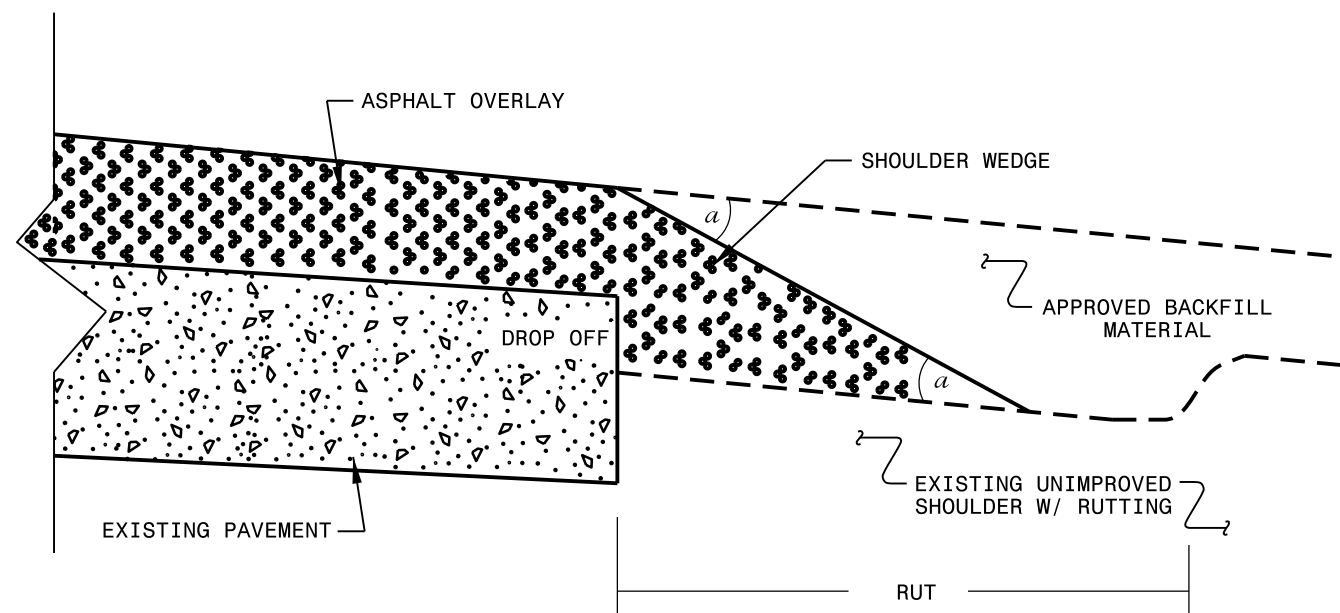
SHOULDER WEDGE DETAIL

(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: 2/2/16	
CHECKED BY:	DATE:	
FILE SPEC.: szusr/details/stand/shoulderwedgedetail.dgn		

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.08.14.20761	10	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	1775500000-E	1838000000-E	1838500000-N	2143000000-E
														SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK	BLOTTING SAND
											MI	FT												
2024CPT.08.14.20761	Randolph	1	SR-2459 / SANDY CREEK CHURCH RD	FROM SR 2436 (WALL RD) TO SR 2440 (BROWER MEADOW RD)	1	2	2WU	NO	NO	2.83	23	1	3.83	5.66	795		1,040	3,545	244	276				
TOTAL FOR MAP NO. 1										2.83				5.66	795		1,040	3,545	244	276				
2024CPT.08.14.20761	Randolph	2	SR-2419 / E BUTLER AVE	FROM SR 1006 (N GREENSBORO ST) TO ALAMANCE COUNTY LINE	2	2	2WU	NO	NO	2.16	23	0	2.16	4.32	607		1,820	2,415	164	150	29,274	11,710	1.00	5
TOTAL FOR MAP NO. 2										2.16				4.32	607		1,820	2,415	164	150	29,274	11,710	1.00	5
2024CPT.08.14.20761	Randolph	3	SR-2425 / FLYNT RD	FROM SR 2424 (SILK HOPE RD) TO SR 2464 (PIKE FARM RD)	1	2	2WU	NO	NO	1.672	21	0	1.672	3.00	469		260	1,907	136	250				
TOTAL FOR MAP NO. 3										1.672				3.00	469		260	1,907	136	250				
2024CPT.08.14.20761	Randolph	4	SR-2427 / KINRO RD	FROM SR 1006 (OLD 421 RD) TO NC 49	2	2	2WU	NO	NO	0.498	20	0	0.498	1.00	140		520	612	47	150	5,867	2,347	0.15	1
TOTAL FOR MAP NO. 4										0.498				1.00	140		520	612	47	150	5,867	2,347	0.15	1
2024CPT.08.14.20761	Randolph	5	SR-1002 / FORK CREEK MILL RD	FROM SR 1003 (ERECT RD) TO SR 2907 (LITTLE BEANE STORE RD)	1	2	2WU	NO	NO	2.242	20	6.79	9.032	5.00	635	150	650	2,507	173	200				
TOTAL FOR MAP NO. 5										2.242				5.00	635	150	650	2,507	173	200				
2024CPT.08.14.20761	Randolph	6	SR-1003 / ERECT RD	FROM SR 1002 (FORK CREEK MILL RD) TO NC 42	2	2	2WU	NO	NO	5.13	21	3.56	8.69	10.00	1,441		910	5,875	401	400	63,203	25,290	3.00	10
TOTAL FOR MAP NO. 6										5.13				10.00	1,441		910	5,875	401	400	63,203	25,290	3.00	10
TOTAL FOR PROJ NO. 2024CPT.08.14.20761										14.532				28.98	4,087	150	5,200	16,861	1,165	1,426	98,344	39,347	4.15	16
GRAND TOTAL										14.532				28.98	4,087	150	5,200	16,861	1,165	1,426	98,344	39,347	4.15	16

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.08.14.20761	11	

THERMOPLASTIC AND PAINT QUANTITIES

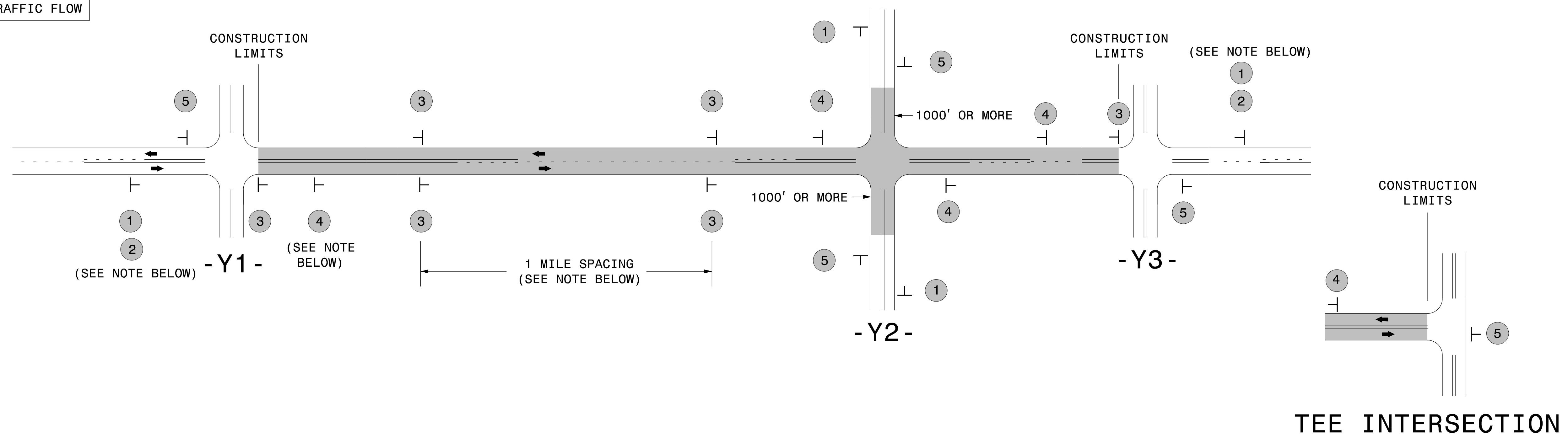
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4810000000-E		4830000000-E	4835000000-E	4840000000-N	4850000000-E	
								MI	FT			WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" WHITE PAINT	4" YELLOW PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	4" LINE REMOVAL	
													SF	LS	LF	LF	LF	LF	EA	LF
2024CPT.08.14.20761	Randolph	1	SR-2459 / SANDY CREEK CHURCH RD	FROM SR 2436 (WALL RD) TO SR 2440 (BROWER MEADOW RD)	1	2	2WU	2.83	23	1	3.83	317			15,022	15,022				
TOTAL FOR MAP NO. 1								2.83				317			15,022	15,022				
2024CPT.08.14.20761	Randolph	2	SR-2419 / E BUTLER AVE	FROM SR 1006 (N GREENSBORO ST) TO ALAMANCE COUNTY LINE	2	2	2WU	2.16	23	0	2.16	242			11,545	11,545				
TOTAL FOR MAP NO. 2								2.16				242			11,545	11,545				
2024CPT.08.14.20761	Randolph	3	SR-2425 / FLYNT RD	FROM SR 2424 (SILK HOPE RD) TO SR 2464 (PIKE FARM RD)	1	2	2WU	1.672	21	0	1.672	188			8,818	8,818				
TOTAL FOR MAP NO. 3								1.672				188			8,818	8,818				
2024CPT.08.14.20761	Randolph	4	SR-2427 / KINRO RD	FROM SR 1006 (OLD 421 RD) TO NC 49	2	2	2WU	0.498	20	0	0.498	56			2,640	2,640	150	95	6	
TOTAL FOR MAP NO. 4								0.498				56			2,640	2,640	150	95	6	
2024CPT.08.14.20761	Randolph	5	SR-1002 / FORK CREEK MILL RD	FROM SR 1003 (ERECT RD) TO SR 2907 (LITTLE BEANE STORE RD)	1	2	2WU	2.242	20	6.79	9.032	254			11,932	11,932				
TOTAL FOR MAP NO. 5								2.242				254			11,932	11,932				
2024CPT.08.14.20761	Randolph	6	SR-1003 / ERECT RD	FROM SR 1002 (FORK CREEK MILL RD) TO NC 42	2	2	2WU	5.13	21	3.56	8.69	580			27,087	27,087				912
TOTAL FOR MAP NO. 6								5.13				580			27,087	27,087				912
TOTAL FOR PROJ NO. 2024CPT.08.14.20761								14.532				1,637	1	77,044	77,044	150	95	6,000	912	
													154,088							
GRAND TOTAL								14.532				1,637	1	77,044	77,044	150	95	6,000	912	
													154,088							

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 <small>W20-1 48" X 48"</small>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.		
	2	 <small>W7-3aP 24" X 18"</small>	#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	 <small>SP 13107 48" X 48"</small>	- 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	 <small>SP 13106 48" X 48"</small>	- 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	 <small>G20-2 A 48" X 24"</small>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.		

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

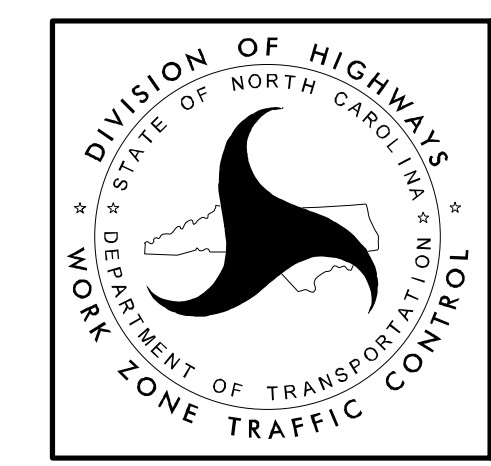
- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

 <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER.	 <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER.
--	--

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