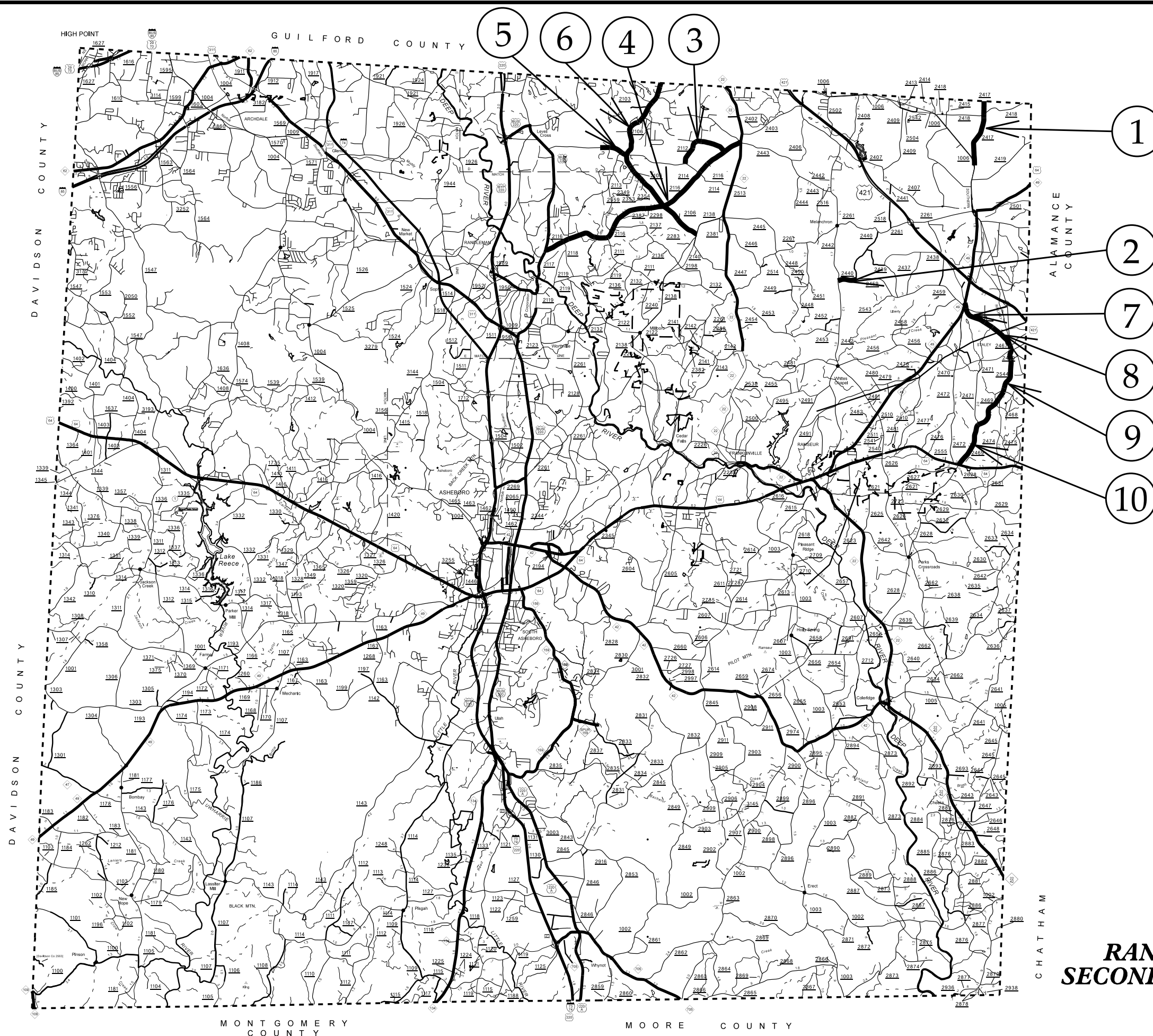
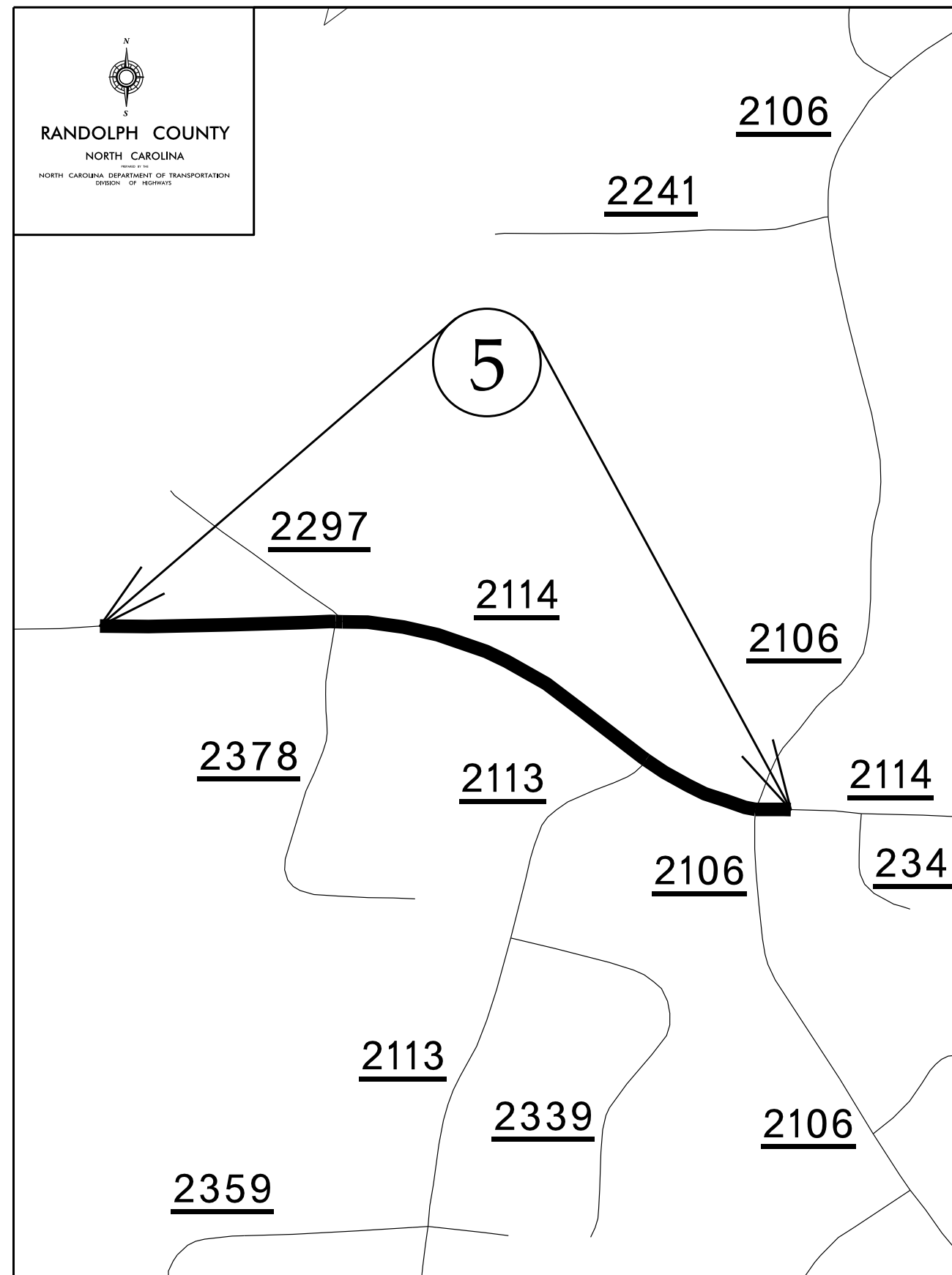
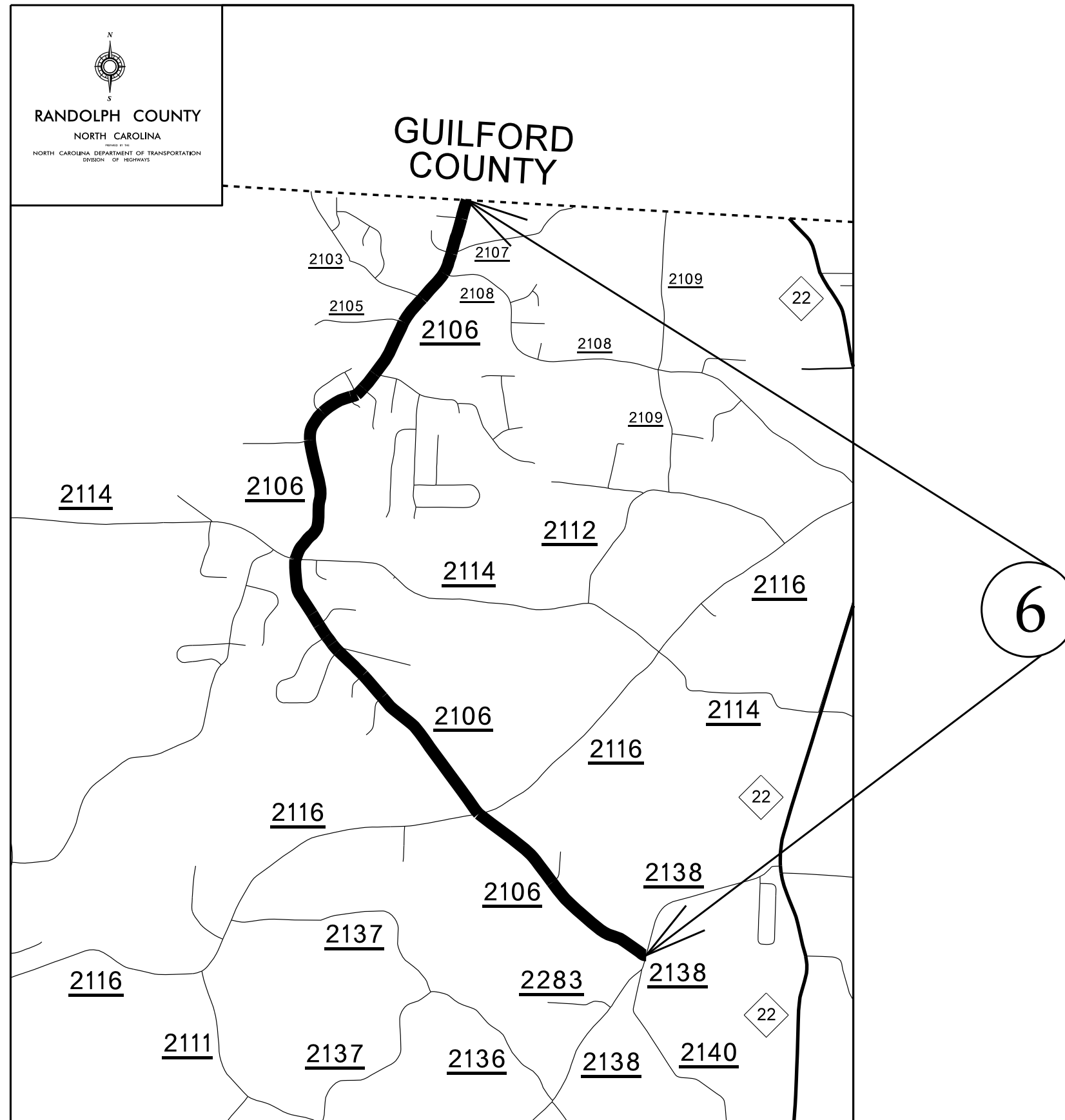


RANDOLPH COUNTY SECONDARY RESURFACING

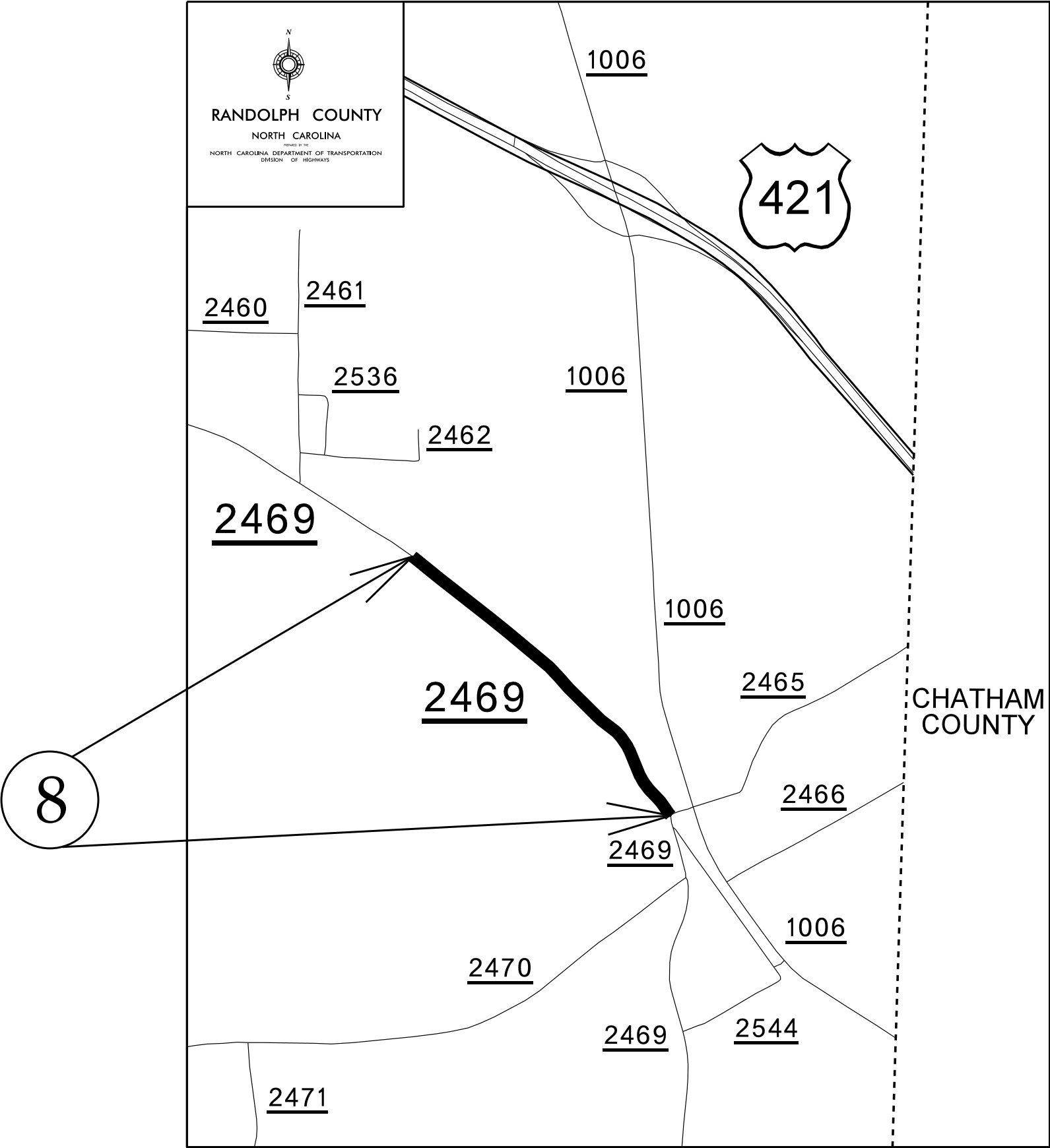
Map 5



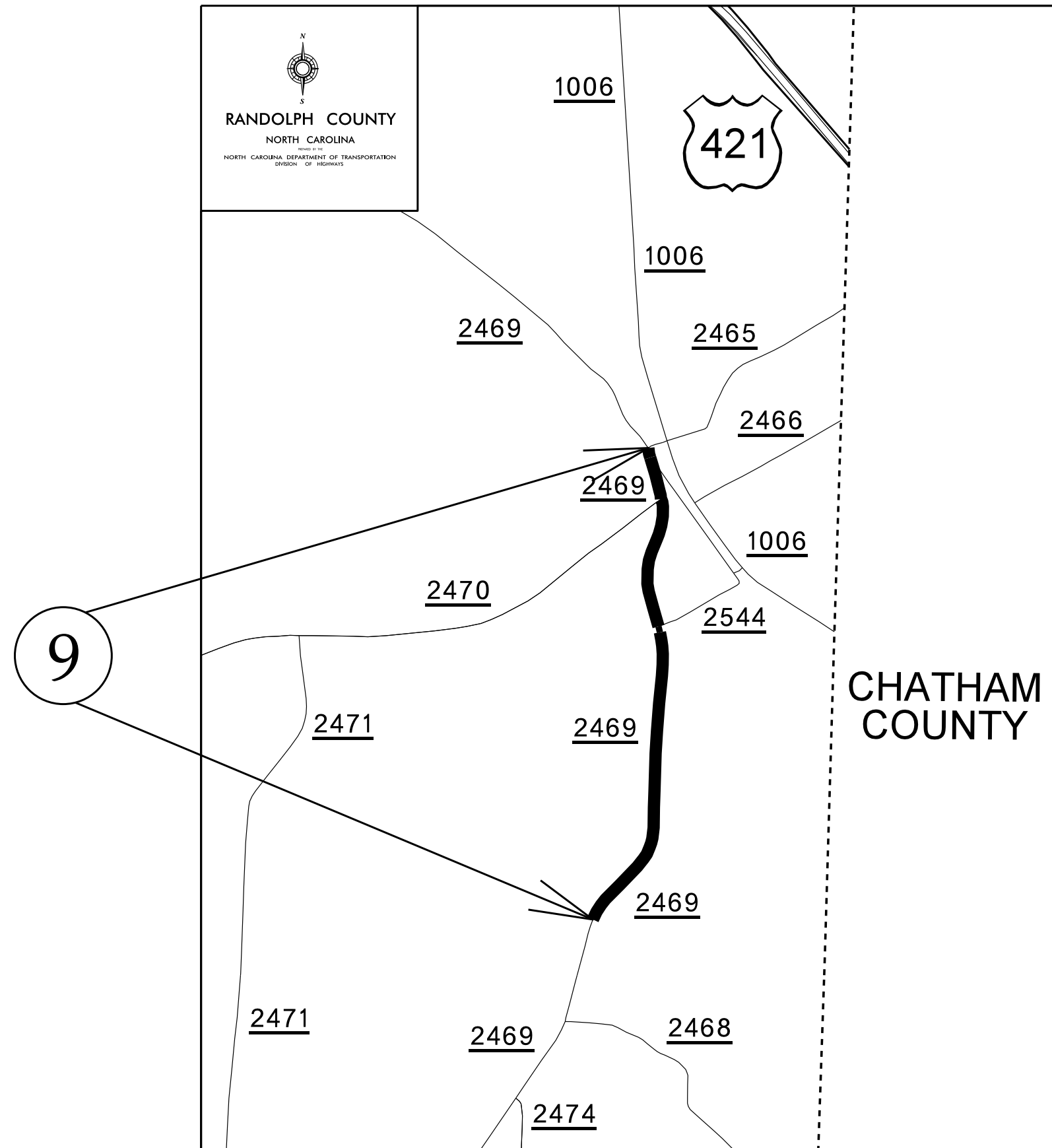
Map 6



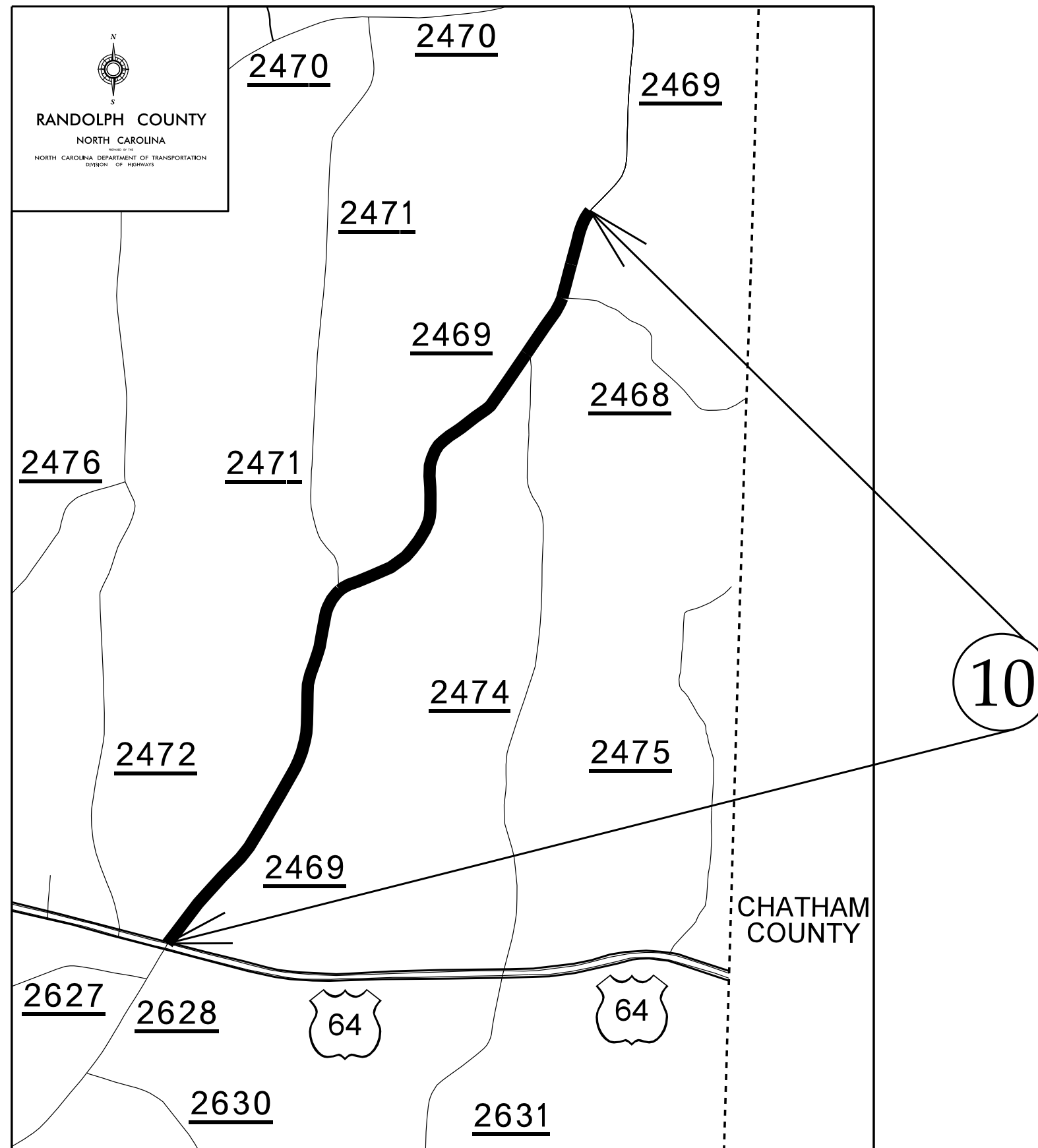
Map 8

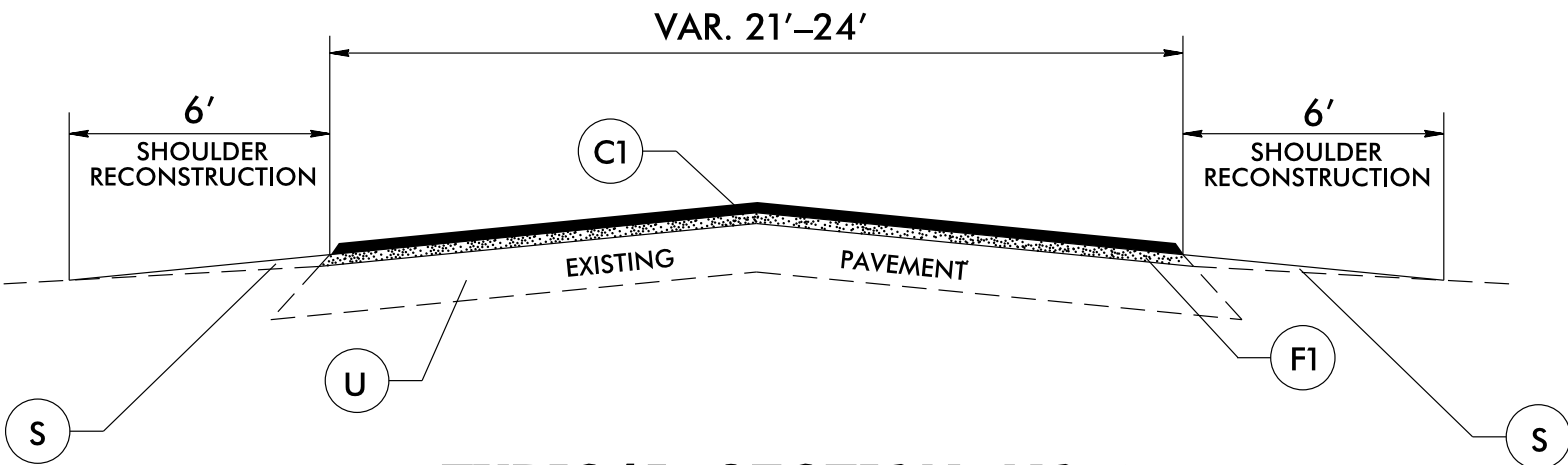


Map 9

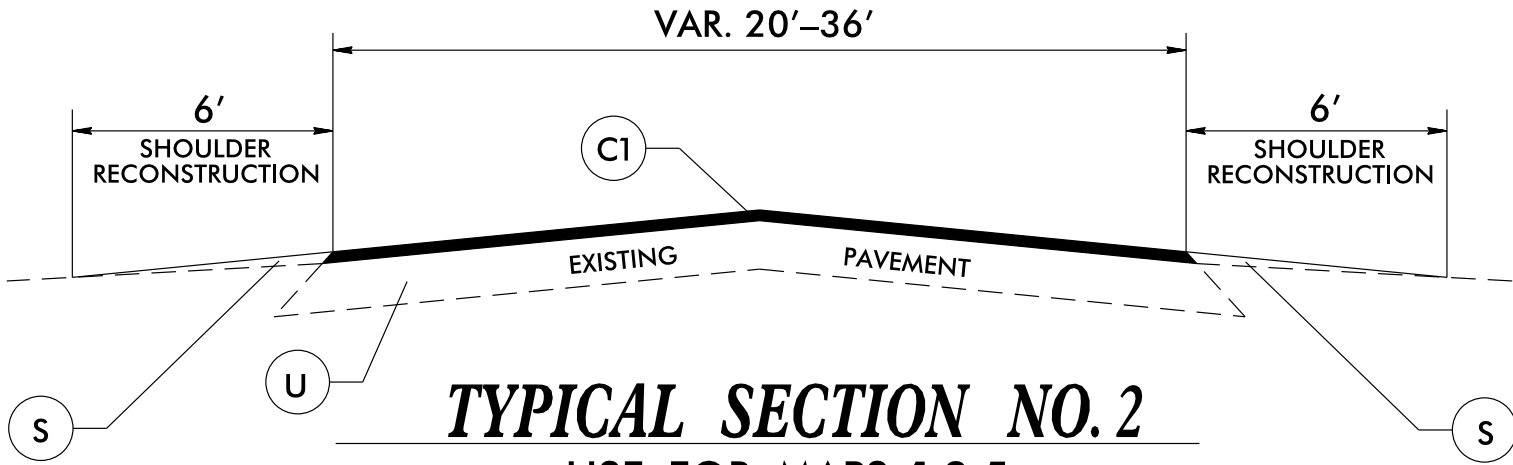


Map 10





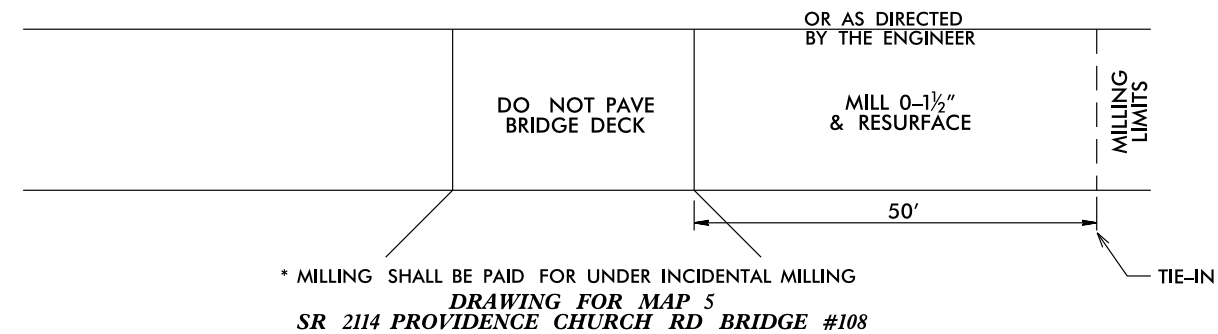
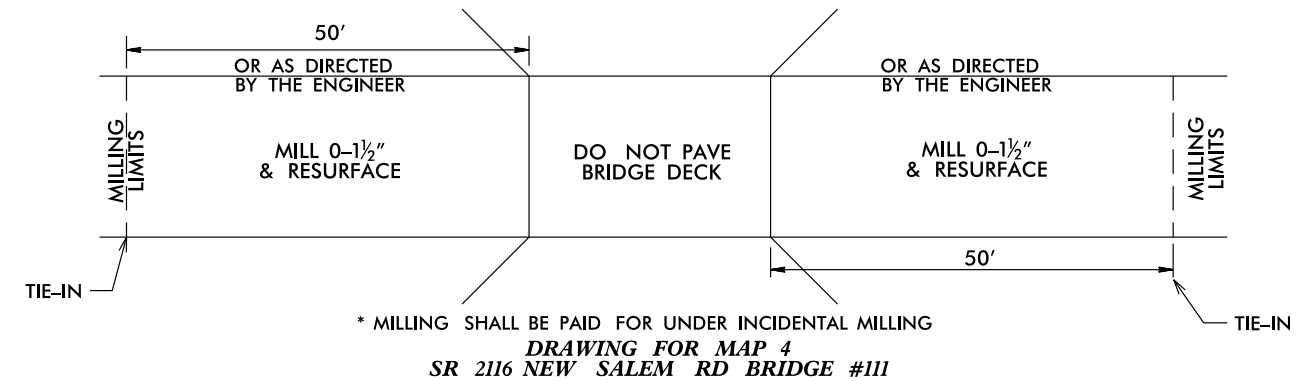
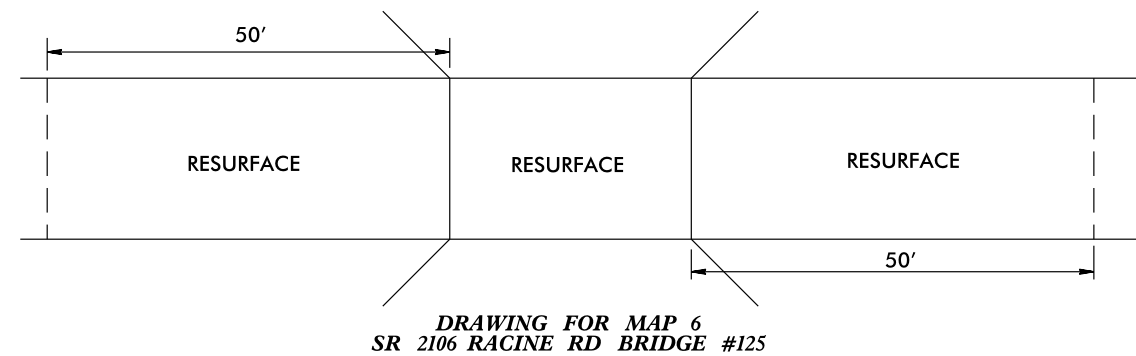
TYPICAL SECTION NO. 1
USE FOR MAPS 3,4,6,7,8,9,10



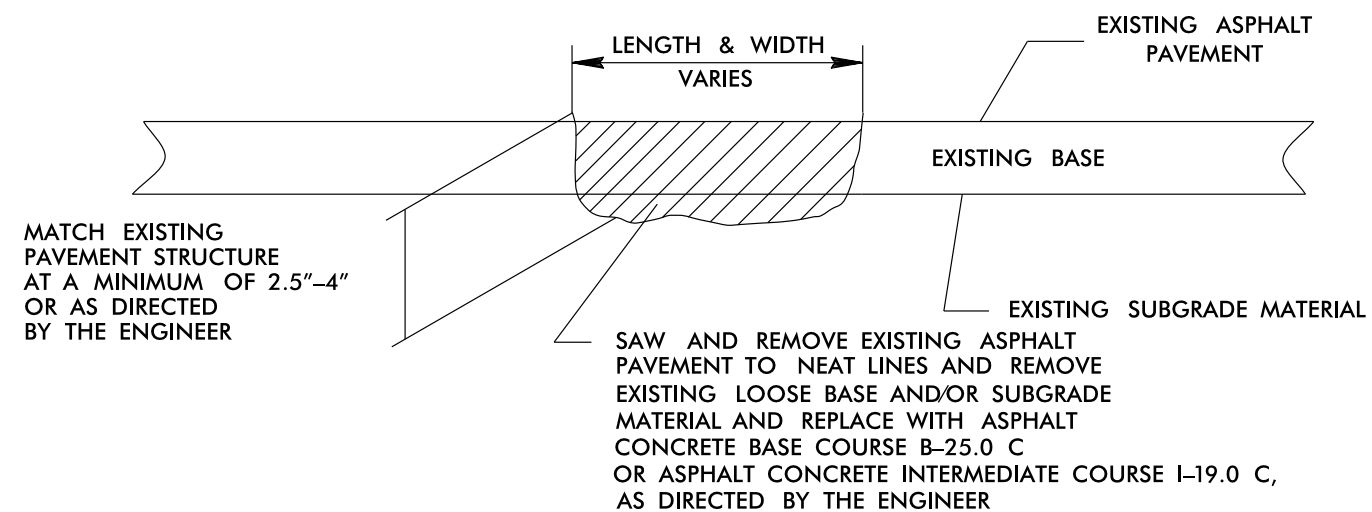
TYPICAL SECTION NO. 2
USE FOR MAPS 1,2,5

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
F1	PROP. ASPHALT SURFACE TREATMENT, MAT COAT #67 STONE
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT

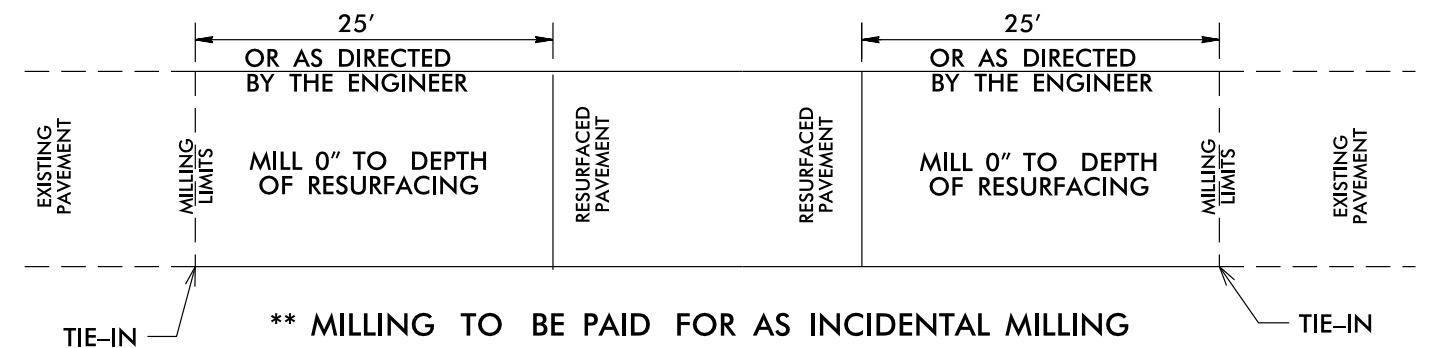
DETAILS

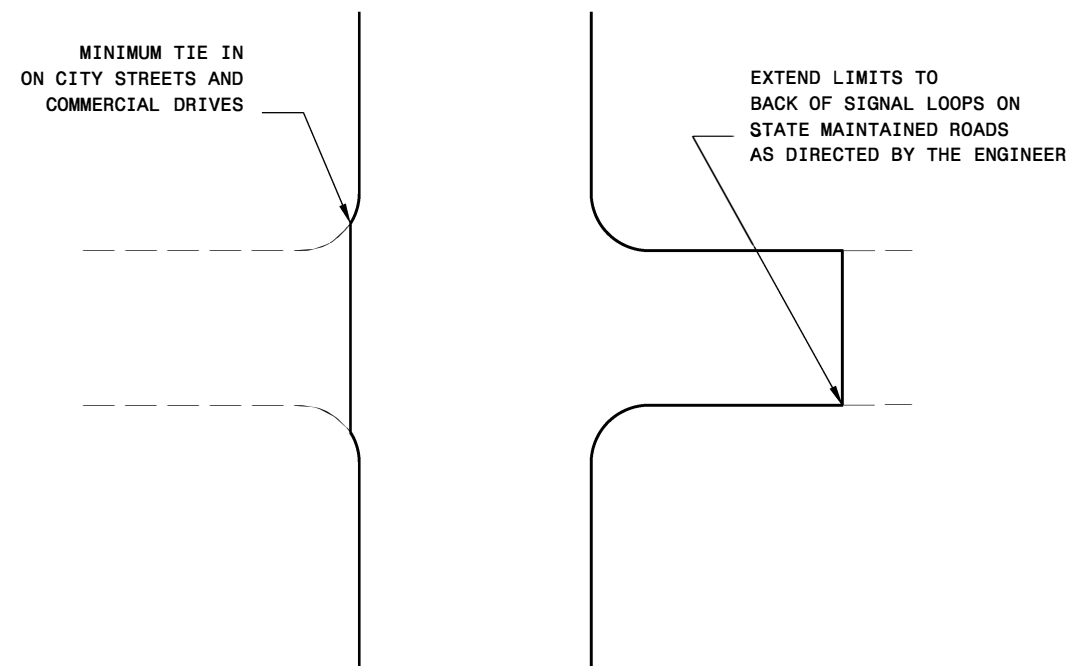


DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING

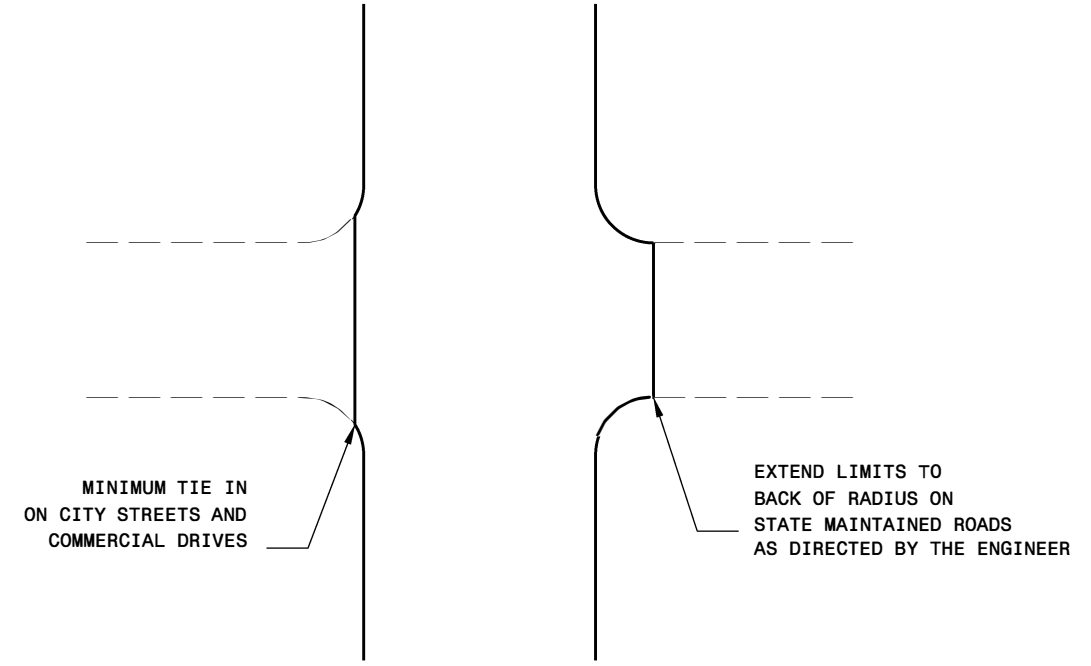


PAVEMENT TIE-IN DETAIL





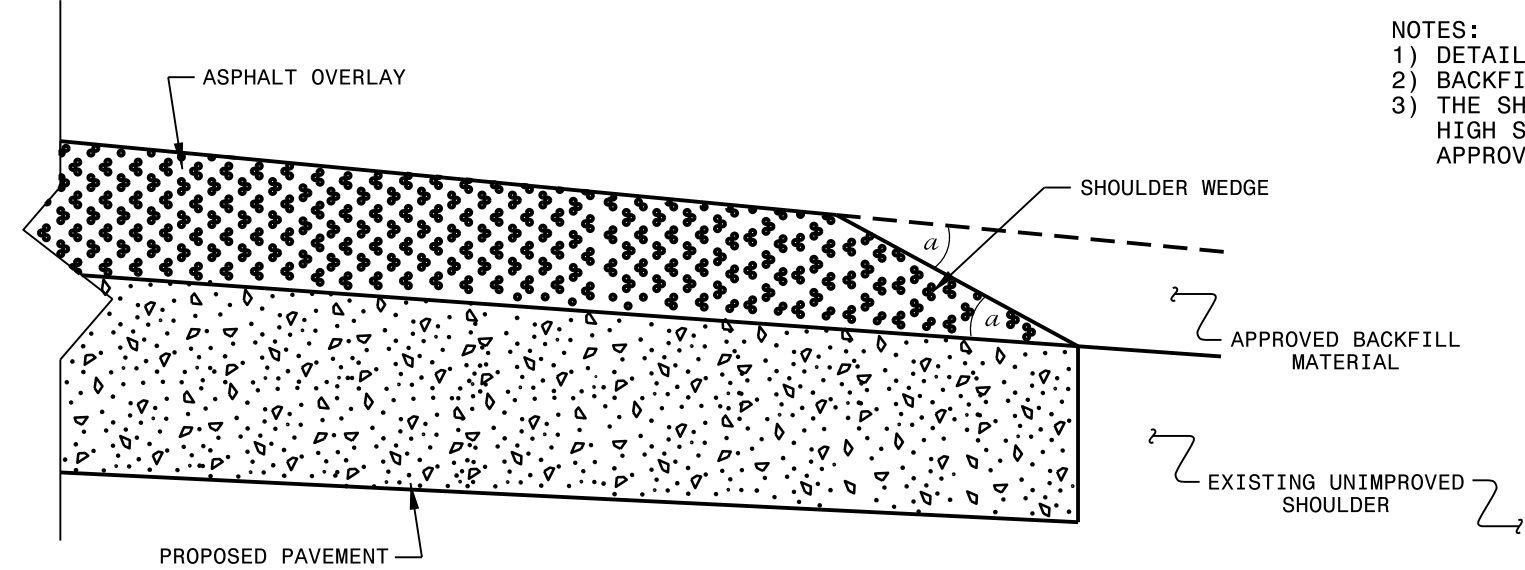
TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



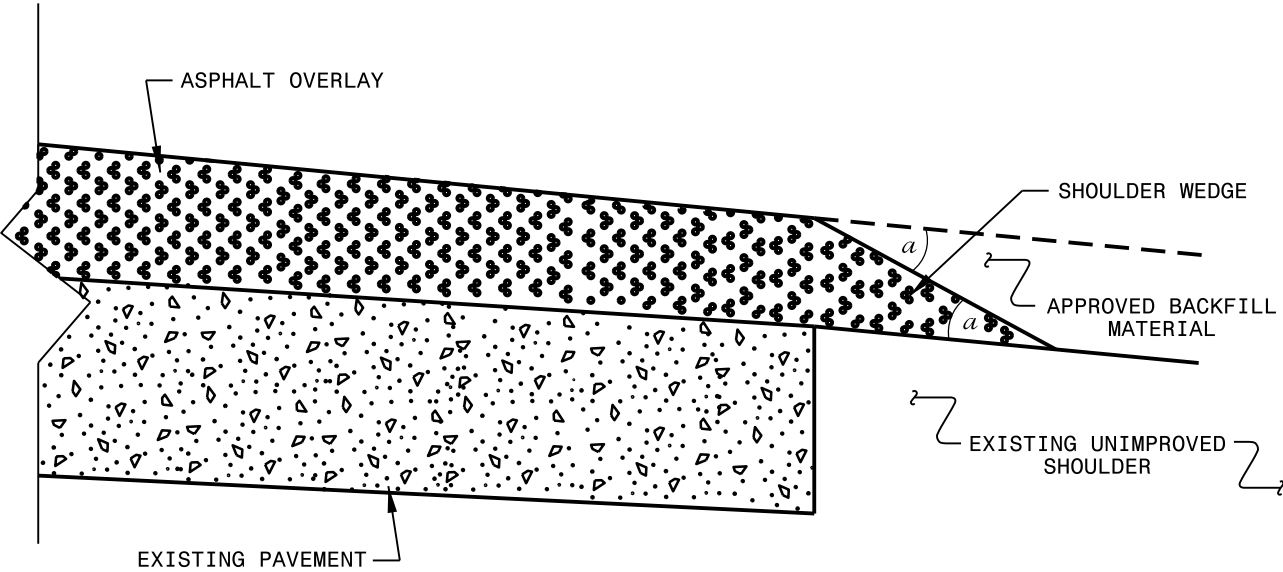
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

[illegible]

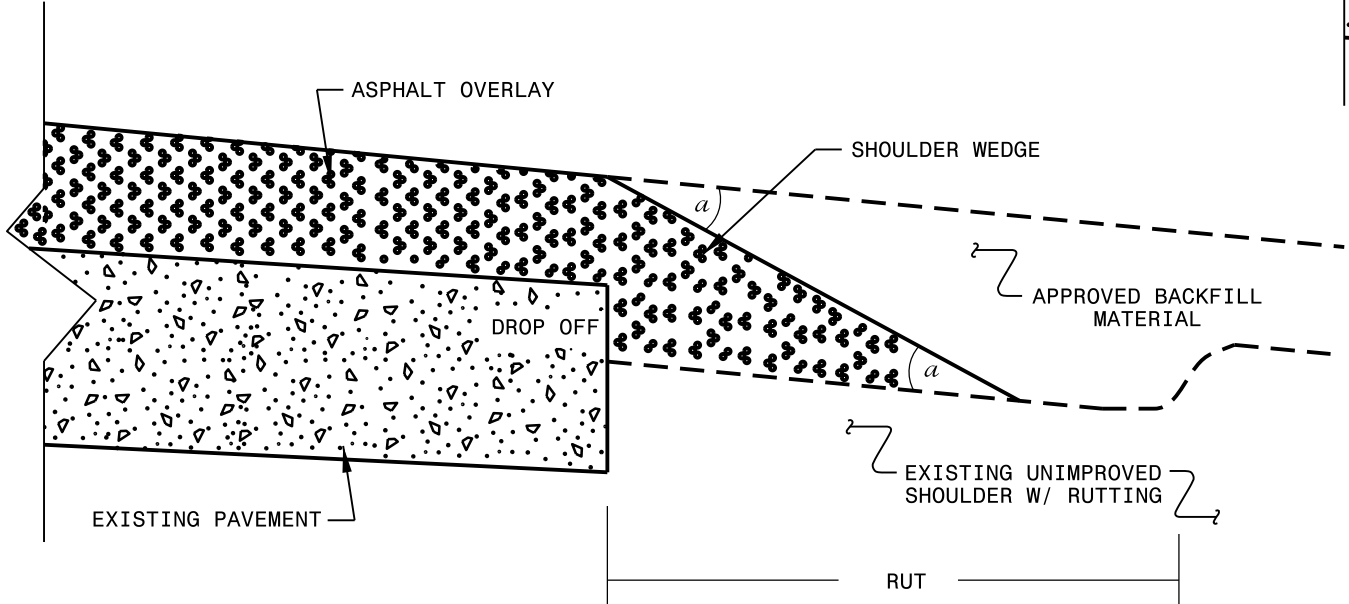
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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.:	s:\usr\details\stand\shoulderwedgedetail.dgn		

22 JAN-2018 09:41
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P:\porter - RI_CSD-2015-02

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.08.15.20761	16	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGI	END	1245000000-E	1260000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	1775000000-E	1838000000-E	1838500000-N
										N MP	MP	SHOULDER RECONSTRUCTI ON	AGGREGATE SHOULDER BORROW	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
								MI	FT			SMI	TON	SY	TONS	TONS	TONS	SY	GAL	WK
2025CPT.08.15.20761	Randolph	1	SR-2417 / LIBERTY GROVE RD	FROM GUILFORD COUNTY LINE TO SR 1006 (OLD 421 RD)	2	2	2WU	1.98	20	0	1.98	3.96	556.00	720	1,917	132	150			
TOTAL FOR MAP NO. 1								1.98				3.96	556.00	720	1,917	132	150			
2025CPT.08.15.20761	Randolph	2	SR-2440 / SANDY CREEK CHURCH RD	FROM SR 2442 (RAMSEUR JULIAN RD) TO SR 2440 (BROWER MEADOW RD)	2	2	2WU	0.56	21	0	0.56	1.12	157.00	140	569	40	60			
TOTAL FOR MAP NO. 2								0.56				1.12	157.00	140	569	40	60			
2025CPT.08.15.20761	Randolph	3	SR-2112 / BETHEL CHURCH RD	FROM SR 2114 (PROVIDENCE CHURCH RD) TO SR 2116 (NEW SALEM RD)	1	2	2WU	1.697	21	0	1.697	3.39	475.00	565	1,725	117	100	20,909.00	8,364	1.00
TOTAL FOR MAP NO. 3								1.697				3.39	475.00	565	1,725	117	100	20,909.00	8,364	1.00
2025CPT.08.15.20761	Randolph	4	SR-2116 / NEW SALEM RD	FROM US 220 BUS TO NC 22	1	2	2WU	7.11	24	0	7.11	14.22	1,991.00	3,445	8,259	546	200	100,109.00	40,044	5.00
TOTAL FOR MAP NO. 4								7.11				14.22	1,991.00	3,445	8,259	546	200	100,109.00	40,044	5.00
2025CPT.08.15.20761	Randolph	5	SR-2114 / PROVIDENCE CHURCH RD	FROM BRIDGE #108 OVER POLECAT CREEK TO 100 FT EAST OF SR 2106 (RACINE RD)	2	2	2WU	0.86	26	1.58	2.44	1.72	241.00	865	1,082	74	80			
TOTAL FOR MAP NO. 5								0.86				1.72	241.00	865	1,082	74	80			
2025CPT.08.15.20761	Randolph	6	SR-2106 / RACINE RD	FROM SR 2138 (MACK LINEBERRY RD) TO GUILFORD COUNTY LINE	1	2	2WU	5.77	21	0	5.77	11.54	1,616.00	3,845	5,865	393	250	71,087.00	28,435	4.00
TOTAL FOR MAP NO. 6								5.77				11.54	1,616.00	3,845	5,865	393	250	71,087.00	28,435	4.00
2025CPT.08.15.20761	Randolph	7	SR-2469 / WEEDEN ST	(FROM: NC-49 TO: MM 1.30 AT STALEY COVE DR)	1	2	2WU	1.3	23	0	1.3	2.60	364.00	700	1,505	107	200	17,541.00	7,016	
TOTAL FOR MAP NO. 7								1.3				2.60	364.00	700	1,505	107	200	17,541.00	7,016	
2025CPT.08.15.20761	Randolph	8	SR-2469 / N MAIN ST	FROM MM 1.30 AT STALEY COVE DR TO SR 2465 (W. FRANKLINVILLE ST)	1	2	2WU	0.62	23	1.3	1.92	1.24	174.00	130	780	58	150	8,367.00	3,347	
TOTAL FOR MAP NO. 8								0.62				1.24	174.00	130	780	58	150	8,367.00	3,347	
2025CPT.08.15.20761	Randolph	9	SR-2469 / S MAIN ST	FROM SR 2465 (W. FRANKLINVILLE ST) TO SR 2469 (BROWNS CROSSROADS RD)	1	2	2WU	1.16	23	1.92	3.08	2.32	325.00	1,405	1,407	96	100	15,653.00	6,261	
TOTAL FOR MAP NO. 9								1.16				2.32	325.00	1,405	1,407	96	100	15,653.00	6,261	
2025CPT.08.15.20761	Randolph	10	SR-2469 / BROWNS CROSSROADS RD	FROM SR 2469 (S. MAIN ST) TO US 64	1	2	2WU	2.98	23	3.08	6.06	5.96	834.00	890	3,390	228	150	40,209.00	16,084	
TOTAL FOR MAP NO. 10								2.98				5.96	834.00	890	3,390	228	150	40,209.00	16,084	
TOTAL FOR PROJ NO. 2025CPT.08.15.20761								24.037				48.07	6,733.00	12,705	26,499	1,791	1,440	273,875.00	109,551	10.00
GRAND TOTAL								24.037				48.07	6,733.00	12,705	26,499	1,791	1,440	273,875.00	109,551	10.00

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.08.15.20761	17	

THERMOPLASTIC AND PAINT QUANTITIES

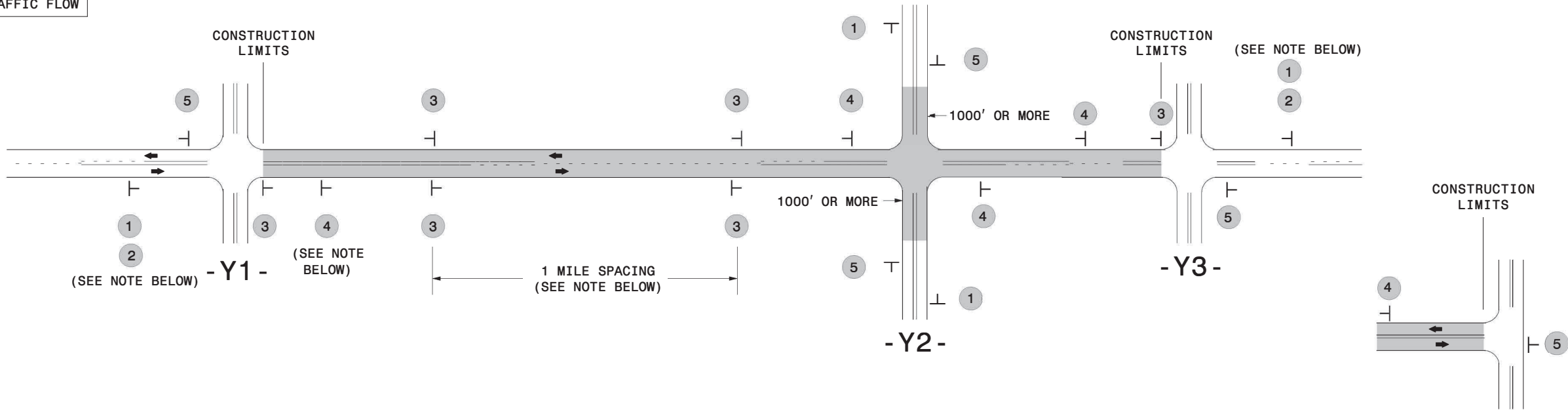
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PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" WHITE PAINT	6" YELLOW PAINT	8" WHITE PAINT	24" WHITE PAINT	PAINT MSG STOP	PAINT MSG AHEAD	PAINT MSG ONLY	PAINT RT ARROW
								MI	FT			SF	LS	LF	LF	LF	LF	EA	EA	EA	EA
2025CPT.08.15.20761	Randolph	1	SR-2417 / LIBERTY GROVE RD	FROM GUILFORD COUNTY LINE TO SR 1006 (OLD 421 RD)	2	2	2WU	1.98	20	0	1.98	222	*	41,818	41,818		54	16	20		
TOTAL FOR MAP NO. 1							1.98				222	41,818		41,818		54	16	20			
2025CPT.08.15.20761	Randolph	2	SR-2440 / SANDY CREEK CHURCH RD	FROM SR 2442 (RAMSEUR JULIAN RD) TO SR 2440 (BROWER MEADOW RD)	2	2	2WU	0.56	21	0	0.56	63		11,828	11,828						
TOTAL FOR MAP NO. 2							0.56				63	11,828		11,828							
2025CPT.08.15.20761	Randolph	3	SR-2112 / BETHEL CHURCH RD	FROM SR 2114 (PROVIDENCE CHURCH RD) TO SR 2116 (NEW SALEM RD)	1	2	2WU	1.697	21	0	1.697	190		35,844	35,844						
TOTAL FOR MAP NO. 3							1.697				190	35,844		35,844							
2025CPT.08.15.20761	Randolph	4	SR-2116 / NEW SALEM RD	FROM US 220 BUS TO NC 22	1	2	2WU	7.11	24	0	7.11	796		150,164	150,164		270	40	50		
TOTAL FOR MAP NO. 4							7.11				796	150,164		150,164		270	40	50			
2025CPT.08.15.20761	Randolph	5	SR-2114 / PROVIDENCE CHURCH RD	FROM BRIDGE #108 OVER POLECAT CREEK TO 100 FT EAST OF SR 2106 (RACINE RD)	2	2	2WU	0.86	26	1.58	2.44	96		18,164	18,164						
TOTAL FOR MAP NO. 5							0.86				96	18,164		18,164							
2025CPT.08.15.20761	Randolph	6	SR-2106 / RACINE RD	FROM SR 2138 (MACK LINEBERRY RD) TO GUILFORD COUNTY LINE	1	2	2WU	5.77	21	0	5.77	646		121,864	121,864						
TOTAL FOR MAP NO. 6							5.77				646	121,864		121,864							
2025CPT.08.15.20761	Randolph	7	SR-2469 / WEEDEN ST	(FROM: NC-49 TO: MM 1.30 AT STALEY COVE DR)	1	2	2WU	1.3	23	0	1.3	146		27,456	27,456						
TOTAL FOR MAP NO. 7							1.3				146	27,456		27,456							
2025CPT.08.15.20761	Randolph	8	SR-2469 / N MAIN ST	FROM MM 1.30 AT STALEY COVE DR TO SR 2465 (W. FRANKLINVILLE ST)	1	2	2WU	0.62	23	1.3	1.92	70		13,096	13,096						
TOTAL FOR MAP NO. 8							0.62				70	13,096		13,096							
2025CPT.08.15.20761	Randolph	9	SR-2469 / S MAIN ST	FROM SR 2465 (W. FRANKLINVILLE ST) TO SR 2469 (BROWNS CROSSROADS RD)	1	2	2WU	1.16	23	1.92	3.08	345		32,526	32,526	310					
TOTAL FOR MAP NO. 9							1.16				345	32,526		32,526	310						
2025CPT.08.15.20761	Randolph	10	SR-2469 / BROWNS CROSSROADS RD	FROM SR 2469 (S. MAIN ST) TO US 64	1	2	2WU	2.98	23	3.08	6.06	334		62,936	62,936				8	2	
TOTAL FOR MAP NO. 10							2.98				334	62,936		62,936					8	2	
TOTAL FOR PROJ NO. 2025CPT.08.15.20761							24.037				2,908	1	515,696	515,696	310	324	56.000	70	8	2	
													1,031,392				134.000				
GRAND TOTAL							24.037				2,908	1	515,696	515,696	310	324	56.000	70	8	2	
													1,031,392				134				

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

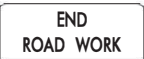
DIRECTION OF TRAFFIC FLOW



TEE INTERSECTION

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1  W20-1 48" X 48" 2  W7-3aP 24" X 18" PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #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)	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.
	3  SP 13107 48" X 48" - 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" - 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.	
LESS 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.	 W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER.  W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.
		 AD