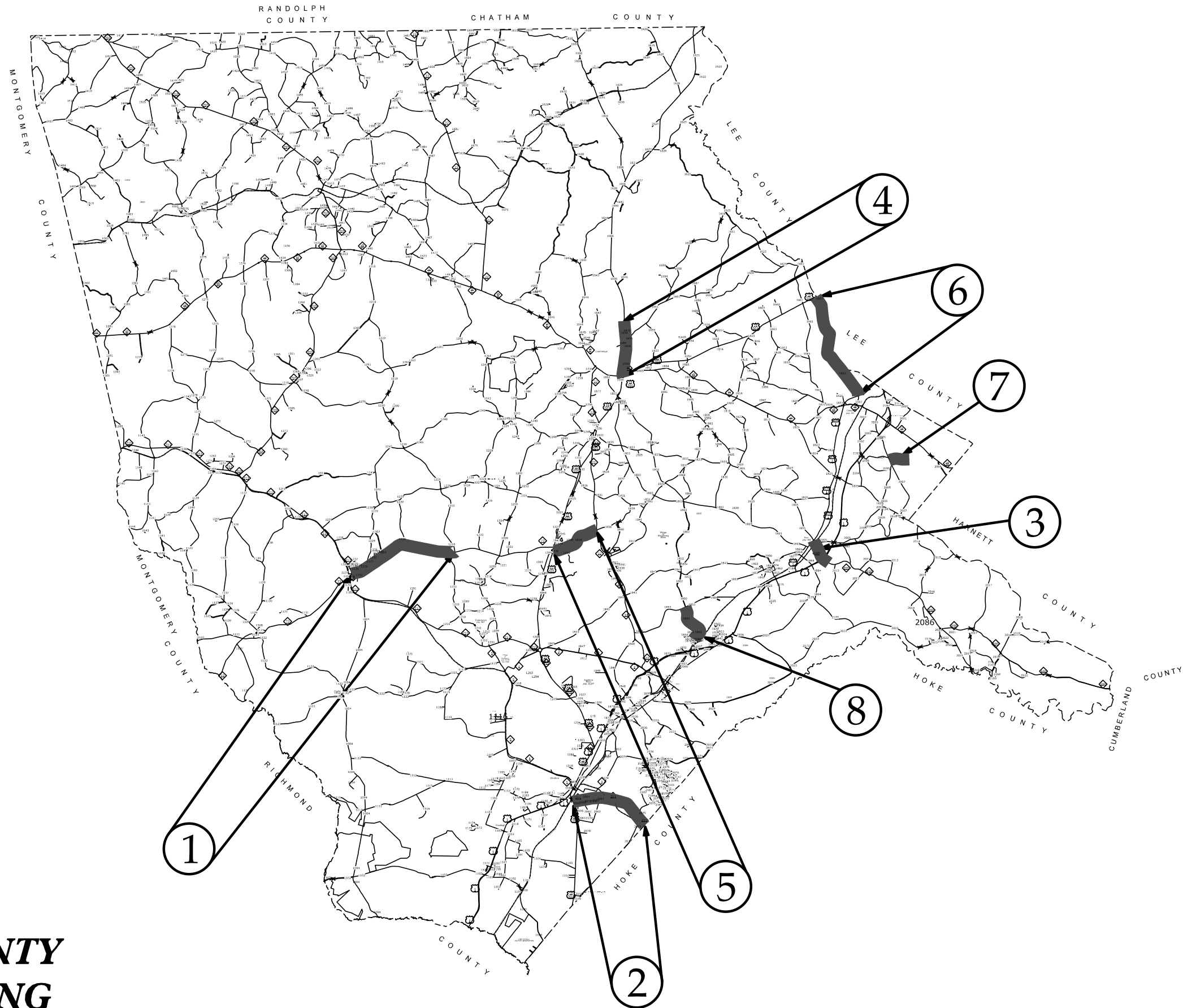


MOORE COUNTY RESURFACING



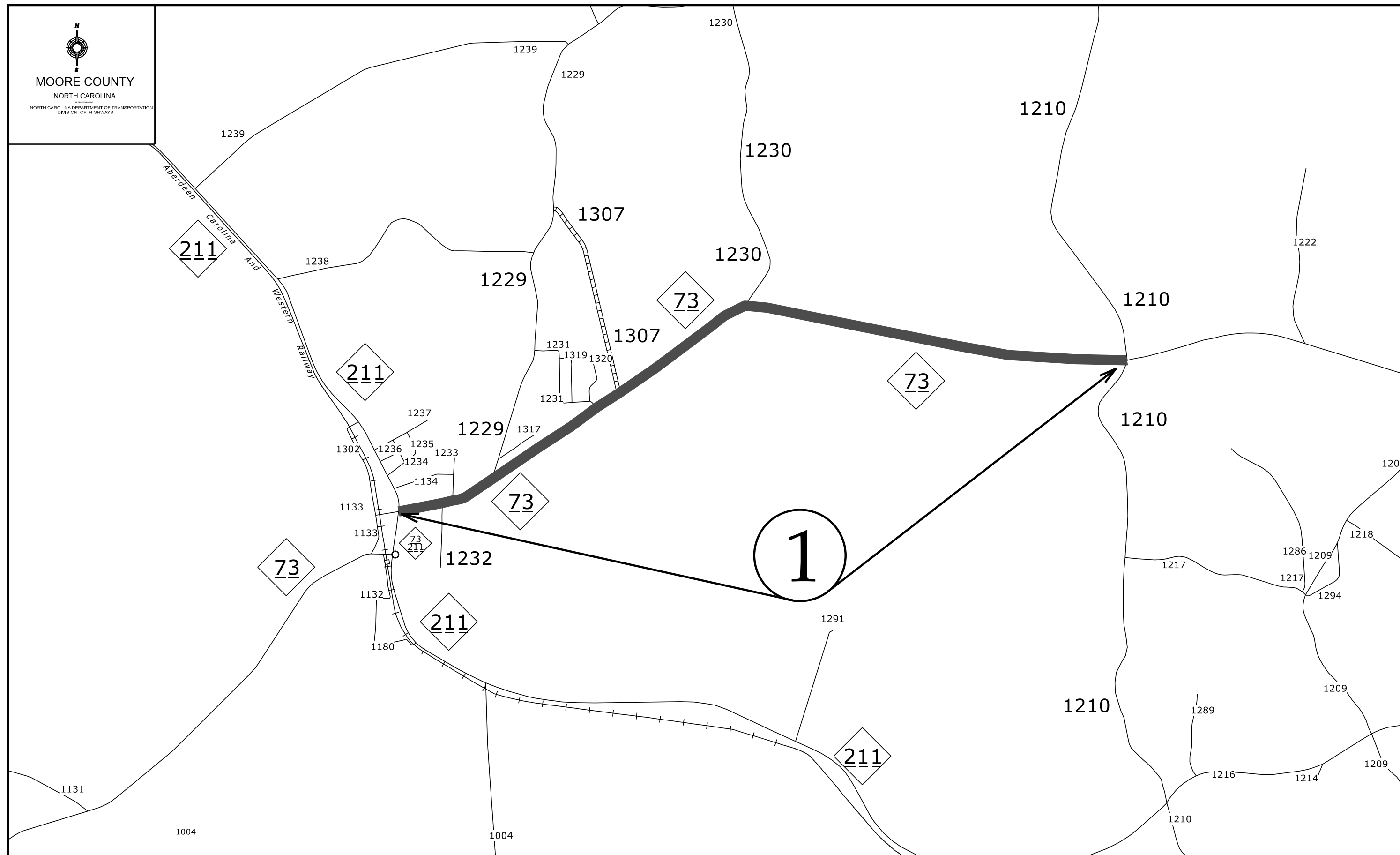
Map 1



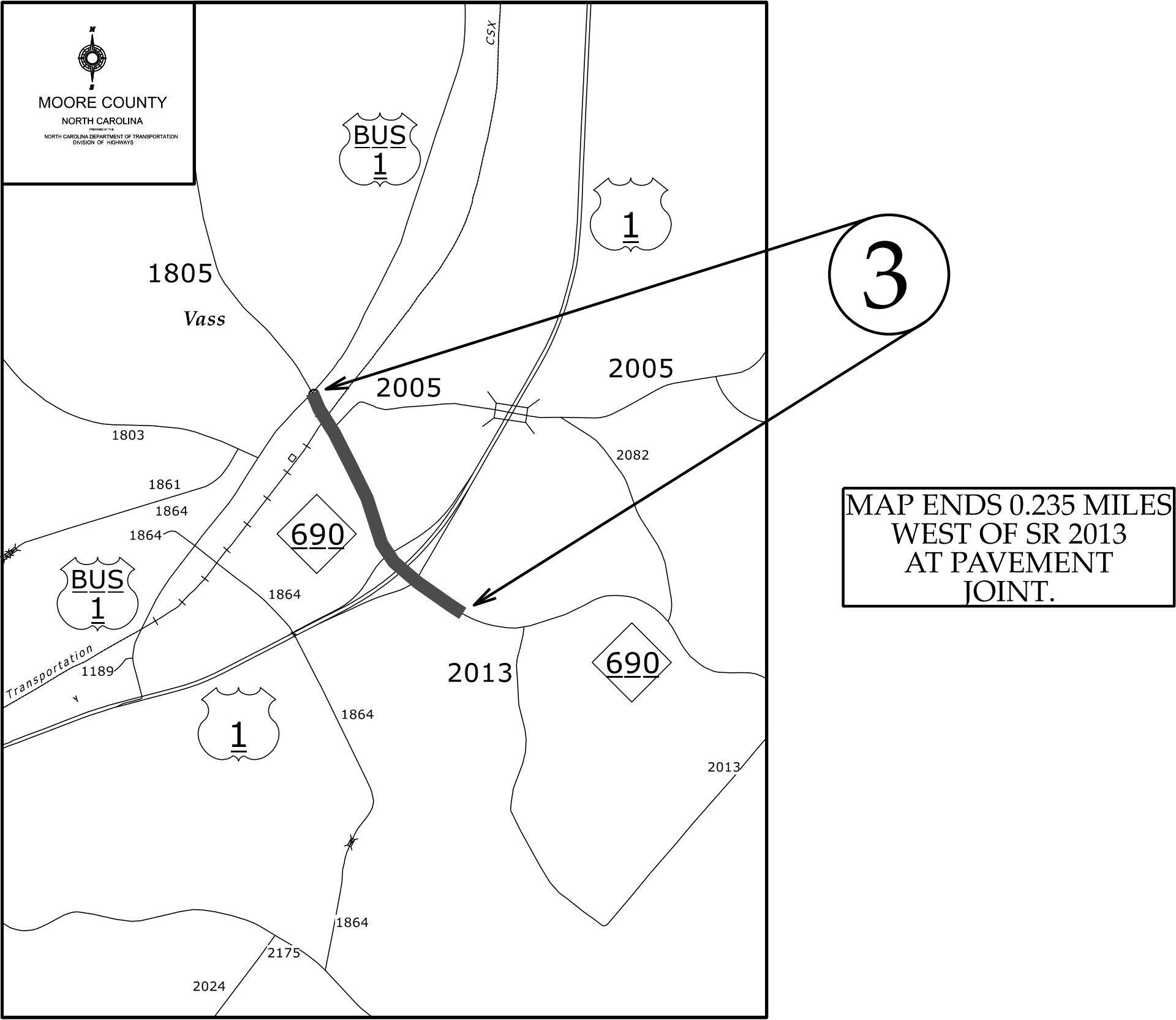
MOORE COUNTY

NORTH CAROLINA

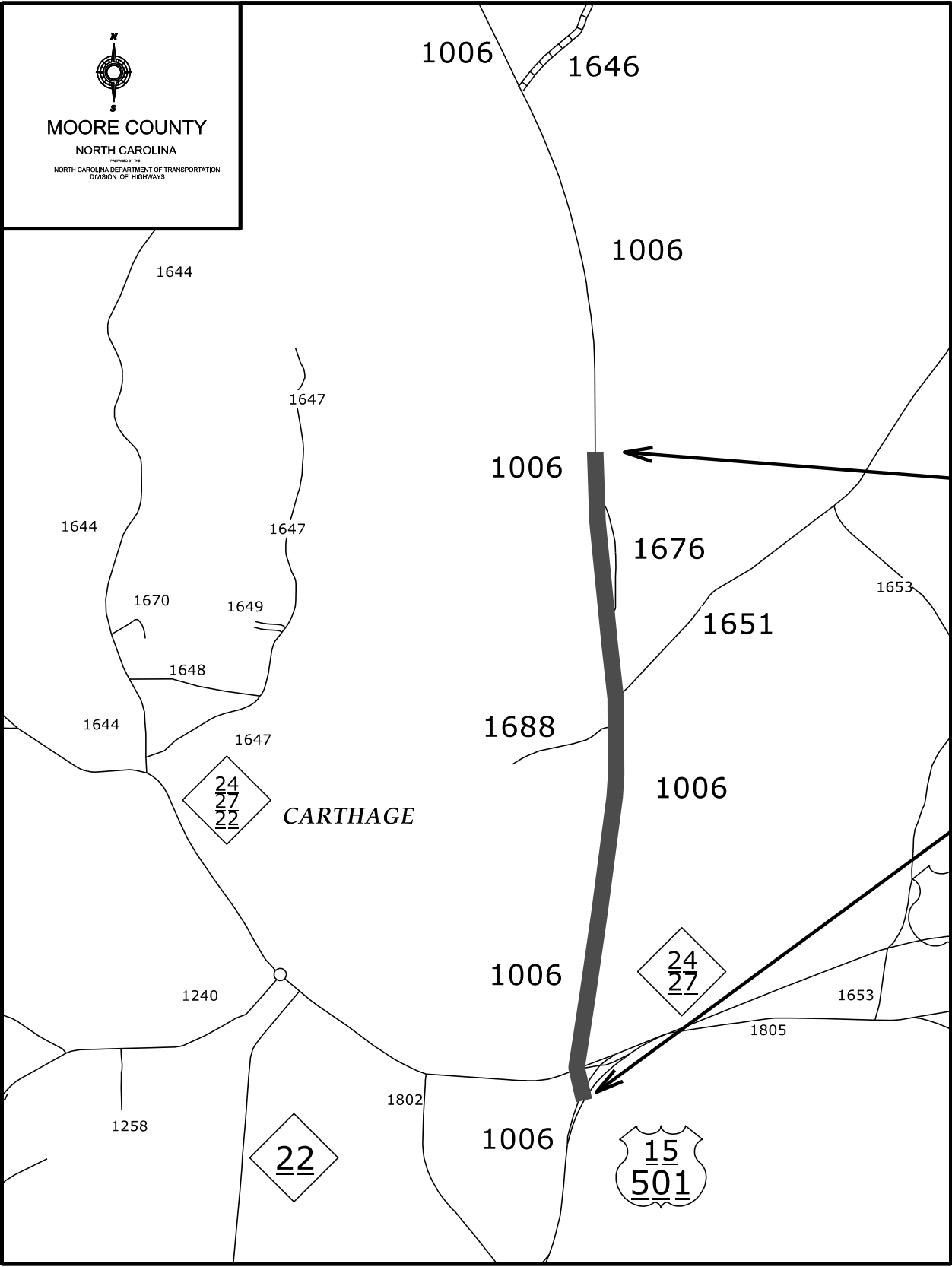
PREPARED BY THE
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS



Map 3

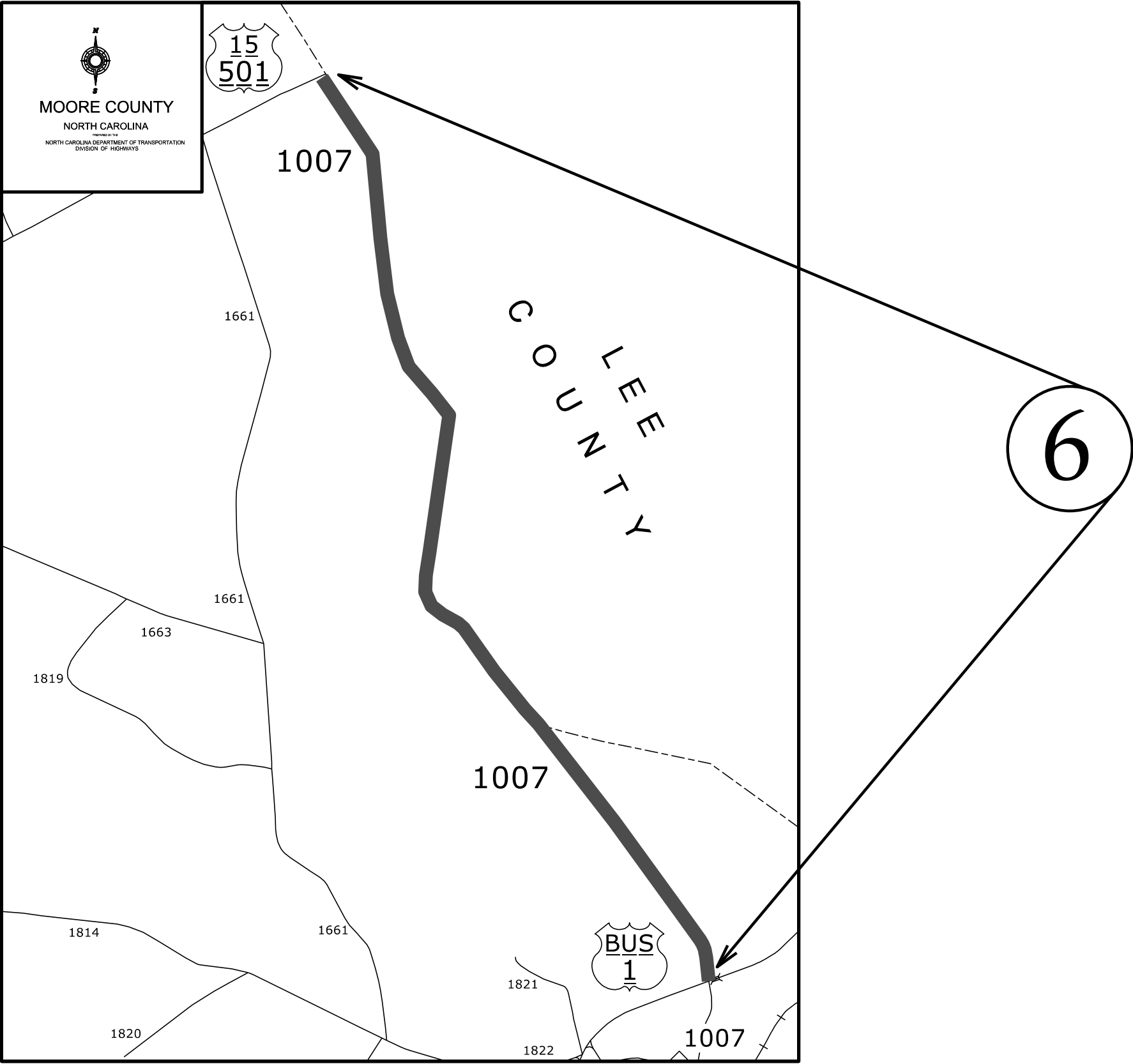


Map 4

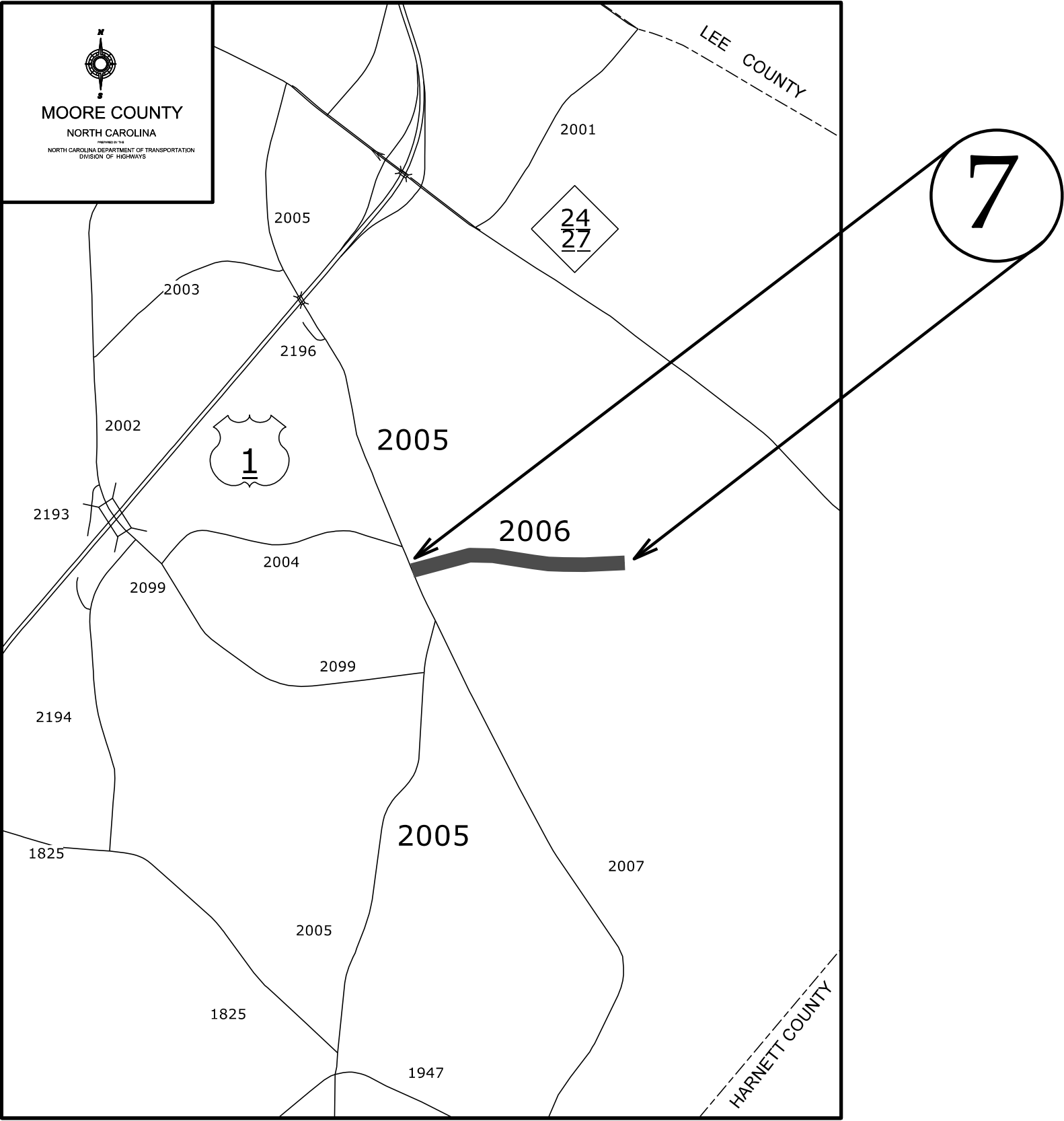


MAP ENDS 0.06 MILES
NORTH OF SR 1676.

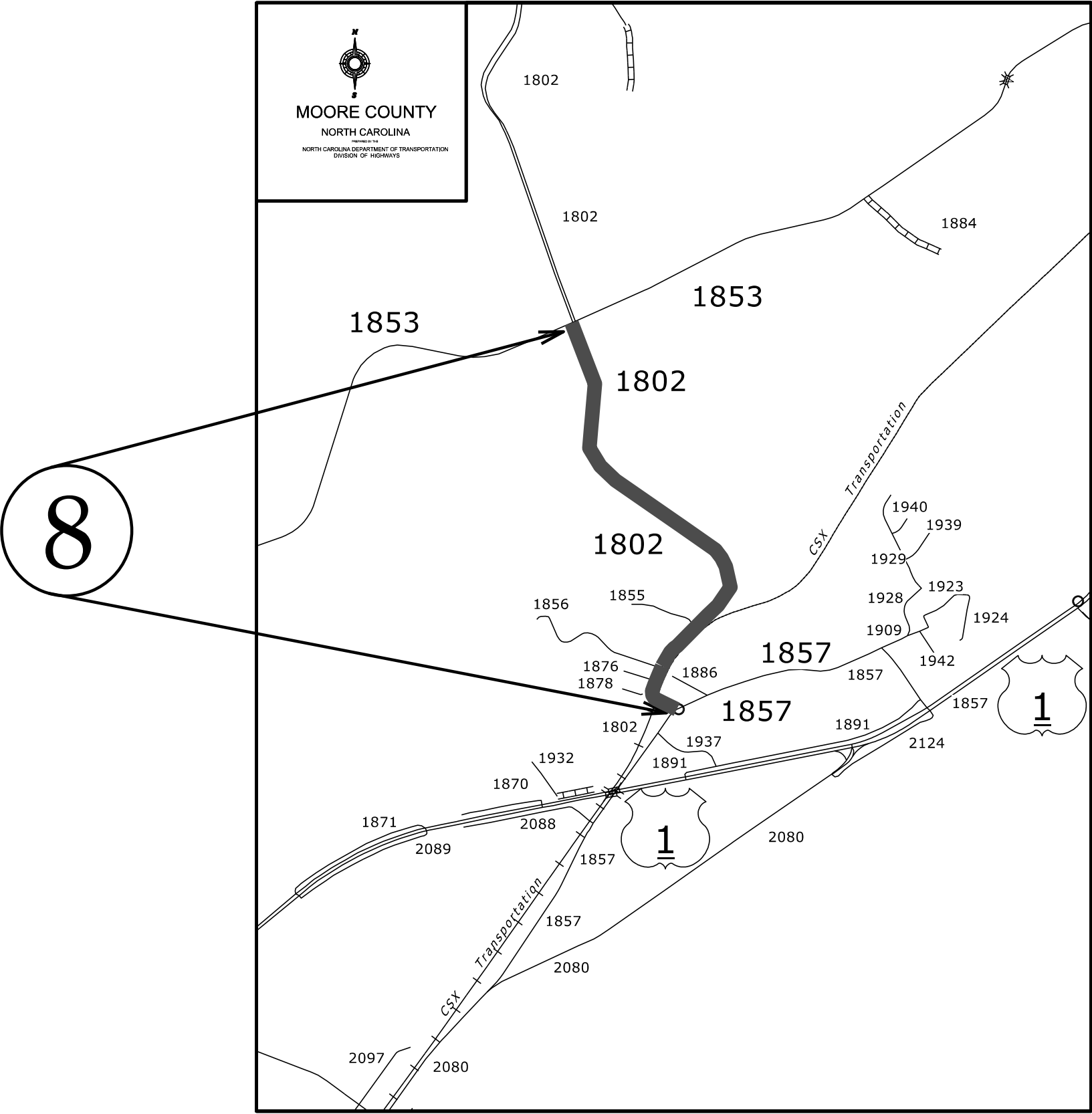
Map 6

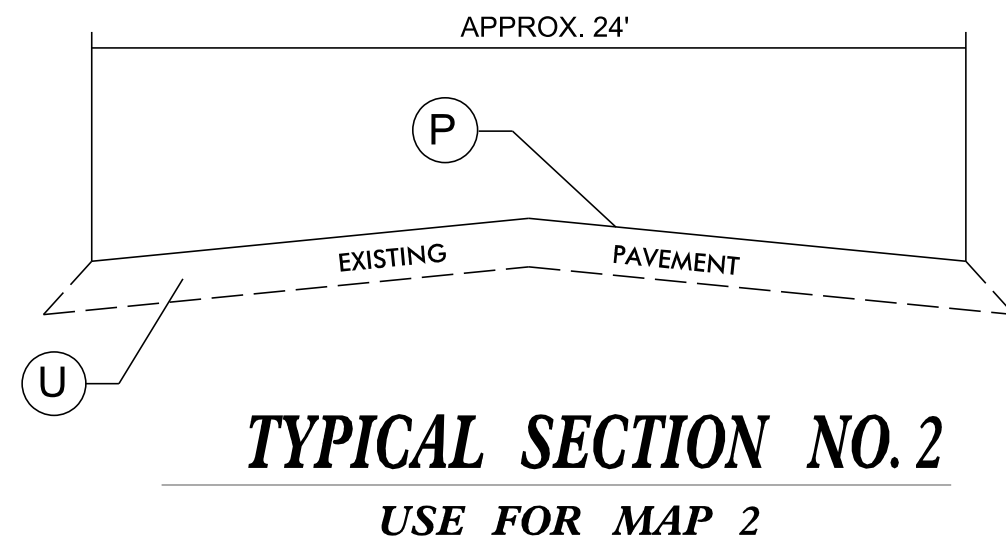
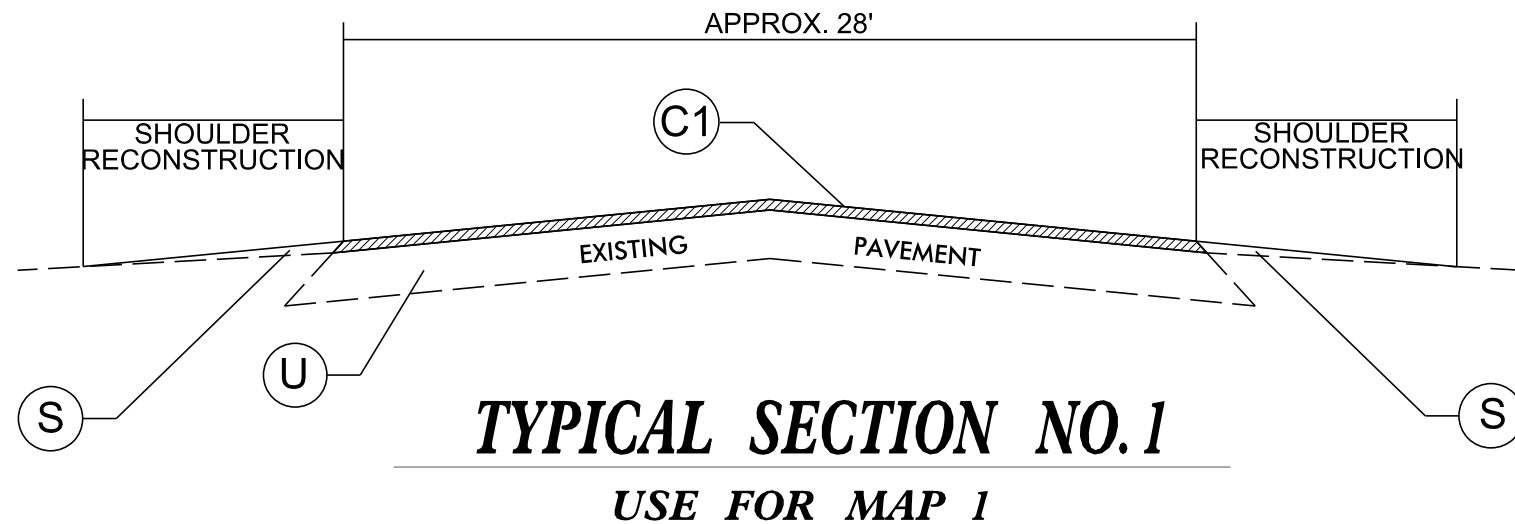


Map 7

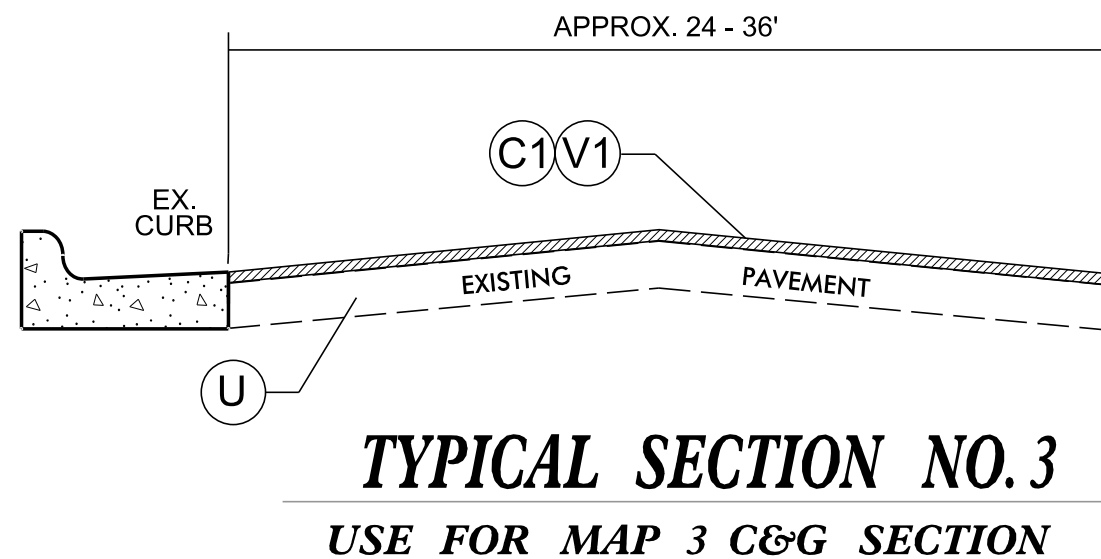


Map 8

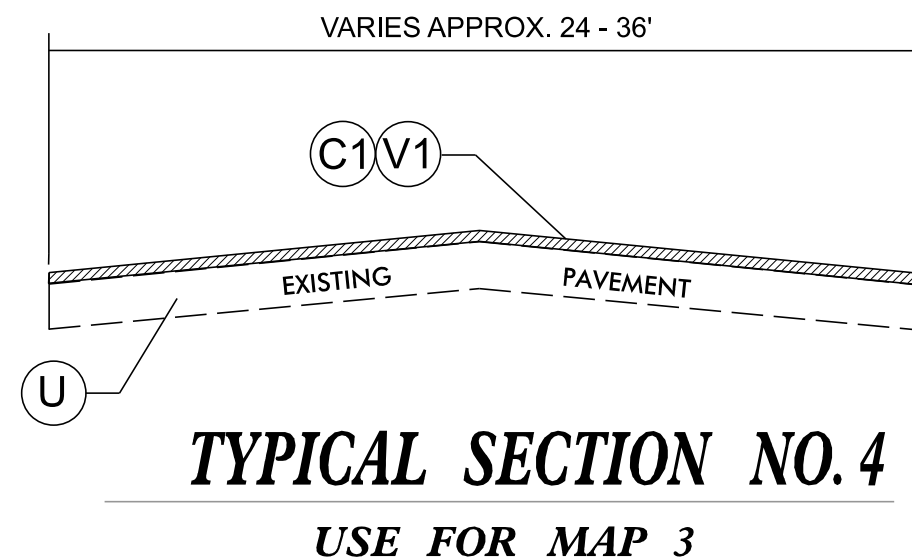


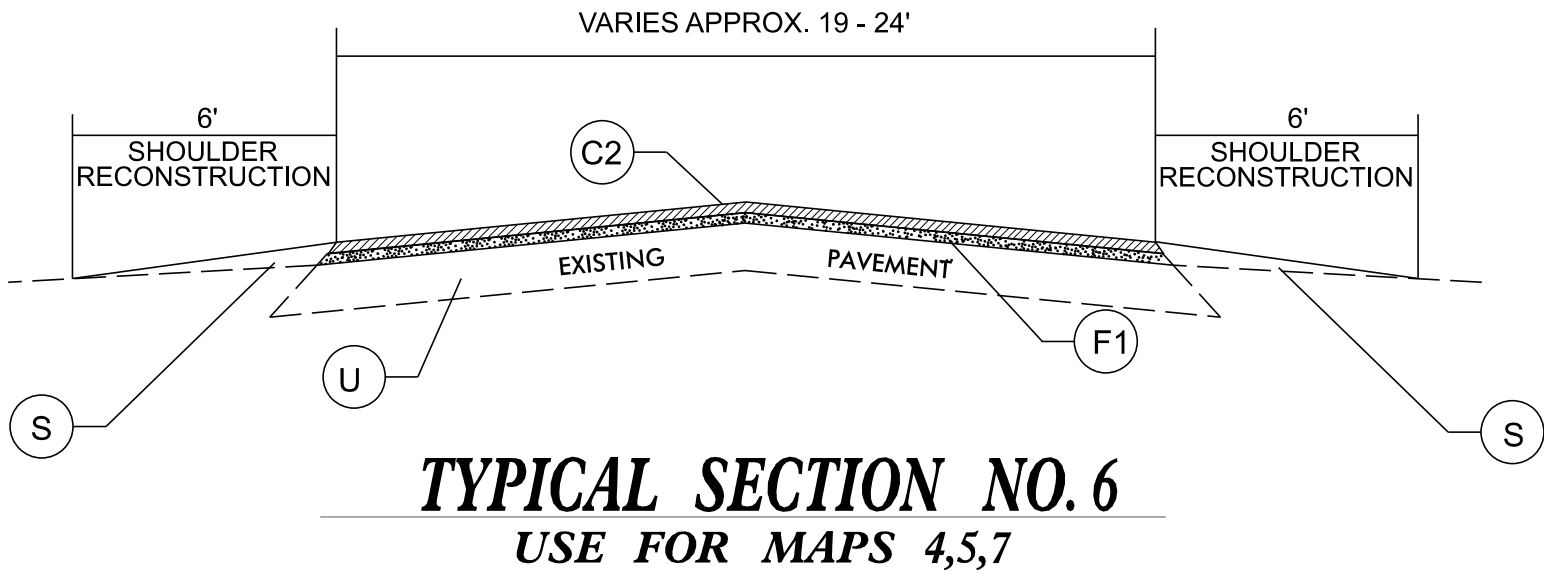
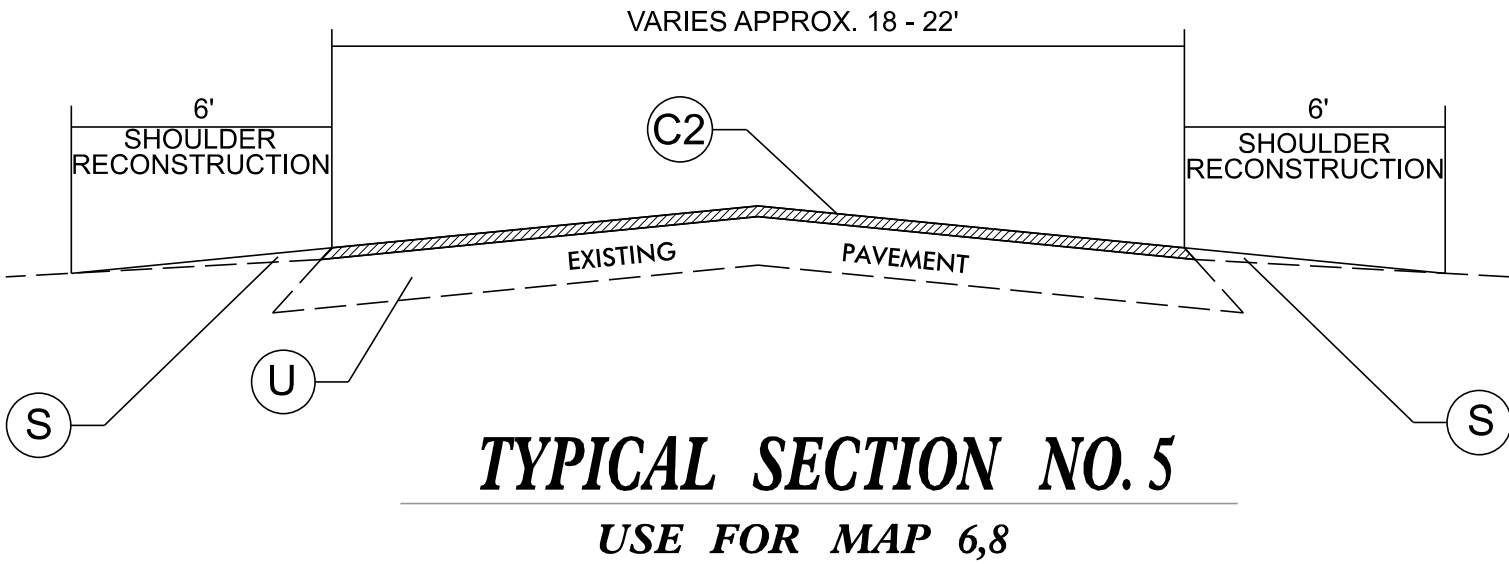


MAP 2 REQUIRES PATCHING ONLY.



PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	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
P	PATCHING (MAP 2 ONLY)
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	MILLING 1.5" IN DEPTH

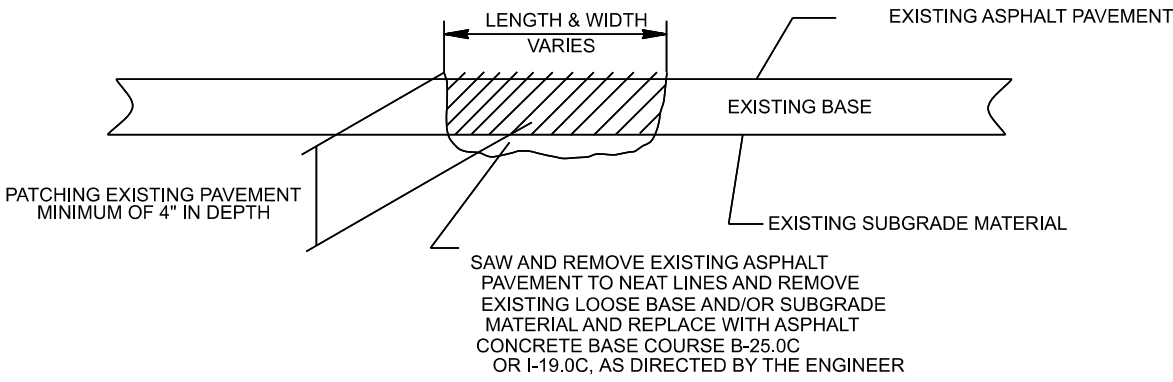




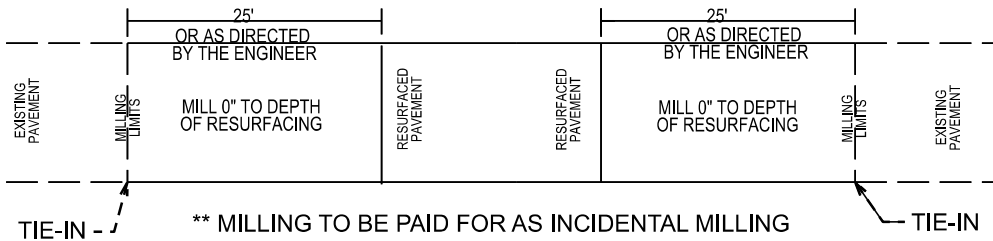
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
F1	PROP. ASPHALT SURFACE TREATMENT, MAT COAT #67 STONE
P	PATCHING (MAP 2 ONLY)
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	MILLING 1.5" IN DEPTH

DETAILS

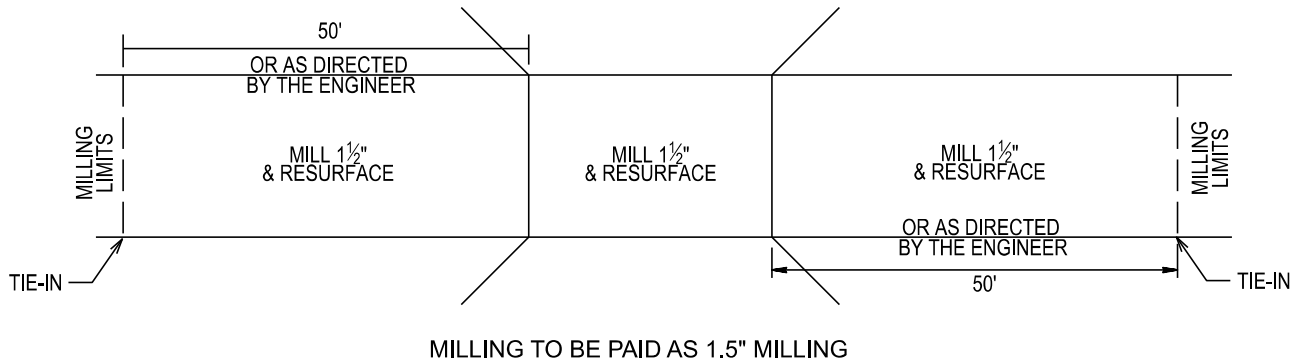
DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING



PAVEMENT TIE-IN DETAIL



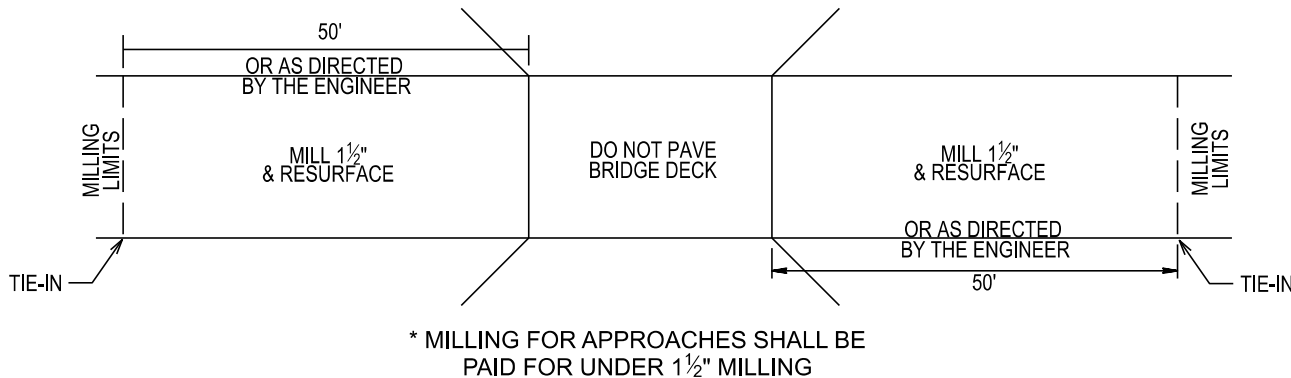
BRIDGE DETAILS



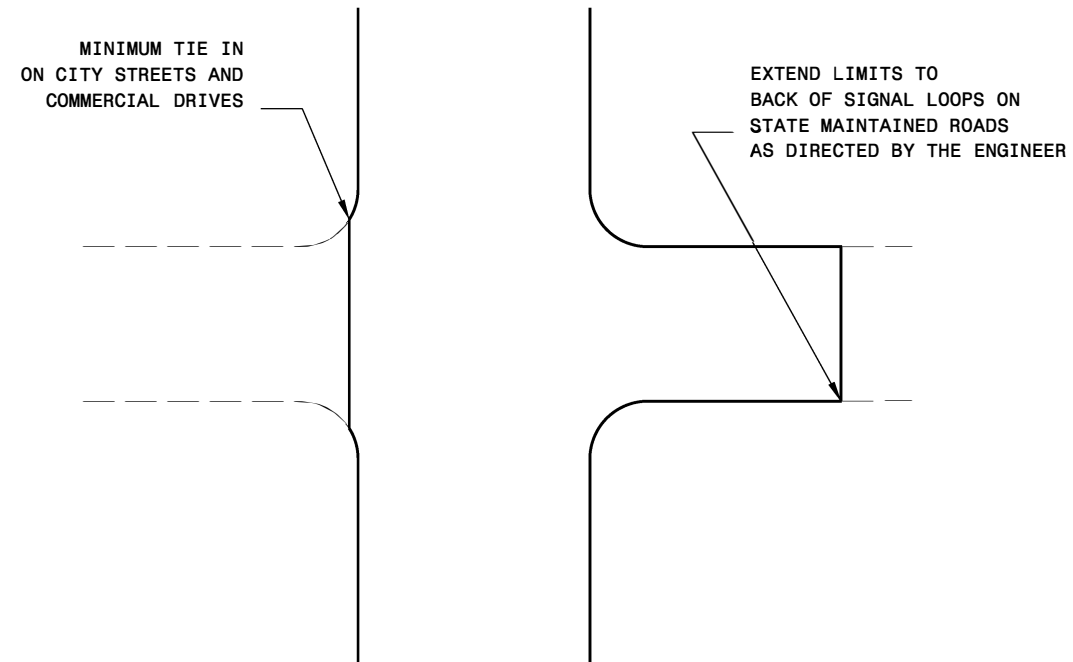
BRIDGE DRAWING FOR:
MAP #3 NC 690 BRIDGE #0009

BRIDGE NOTES:

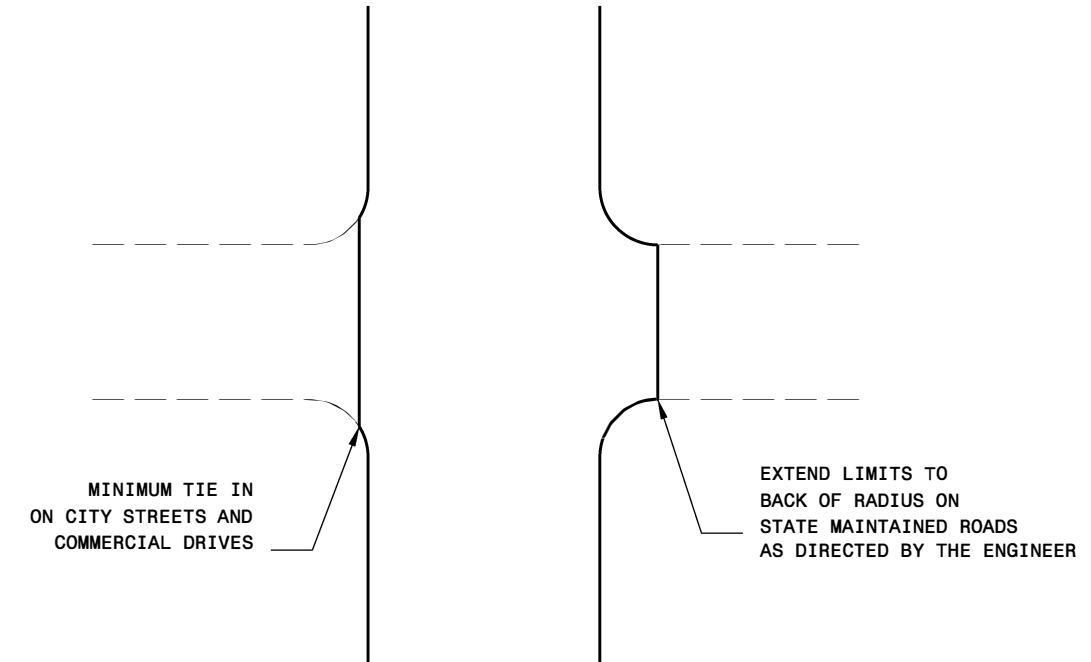
DO NOT FILL IN DRAIN HOLES
WHEN RESURFACING.



BRIDGE DRAWING FOR
MAP #3 NC 690 BRIDGE # 0242



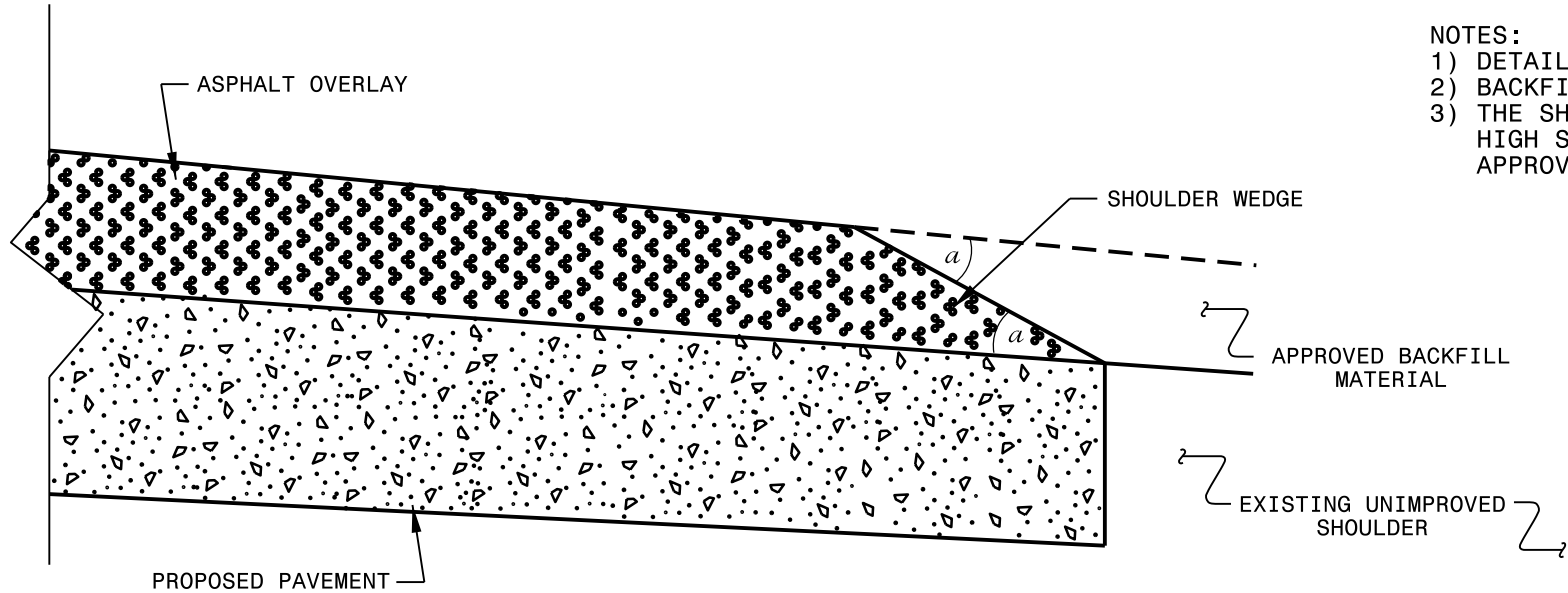
TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



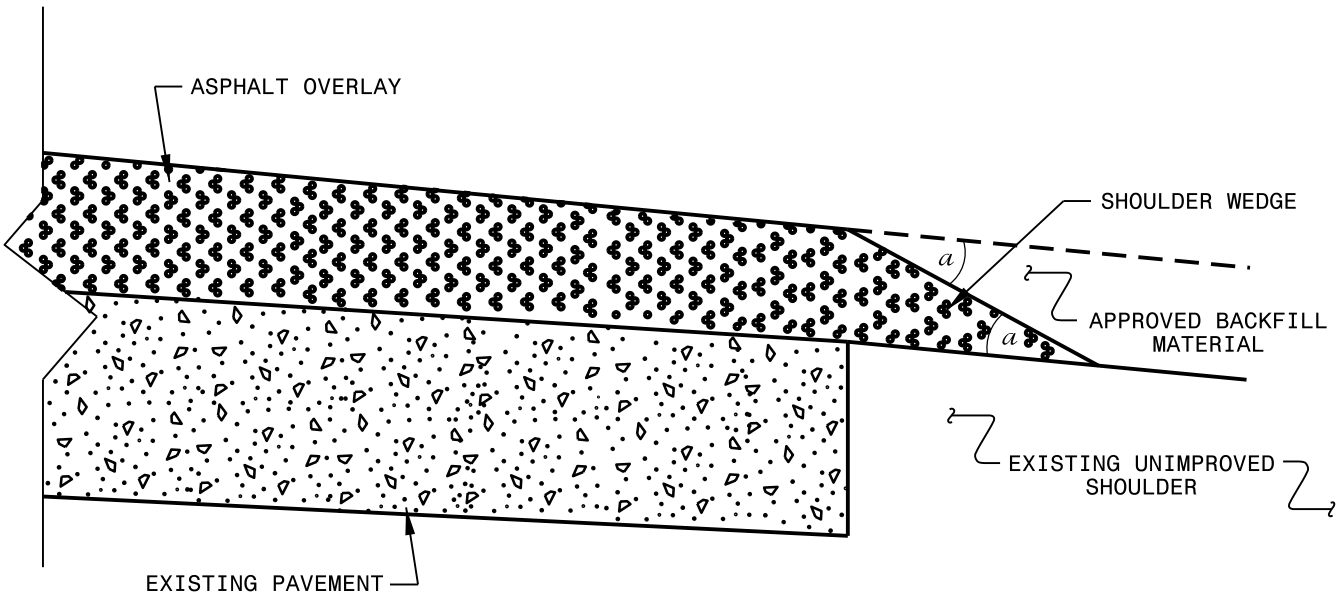
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

[illegible]

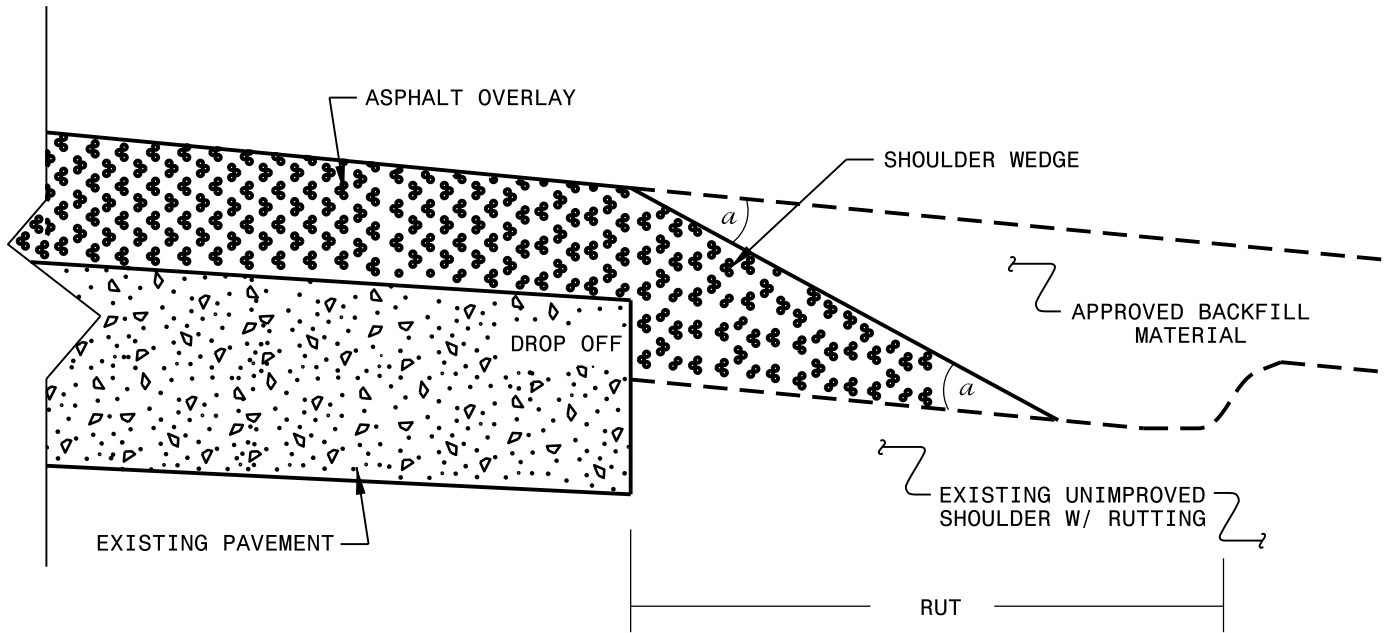
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAF C AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.08.05.10631, 2027CPT.08.05.20631	16	

SUMMARY OF QUANTITIES

												1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	1775500000-E	1838000000-E	1838500000-N	2143000000-E	2830000000-N	2845000000-N	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, MATCOAT, #67STONE	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK	BLOTTING SAND	ADJUST MANHOLES	ADJUST METER OR VALVE BOX	
								MI	FT			TONS	SMI	TON	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	SY	GAL	WK	TON	EA
2027CPT.08.05.10631	Moore	1	NC-73	FROM NC-211 TO SR 1210 (BEULAH HILL CHURCH RD)	1	2	2WU	3.940	28	6.310	10.250	150	7.88	1125		1,200		5,975	365	250							
TOTAL FOR MAP NO. 1								3.940				150	7.88	1125		1,200		5,975	365	250							
2027CPT.08.05.10631	Moore	2	NC-211	FROM HOKE COUNTY LINE TO US-15/501	2	2	2WU	2.900	24	0.000	2.900								9	180							
TOTAL FOR MAP NO. 2								2.900						0					9	180							
2027CPT.08.05.10631	Moore	3	NC-690	FROM US-1 BUS. TO 0.235 MILES WEST OF SR 2013 (WHITE ROCK RD)	3,4	2	2WU	0.975	28	0.000	0.975	100			16,800	2,495		1,708	101	10					4	18	
TOTAL FOR MAP NO. 3								0.975				100		0	16,800	2,495		1,708	101	10					4	18	
TOTAL FOR PROJ NO. 2027CPT.08.05.10631								7.815				250	7.88	1125	16,800	3,695		7,683	475	440					4	18	
2027CPT.08.05.20631	Moore	4	SR-1006 / GLENDON-CARTHAGE RD	FROM US 15-501 TO 0.06 MILES NORTH OF SR 1676 (COLE RD)	6	2	2WU	1.810	22	0.190	2.000	50	3.62	515		1,950	2,140		145	125	24530	9,815	1.00	20			
TOTAL FOR MAP NO. 4								1.810				50	3.62	515		1,950	2,140		145	125	24530	9,815	1.00	20			
2027CPT.08.05.20631	Moore	5	SR-1838 / MCCASKILL RD	FROM US 15-501 TO NC-22	6	2	2WU	1.809	22	0.000	1.809	100	3.62	515		665	2,015		131	10	24520	9,810	1.00	20			
TOTAL FOR MAP NO. 5								1.809				100	3.62	515		665	2,015		131	10	24520	9,810	1.00	20			
2027CPT.08.05.20631	Moore	6	SR-1007 / SOUTH PLANK RD	FROM OLD US 1 TO US-15 501	5	2	2WU	3.997	21	0.320	4.317	100	7.99	1140		330	4,271		282	95							
TOTAL FOR MAP NO. 6								3.997				100	7.99	1140		330	4,271		282	95	0						
2027CPT.08.05.20631	Moore	7	SR-2006 / KINGSWOOD RD	FROM SR 2005 (ATKINS RD) TO END OF MAINTENANCE	6	2	2WU	0.704	19	0.000	0.704	50	1.41	205		75	686		61	350	6530	2,615	0.25	10			
TOTAL FOR MAP NO. 7								0.704				50	1.41	205		75	686		61	350	6530	2,615	0.25	10			
2027CPT.08.05.20631	Moore	8	SR-1802 / NIAGARA-CARTHAGE RD	SR 1853 (CAMP EASTER RD) TO SR 1857 (VALLEY VIEW RD)	5	2	2WU	1.626	22	9.431	11.057	80	3.25	465		1,500	1,915		130	115							
TOTAL FOR MAP NO. 8								1.626				80	3.25	465		1,500	1,915		130	115	0						
TOTAL FOR PROJ NO. 2027CPT.08.05.20631								9.946				380	19.89	2840		4,520	11,027		749	695	55580	22,240	2.25	50			
GRAND TOTAL								17.761				630	27.77	3965	16,800	8,215	11,027	7,683	1,224	1,135	55580	22,240	2.25	50	4	18	

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.08.05.10631, 2027CPT.08.05.20631	17	

THERMOPLASTIC AND PAINT QUANTITIES

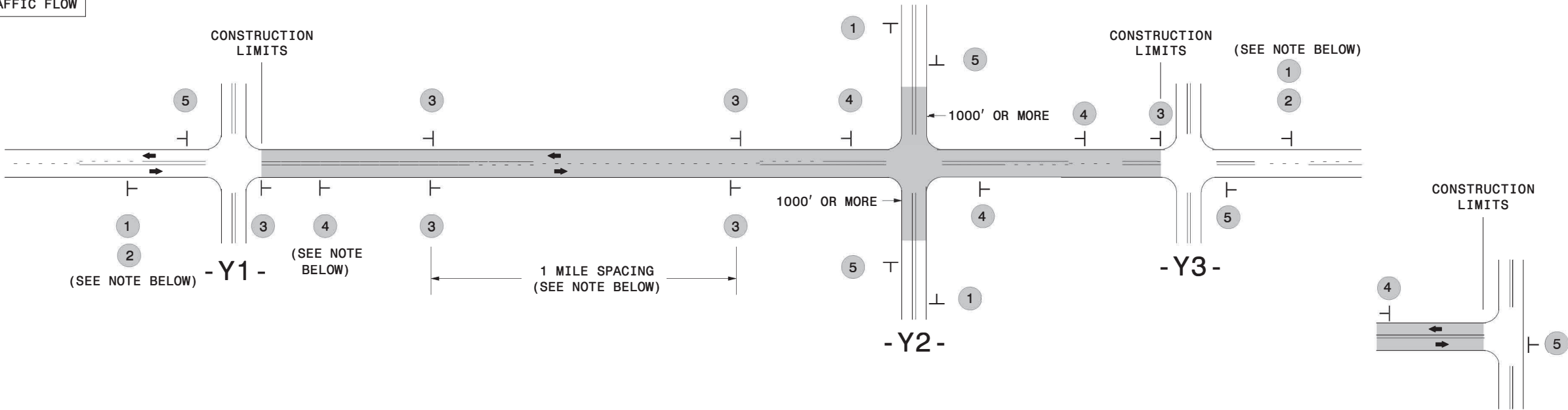
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4688000000-E	4700000000-E	4704000000-E	4709000000-E	4720000000-E	4725000000-E				4775000000-E	4815000000-E		4825000000-E	4830000000-E	4835000000-E	4840000000-N	4895000000-N		4900000000-N		
								WORK ZONE ADVANCE/GEN ERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL			6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	12" X 90 M YELLOW THERMO	16" X 90 M WHITE THERMO	24" X 90 M WHITE THERMO	THERMO RXR 90 M	THERMO LT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II (6")	6" WHITE PAINT	6" YELLOW PAINT	12" YELLOW PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	GENERIC PAVEMENT MARKING ITEM POLYCARBO NATE H- SHAPED MARKERS Y&Y	GENERIC PAVEMENT MARKING ITEM POLYCARBON ATE H- SHAPED MARKERS C&R	PERMANENT RAISED PAVEMENT MARKERS (CRYSTAL & RED)	PERMANENT RAISED MARKERS (YELLOW & YELLOW)		
								MI	FT			SF	LS	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	
2027CPT.08.05.10631	Moore	1	NC-73	FROM NC-211 TO SR 1210 (BEULAH HILL CHURCH RD)	1	2	2WU	3.94	28	6.31	10.25	185	*	43,500	40,500	150				2					43,500	40,500					260			
TOTAL FOR MAP NO. 1								3.94				185		43,500	40,500	150				2					43,500	40,500					260			
2027CPT.08.05.10631	Moore	2	NC-211	FROM HOKE COUNTY LINE TO US-15/501	2	2	2WU	2.9	24	0	2.9	325																						
TOTAL FOR MAP NO. 2								2.9				325																						
2027CPT.08.05.10631	Moore	3	NC-690	FROM US-1 BUS. TO 0.235 MILES WEST OF SR 2013 (WHITE ROCK RD)	3,4	2	2WU	0.975	28	0	0.975	110		13,000	11,800	250		120		5	1	3	8	550	13,000	11,800	250		120		135	40	10	8
TOTAL FOR MAP NO. 3								0.975				110		13,000	11,800	250		120		5	1	3	8	550	13,000	11,800	250		120		135	40	10	8
TOTAL FOR PROJ NO. 2027CPT.08.05.10631								7.815				620	1	56,500	52,300	400		120		7	1	3	8	550	56,500	52,300	250		120		395	40	10	8
														108,800					19					108,800						435		18		
2027CPT.08.05.20631	Moore	4	SR-1006 / GLENDON-CARTHAGE RD	FROM US 15-501 TO 0.06 MILES NORTH OF SR 1676 (COLE RD)	6	2	2WU	1.81	22	0.19	2	205	*	20,100	15,500										20,100	15,500								
TOTAL FOR MAP NO. 4								1.81				205		20,100	15,500										20,100	15,500								
2027CPT.08.05.20631	Moore	5	SR-1838 / MCCASKILL RD	FROM US 15-501 TO NC-22	6	2	2WU	1.809	22	0	1.809	205		19,465	19,200										19,465	19,200							119	
TOTAL FOR MAP NO. 5								1.809				205		19,465	19,200										19,465	19,200							119	
2027CPT.08.05.20631	Moore	6	SR-1007 / SOUTH PLANK RD	FROM OLD US 1 TO US-15 501	5	2	2WU	3.997	21	0.32	4.317	448		42,800	42,500										42,800	42,500								
TOTAL FOR MAP NO. 6								3.997				448		42,800	42,500										42,800	42,500								
2027CPT.08.05.20631	Moore	7	SR-2006 / KINGSWOOD RD	FROM SR 2005 (ATKINS RD) TO END OF MAINTENANCE	6	2	2WU	0.704	19	0	0.704	80	*																					
TOTAL FOR MAP NO. 7								0.704				80																						
2027CPT.08.05.20631	Moore	8	SR-1802 / NIAGARA-CARTHAGE RD	SR 1853 (CAMP EASTER RD) TO SR 1857 (VALLEY VIEW RD)	5	2	2WU	1.626	22	9.431	11.057	185		17,500	17,500		50	145	2						17,500	17,500		50	145	2				
TOTAL FOR MAP NO. 8								1.626				185		17,500	17,500		50	145	2						17,500	17,500		50	145	2				
TOTAL FOR PROJ NO. 2027CPT.08.05.20631								9.946				1,123	1	99,865	94,700		50	145	2						99,865	94,700		50	145	2			119	
														194,565											194,565							119		
GRAND TOTAL								17,761				1,743	1	156,365	147,000	400	50	265	2	7	1	3	8	550	156,365	147,000	250	50	265	2	395	40	10	127
														303,365						19					303,365					435		137		

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

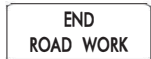
DIRECTION OF TRAFFIC FLOW



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.  W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER.  W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.
	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.		 AD



ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2-LANE ROADWAY
RESURFACING