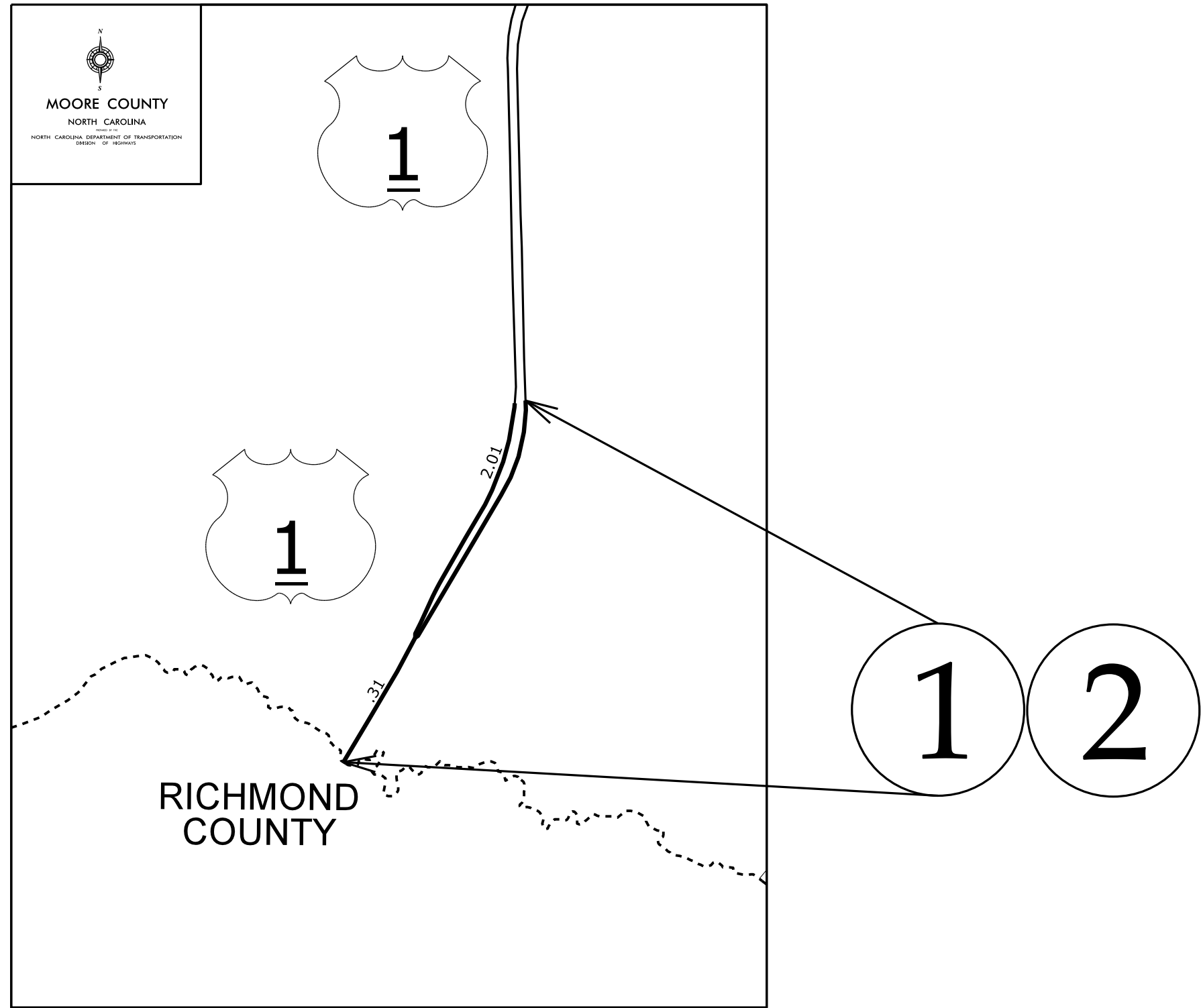
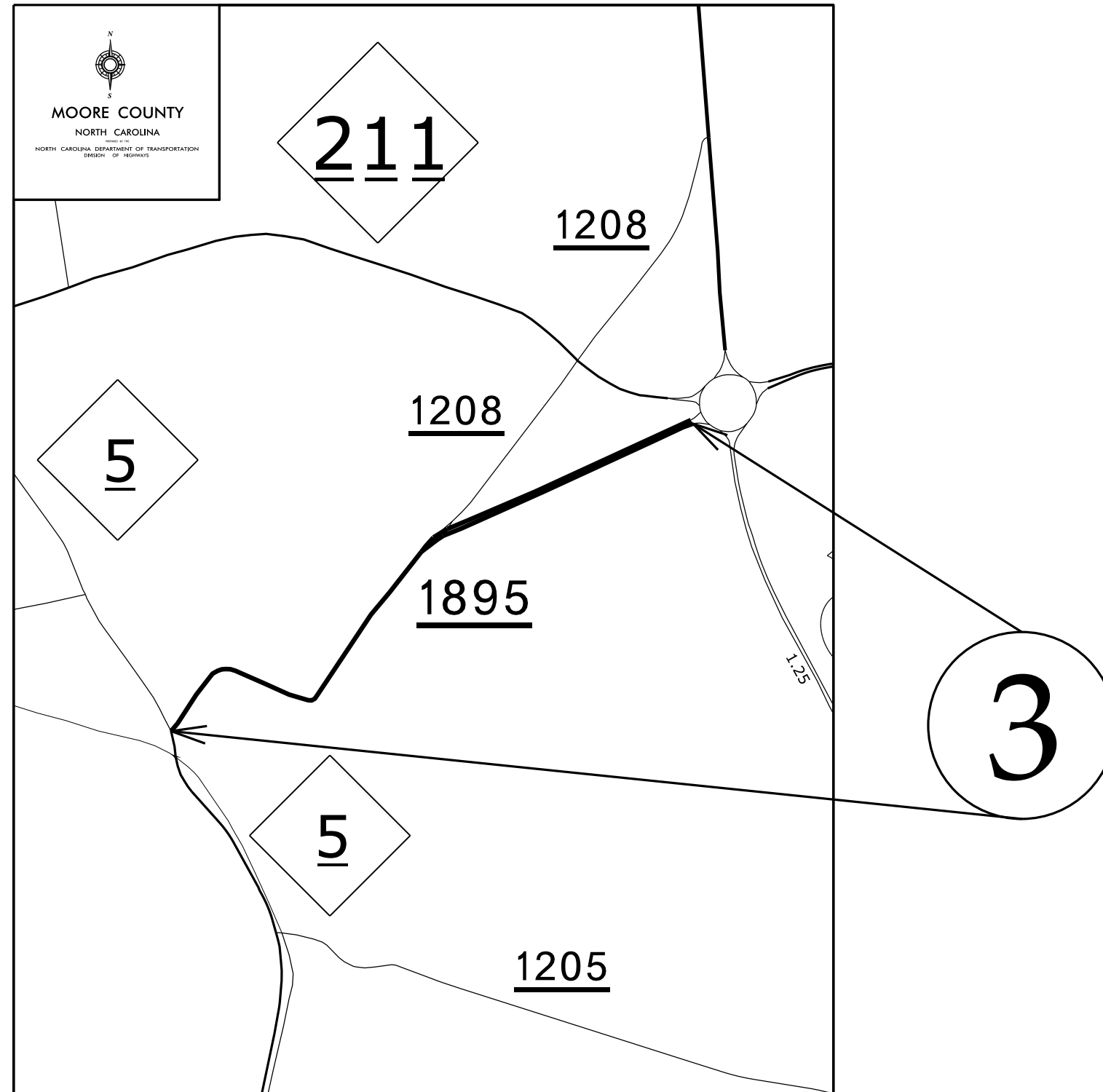


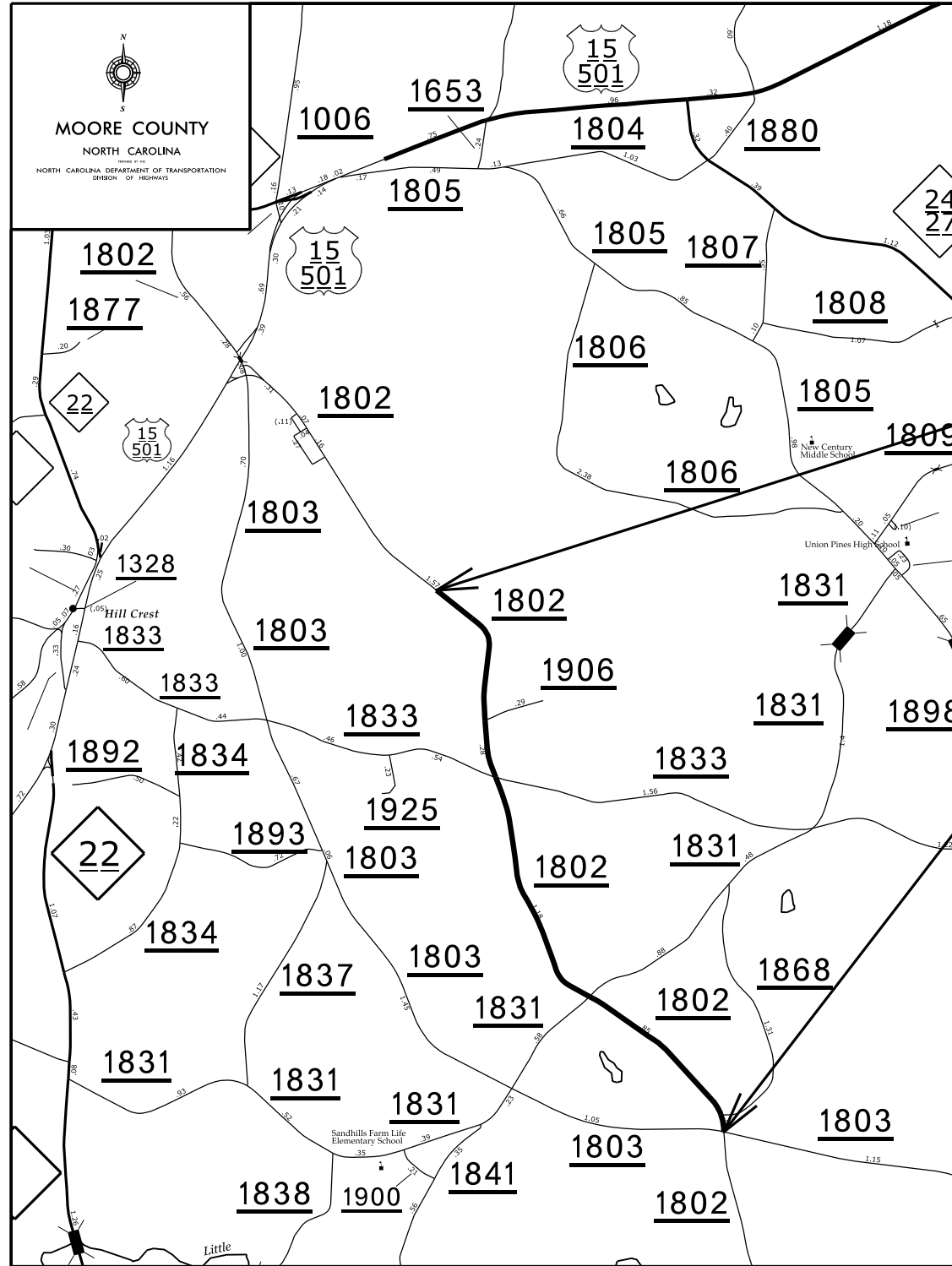
Maps 1 and 2



Map 3

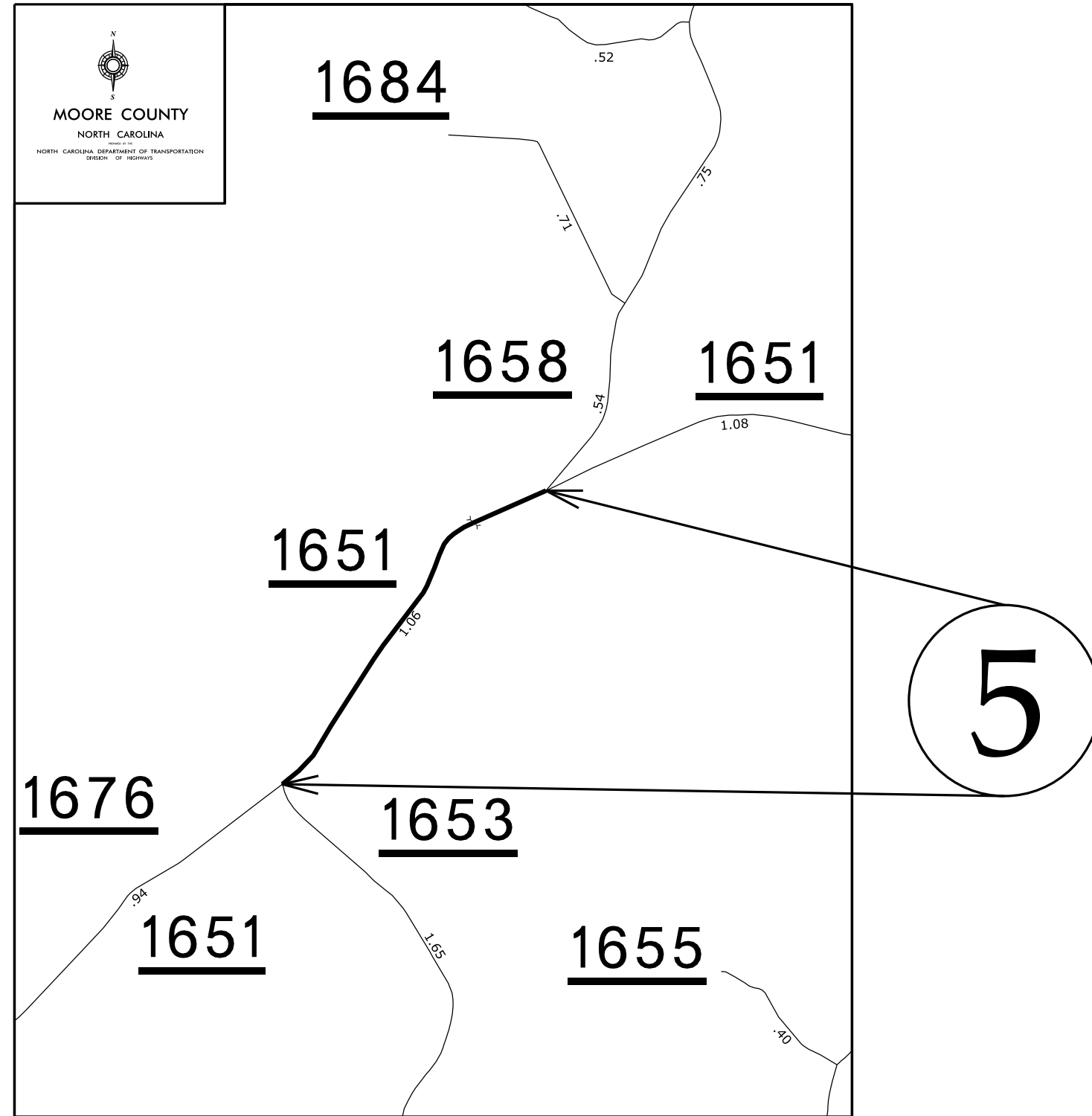


Map 4

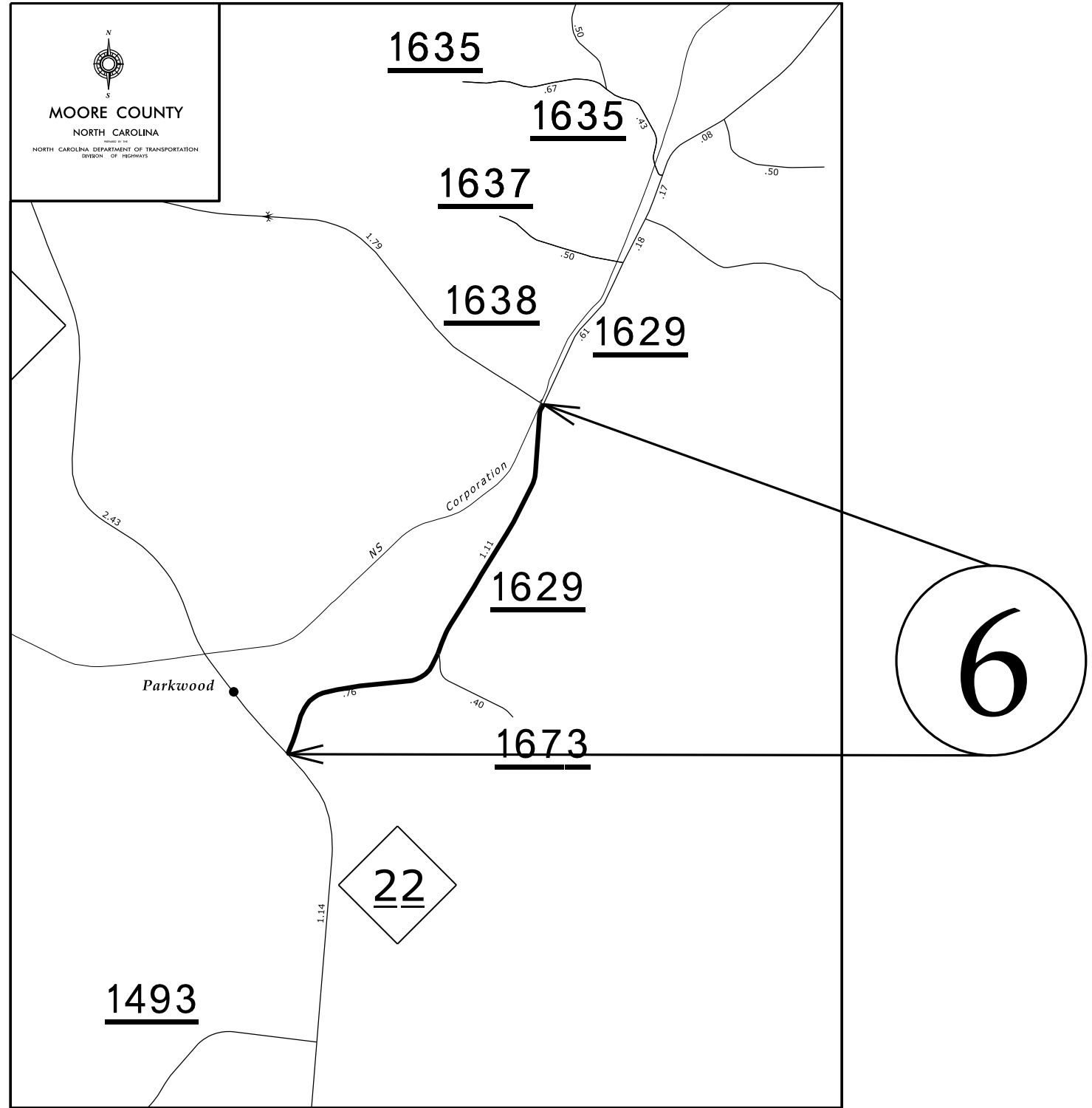


4

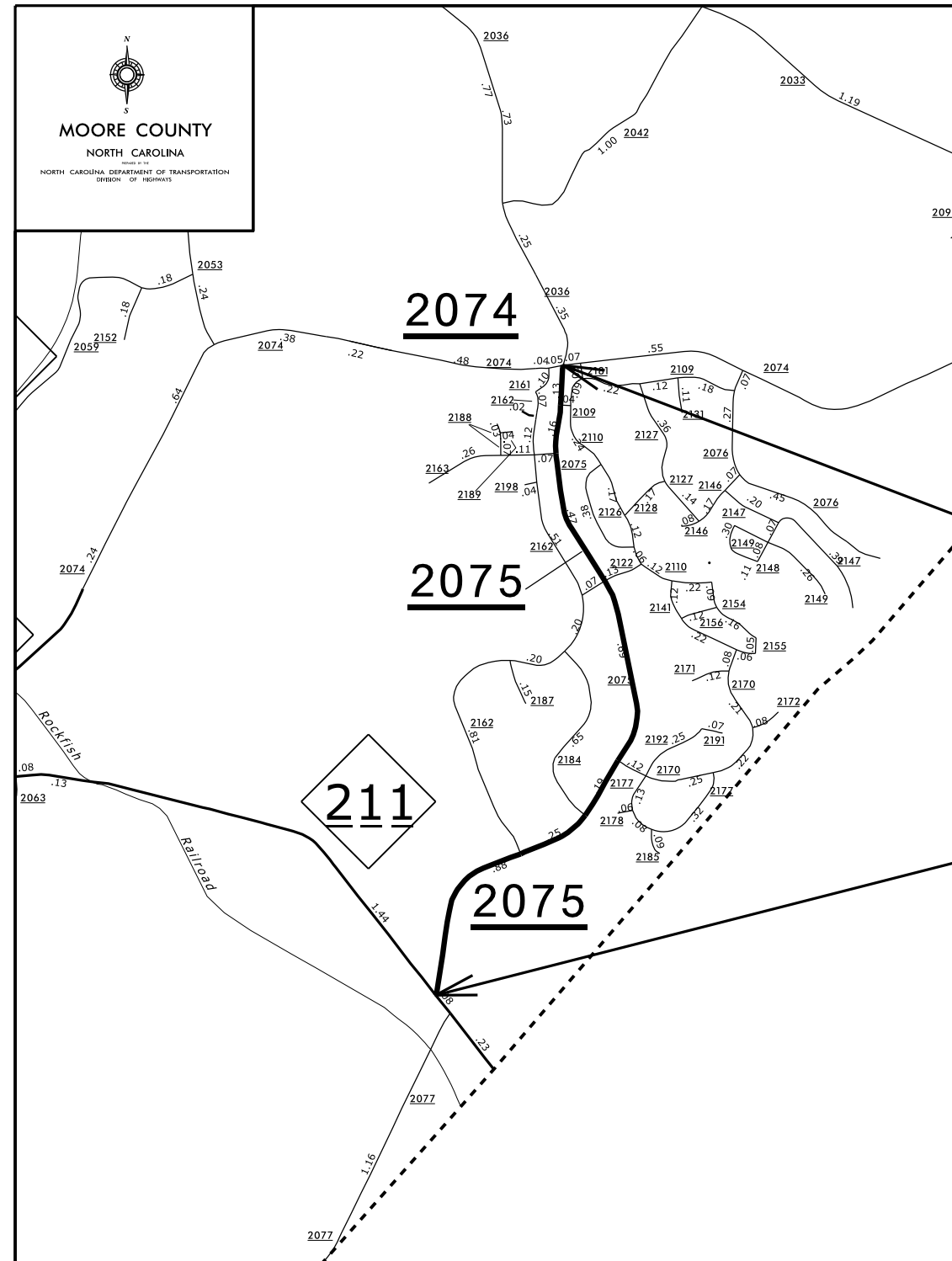
Map 5

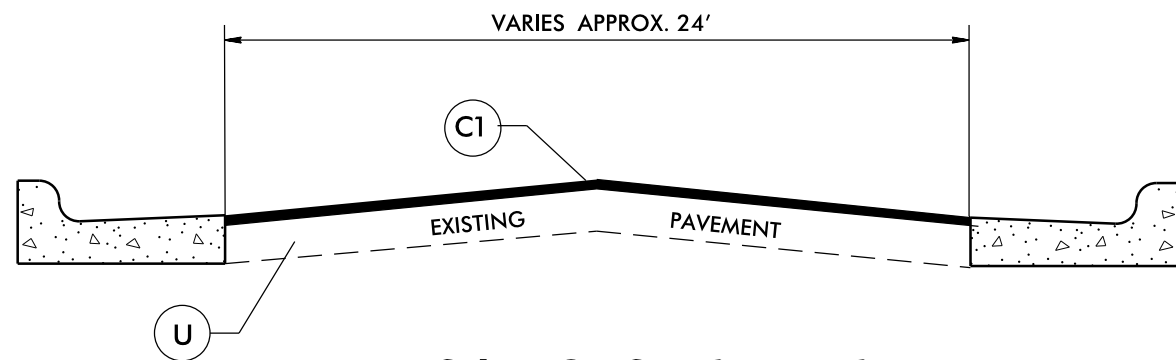


Map 6

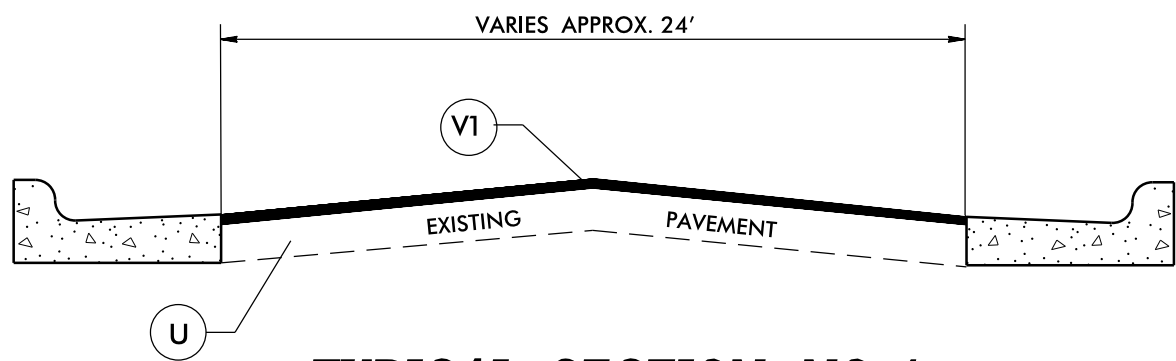


Map 7





TYPICAL SECTION NO. 3
 USE FOR SECTION OF MAP 1 FROM
 NC 5 TO END OF CURB AND GUTTER



TYPICAL SECTION NO. 4
 USE FOR SECTION OF MAP 1 FROM
 NC 5 TO END OF CURB AND GUTTER

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
S	AGGREGATE SHOULDER BORROW (BY STATE FORCES)
U	EXISTING PAVEMENT.
V1	MILLING 1.5" IN DEPTH
V2	TRENCHING FOR BASE COURSE (SEE S.P.)

SHOULDER RECONSTRUCTION TO BE HANDLED BY STATE FORCES.

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.08.02.10631, 2023CPT.08.02.20631	14	

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	1297000000-E	1330000000-E	1491000000-E	1503000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	5255000000-N		
												1.5" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	PORTABLE LIGHTING		
												MI	FT	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	LS
2023CPT.08.02.10631	Moore	1	US 1 NBL	FROM PVMNT JT 60' SOUTH ON RICHMOND CO SIDE TO BRIDGE DECK , THEN FROM BRIDGE DECK NORTH 2300'	1,2	2	MD	NO	NO	0.44	34	7,179	500				710	43				
TOTAL FOR MAP NO. 1										0.44		7,179	500				710	43				
2023CPT.08.02.10631	Moore	2	US 1 SBL	FROM 2250' NORTH OF BRIDGE DECK TO BRIDGE DECK, THEN FROM BRIDGE DECK ON RICHMOND CO SIDE 60' SOUTH	1,2	2	MD	NO	NO	0.44	34	7,200	500				820	49				
TOTAL FOR MAP NO. 2										0.44		7,200	500				820	49				
TOTAL FOR PROJ NO. 2023CPT.08.02.10631										0.88		14,379	1,000				1,530	92				
2023CPT.08.02.20631	Moore	3	SR 1895 (OLD NC 2)	FROM NC 5 TO TRAFFIC CIRCLE	3,4,5	2	2WU	NO	NO	1.43	24	1,390	1,754			2,477		166		1		
TOTAL FOR MAP NO. 3										1.43		1,390	1,754			2,477		166		1		
2023CPT.08.02.20631	Moore	4	SR 1802 (NIAGARA CARTHAGE)	FROM HOLLY CIRCLE (PRIVATE DR) SOUTH TO SR 1803 (VASS-CARTHAGE RD)	7,8	2	2WU	NO	NO	3.15	21		200	502		3,356		253		120		
TOTAL FOR MAP NO. 4										3.15			200	502		3,356		253		120		
2023CPT.08.02.20631	Moore	5	SR 1651 (OLD RIVER RD)	FROM SR 1653 (PRIEST HILL RD) TO SR 1658 (WADSWORTH RD)	6	2	2WU	NO	NO	1.05	21		200		1,634	1,203		164		100		
TOTAL FOR MAP NO. 5										1.05			200		1,634	1,203		164		100		
2023CPT.08.02.20631	Moore	6	SR 1629 (PUTNAM GLENDON RD)	FROM NC 22 HWY TO SR 1638 (PUTNAM CHURCH RD)	8	2	2WU	NO	NO	1.78	20					1,920		133		100		
TOTAL FOR MAP NO. 6										1.78						1,920		133		100		
2023CPT.08.02.20631	Moore	7	SR 2075 (E INDIANA AVE)	FROM SR 2074 (FORT BRAGG RD) TO NC 211	8	2	2WU	NO	NO	2.42	24		300			3,315		227		100		
TOTAL FOR MAP NO. 7										2.42			300			3,315		227		100		
TOTAL FOR PROJ NO. 2023CPT.08.02.20631										9.83		1,390	2,454	502	1,634	12,271		943	420	1		
GRAND TOTAL										10.71		15,769	3,454	502	1,634	12,271		1,530	1,035	420	1	

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.08.02.10631, 2023CPT.08.02.20631	15	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	4413000000-E		4457000000-N	4510000000-N	4685000000-E		4695000000-E		4720000000-E			
								WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	8" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	THERMO MSG SOUTH 90 M	THERMO MSG ONLY 90 M	THERMO MSG US 15 501 90 M		
								MI	FT	SF	LS	HR	LF	LF	LF	LF	EA	EA	EA
2023CPT.08.02.10631	Moore	1	US 1 NBL	FROM PVMNT JT 60' SOUTH ON RICHMOND CO SIDE TO BRIDGE DECK , THEN FROM BRIDGE DECK NORTH 2300'	1,2	2	MD	0.44	34	126									
TOTAL FOR MAP NO. 1							0.44		126										
2023CPT.08.02.10631	Moore	2	US 1 SBL	FROM 2250' NORTH OF BRIDGE DECK TO BRIDGE DECK, THEN FROM BRIDGE DECK ON RICHMOND CO SIDE 60' SOUTH	1,2	2	MD	0.44	34	130									
TOTAL FOR MAP NO. 2							0.44		130										
TOTAL FOR PROJ NO. 2023CPT.08.02.10631							0.88		256										
												8,602							
2023CPT.08.02.20631	Moore	3	SR 1895 (OLD NC 2)	FROM NC 5 TO TRAFFIC CIRCLE	3,4,5	2	2WU	1.43	24	130									
TOTAL FOR MAP NO. 3							1.43		130										
2023CPT.08.02.20631	Moore	4	SR 1802 (NIAGARA CARTHAGE)	FROM HOLLY CIRCLE (PRIVATE DR) SOUTH TO SR 1803 (VASS-CARTHAGE RD)	7,8	2	2WU	3.15	21	353									
TOTAL FOR MAP NO. 4							3.15		353										
2023CPT.08.02.20631	Moore	5	SR 1651 (OLD RIVER RD)	FROM SR 1653 (PRIEST HILL RD) TO SR 1658 (WADSWORTH RD)	6	2	2WU	1.05	21	117									
TOTAL FOR MAP NO. 5							1.05		117										
2023CPT.08.02.20631	Moore	6	SR 1629 (PUTNAM GLENDON RD)	FROM NC 22 HWY TO SR 1638 (PUTNAM CHURCH RD)	8	2	2WU	1.78	20	200									
TOTAL FOR MAP NO. 6							1.78		200										
2023CPT.08.02.20631	Moore	7	SR 2075 (E INDIANA AVE)	FROM SR 2074 (FORT BRAGG RD) TO NC 211	8	2	2WU	2.42	24	271									
TOTAL FOR MAP NO. 7							2.42		271										
TOTAL FOR PROJ NO. 2023CPT.08.02.20631							9.83		1,071										
												72,978		1,458		24			
GRAND TOTAL							10.71		1,327	1	70	49,649	31,931	838	620	5	12	7	
												81,580		1,458		24			

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.08.02.10631, 2023CPT.08.02.20631	16	

THERMOPLASTIC AND PAINT QUANTITIES

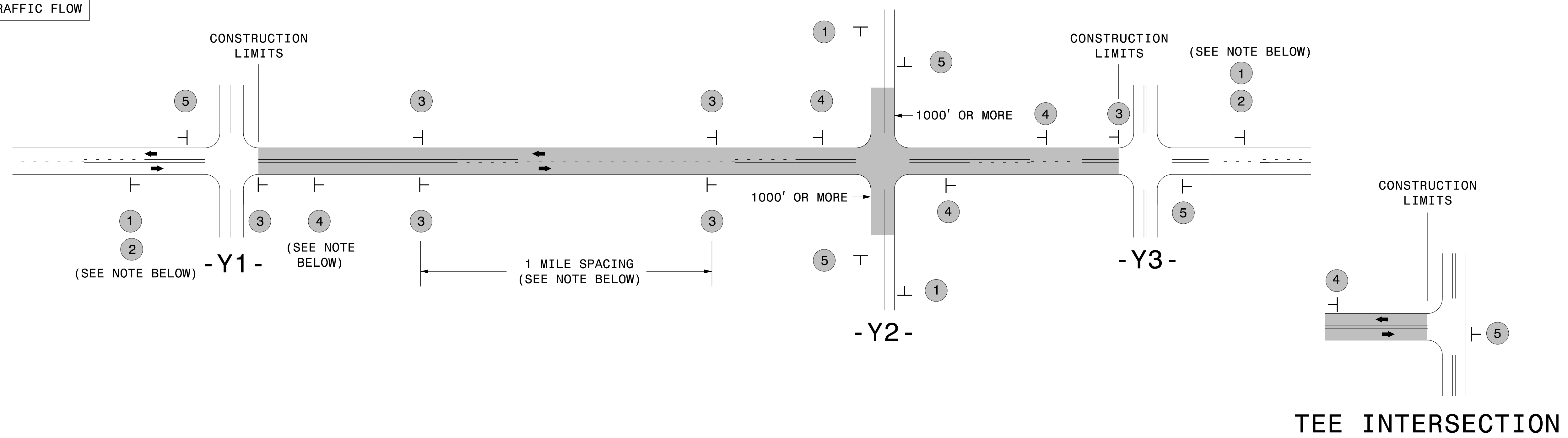
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4725000000-E						4810000000-E		4820000000-E		4835000000-E	4840000000-N		4845000000-N				4850000000-E	4905100000-N	
										THERMO STR & LT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO RT ARROW 90 M	THERMO 24" YIELD TRIANGLE	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	8" YELLOW PAINT	24" WHITE PAINT	PAINT MSG STOP	PAINT MSG AHEAD	PAINT STR ARROW	PAINT LT ARROW	PAINT STR & RT ARROW	PAINT YIELD LINE TRIANGLE	4" LINE REMOVAL	NON-CAST IRON SNOW-PLOWABLE PAVEMENT MARKER (C&R)	NON-CAST IRON SNOW-PLOWABLE PAVEMENT MARKER (Y&Y)
										EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA
2023CPT.08.02.10631	Moore	1	US 1 NBL	FROM PVMNT JT 60' SOUTH ON RICHMOND CO SIDE TO BRIDGE DECK , THEN FROM BRIDGE DECK NORTH 2300'	1,2	2	MD	0.44	34							4,315	1,926											1,046	42
TOTAL FOR MAP NO. 1								0.44								4,315	1,926											1,046	42
2023CPT.08.02.10631	Moore	2	US 1 SBL	FROM 2250' NORTH OF BRIDGE DECK TO BRIDGE DECK, THEN FROM BRIDGE DECK ON RICHMOND CO SIDE 60' SOUTH	1,2	2	MD	0.44	34							4,591	1,954											1,046	42
TOTAL FOR MAP NO. 2								0.44								4,591	1,954											1,046	42
TOTAL FOR PROJ NO. 2023CPT.08.02.10631								0.88								8,906	3,880											2,092	84
										12,786														84					
2023CPT.08.02.20631	Moore	3	SR 1895 (OLD NC 2)	FROM NC 5 TO TRAFFIC CIRCLE	3,4,5	2	2WU	1.43	24	8	1	1	4	1	24	232	1,200	620	838					1	1	1	24		100
TOTAL FOR MAP NO. 3								1.43		8	1	1	4	1	24	232	1,200	620	838					1	1	1	24		100
2023CPT.08.02.20631	Moore	4	SR 1802 (NIAGARA CARTHAGE)	FROM HOLLY CIRCLE (PRIVATE DR) SOUTH TO SR 1803 (VASS-CARTHAGE RD)	7,8	2	2WU	3.15	21							33,264	50,294					45	8	10					
TOTAL FOR MAP NO. 4								3.15								33,264	50,294					45	8	10					
2023CPT.08.02.20631	Moore	5	SR 1651 (OLD RIVER RD)	FROM SR 1653 (PRIEST HILL RD) TO SR 1658 (WADSWORTH RD)	6	2	2WU	1.05	21							11,298	10,756												
TOTAL FOR MAP NO. 5								1.05								11,298	10,756												
2023CPT.08.02.20631	Moore	6	SR 1629 (PUTNAM GLENDON RD)	FROM NC 22 HWY TO SR 1638 (PUTNAM CHURCH RD)	8	2	2WU	1.78	20							18,700	17,205												
TOTAL FOR MAP NO. 6								1.78								18,700	17,205												
2023CPT.08.02.20631	Moore	7	SR 2075 (E INDIANA AVE)	FROM SR 2074 (FORT BRAGG RD) TO NC 211	8	2	2WU	2.42	24																			160	
TOTAL FOR MAP NO. 7								2.42																				160	
TOTAL FOR PROJ NO. 2023CPT.08.02.20631								9.83		8	1	1	4	1	24	63,494	79,455	620	838	45	8	10	1	1	1	24		260	
										39						142,949		1,458		18		27				260			
GRAND TOTAL								10.71		8	1	1	4	1	24	72,400	83,335	620	838	45	8	10	1	1	1	24	2,092	84	260
										39						155,735		1,458		18		27				344			

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. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 NEXT XX MILES 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	 END ROAD WORK 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.	

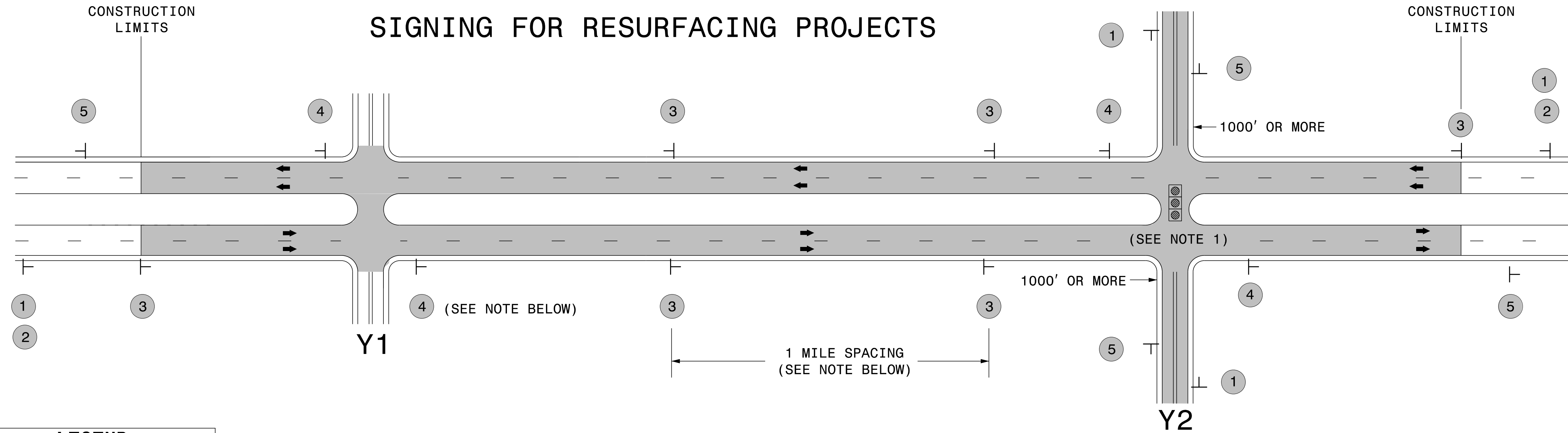
THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

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



LEGEND
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#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)</p>	<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, ADVANCE WARNING PORTABLE 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;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 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.
		<p>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.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

3/23/2015
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 User:rmgarrrett

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