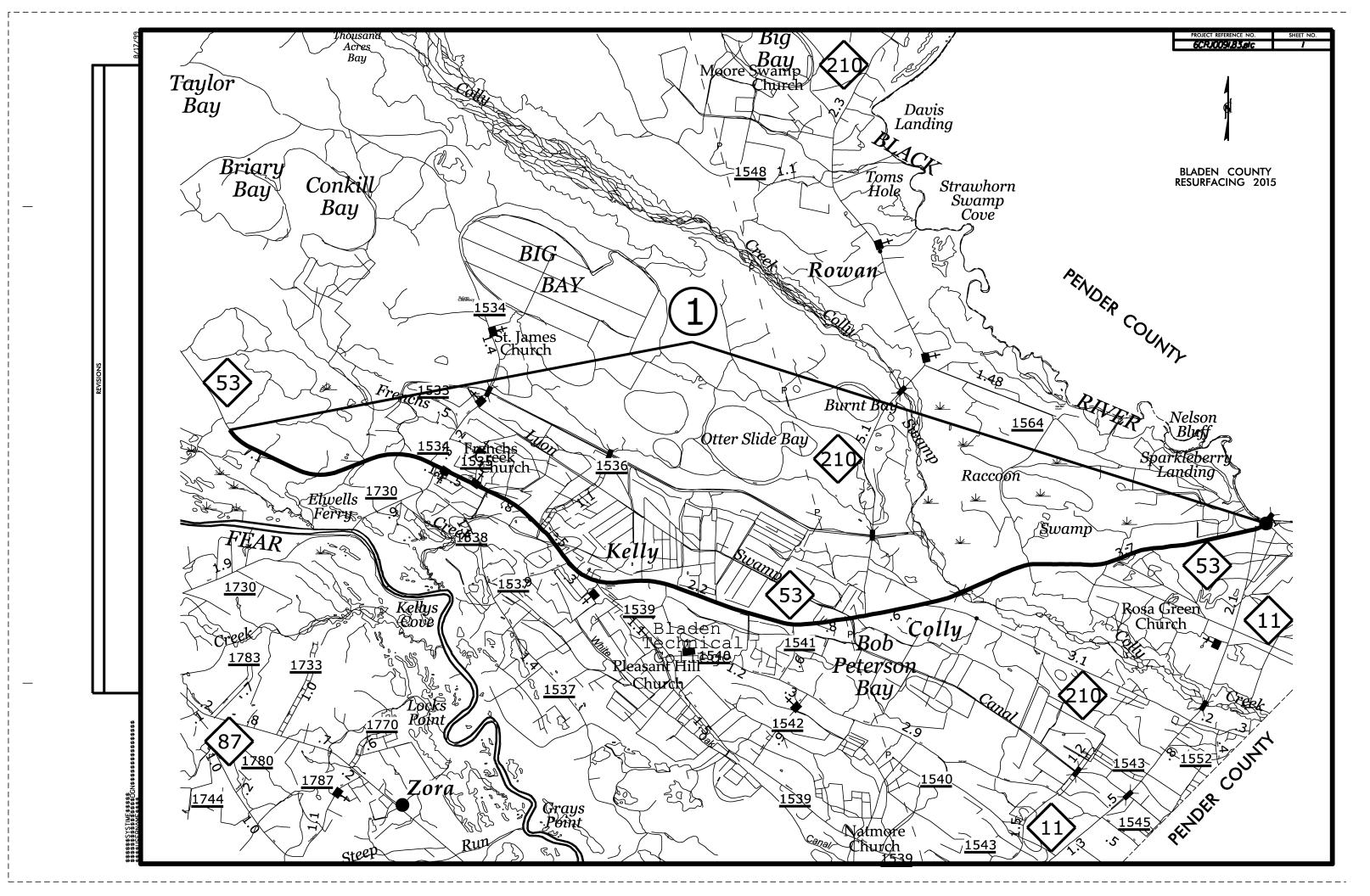
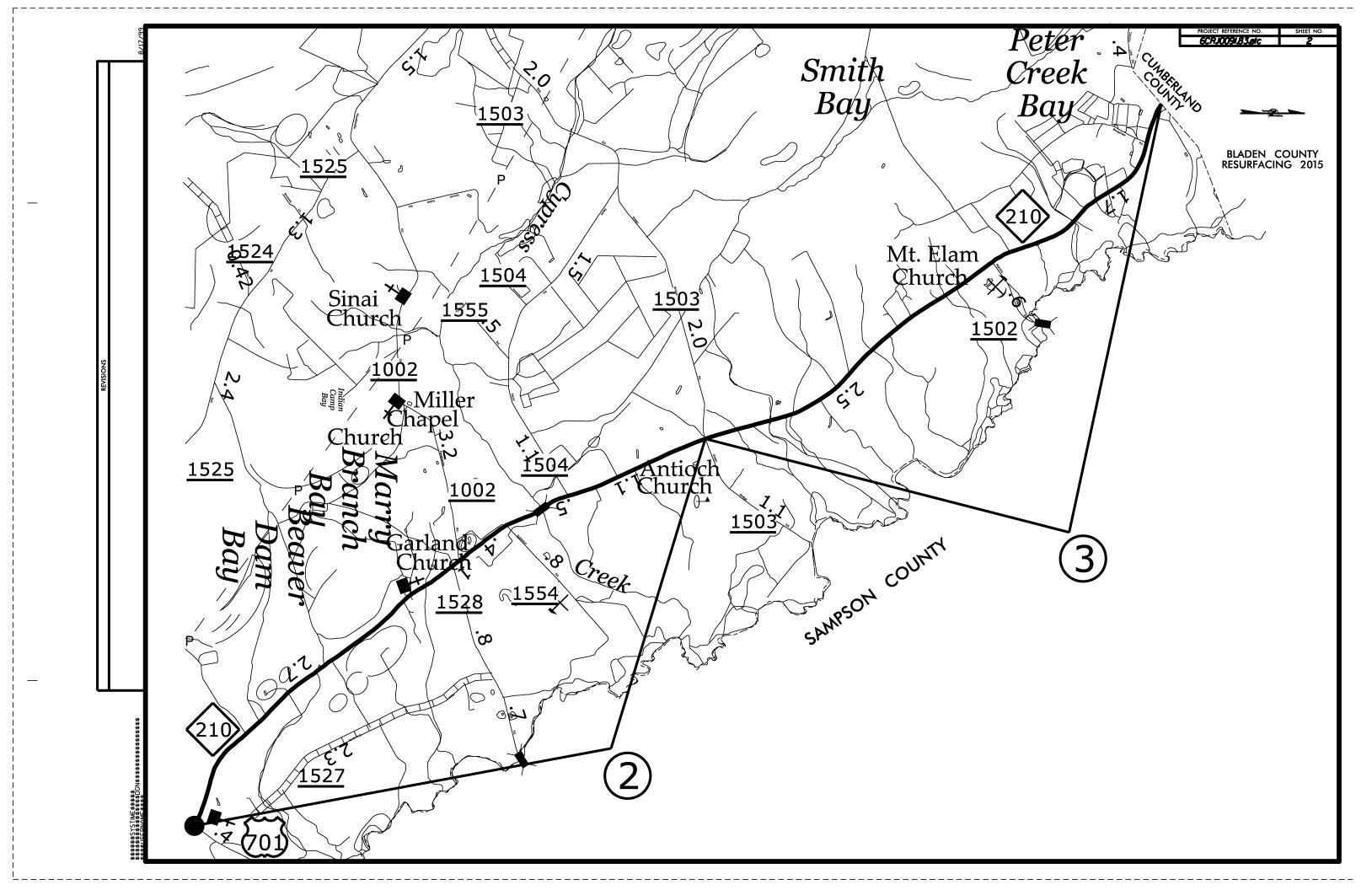
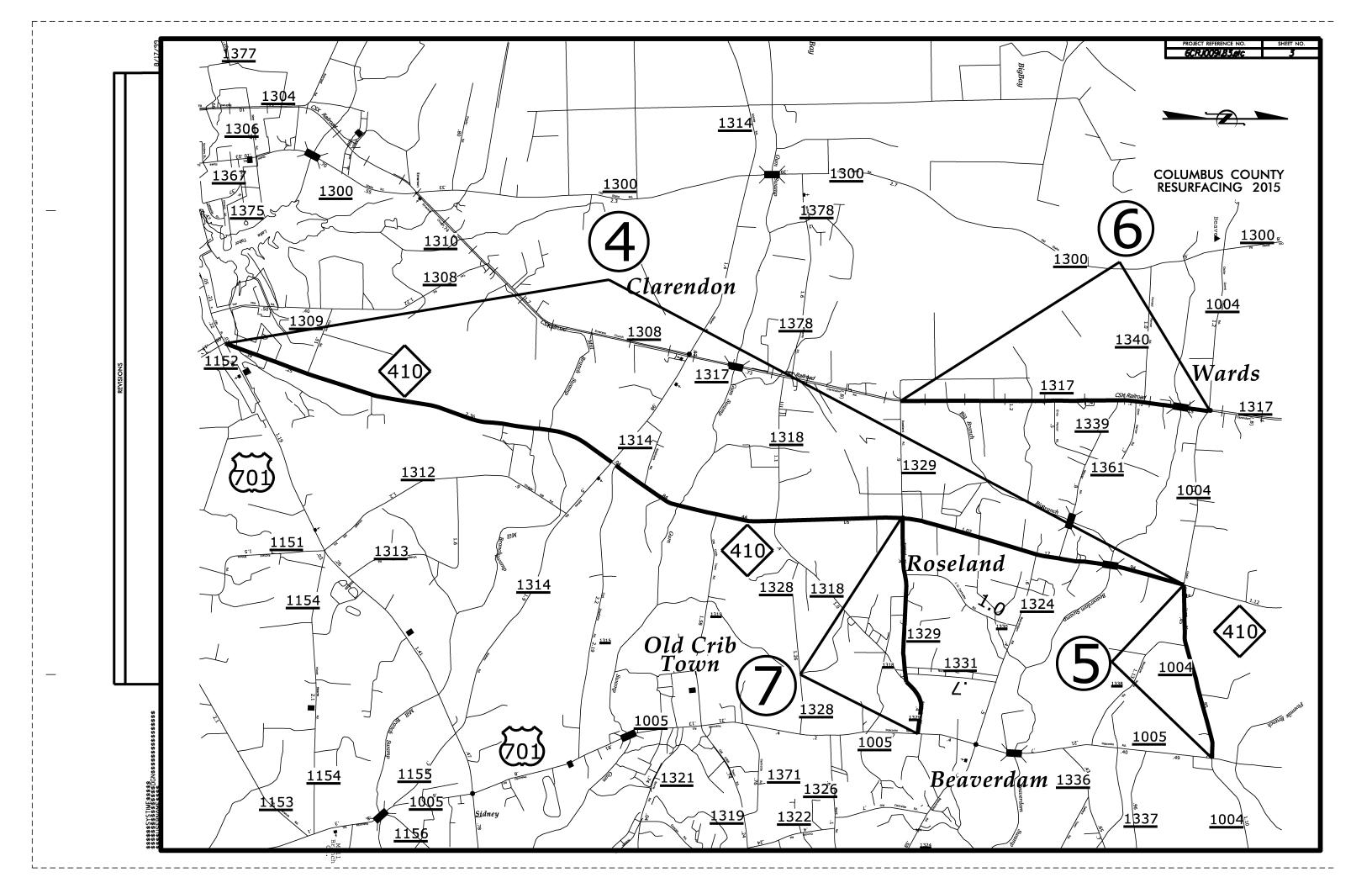
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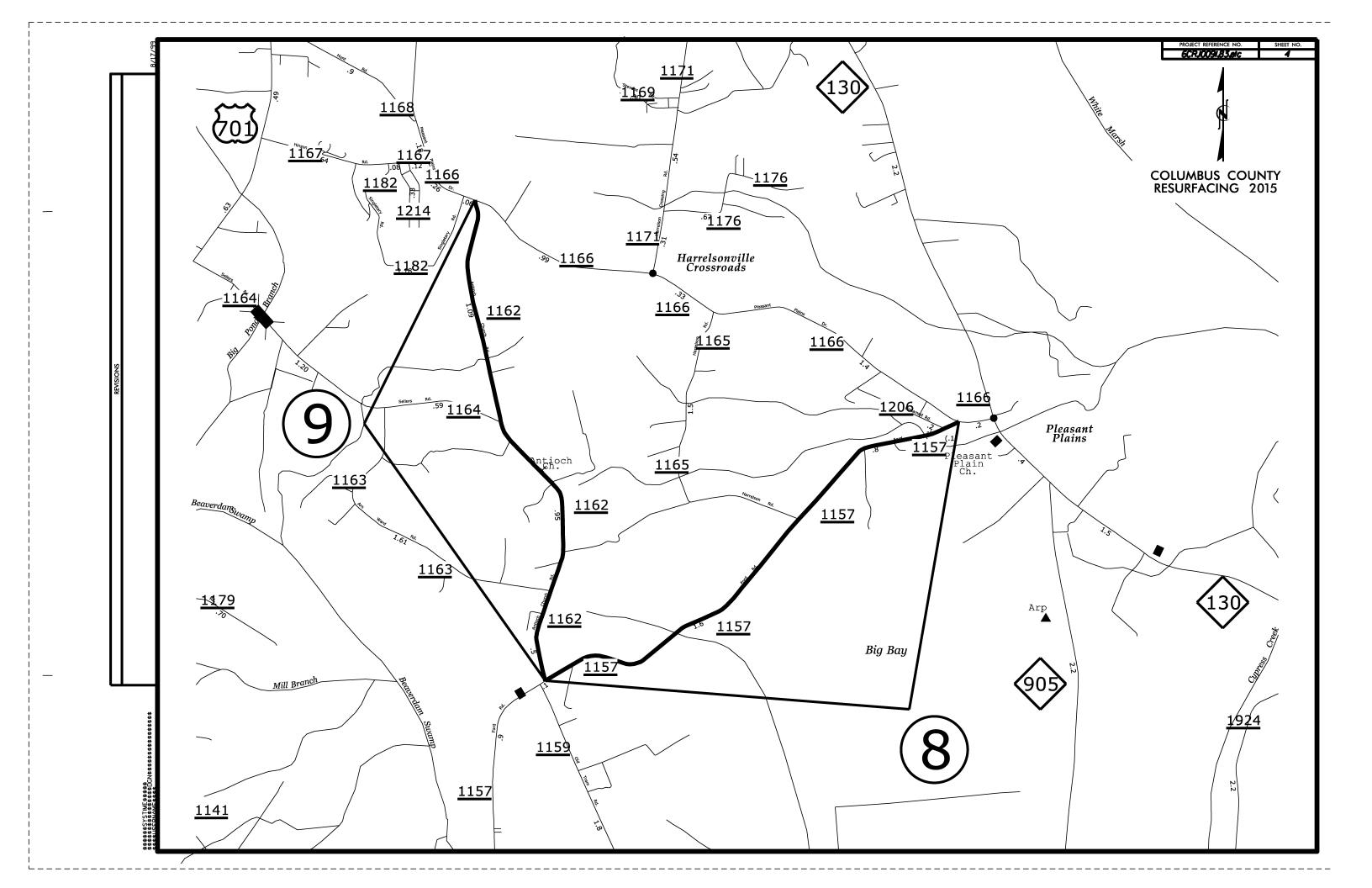
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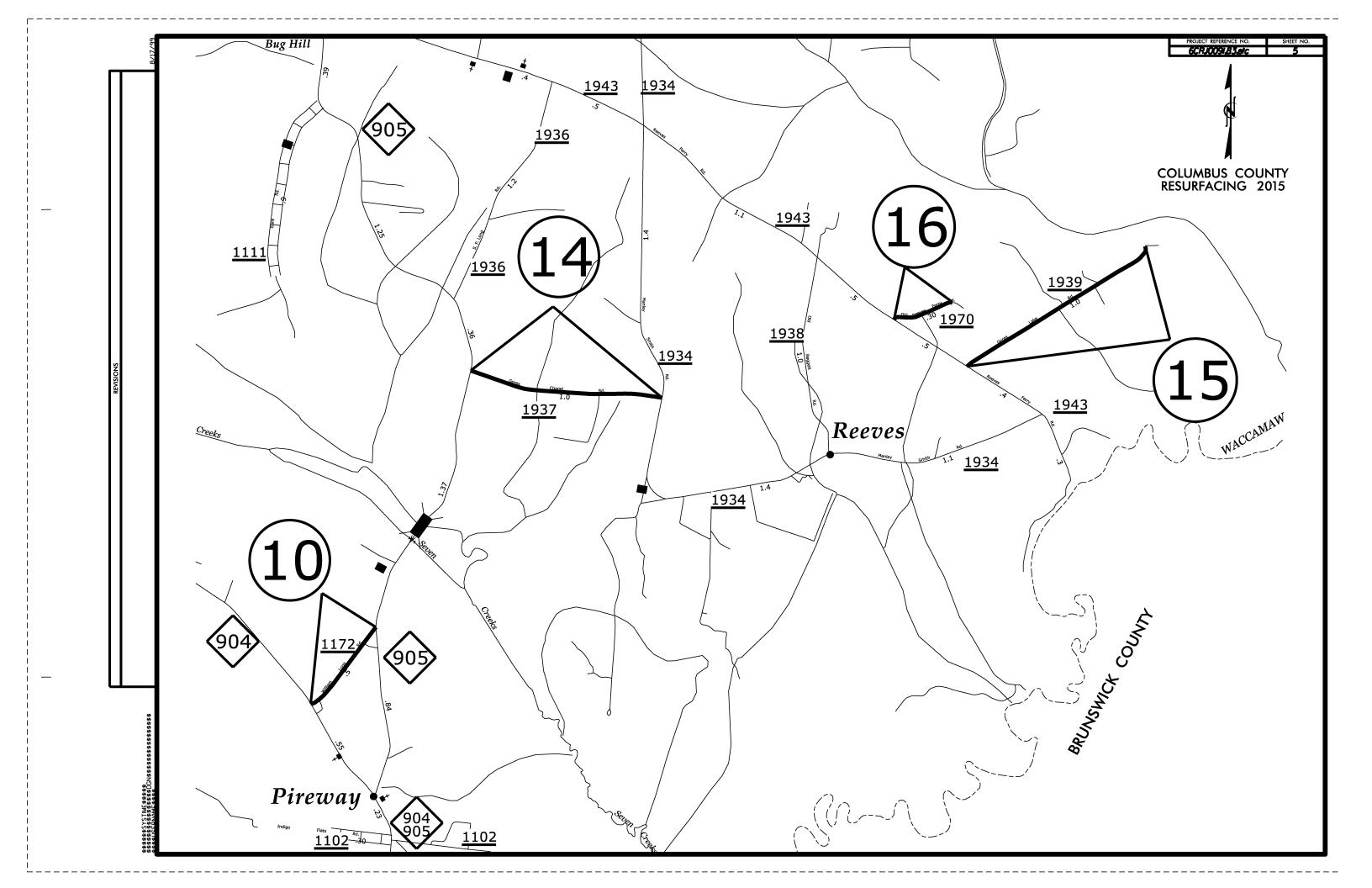
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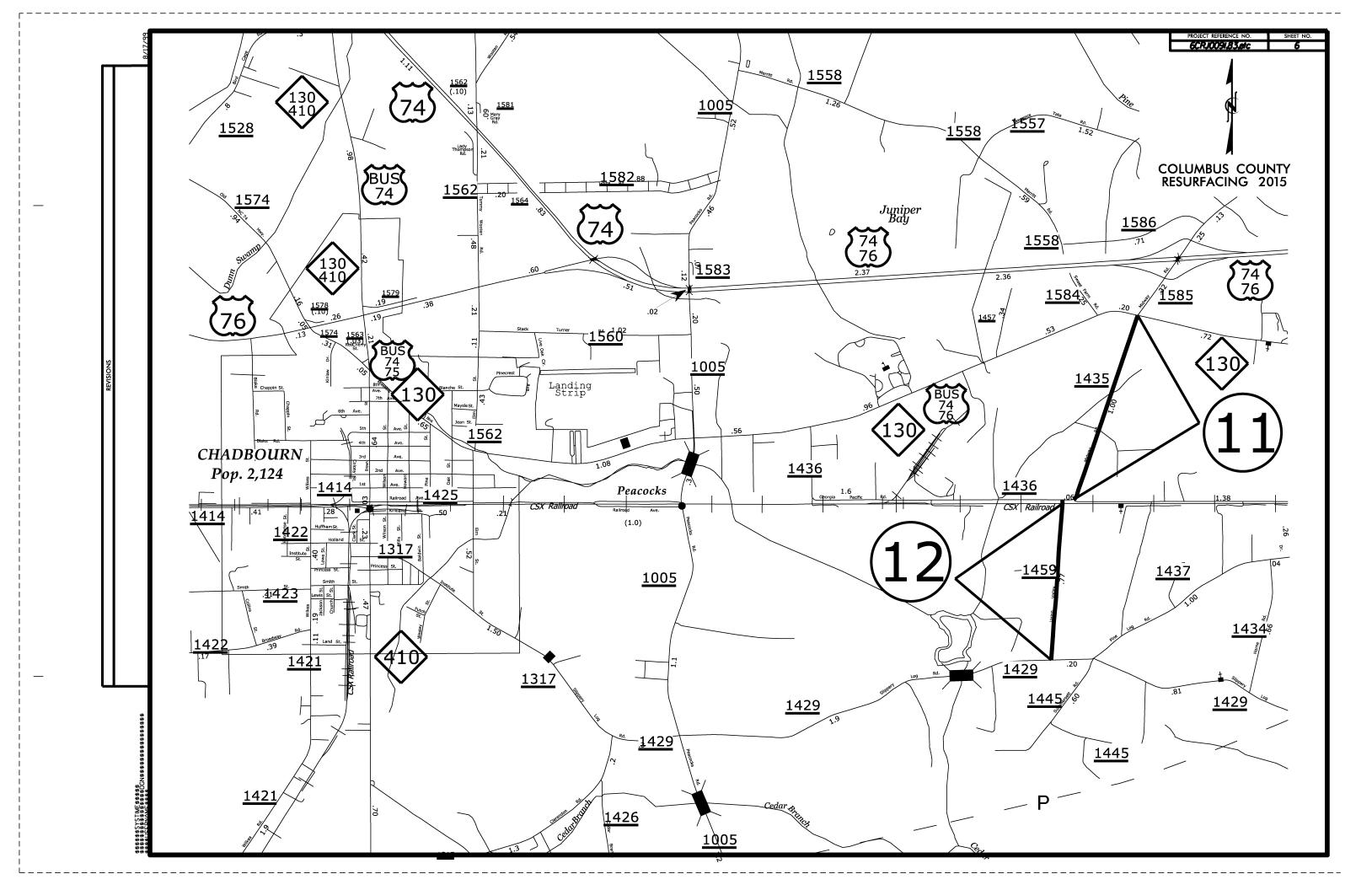


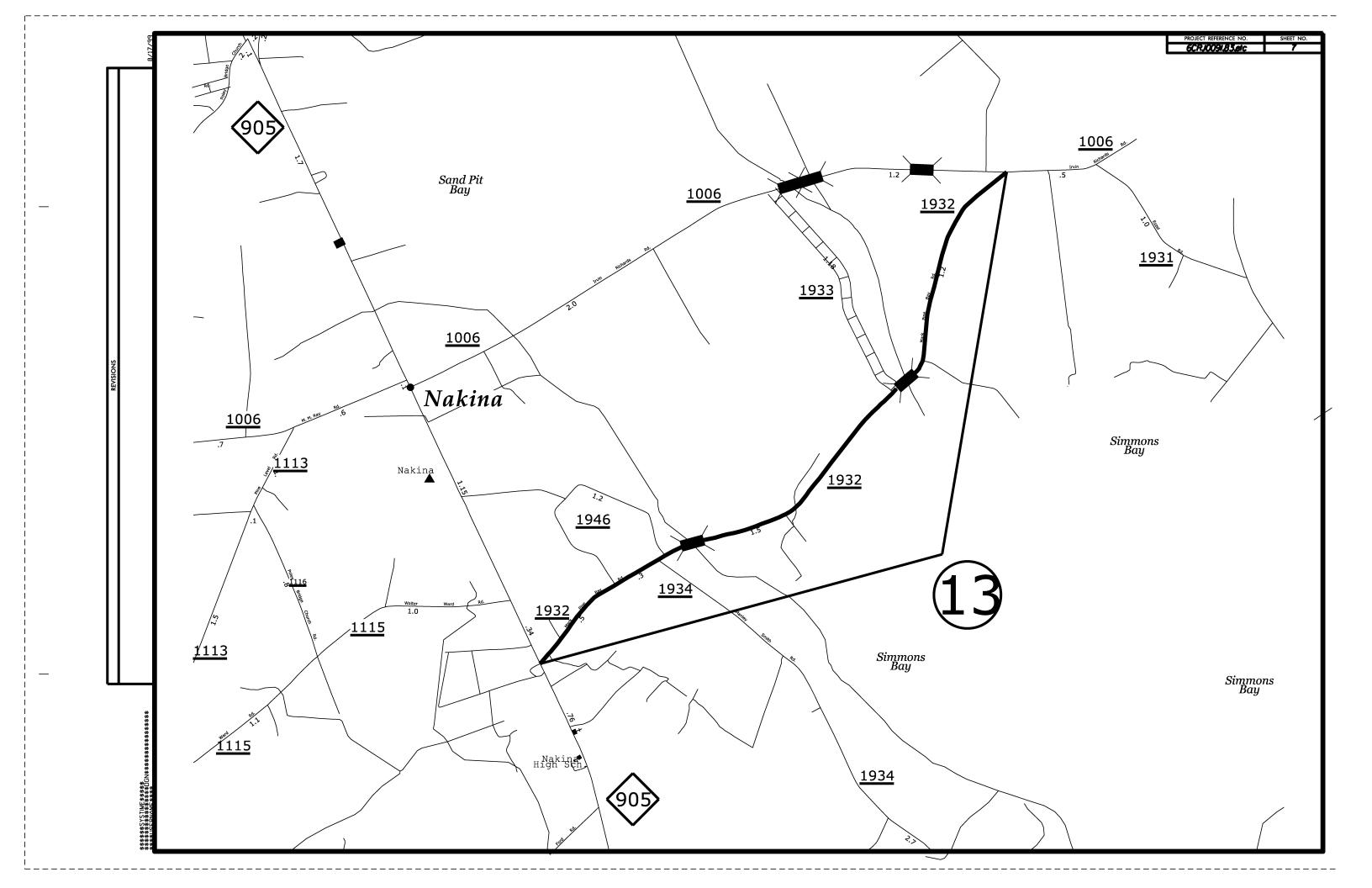


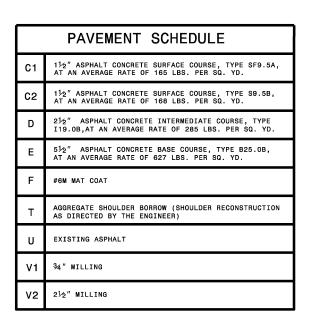


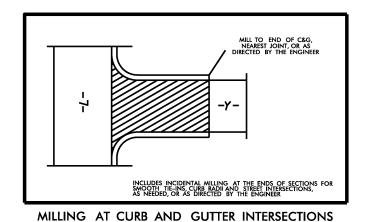


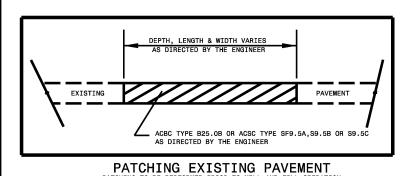


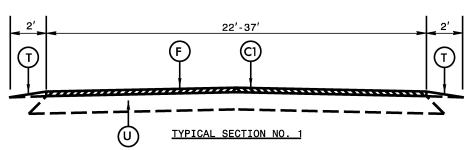




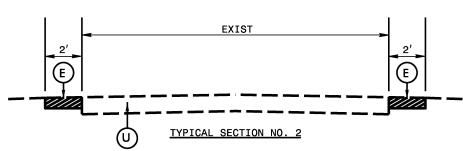




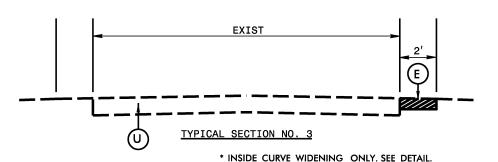


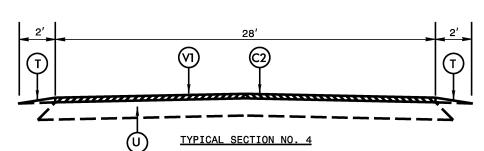


* PLUS INSIDE CURVE WIDENING. SEE DETAIL.

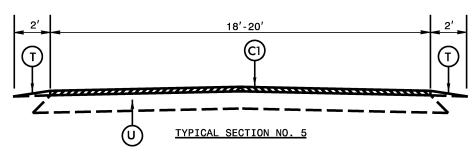


* PLUS INSIDE CURVE WIDENING. SEE DETAIL.

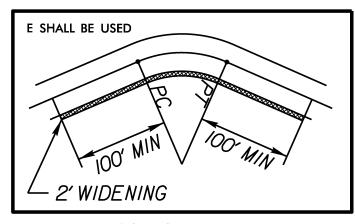




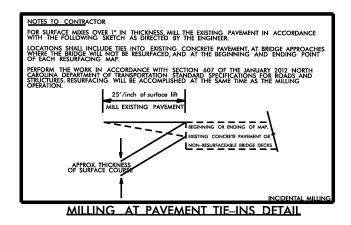
- * PLUS INSIDE CURVE WIDENING. SEE DETAIL.
- * INCLUDES PAVEMENT PATCHING. SEE DETAIL.

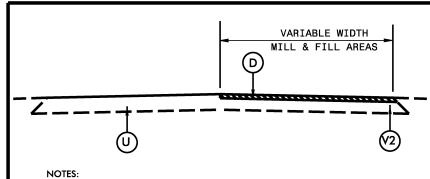


- * PLUS INSIDE CURVE WIDENING. SEE DETAIL.
- * INCLUDES PAVEMENT PATCHING. SEE DETAIL.



INSIDE CURVE WIDENING ALL MAPS





- 1. DISTRESSED AREAS TO BE REPAIRED BY MILL & FILL SHALL BE DESIGNATED BY THE ENGINEER
- FILL MILLED AREAS WITH ASPHALT INTERMEDIATE COURSE BACK FLUSH WITH THE EXISTING ASPHALT LEFT IN PLACE, PRIOR TO PLACEMENT OF PROPOSED ASPHALT SURFACE COURSE.

MILL AND FILL PAVEMENT REPAIR

PROJECT NO.	SHEET NO.	TOTAL NO.
6CR.10091.83, ETC	9	

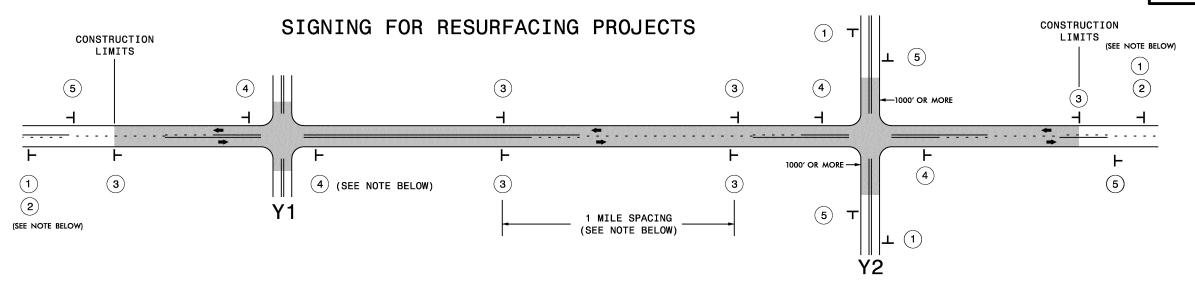
SUMMARY OF QUANTITIES

	JOHNWAKT OF QUARTITIES																									
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANE	LANE	FINAL	WARM	LENGTH	WIDTH	AGGREGATE	SHOULDER	3/4"	2.5"	INCIDENTAL	BASE	INTERMEDIATE	SURFACE	LEVELING	SURFACE	LEVELING	ASPH.	PATCHING	AST MAT	EMULSION
						S	TYPE	SURFACE	MIX			SHOULDER	RECONSTR	MILLING	MILLING	MILLING	COURSE,	COURSE, 119.0B	COURSE,	COURSE,	COURSE,	COURSE,	BINDER	EXISTING	COAT #6M	FOR
								TESTING	ASPHALT			BORROW	UCTION				B25.0B		S9.5B	S9.5B	SF9.5A	SF9.5A		PAVEMENT		ASPHALT
								REQUIRE	REQUIRE																	SURFACE
								D	D																	TREATMENT
NO		NO			NO					мі	FT	TON	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	SY	GAL
6CR.10091.83	Bladen	1	NC 53	FROM PENDER CL TO NEW CJ	1	2	2WU	NO	NO	12	22	4,001	24.0			2,376	1,361				13,222		946	86	154,880	66,598
6CR.10091.83	Bladen	2	NC 210 - A	FROM US 701 TO SR 1503	2	2	2WU	NO	NO	4.73	19	1,577	9.5				4,025						177			
6CR.10091.83	Bladen	3	NC 210 - B	FROM SR 1503 TO CUMBERLAND CL	3	2	2WU	NO	NO	4.2	22	430	1.3				489						22			
TOTAL FO	R PROJ NO.	6CR.10	091.83							20.93		6,008	34.8			2,376	5,875				13,222		1,145	86	154,880	66,598
6CR.10241.83	Columbus	4	NC 410	FROM US 701 TO SR 1004	4	2	2WU	NO	NO	7.38	28	2.461	14.8	121,229	24,640	1,190	681	3,511	10,517	127			838	37		
	R PROJ NO.									7.38		2,461	14.8	121,229	24,640	1,190	681	3,511	10,517	127			838	37		
					-		I							, , , , , , , , , , , , , , , , , , ,			1		,					·	1	
6CR.20241.83		5	SR 1004	FROM NC 410 TO SR 1005	5	2	2WU	NO	NO	1.3	22	433	2.6		252	89	121	36			1,441	14	104	13		
6CR.20241.83		6	SR 1317	FROM SR 1329 TO SR 1004	5	2	2WU	NO	NO	2.27	18	757	4.5			644	85				2,062	261	158	114		\leftarrow
6CR.20241.83		7	SR 1329	FROM SR 1005 TO NC 410	5	2	2WU	NO	NO	1.63	18	543	3.3			89					1,445		97	16		
6CR.20241.83	Columbus	8	SR 1157	FROM SR 1166 TO SR 1162	5	2	2WU	NO	NO	2.53	18	843	5.1			178	331				2,341	33	173	25		(
6CR.20241.83	Columbus	9	SR 1162	FROM SR 1157 TO SR 1166	5	2	2WU	NO	NO	2.52	18	840	5.0			178	331				2,332	33	173	63		1
6CR.20241.83	Columbus	10	SR 1172	FROM NC 905 TO NC 904	5	2	2WU	NO	NO	0.49	18	163	1.0			178	55				491	85	40			1
6CR.20241.83	Columbus	11	SR 1435	FROM NC 130 TO SR 1436	5	2	2WU	NO	NO	0.94	20	313	1.9			89					935		63	24		
6CR.20241.83	Columbus	12	SR 1459	FROM SR 1429 TO SR 1436	5	2	2WU	NO	NO	0.78	20	260	1.6			89					780		52	20		
6CR.20241.83	Columbus	13	SR 1932	FROM SR 1006 TO NC 905	5	2	2WU	NO	NO	3.51	18	1,170	7.0			1,112	482				3,259	92	245	35		
6CR.20241.83	Columbus	14	SR 1937	FROM NC 905 TO SR 1934	5	2	2WU	NO	NO	0.95	20	317	1.9			89	103				971	14	70	24		
6CR.20241.83	Columbus	15	SR 1939	FROM SR 1943 TO DEAD END	5	2	2WU	NO	NO	1.06	20	354	2.1			44	55				1,053	29	75	11		
6CR.20241.83	Columbus	16	SR 1970	FROM SR 1943 TO END MAINT	5	2	2WU	NO	NO	0.3	18	100	0.6			44	74				293	91	28	12		
TOTAL FO	R PROJ NO.	6CR.20	241.83							18.28		6,093	36.6		252	2,823	1,637	36			17,403	652	1,278	357		
	GRAND TO	TAL								46.59		14,562	86.2	121,229	24,892	6,389	8,193	3,547	10,517	127	30,625	652	3,261	480	154,880	66,598

THERMOPLASTIC AND PAINT QUANTITIES

INERIVIOPLASTIC AND PAINT QUANTITIES																										
									44570000	4413000000	4685000000-E	468600	00000-E	4695	000000-Е	47050000	4710000000-E	47210000				4810000000-E		485000000	4900000	000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP L	ANE LANE	LENGTH	WIDTH	TEMP.	WORK	4" X 90 M	4" X 120 M	4" X 120	8" X 90	8" X 90 M	16" X	24" X 120 M	THERMO	THERMO	THERMO	THERMO	4" WHITE	4" YELLOW	4" LINE	CRYSTAL &	YELLOW
						S TYPE			TRAFFIC	ZONE	WHITE	WHITE	М	М	YELLOW	120 M	WHITE	RXR 120	LT	STR	RT	PAINT	PAINT	REMOVAL	RED	&
									CONTROL	ADVANCE/	THERMO	THERMO	YELLOW	WHITE	THERMO	WHITE	THERMO	М	ARROW	ARROW	ARROW				MARKERS	YELLOW
										GENERAL			THERMO	THERMO		THERMO			90 M	90 M	90 M				i	MARKER
										WARNING															i	s
										SIGNING															i	
NO		NO			NO				LS	SF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	EA
6CR.10091.83	Bladen	1	NC 53	FROM PENDER CL TO NEW CJ	1	2 2WU	12	22		1,344	128,000	250	108,280	250	170		24		2	2	1				30	815
6CR.10091.83	Bladen	2	NC 210 - A	FROM US 701 TO SR 1503	2	2 2WU	4.73	19	*	530	50,000		45,000											95,000	ĺ	325
6CR.10091.83	Bladen	3	NC 210 - B	FROM SR 1503 TO CUMBERLAND CL	3	2 2WU	4.2	22		470	44,000		39,600											83,600	i	300
TOTAL FO	R PROJ NO.	6CR 10	N91 83				20.93			2,344	222,000	250	192,880	250	170		24		2	2	1			178,600	30	1,440
TOTALTO	K 1 KO3 KO.	OCN.10	031.03									193	3,130		420					5					1,47	/0
					Т Т		1		*	1				l				1		1					<u> </u>	
6CR.10241.83	Columbus	4	NC 410	FROM US 701 TO SR 1004	4	2 2WU	7.38	28		827	78,200	750	73,000		350				7			78,200	73,000			510
											73,750			350								151,200)
6CR.20241.83	Columbus	5	SR 1004	FROM NC 410 TO SR 1005	5	2 2WU	1.3	22		146	14,000		11,900												1	95
6CR.20241.83			SR 1317	FROM SR 1329 TO SR 1004	5	2 2WU	2.27	18	1	254												48,000	38,400			165
6CR.20241.83	Columbus	7	SR 1329	FROM SR 1005 TO NC 410	5	2 2WU	1.63	18	1	183												34,800	31,320			
6CR.20241.83	Columbus	8	SR 1157	FROM SR 1166 TO SR 1162	5	2 2WU	2.53	18	1	283												54,000	48,600		i	
6CR.20241.83	Columbus	9	SR 1162	FROM SR 1157 TO SR 1166	5	2 2WU	2.52	18		282												54,000	48,600		1	
6CR.20241.83	Columbus	10	SR 1172	FROM NC 905 TO NC 904	5	2 2WU	0.49	18	*	55												10,800	9,180		ı	
6CR.20241.83	Columbus	11	SR 1435	FROM NC 130 TO SR 1436	5	2 2WU	0.94	20		105												20,000	16,000			
6CR.20241.83	Columbus	12	SR 1459	FROM SR 1429 TO SR 1436	5	2 2WU	0.78	20		87						100	70	4				16,400	13,940		ĺ	
6CR.20241.83	Columbus	13	SR 1932	FROM SR 1006 TO NC 905	5	2 2WU	3.51	18		393												74,000	62,900		1	
6CR.20241.83	Columbus	14	SR 1937	FROM NC 905 TO SR 1934	5	2 2WU	0.95	20		106												20,000	18,000		i	
6CR.20241.83	Columbus	15	SR 1939	FROM SR 1943 TO DEAD END	5	2 2WU	1.06	20		119												22,400	19,040		<u> </u>	
6CR.20241.83	Columbus	16	SR 1970	FROM SR 1943 TO END MAINT	5	2 2WU	0.3	18	18	34															İ	
TOTAL FO	R PROJ NO.	6CR 20	241 83				18.28			2,047	14,000		11,900			100	70	4				354,400	305,980			260
ISTALIO		JCN.20	L-11.05									11,	,900									660	0,380		EA 30 30 1,470 40 550 260)
					T T		46.59		1	5,218	314,200	1,000	277,780	250	520	100	94	4	9	2	1	432,600	378,980	178,600	70	2,210
	GRAND TO	TAL			+ +		1 40.55		 	3,210	314,200		3,780		770	1 100	5 4	 		12		1	1,580	270,000		
						1	I	<u> </u>	I			.,. 50	I				1	1								

TMP-1 6CR.10091.83,ET0



LEGEND

├ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

ROAD TES AND DIRECTION WORK AHEAD W20-1 **(2)**

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 RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)

NOTES PER DIF LOWSOFT (3) SHOULDER SIGNING PLACEMENT 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.

ROAD **(4)** UNDER

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 SP 13106 48" X 48" INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

ROAD WORK 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.



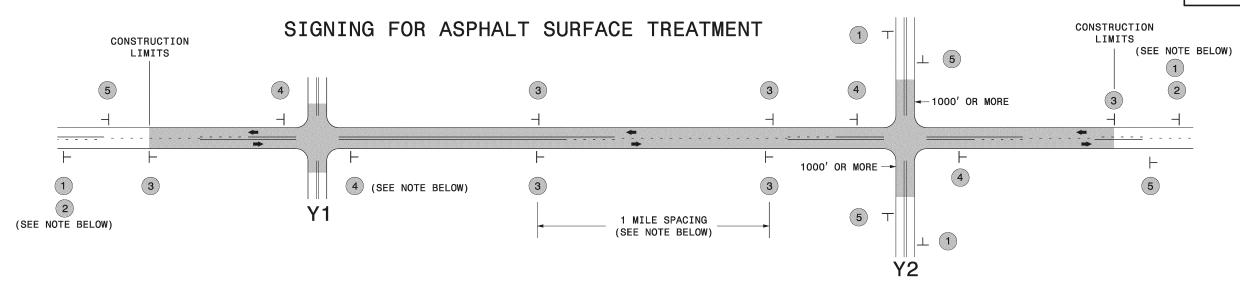


PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER



RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS

PROJ. REFERENCE NO. SHEET NO. 6CR.10091.83,ETC TMP-2



LEGEND

- STATIONARY SIGN

NOTES ER DIF

SIGNING PLACEMENT P

_

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ROAD ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. TES AND DIRECTION WORK AHEAD / W20-1

#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)

LOOSE (3) GRAVEL

ALTERNATE THE FOLLOWING TWO SIGNS:

STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".

UNMARKED PAVEMENT

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.

ROAD UNDER CONST

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.

END ROAD WORK G20-2 A

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

-Y- LINE SIGNING

- 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



ADVANCE WARNING SIGNS ASPHALT SURFACE TREATMENTS 2 LANE ROADWAYS