

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.07.10801	Title Page
2024CPT.09.08.20801	l ride rage

Map 1 US70W

Map 2 US70E

Map 3 US70W

Map 4 US70E

Map 5 NC150

Map 6 Millbridge rd SR1350

Map 7 Summit Park Dr SR2667

Map 8 Corporate Center Dr SR2679

Map 9 Glover Rd SR2532

Map 10 Klumac Rd SR2692

Map 11 Enon Ch Rd SR1944

Map 12 E Ritchie Rd SR2574

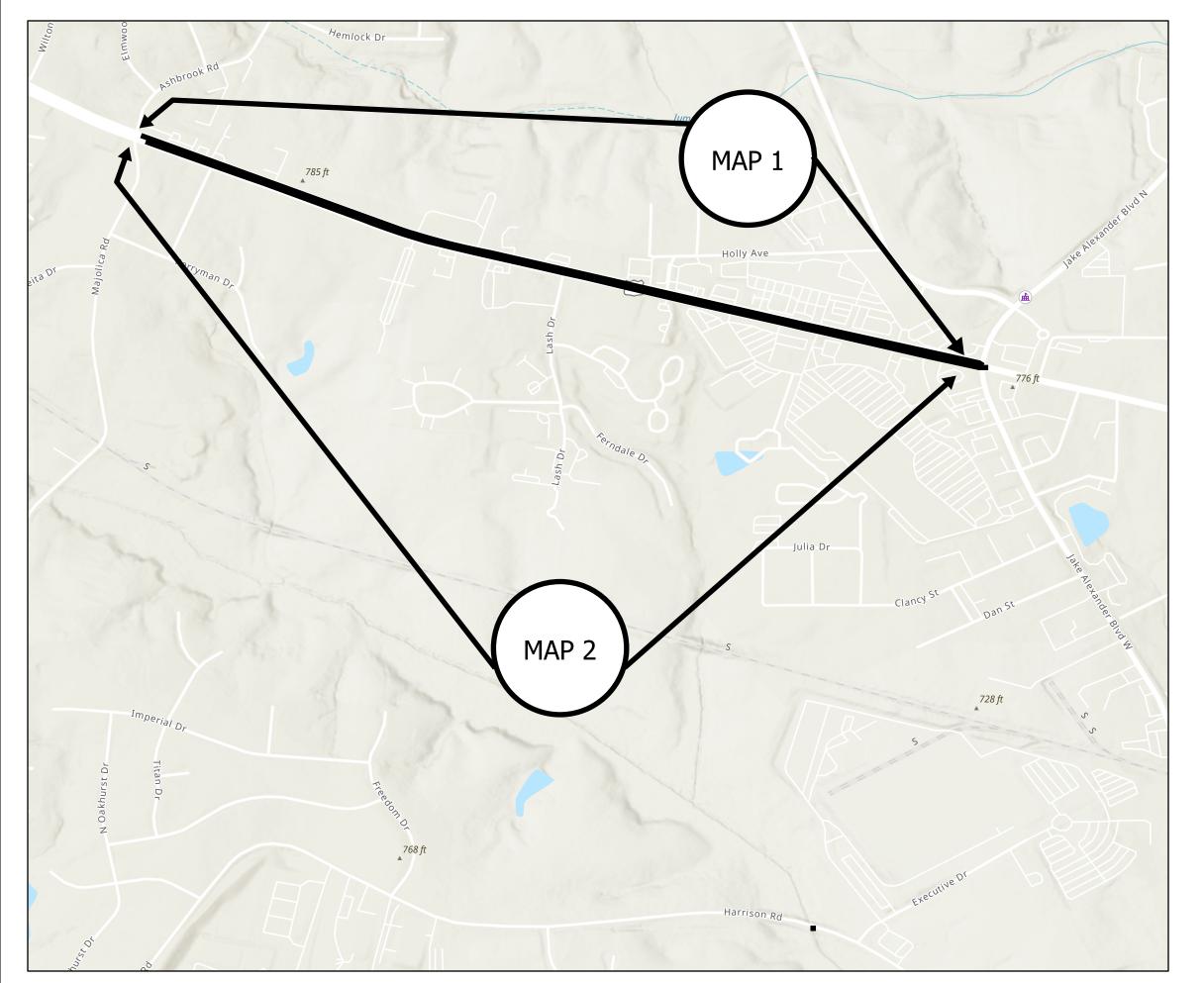
Map 13 White Farm Rd SR1941

Legend

Rowan2024



ROWAN COUNTY



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Map 1 US70W From US601 to Majolica Rd SR1722 Mill 11/2" entire width Pave 11/2" S9.5C

Map 2 US70E From Majolica Rd SR1722 to US601 Mill 11/2" entire width Pave 11/2" S9.5C

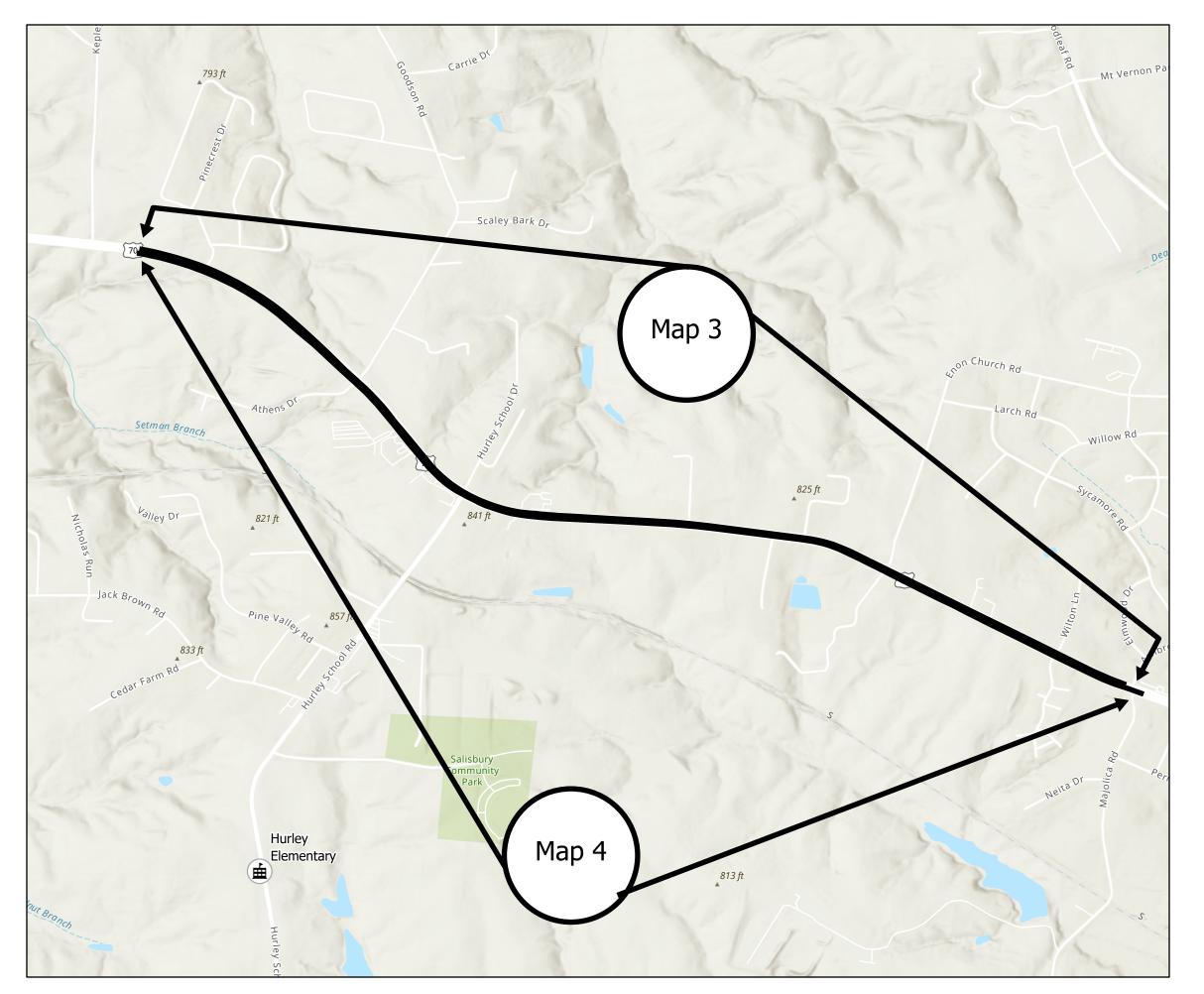
Legend

Rowan2024

- NCDOTStructures
- Mon_Public_Schools
- Public_Schools



ROWAN COUNTY



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Map 3 US70W
From Majolica Rd SR1722 to Pvt Joint
East of Kepley Rd SR1953
Mill 11/2" entire width
Pave 11/2" S9.5C

Map 4 US70E From Pvt Joint East of Kepley Rd SR1953 to Majolica Rd SR1722 Mill 11/2" entire width Pave 11/2" S9.5C

Legend

Rowan2024

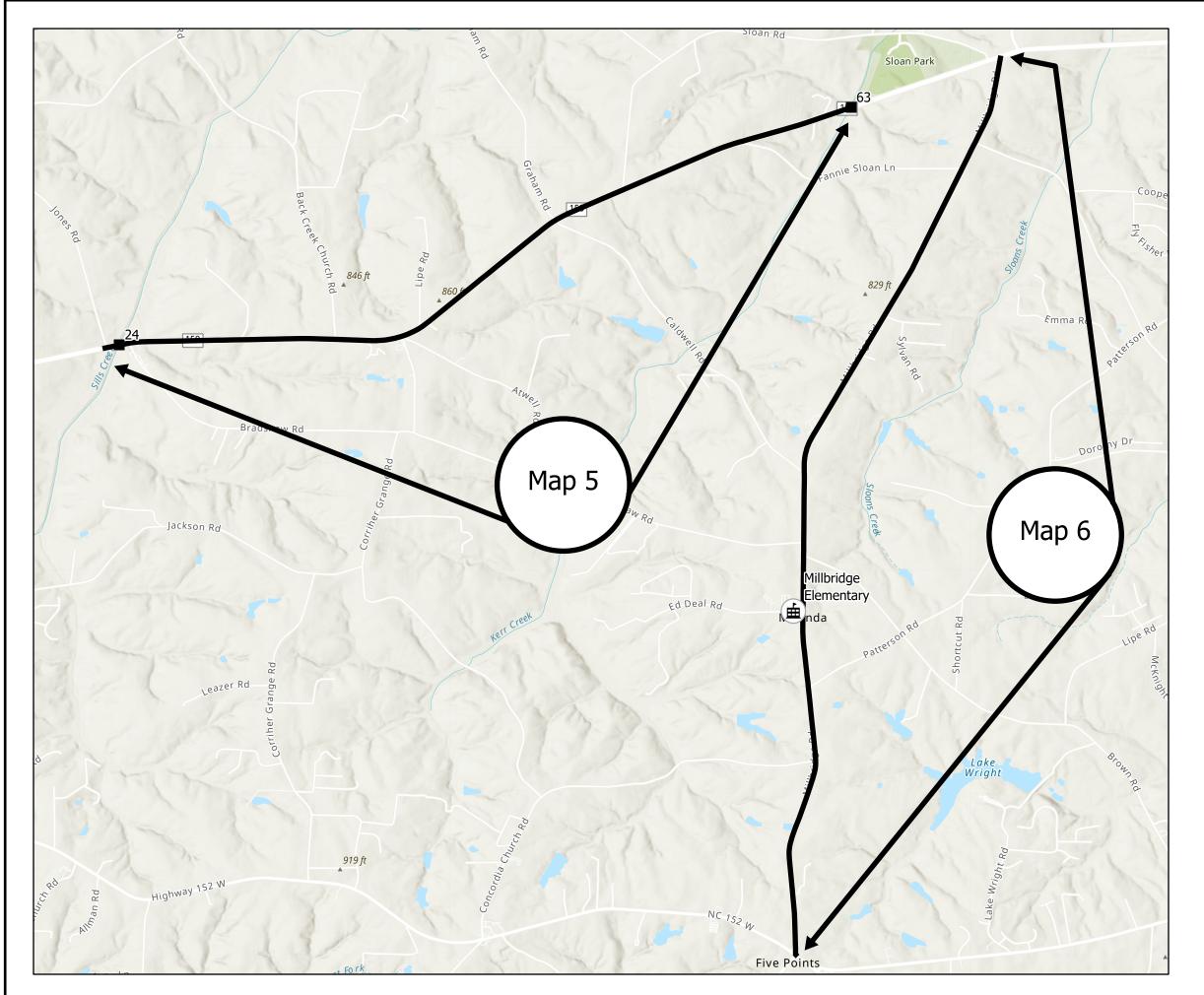




bridges_Maps



ROWAN COUNTY



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Map 5 NC150
From Bridge # 63 to Jones Rd SR1760
Mill 11/2" entire width
Matcoat #67s entire width
Pave 11/2" S9.5C

Map 6 Millbridge Rd SR1350 From NC152 to NC150 Mill 11/2" entire width Matcoat #67s entire width Pave 11/2" S9.5B

Legend

Rowan2024

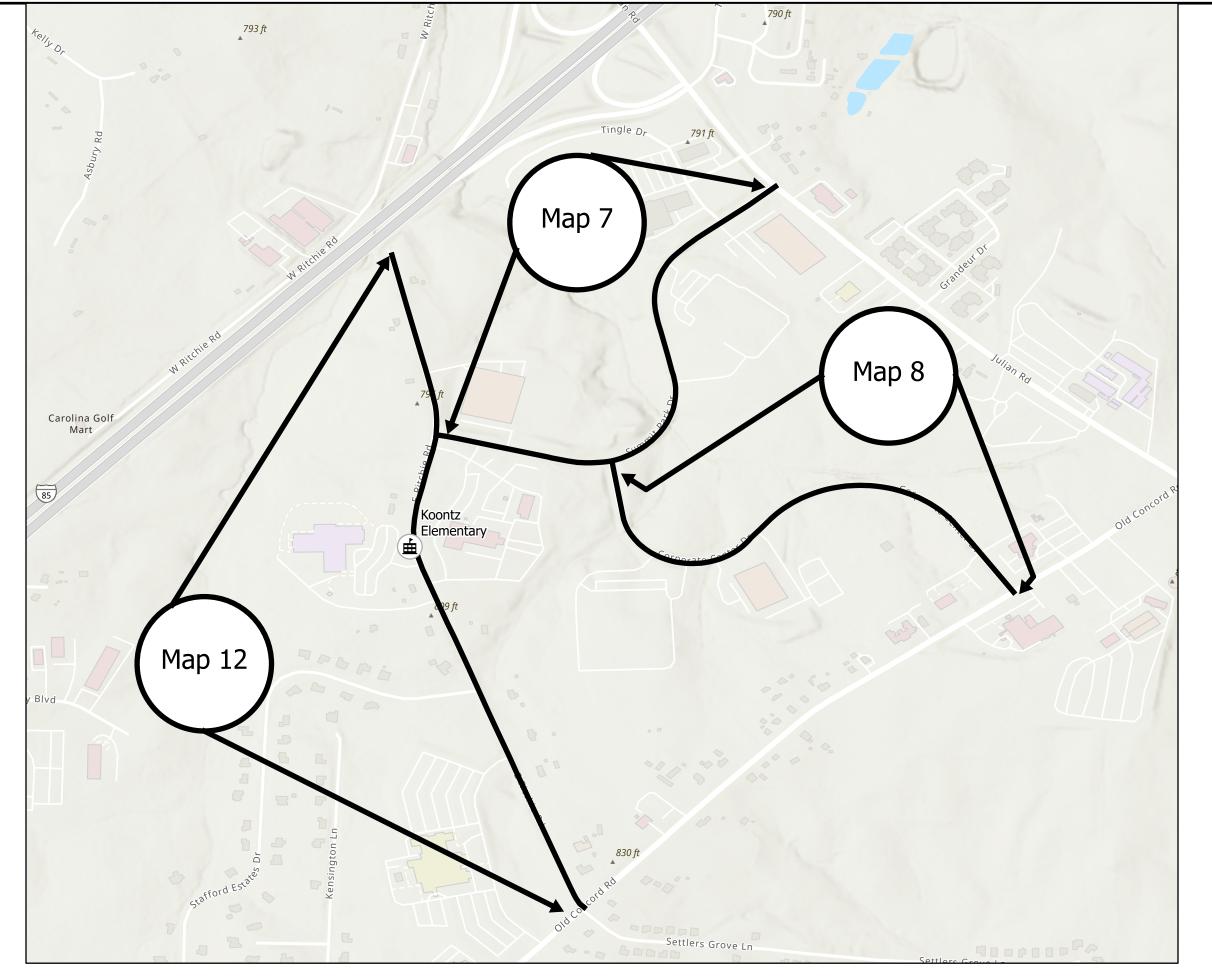




bridges_Maps



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Map 7 Summit Park Dr SR2667 From E Ritchie Rd SR2574 to Julian Rd SR2528 Mill 11/2" entire width Pave 11/2" S9.5B

Map 8 Corporate Center Dr SR2679 From Old Concord Rd SR1002 to Summit Park Dr SR2667 Mill 11/2" entire width Pave 11/2" S9.5B

Map 12 E Ritchie Rd SR2574 From Old Concord Rd SR1002 to EOM Mill 0-11/2" incidental milling at beginning, end and all SR intersections Pave 11/2" S9.5B

Legend

Rowan2024

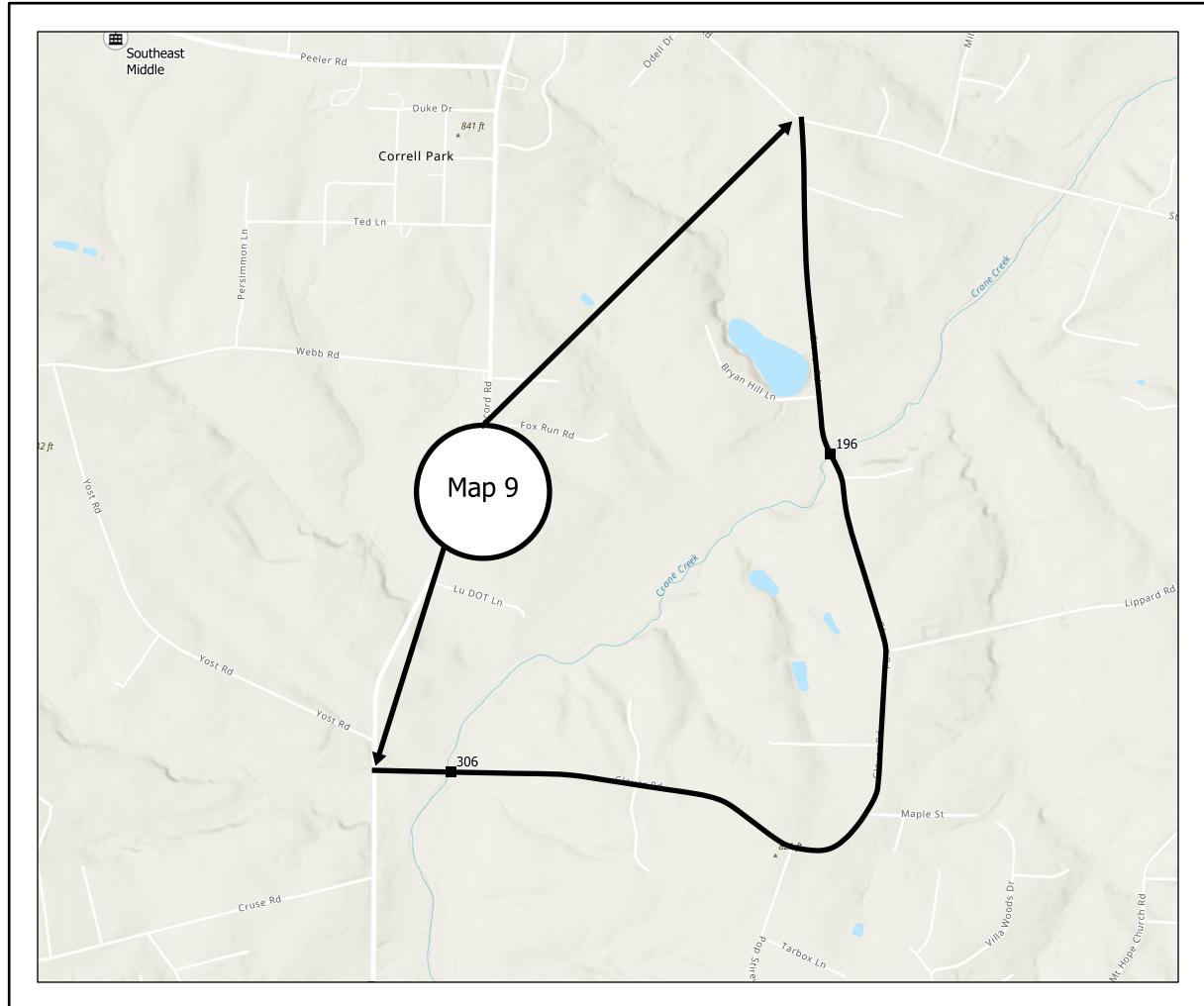


Mon_Public_Schools

bridges_Maps







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Map 9 Glover Rd SR2532 From Old Concord Rd SR1002 to St Pauls Church Rd SR2529 Mill 0-11/2" incidental milling beginning, end and at all SR intersections Pave 11/2" S9.5B

Legend

Rowan2024



Public_Schools

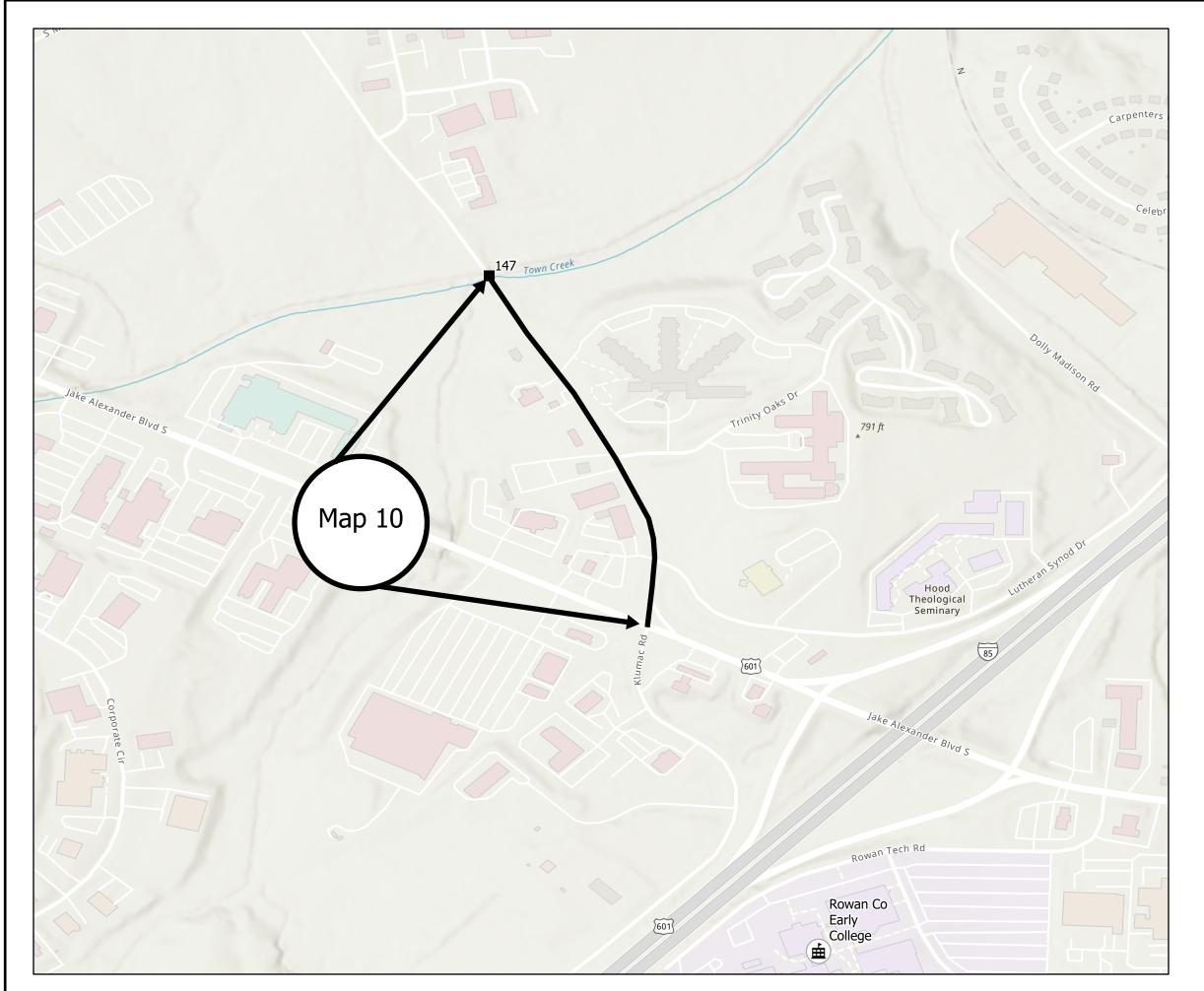


Non_Public_Schools

bridges_Maps



ROWAN COUNTY



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2024CPT.09.08.20801	/

Map 10 Klumac Rd SR2692 From US601/Jake Alexander Blvd to Pvt joint at bridge #147 Mill 11/2" entire width Pave 11/2" S9.5B

Legend

Rowan2024

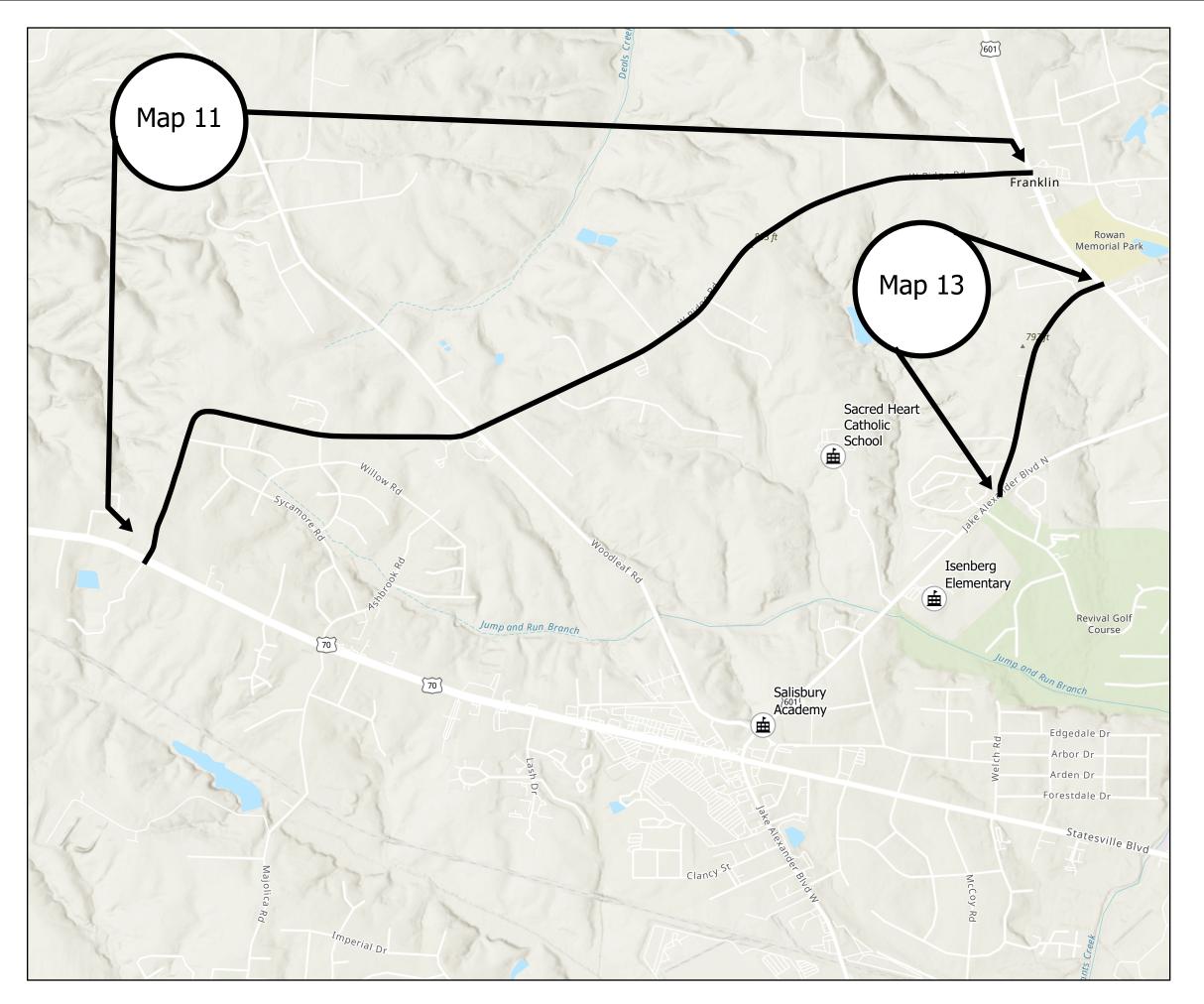




■ bridges_Maps



ROWAN COUNTY



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ſ	2024CPT.09.07.10801	0
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Map 11 Enon Church Rd/ W Ridge Rd SR1944 From US70 to US601 Mill 0-11/2" incidental milling beginning, end and at all SR intersections Pave 11/2" S9.5B

Map 13 White Farm Rd SR1941 From US601 to US601 Mill 0-11/2" incidental milling beginning, end and at all SR intersections Pave S9.5B

Legend

Rowan2024



Public_Schools

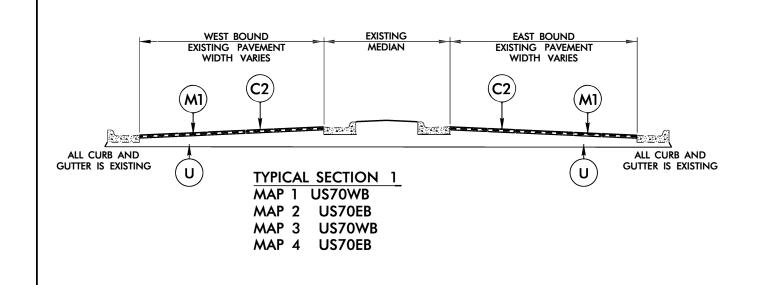


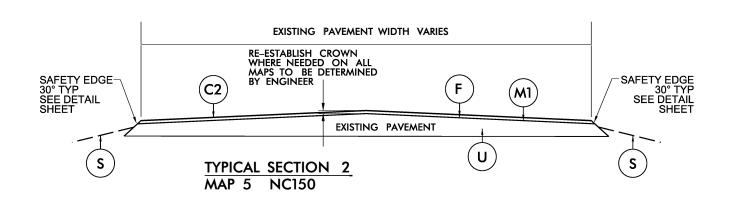
Mon_Public_Schools

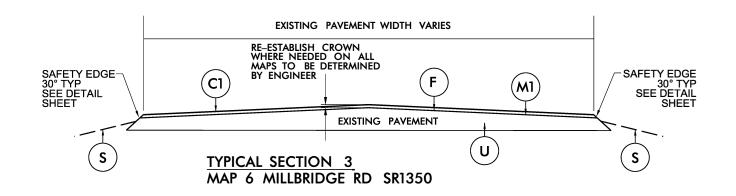
bridges_Maps

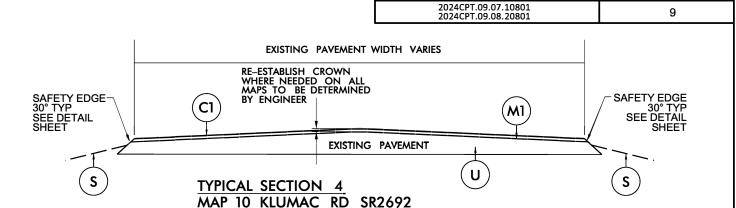


ROWAN COUNTY



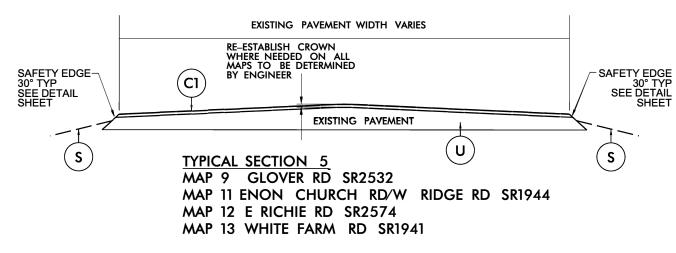


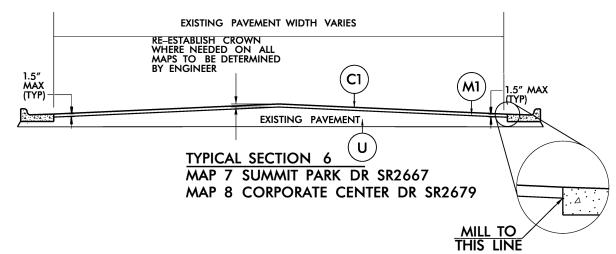




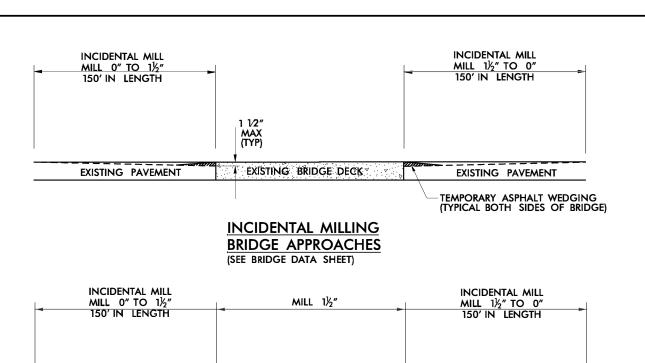
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	PAVEMENT SCHEDULE						
C1	PROP. APPROX. 1^{1}_2 " ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.						
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.						
F	ASPHALT SURFACE TREAMENT, MATCOAT, #67M STONE TO BE APPLIED AT AN AVERAGE RATE OF 38 LBS PER SY YD, EMULSION RATE OF 0.40 GAL PER SY YD						
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH						
S	SHOULDER RECONSTRUCTION (SEE DETAIL)						
U	EXISTING PAVEMENT						



TEMPORARY ASPHALT WEDGING (TYPICAL BOTH SIDES OF BRIDGE)

EXISTING PAVEMENT

INCIDENTAL MILLING BRIDGE APPROACHES (SEE BRIDGE DATA SHEET)

EXISTING BRIDGE DECK

EXISTING PAVEMENT

BEGIN MAP/END MAP @
EXISTING PAVEMENT JOINTS

MILL FULL LANE
PAVEMENT WIDTH
APPROX. 150 FT
AS DIRECTED BY ENGINEER

4' MINIMUM TEMPORARY
ASPHALT WEDGING XXXX

* MILL DEPTHS WILL BE EQUAL
TO OVERLAY THICKNESS OF MAPS
SEE TYPICALS AND BRIDGE DATA SHEETS

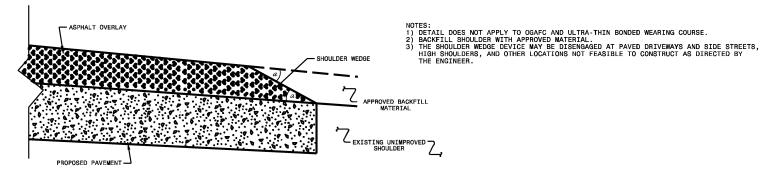
* MILL SR. Y-LINES APROX. 50' AS
DIRECTED BY ENGINEER

* * SEE TYPICALS FOR MIX TYPE

INCIDENTAL TIE-IN MILLING DETAIL

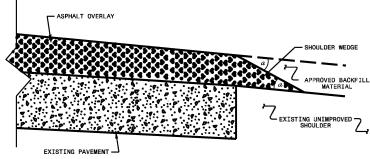
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SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



ASPHALT OVERLAY SHOULDER WEDGE APPROVED BACKFILL MATERIAL EXISTING UNIMPROVED SHOULDER W/ RUTTING SHOULDER W/ RUTTING

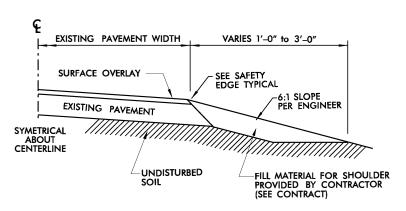
SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)

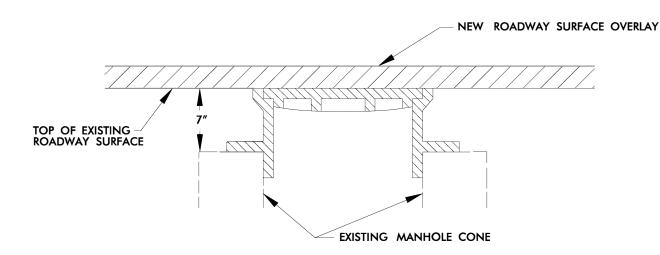
SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

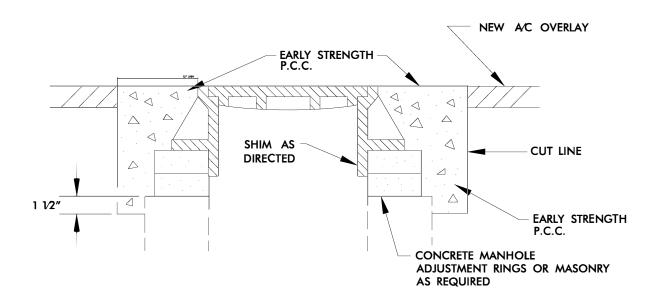
* * * * NOTE: MILL AND PAVE UP TO R x R ROW* * * *



SHOULDER RECONSTRUCTION



STEP 1



STEPS 2,3, & 4

- STEP 1 COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE
- STEP 2 SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.
- STEP 3 RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.
- STEP 4 BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS AS DIRECTED.

MANHOLE ADJUSTMENT DETAIL

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CONSTRUCTION NOTES:

- 1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
- CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 SURFACE OVERLAY
 - PHASE 3 SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 4 UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.
- 3. BRIDGES THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.
- 4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).
- 5. FOR TWO-LANE ROADWAYS IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 26 FEET OR MORE IN WIDTH, TRAVEL LANES SHALL MEASURE 12 FEET AND THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 6. PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610–11.
- 7. ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.
- 8. REPLACE ANY PORTION OF STOP BARS AND OTHER PAVEMENT MARKINGS AT ANY INTERSECTION INCLUDING Y-LINES NOT ACTUALLY BEING PAVED OVER, THAT ARE OBLITERATED BY THE PAVING OPERATION EITHER BY HAULING WHEEL TRACKS OR TACK TRUCK BY THE END OF EACH RESURFACING OPERATION

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SUMMARY OF QUANTITIES

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DDQ IFST NG	COLUMN TO 1		DOUTE	DESCRIPTION:	T/0 1:0	di asirali			nd		DEC. 1	F315 34-		1245000000-E				1		1575000000-E		1775500000-E	1838000000-E				600000000-E	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO		LANE FIN			IGT WIDT	BEGIN MP	END MP	INCIDENTAL	SHOULDER	AGGREGATE	MILLING	INCIDENTAL	SURFACE	SURFACE	ASPHALT	PATCHING	ASPHALT	EMULSION	ADJ. OF	ADJ. OF METER	PORTABLE	TEMPORARY	WATTLE
							TYPE SURF	- 1		ין י			STONE BASE	RECONSTRUCTI	l	ASPHALT 1	MILLING	COURSE, S9.5B	COURSE, S9.5C		EXISTING	SURFACE	FOR APHALT	MANHOLES	OR VALVE BOX	LIGHTING	SILT FENCE	
							REQ	ING REQUIRE	וי					ON	BORROW	PAVEMENT, 1 1/2"DEPTH				PLANT MIX	PAVEMENT	TREATMENT,	SURFACE TREATMENT					
							I NEQ!									1/2 DEPIR						MATCOAT, #67 STONE	I KEATIVIENT					
							'			/II FT			TONS	SMI	TON	SY	SY	TONS	TONS	TONS	TONS	SY	GAL	EA	EA	LS	LF	LF
				FROM US601 TO MAJOLICA RD		1 1		-	 "					5			 •	10.15	10.15		10.13	<u> </u>						-
2024CPT.09.07.10801	Rowan	1	US-70 W	SR1722	1	2,4	MD N	O NO	1.1	19 26-50	11.05	12.24				19,714	3,463		2,231	132	10			2	2	.165		
		OTAL FOR	MAP NO. 1	-		-/-				19						19,714	3,463		2,231	132	10			2	2	.165		
				FROM MAJOLICA RD SR1722 TO	1	1 1					1																	
2024CPT.09.07.10801	Rowan	2	US-70 E	US601	1	2,4	MD N	O NO	1.1	18 26-50	12.86	14.04				19,623	3,574		2,218	131	10				2	.33		
	T	OTAL FOR	MAP NO. 2						1.1	18						19,623	3,574		2,218	131	10				2	.33		
				FROM MAJOLICA RD SR1722 TO PVT																								
2024CPT.09.07.10801		3	US-70 W	JOINT EAST OF KEPLEY RD SR1953	1	2,4	MD N	O NO	_	31 26-50	12.24	14.55				34,002	7,385		3,990	236	10					0		
	T	OTAL FOR	MAP NO. 3						2.3	31						34,002	7,385		3,990	236	10					0		
				FROM PVT JOINT EAST OF KEPLEY RD	1	1 1																						
2024CPT.09.07.10801		4	US-70 E	SR1953 TO MAJOLICA RD SR1722	1	2,4	MD N	O NO	_		10.55	12.86				34,002	7,183	ļ	3,971	235	10	ļ	ļ			0		
			MAP NO. 4						2.3							34,002	7,183	ļ	3,971	235	10					0		
2024CPT.09.07.10801			NC-150	FROM BRG# 63 TO JONES RD SR1760	2	2	2WU N	O NO	_	72 23	2.87	6.842	75	7.94	1,533	53,667	3,172		5,408	320	10	55,694	22,770				1,589	159
			MAP NO. 5		_	+	_	_	3.9				75	7.94	1,533	53,667	3,172		5,408	320	10	55,694	22,770	_		_	1,589	159
	OTAL FOR	PROJ NO.	2024CPT.09.07.10801		-	+		_	10.9	962			75	7.94	1,533	161,008	24,777	 	17,818	1,054	50	55,694	22,770	2	4	1	1,589	159
2024CPT.09.08.20801	Rowan	6	SR-1350 / MILLBRIDGE RD	FROM NC152 TO NC150	3	2	2WU N	O NO	E 4	142 24.5-30	2 445	7.887	300	10.88	2,101	77,787	2,226	7,656	!	498	10	79,597	31,115	+	-		2.177	218
2024CF1.09.06.20801			MAP NO. 6	1 KOW NC132 TO NC130	3		2000 10	J NO		142 24.5-30 142	2.445	7.007	300	10.88	2,101	77,787	2,226	7,656		498	10	79,597	31,115	<u> </u>			2,177	218
	ı i	OTALTOR	MAI NO. 0	FROM E RITCHIE RD SR2574 TO		+ +			7.7	-			300	10.00	2,101	77,707	2,220	7,030		430	10	13,331	31,113	1			2,177	210
2024CPT.09.08.20801	Rowan	7	SR-2667 / SUMMIT PARK DR	JULIAN RD SR2528	6	2	2WU N	O NO	0.6	65 28.5	0	0.65				10.868		991		65	10							
		OTAL FOR	MAP NO. 7						0.6							10,868		991		65	10							
				FROM OLD CONCORD RD SR1002 TO																	-							
2024CPT.09.08.20801	Rowan	8	SR-2679 / CORPORATE CENTER DR	SUMMIT PARK DR SR2667	6	2	2WU N	O NO	0.6	29 29	0	0.629				10,701		1,020		67	10							
	T	OTAL FOR	MAP NO. 8		İ	1 1			0.6	529						10,701		1,020		67	10			İ				
				FROM OLD CONCORD RD SR1002 TO																								
2024CPT.09.08.20801	Rowan	9	SR-2532 / GLOVER RD	ST PAULS CHURCH RD SR2529	5	2	2WU N	O NO	2.3	396 22-27.5	0	2.396	125	4.79	925		3,049	3,018		197	10						958	96
	T	OTAL FOR	MAP NO. 9						2.3	396			125	4.79	925		3,049	3,018		197	10						958	96
				FROM US601/JAKE ALEXANDER BLVD	9	1 1																						
2024CPT.09.08.20801		10	SR-2692 / KLUMAC RD	TO PVT JOINT AT BRG#147	4	2,5	2WU N	O NO	_	26-50	0.61	0.939		0.66	127	6,434		618		41	10	ļ	ļ				132	13
			MAP NO. 10							329				0.66	127	6,434		618		41	10	ļ	ļ				132	13
2024CPT.09.08.20801			SR-1944 / ENON CHURCH RD/ W RIDGE RD	FROM US70 TO US601	5	2	2WU N	O NO	_	24-30	0	3.045	120	6.09	1,175		1,500	4,085		266	10	ļ	ļ				1,218	122
	TC	OTAL FOR	MAP NO. 11	FROM OUR CONCORD DR. CRASS TO		+		_	3.0	145	-		120	6.09	1,175		1,500	4,085		266	10						1,218	122
2024CDT 00 00 20004	Bower	12	CD 2574 / 5 DITCHIS DD	FROM OLD CONCORD RD SR1002 TO EOM	Ί.	,	20/11	no.	1	110 22	0	0.919	10	1 04	255		000	1 102		78	10		1				368	37
2024CPT.09.08.20801		12 OTAL FOR	SR-2574 / E RITCHIE RD MAP NO. 12	EOIVI	- 3		2WU N	O NO	_	919 23 9 19	U	0.919	10 10	1.84 1.84	355 355	-	909 909	1,192 1,192	-	78 78	10 10	 	 	-	+		368 368	37 37
2024CPT.09.08.20801		13	SR-1941 / WHITE FARM RD	FROM US601 TO US601	5	2	2WU N	O NO	_	77 24-28	0	0.77	15	1.54	297	-	1,079	1,192	1	68	10	 	+	1	 		308	31
2024CF 1.05.06.20801			MAP NO. 13				2110 IN	, NO	0.7			0.77	15	1.54	297	 	1,079	1,045		68	10	 	 		 		308	31
т			2024CPT.09.08.20801		t -	+ +	-		_	.18	t -	 	570	25.80	4,980	105,790	8,763	19,625		1,280	80	79,597	31,115		†		5,161	517
<u> </u>	JK	1				1 1			+				5.0	25.00	-,,500	200,.50	5,, 55	25,025		2,200	"	,	52,225				5,202	
		GRAND	TOTAL		1	1 1			25.1	142			645	33.74	6,513	266,798	33,540	19,625	17,818	2,334	130	135,291	53,885	2	4	1	6,750	676
															.,					, , , ,							,	

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.09.07.10801	13	
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THERMOPLASTIC AND PAINT QUANTITIES

							4413000000	-E 445700000	0-N 468	6000000-E	4688	000000-E	46950	00000-Е	4709000000-E	47200	00000-E			472500	00000-E			48100	00000-E	4820000000-E	4835000000-	E 4840000000-	N		484500	0000-N		490510000
PROJECT NO COUNTY MAP NO ROUT	ΓE	DESCRIPTION	TYP NO LA	ANES LANE LENGT	H WIDTH B	BEGIN MP END N	MP WORK ZON	IE TEMPORA	RY 4" X 90 N	4" X 90 M	6" X 90 M	6" X 90 M	8" X 90 M	8" X 90 M			THERMO MSG TH							4" WHITE			24" WHITE	PAINT MSG		PAINT RT			PAINT STR & PAINT I	T STR NON-CA
				TYPE			ADVANCE/G		WHITE	YELLOW	WHITE	YELLOW	WHITE	YELLOW	THERMOPLAS	ONLY 90 M	SCHOOL 90 M ARI	ROW 90	ARROW 90	ARROW 90 M	& RT ARROW			PAINT	PAINT	PAINT	PAINT	SCHOOL	ARROW	ARROW	ARROW	RT ARROW	LT ARROW RT ARE	
							NERAL	CONTRO	L THERMO	THERMO	THERMO	THERMO	THERMO	THERMO	TIC			M	М		90 M	90 M	ARROW 90 M											SNOWPLO
							WARNING	i							PAVEMENT																			BLE
							SIGNING								MARKING																			PAVEME
															LINES (24", 90																			MARKE
															MILS)																			
				MI	FT		SF	LS	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA EA	EA
2024CPT.09.07.10801 Rowan 1 US-70		FROM US601 TO MAJOLICA RD SR1722		2,4 MD 1.19	26.50	11.05 12.2	4 126		3,535	6.200			220		238			19		24				3.535	6.200	220	238		19		24			130
TOTAL FOR MAP NO. 1	VV	3R1722	1	2,4 MD 1.19		11.05 12.2	126	_		6,200	-		220 220		238			19	6	24				3,535	6,200	220	238	-	19	6	24			130
TOTAL FOR MAP NO. 1		FROM MAJOLICA RD SR1722 TO		1.15			120	_	3,333	0,200			220		230			19		24				3,333	6,200	220	230		19		24			150
2024CPT.09.07.10801 Rowan 2 US-70) F	US601	1	2,4 MD 1.18	26-50	12.86 14.0	4 126		3,790	6,300			250		325	4		16	5	22	2			3,790	6,300	250	325		16	5	22	2		130
TOTAL FOR MAP NO. 2	-			1.18			126			6,300			250		325	4		16	5	22	2			3,790	6,300		325		16	5	22	2		130
										,						-									-,,,,,,,					1				
		FROM MAJOLICA RD SR1722 TO PVT						1				1												1			1		1					
2024CPT.09.07.10801 Rowan 3 US-70	W	JOINT EAST OF KEPLEY RD SR1953		2,4 MD 2.31	26-50	12.24 14.5	5 126		5,142	11,830			215		733			26	2	24	8	1		5,142	11,830	215	733		26	2	24	8	1	200
TOTAL FOR MAP NO. 3				2.31			126		5,142	11,830			215		733			26	2	24	8	1		5,142	11,830	215	733		26	2	24	8	1	200
		FROM PVT JOINT EAST OF KEPLEY RD										1																	1					
2024CPT.09.07.10801 Rowan 4 US-70	DE	SR1953 TO MAJOLICA RD SR1722	1	2,4 MD 2.31		10.55 12.8			6,076			1	416		682			27	5	34	2			6,076	11,910	416	682		27	5	34	2		210
TOTAL FOR MAP NO. 4				2.31			126		6,076	11,910			416		682			27	5	34	2			6,076	11,910	416	682		27	5	34	2		210
2024CPT.09.07.10801 Rowan 5 NC-15	50	FROM BRG# 63 TO JONES RD SR1760) 2			2.87 6.84					42,000	42,000			124									42,000	42,000		124							275
TOTAL FOR MAP NO. 5			+	3.972			445		40.543	26.240	42,000	42,000	4 404		124			00	40	101				42,000	42,000	1 101	124				101	43.000		275
TOTAL FOR PROJ NO. 2024CPT.09.07.10801				11			949	1		36,240 64,783	42,000	42,000 4,000	1,101	,101	2,102	4		88	18	104		1		60,543	78,240 3,783	1,101	2,102		88	18		12.000	1	945
										14,703		4,000	1	,101			4				23			136	5,703							.5		
2024CPT.09.08.20801 Rowan 6 SR-1350 / MILL	LBRIDGE RD	FROM NC152 TO NC150	3	2 2WU 5.442	24.5-30	2.445 7.88	7 610				57,150	57,150			98		12							57,150	57,150		198	12						
TOTAL FOR MAP NO. 6				5.442			610				57,150	57,150			98		12							57,150	57,150		198	12						
		FROM E RITCHIE RD SR2574 TO																																
2024CPT.09.08.20801 Rowan 7 SR-2667 / SUMM	MIT PARK DR	JULIAN RD SR2528	6	2 2WU 0.65	28.5	0 0.65	126		250	560				60	32			3	3															
TOTAL FOR MAP NO. 7				0.65			126		250	560				60	32			3	3															
		FROM OLD CONCORD RD SR1002 TO																																
2024CPT.09.08.20801 Rowan 8 SR-2679 / CORPOR	ATE CENTER DR	SUMMIT PARK DR SR2667	6	2 2WU 0.629		0 0.62																												
TOTAL FOR MAP NO. 8				0.629	1		126																											
	0.00	FROM OLD CONCORD RD SR1002 TO									25.400	25.400																						
2024CPT.09.08.20801 Rowan 9 SR-2532 / GL	LOVER RD	ST PAULS CHURCH RD SR2529	5	2 2WU 2.396 2.396		0 2.39					25,100	25,100																						
TOTAL FOR MAP NO. 9		FROM US601/JAKE ALEXANDER BLVD		2.396			268				25,100	25,100																						
2024CPT.09.08.20801 Rowan 10 SR-2692 / KLU	LIMAC PD	TO PVT JOINT AT BRG#147		2,5 2WU 0.329	26-50	0.61 0.93	9 40		3,466	3.232			500		60			2					2	3.466	3,232	500	60		2				,	
TOTAL FOR MAP NO. 10	OWIAC ND	TOTAL SHORE	-	0.329		0.01 0.33	40			3,232			500		60			2					2	3,466			60		2				2	
2024CPT.09.08.20801 Rowan 11 SR-1944 / ENON CHURC	CH RD/ W RIDGE RD	FROM US70 TO US601	5	2 2WU 3.045		0 3.04			32,764														_	5,155	-,								_	
TOTAL FOR MAP NO. 11	,			3.045			340			32,764																								
		FROM OLD CONCORD RD SR1002 TO)																															
2024CPT.09.08.20801 Rowan 12 SR-2574 / E R	ITCHIE RD	EOM	5	2 2WU 0.919	23	0 0.91	9 103		9,888	9,888					92		12																	
TOTAL FOR MAP NO. 12				0.919			103		9,888	9,888	1				92		12										1	1						
2024CPT.09.08.20801 Rowan 13 SR-1941 / WHIT	TE FARM RD	FROM US601 TO US601	5	2 2WU 0.77	24-28	0 0.77			8,285			1															1		1					
TOTAL FOR MAP NO. 13				0.77			86		8,285														_											
TOTAL FOR PROJ NO. 2024CPT.09.08.20801				14.2	+		1,699	1		54,729			500	60	282		24	5	3				2		60,382	500	258	12.000	2	1	l		2	
									1	09,382	16	4,500		560		-	24			1	10			120	,998		1	1	1			•		
				25.2		-	3.640	1	72 100	00.052	124 250	124 250	1 601	60	2 204		24	02	21	104	12			121.150	120 622	1 601	2 260	12.000	00	10	104	12	1 1 2	045
GRAND TOTAL				25.2	+		2,648	1		90,969		124,250		.661	2,384	4	24	95	21		33	1	2		138,622	1,601	2,360	12.000	90	18	104		1 2	945
1							_1	_1	_ '	04,103	1 24	10,500	1 1	,001	1	· · · · · ·				Z	,,			25	,,,01	1	1	1	1		2.	.,		

BRIDGE DATA

									PROJECT NO. 2024CPT.09.07.10801 2024CPT.09.08.20801		SHEET NO. 14
Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
5	NC150	NC150	63	Kerr Creek		33	NA	NA	125	NA	Do NOT PAVE DO NOT MILL
9	SR2532	Glover Rd	306	Cranes Creek		27	NA	NA	72	NA	Mill 11/2" off deck and pave back with 11/2"
10	SR2692	Klumac Rd	147	Town Creek		33.17	NA	NA	92	NA	DO NOT PAVE DO NOT MILL

PROJ. REFERENCE NO. 2024CPT.09.01.10291 2024CPT.09.02.20291

SIGNING FOR RESURFACING PROJECTS



NOI

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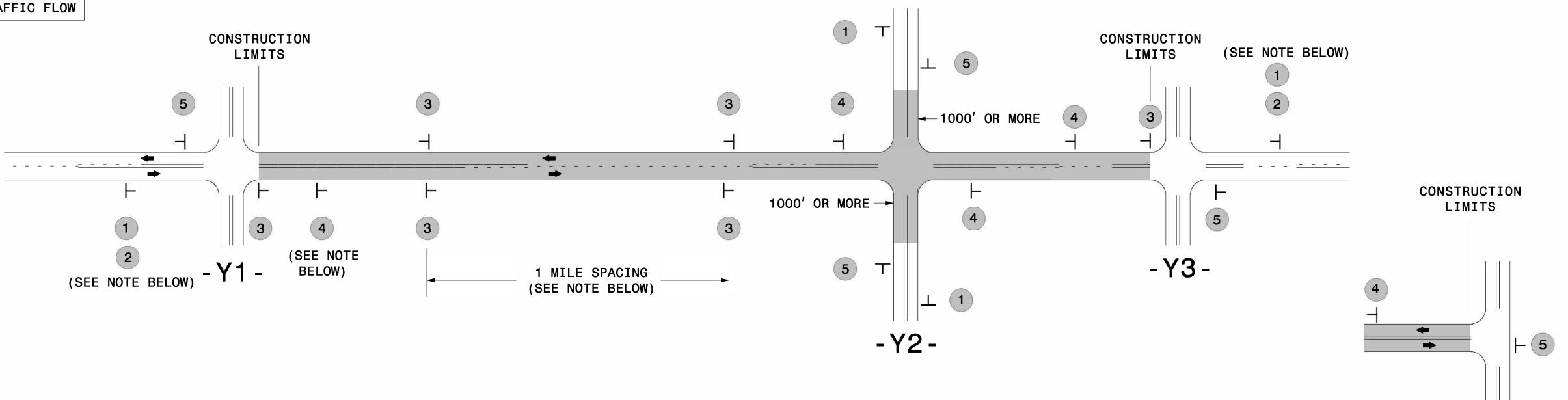
ES DI

NO ER

IGNING

S

← DIRECTION OF TRAFFIC FLOW



-Y- LINE SIGNING

MAINLINE (-L-) SIGNING

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)

LOW/SOFT 3 SHOULDER/ 48" X 48"

ROAD

WORK

AHEAD W20-1 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.
- ROAD **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 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.

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.

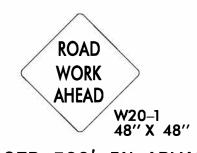
THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

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.

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

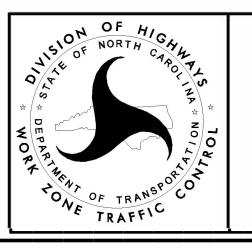
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER.



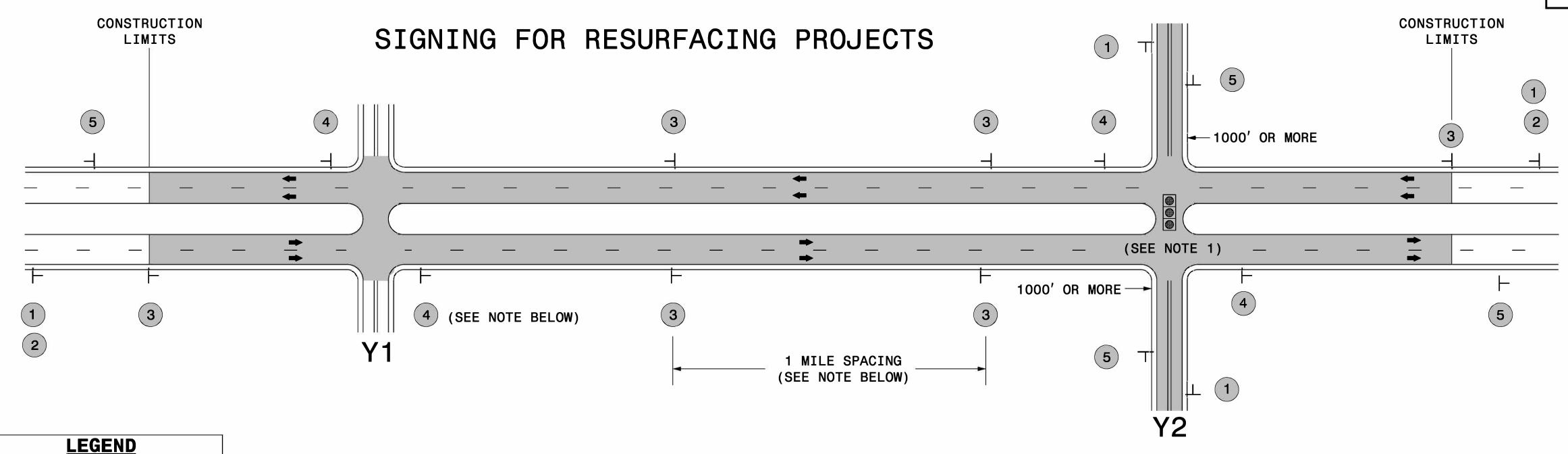
PLACED 250' IN ADVANCE OF FLAGGER.



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

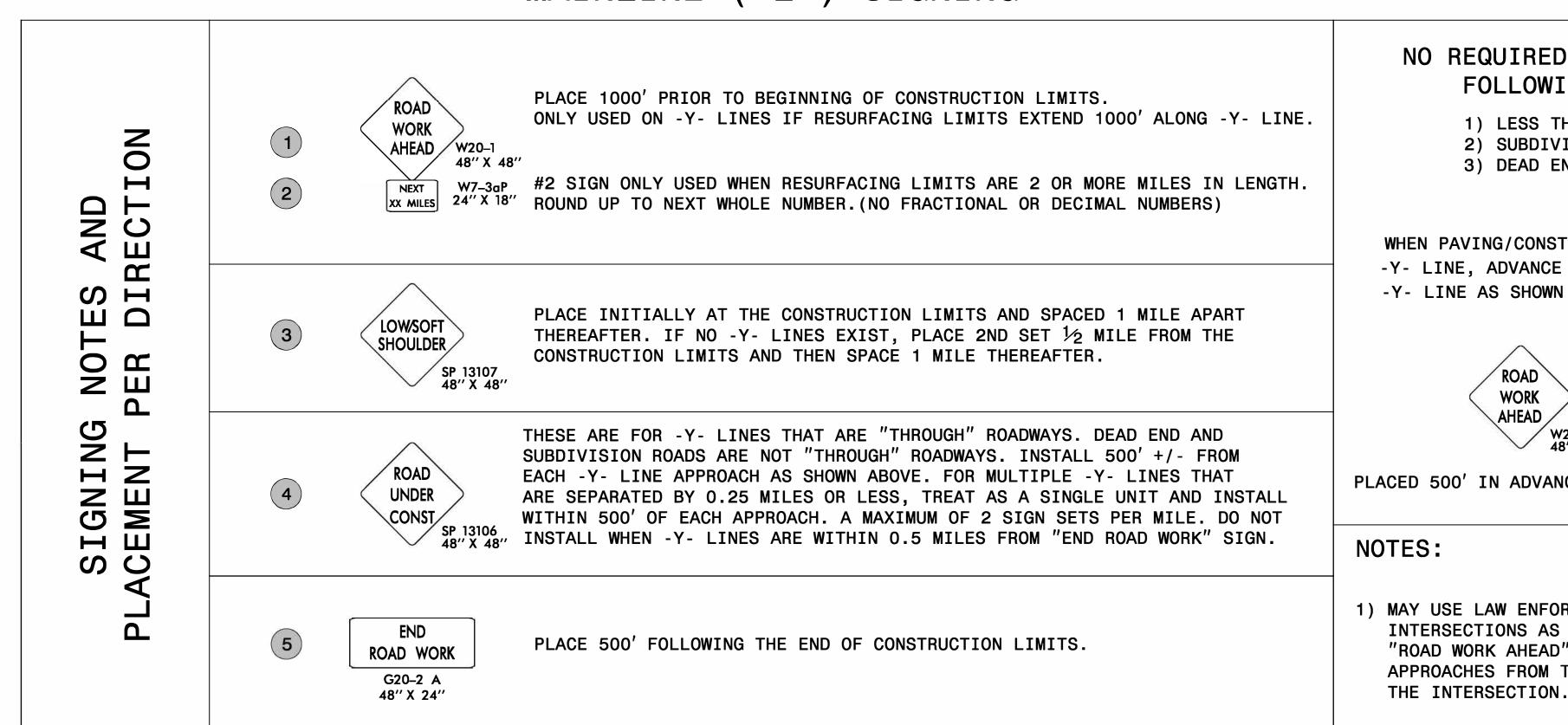
TEE INTERSECTION

PROJ. REFERENCE NO. 2024CPT.09.01.10291 2024CPT.09.02.20291



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



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

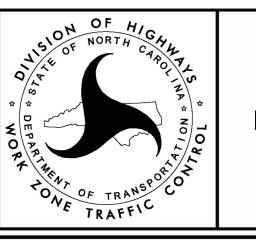
-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.





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

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.



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

├ STATIONARY SIGN

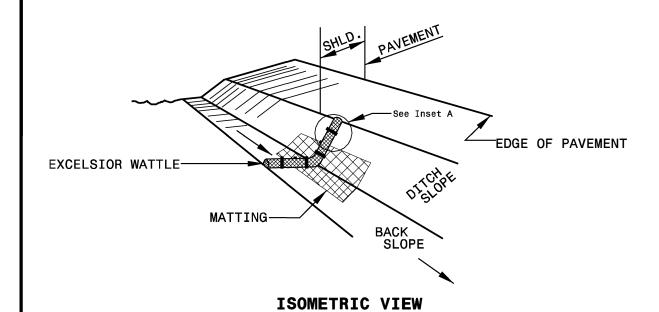
← DIRECTION OF TRAFFIC FLOW

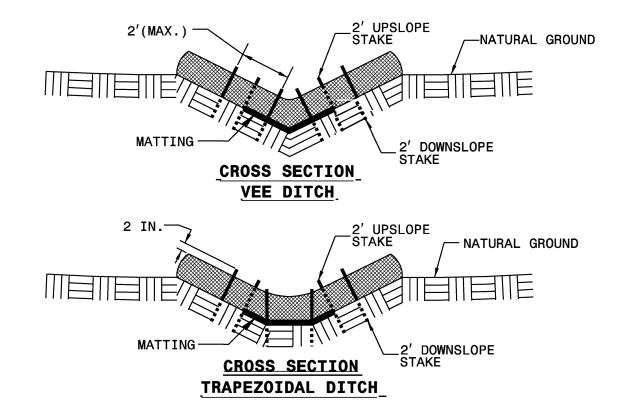
PROJECT REFERENCE NO. SHEET NO. NOTES: Less than 5' — 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP. EROSION CONTROL DETAIL EC-1 BMP Options: Wattle or Silt Fence < 5' - 10' Undisturbed buffer add BMP Pipe/Culvert < 5' - 10' Undisturbed buffer from < 5' - 10' Undisturbed buffer from jurisdictional feature add BMP Undisturbed Area ditchline, add BMP Undisturbed Area Disturbed Area EOP FOP Jurisdictional Feature Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed Disturbed Area E0P E0P < 5' - 10' Undisturbed buffer from inlet, add wattle E0P EOP NOT TO SCALE Wattle Drainage Inlet

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WATTLE DETAIL

PROJECT REFERENCE NO. 2024CPT.09.07.10801 2024CPT.09.08.20801 RW SHEET NO.	SHEET NO. EC-2]
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	





NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

