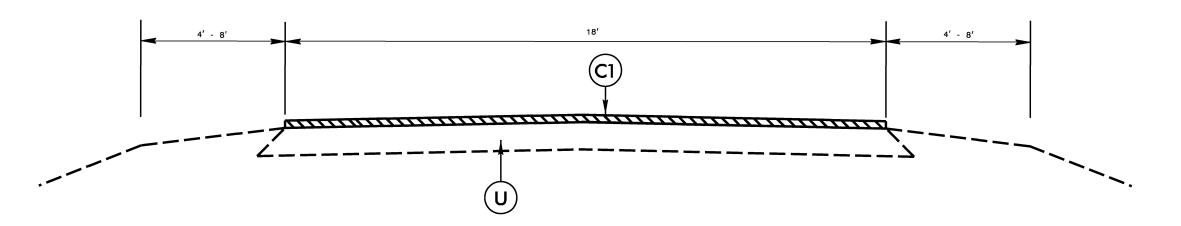




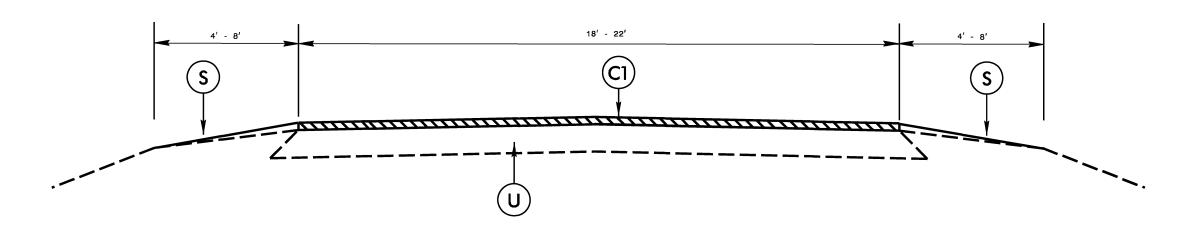
Map 7 - Widen the radius at the northeast corner of the intersection of SR 1510 – Hardy Cemetery Rd and SR 1512 – Reedy Creek Rd. with 5.5" of B25.0C and 1.5 " of S9.5B.

	PAVEMENT SCHEDULE
C1	114" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	1 ½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
S	SHOULDER GRADING, ASB REQUIRED
U	EXISTING PAVEMENT
٧	MILL ASPHALT PAVEMENT, 11/4" DEPTH

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.05.07.10931.1. etc.	5



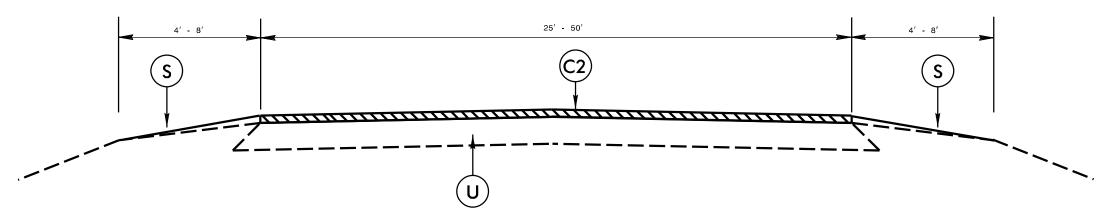
TYPICAL 1



TYPICAL 2

	PAVEMENT SCHEDULE
C1	$1^1\!4''$ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	1 $1_2{^{\prime\prime}}$ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
S	SHOULDER GRADING, ASB REQUIRED
U	EXISTING PAVEMENT
V	MILL ASPHALT PAVEMENT, 11/4" DEPTH

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.05.07.10931.1, etc.	5



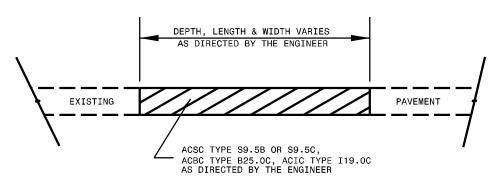
\* MILL 1.5" +/- ON MAP 7 BRIDGE #'S 89 AND 124 AS DIRECTED BY THE ENGINEER TO RESURFACE AND NOT ADD ANY ADDITIONAL WEIGHT ON THE BRIDGE

### TYPICAL 3

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.05.07.10931.1, etc.	7

#### NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER. EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF OUANTITIES. BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

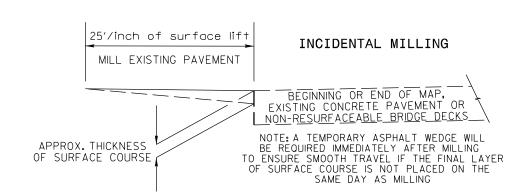


#### PATCHING EXISTING PAVEMENT

DETAIL OF PROJECT LIMITS AT

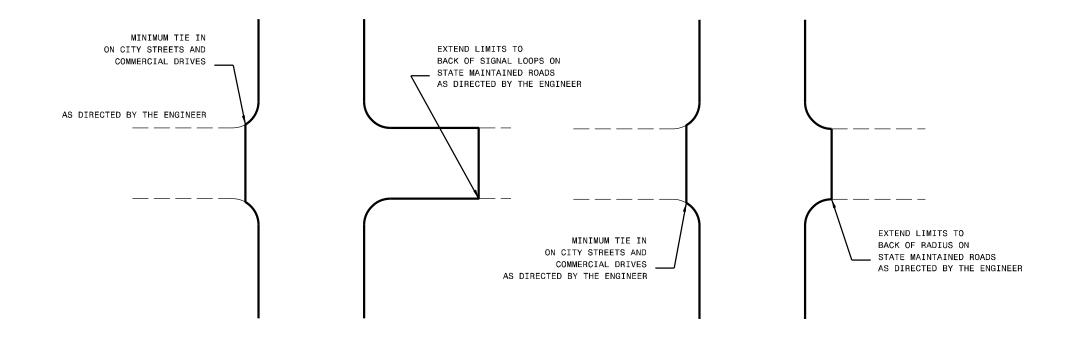
SIGNALIZED Y LINES

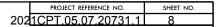
MILLING TO BE PERFORMED PRIOR TO PATCHING



DETAIL OF PROJECT LIMITS AT

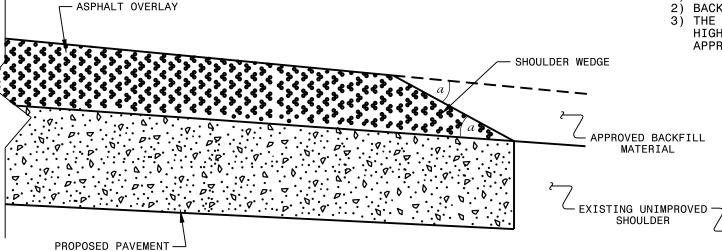
UNSIGNALIZED Y LINES





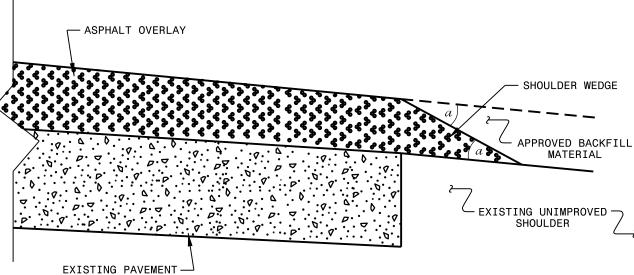
#### NOTES:

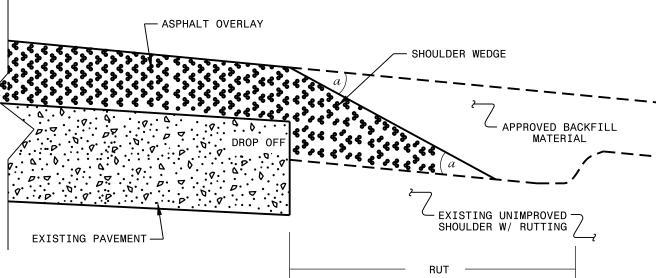
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



# 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 ANGLE =  $30^{\circ}$ 

# 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 su	sr/details/stand	/shoulderwedged	detail dgn

# SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.05.07.10931.1, etc.	9	

# SUMMARY OF QUANTITIES

											0264000000-E	1220000000-E	1260000000-E	129700000-E	1308000000-E	133000000-E	1491000000-E	1519000000-E	1575000000-E	1704000000-E	2738000000-Е
PROJECT NO	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	FINAL	WARM MIX	LENGTH	WIDTH	SHOULDER	INCIDENTAL	AGGREGATE	1½" MILLING	0" TO 1.5"	INCIDENTAL	BASE COURSE,	SURFACE	ASPHALT	PATCHING	GENERIC
		NO			NO		SURFACE	ASPHALT			GRADING	STONE BASE	SHOULDER		MILLING	MILLING	B25.0C	COURSE, S9.5B	BINDER FOR	EXISTING	PAVING ITEM
							TESTING	REQUIRED					BORROW						PLANT MIX	PAVEMENT	REMOVE 5"
							REQUIRED														MONOLITHIC
																					CONCRETE
																					ISLAND
									MI	FT	SMI	TONS	TON	SY	SY	SY	TONS	TONS	TON	TONS	SY
2023CPT.05.07.10931.1		1	NC 903	HALIFAX COUNTY TO VIRGINIA	3	2	NO	NO	13.218	22-50	26.44	661	2,443		82	1,730		15,571	1,044	10	
TOTA	AL FOR PROJ	NO. 202	3CPT.05.07.10931.1						13.218		26.44	661	2,443		82	1,730		15,571	1,044	10	
				BUS 158 TO SR 1107 - RIDGEWAY																	
2023CPT.05.07.20931.1	Warren	2	SR 1109 - READ RD	WARRENTON RD	2	2	NO	NO	0.988	20	1.98	49	183			450		864	79	448	
				SR 1306 - WISE FIVE FORKS RD TO																	
2023CPT.05.07.20931.1	Warren	3	SR 1309 - FRAZIER RD/OAKVILLE RD	US 158 BUS	2	2	NO	NO	5.343	22	10.69	267	987			653		5,117	343	10	
				SR 1332 - RED HILL LOOP RD TO SR																	
2023CPT.05.07.20931.1	Warren	4	SR 1326 - WARREN ST	1305 - N MAIN ST	2	2	NO	NO	0.74	18	1.48	37	137			63		582	44	100	
2023CPT.05.07.20931.1	Warren	5	SR 1327 - BUTE ST	N HALL ST TO SR 1326 - WARREN ST	1	2	NO	NO	0.26	18		13				144		204	15	38	
				SR 1344 - EATON FERRY RD TO SR																	
2023CPT.05.07.20931.1	Warren	6	SR 1348 - NATHANIEL MACON DR	1722 - NORTH MACON DR	2	2	NO	NO	0.881	20	1.76	44	163			70		750	57	135	
			SR 1510 - MAT NELSON RD/HARDY																		
2023CPT.05.07.20931.1	Warren	7	CEMETARY RD/GROVE HILL RD	US 158 TO SR 1513 - GROVE HILL RD		2	NO	NO	6.43	20	12.86	322	1,189	795		640	15	6,630	490	938	50
				SR 1354 - FLEMING DAIRY RD TO SR																	
2023CPT.05.07.20931.1		8	SR 1711 - TANGLE OAKS DR	1712 - BIRDS NEST LN	2	2	NO	NO	0.351	20	0.70	18	65			129		328	22	10	
2023CPT.05.07.20931.1	Warren	9	SR 1712 - BIRD NEST LN	CUL-DE-SAC TO CUL-DE-SAC	2	2	NO	NO	0.152	18	0.30	8	28					157	11	10	
				SR 1348 - NATHANIEL MACON DR TO		_															
2023CPT.05.07.20931.1	Warren	10	SR 1722 - NORTH MACON DR	CUL-DE-SAC	2	2	NO	NO	0.595	20	1.19	30	110			23		526	41	115	
				SR 1348 - NATHANIEL MACON DR TO			1									1					
2023CPT.05.07.20931.1		11	SR 1723 - BUCK SPRINGS RD	END MAINTENANCE	2	2	NO	NO	0.306	20	0.61	15	57			100		268	19	30	
TOTA	AL FOR PROJ	NO. 202	23CPT.05.07.20931.1						16.046		31.58	803	2,919	795		2,272	15	15,426	1,121	1,834	50
																			2.10-		
	G	RAND TO	DIAL				L		29.264		58.02	1,464	5,362	795	82	4,002	15	30,997	2,165	1,844	50

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.05.07.10931.1, etc.	10	

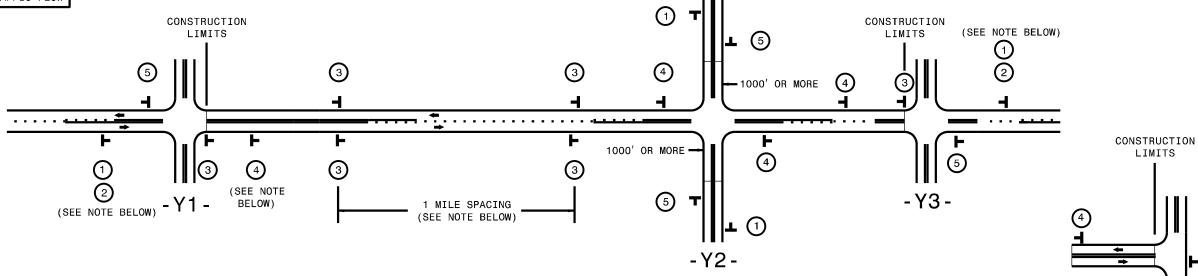
## THERMOPLASTIC AND PAINT QUANTITIES

									4413000000-F	4457000000-N		00000-E		4709000000-E		4720000000-E			472500000	∩-F	4850000000-F	489000000-	4905100000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LENGTH	WIDTH	_	TEMPORARY		4" X 90 M	12" X 90 M			THERMO MSG	THERMO	THERMO		THERMO RT	4" LINE	GENERIC	NON-CAST
				2200 110.11	NO				ADVANCE/GEN		WHITE	YELLOW	YELLOW	WHITE	AHEAD 90 M	STOP 90 M	MSG	STR		ARROW 90		MARKING	IRON
									ERAL	CONTROL	THERMO	THERMO	THERMO	THERMO	7.1.12.12.30.111	0.0.00	SCHOOL 90	1	90 M	M	1	ITEM HOT	SNOWPLOWA
									WARNING								M	90 M	30			SPRAY	BLE
									SIGNING									30 141				THERMOPLAS	
									0.0													TIC	MARKERS
																						PAVEMENT	
																						MARKING	
																						LINES, 4", 50	
																						MIL	
							MI	FT	SF	LS	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	LF	LF	EA
2023CPT.05.07.10931.1	Warren	1	NC 903	HALIFAX COUNTY TO VIRGINIA	3	2	13.218	22-50	1,480	*	142,226	124,085	132	25				5	3	1	2,712	2,712	925
Т Т	OTAL FOR PE	OI NO. 2023	CPT.05.07.10931.1				13.218		1,480	1.00	142,226	124,085	132	25				5	3	1	2,712	2,712	925
											266	5,311							9				
								1									•						
				BUS 158 TO SR 1107 - RIDGEWAY																			
2023CPT.05.07.20931.1	Warren	2	SR 1109 - READ RD	WARRENTON RD	2	2	0.988	20	126		10,631	10,434											
				SR 1306 - WISE FIVE FORKS RD TO																			
2023CPT.05.07.20931.1	Warren	3	SR 1309 - FRAZIER RD/OAKVILLE RD	US 158 BUS	2	2	5.343	22	598		57,491	49,397			10	8							
				SR 1332 - RED HILL LOOP RD TO SR																			
2023CPT.05.07.20931.1	Warren	4	SR 1326 - WARREN ST	1305 - N MAIN ST	2	2	0.74	18	83		7,814	7,814											
2023CPT.05.07.20931.1	Warren	5	SR 1327 - BUTE ST	N HALL ST TO SR 1326 - WARREN ST	1	2	0.26	18	29														
				SR 1344 - EATON FERRY RD TO SR																			
2023CPT.05.07.20931.1	Warren	6	SR 1348 - NATHANIEL MACON DR	1722 - NORTH MACON DR	2	2	0.881	20	99	*													
			SR 1510 - MAT NELSON RD/HARDY																				
2023CPT.05.07.20931.1	Warren	7	CEMETARY RD/GROVE HILL RD	US 158 TO SR 1513 - GROVE HILL RD	3	2	6.43	20	721		69,187	67,900		90			6						
				SR 1354 - FLEMING DAIRY RD TO SR																			
2023CPT.05.07.20931.1		8	SR 1711 - TANGLE OAKS DR	1712 - BIRDS NEST LN	2	2	0.351	20	39														
2023CPT.05.07.20931.1	Warren	9	SR 1712 - BIRD NEST LN	CUL-DE-SAC TO CUL-DE-SAC	2	2	0.152	18	17														1
				SR 1348 - NATHANIEL MACON DR TO																			
2023CPT.05.07.20931.1	Warren	10	SR 1722 - NORTH MACON DR	CUL-DE-SAC	2	2	0.595	20	67														
				SR 1348 - NATHANIEL MACON DR TO	_																		
2023CPT.05.07.20931.1	Warren	11	SR 1723 - BUCK SPRINGS RD	END MAINTENANCE	2	2	0.306	20	34								_				ļ		
Т	OTAL FOR PE	OJ NO. 2023	CPT.05.07.20931.1				16.046		1,813	1.00	145,123	135,545		90	10	8	6						1
											280	0,668				24							1



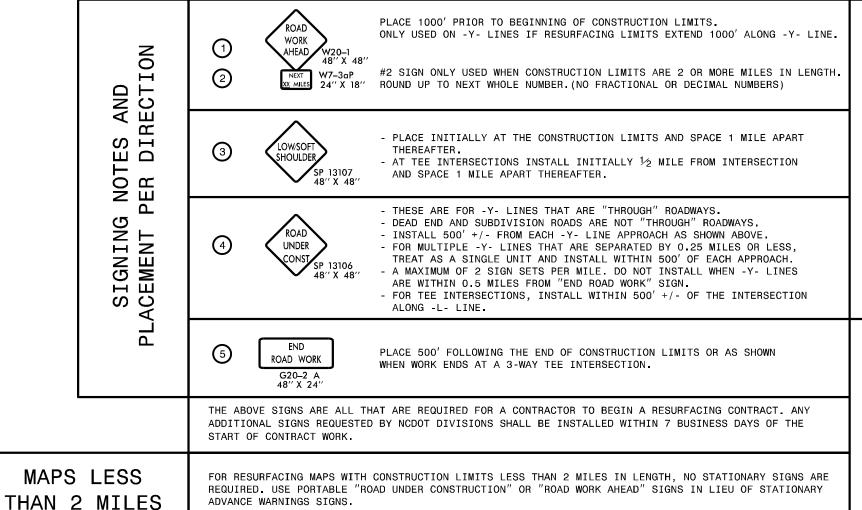
### SIGNING FOR RESURFACING PROJECTS





TEE INTERSECTION

## MAINLINE (-L-) SIGNING



NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

-Y- LINE SIGNING

- 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

,4557 | ME 44554 :856556888888 | ON8588888888888



9

SHEET 1 OF 1

6- LOCATE MARKINGS CENTERED ON BICYCLE LANE LINES. MARKINGS SHALL NOT BE LOCATED IN THE CENTER OF THE BICYCLE PATH.