

09/08/17

CONTRACT: DA00356 WBS ELEMENT: 2017CPT.01.25.10581.1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MARTIN COUNTY

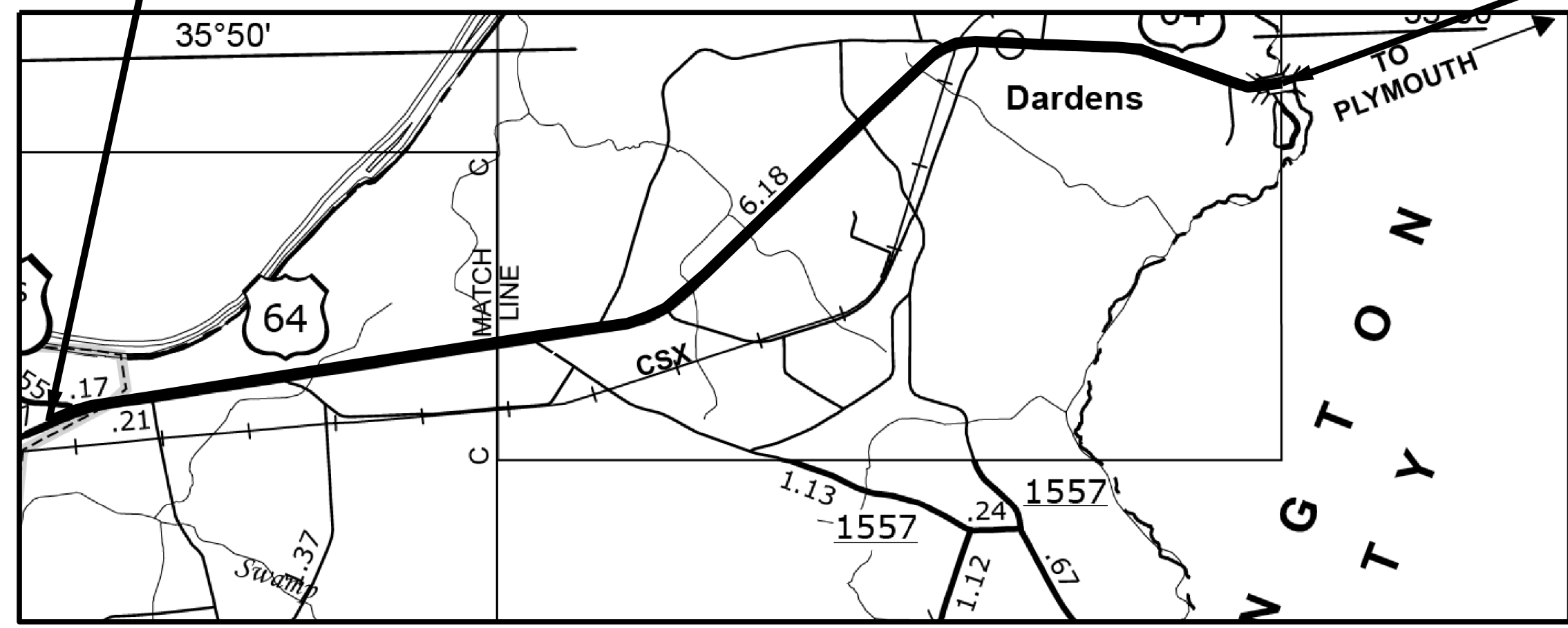
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2017CPT.01.25.10581.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2017CPT.01.25.10581.1		MAP 1	

LOCATION: MAP 1 - US 64 EB - FROM END CURB & GUTTER IN JAMESVILLE TO WASHINGTON COUNTY LINE

TYPE OF WORK: MILLING, RESURFACING, & LONG LIFE PAVEMENT MARKINGS

BEGIN MAP 1

END MAP 1



NOT TO SCALE

PROJECT LENGTH

LENGTH OF MAP 1 = 6.6 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27932

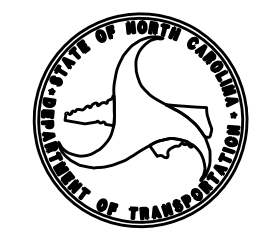
2012 STANDARD SPECIFICATIONS

LETTING DATE:

W.B. HOBBS, P.E.
DIVISION PROJECT MANAGER

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



09/25/2017

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MARTIN COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2017CPT.01.25.10581.1	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2017CPT.01.25.10581.1		MAP 2	

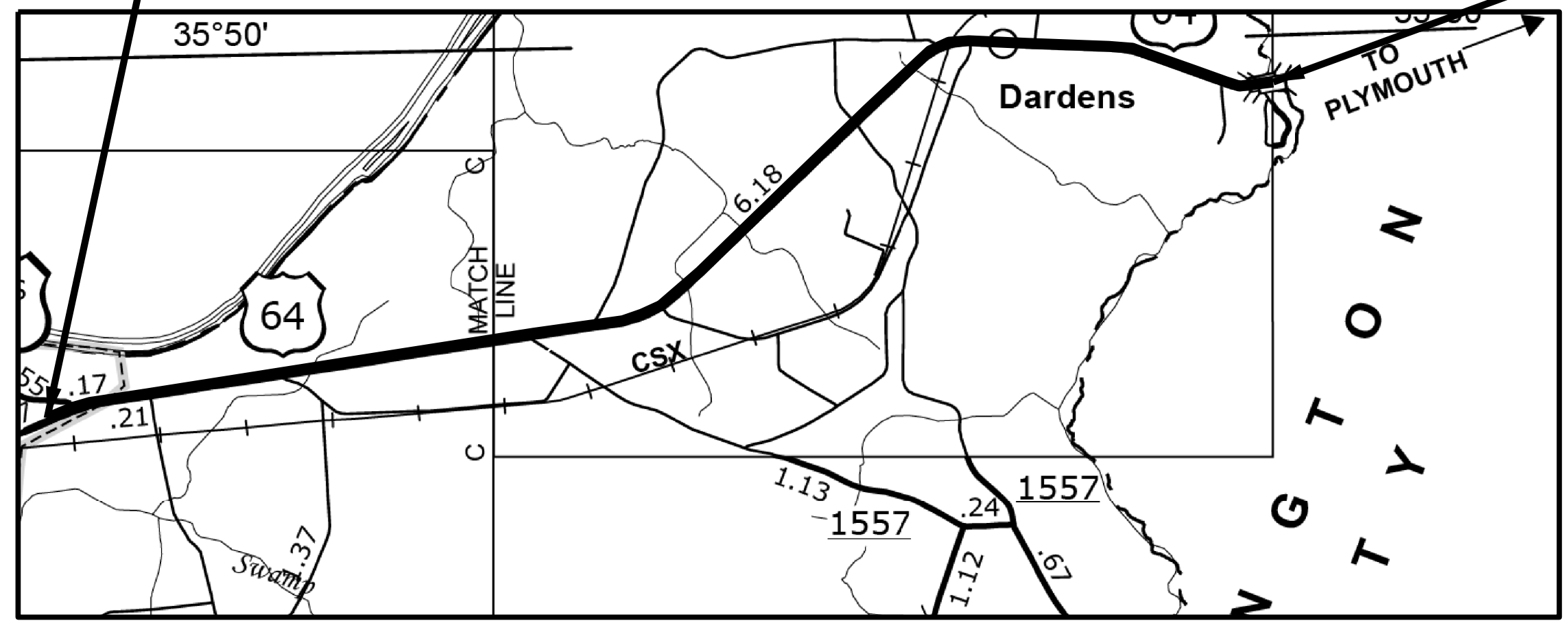


LOCATION: MAP 2 - US 64 WB - FROM WASHINGTON COUNTY LINE TO END CURB & GUTTER IN JAMESVILLE

TYPE OF WORK: MILLING, RESURFACING, & LONG LIFE PAVEMENT MARKINGS

END MAP 2

BEGIN MAP 2



NOT TO SCALE

PROJECT LENGTH

LENGTH OF MAP 2 = 6.6 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27932

2012 STANDARD SPECIFICATIONS

LETTING DATE:

W.B. HOBBS, P.E.
DIVISION PROJECT MANAGER

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



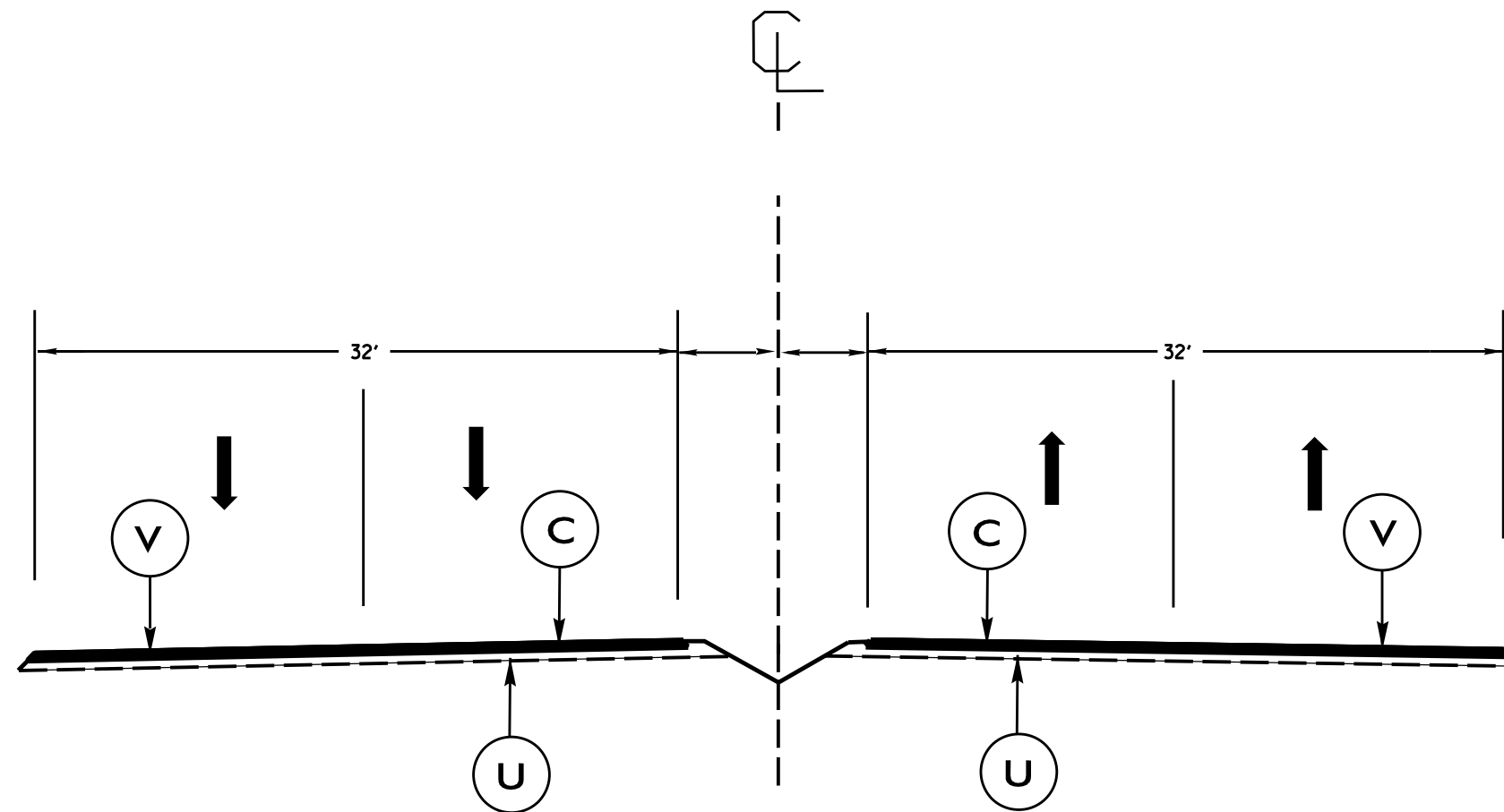
PAVEMENT SCHEDULE

C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V	MILLING BITUMINOUS PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.

NOTES:

*ALL PAVED S.R. ROADS OR RAMPS 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 SUMMARY OF QUANTITIES



TYPICAL SECTION NO. 1

USE WITH MAPS 1 - 2

NTS

SECTION 01210 - PAVEMENT
SECTION 01211 - CURBS AND GUTTERS
SECTION 01212 - MANHOLES AND STRUCTURES
SECTION 01213 - SIGNAGE

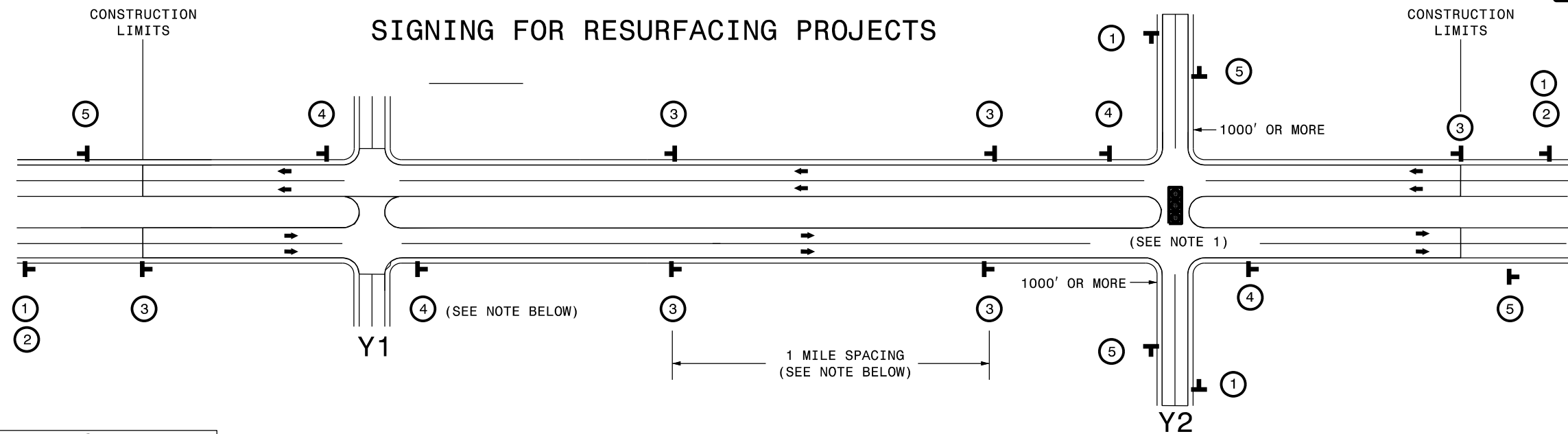
PROJECT NO.	SHEET NO.
2017CPT.01.25.10581.1	4

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LS	1½" MILLING SY	SURFACE COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TONS	WORK ZONE ADVANCE / GENERAL WARNING SIGNS SF	TEMP TRAFFIC CONTROL LS
2017CPT.01.25.10581.1	Martin	1	US 64 EB	FROM JAMESVILLE END C&G TO WASHINGTON COUNTY LINE	1	2	MD	NO	NO	6.6	32	1	130,100	10,971	658	1000	1
2017CPT.01.25.10581.1	Martin	2	US 64 WB	FROM WASHINGTON COUNTY LINE TO JAMESVILLE END C&G	1	2	MD	NO	NO	6.6	32	*	130,100	10,449	627	1000	*
GRAND TOTAL										13.2		1	260200	21420	1285	2000	1

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	16" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO RXR 120 M EA	THERMO LT ARROW 90 M EA	THERMO STR ARROW 90 M EA	THERMO RT ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	SNOW PLOWABLE MARKERS EA
2017CPT.01.25.10581.1	Martin	1	US 64 EB	FROM JAMESVILLE END C&G TO WASHINGTON COUNTY LINE	1	2	MD	6.6	32	36,168	34,848	110	25	2	42	72	1	12	107,184	70,356	650
2017CPT.01.25.10581.1	Martin	2	US 64 WB	FROM WASHINGTON COUNTY LINE TO JAMESVILLE END C&G	1	2	MD	6.6	32	36,168	34,848	110	25	2	41	76	2	8	107,184	70,356	650
GRAND TOTAL								13.2		72336	69696	220	50	4	83	148	3	20	214368	140712	1300
																254		355,080			



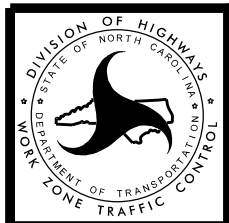
LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

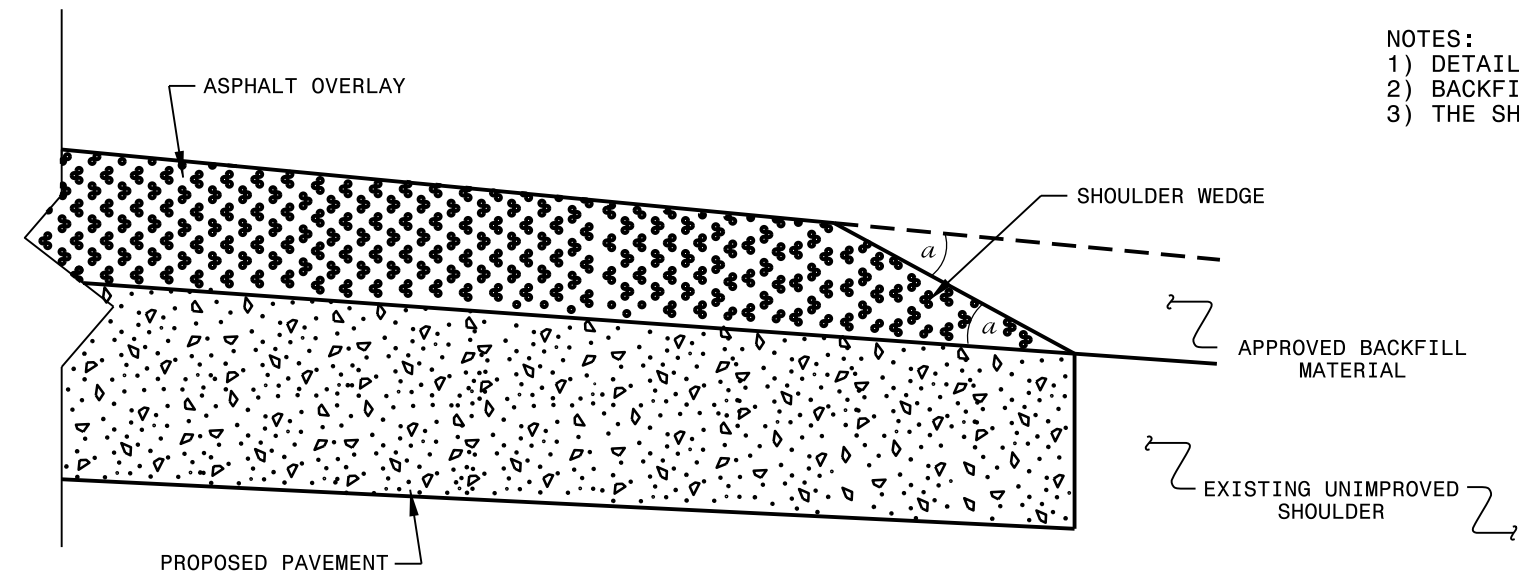
SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL 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>	

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$EDGN\$\$\$\$\$
 \$\$\$SERNAME\$\$\$

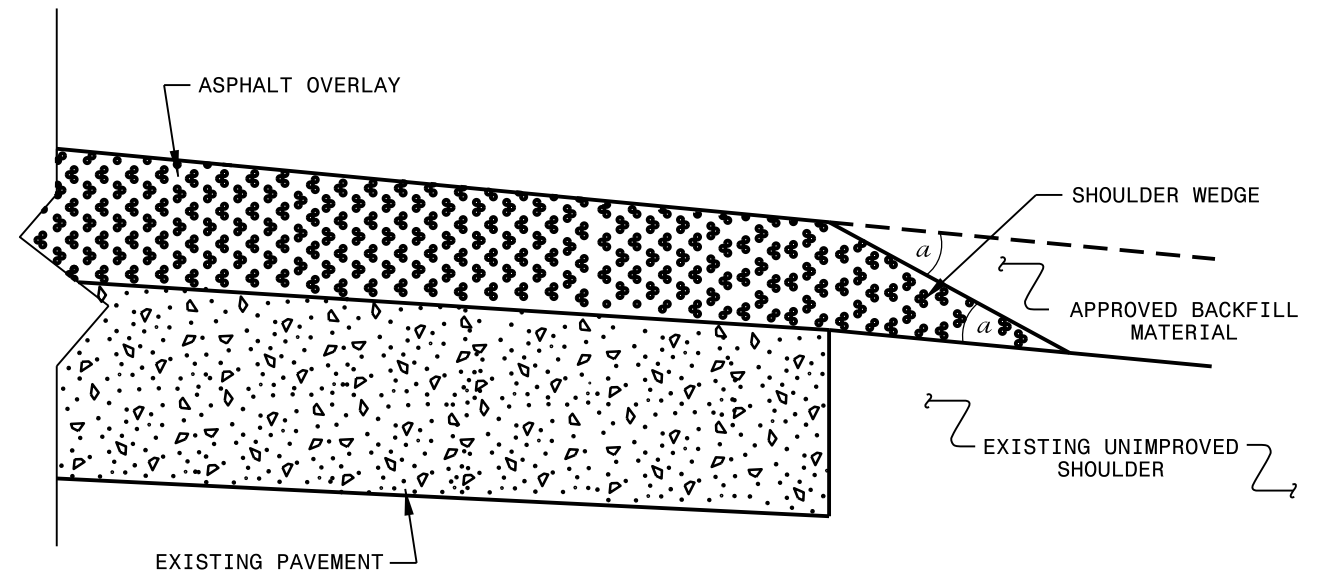


**RESURFACING
 ADVANCE WARNING SIGNS
 FOR RURAL AND SUBURBAN
 MULTI-LANE ROADWAYS
 W/ SHOULDER SECTIONS**

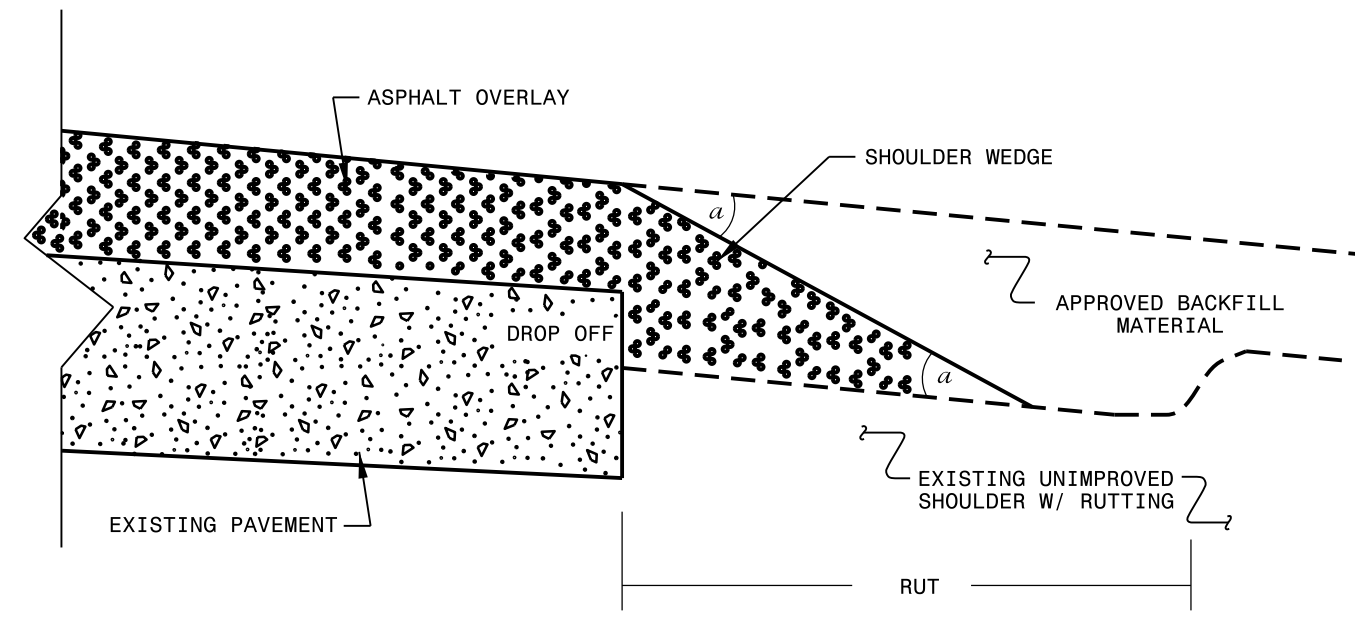
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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	CHECKED BY:	DATE: 10/16/12
MODIFIED BY:	DATE:	CHECKED BY:	DATE:
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEM: \$\$\$\$
 USER: \$\$\$\$
 DATE: \$\$\$\$