

30-JAN-2015 09:40
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 cslachta AT DICAD257101L

CONTRACT NO. : DA00231 WBS ELEMENT: 1CR.2048.67, ETC.



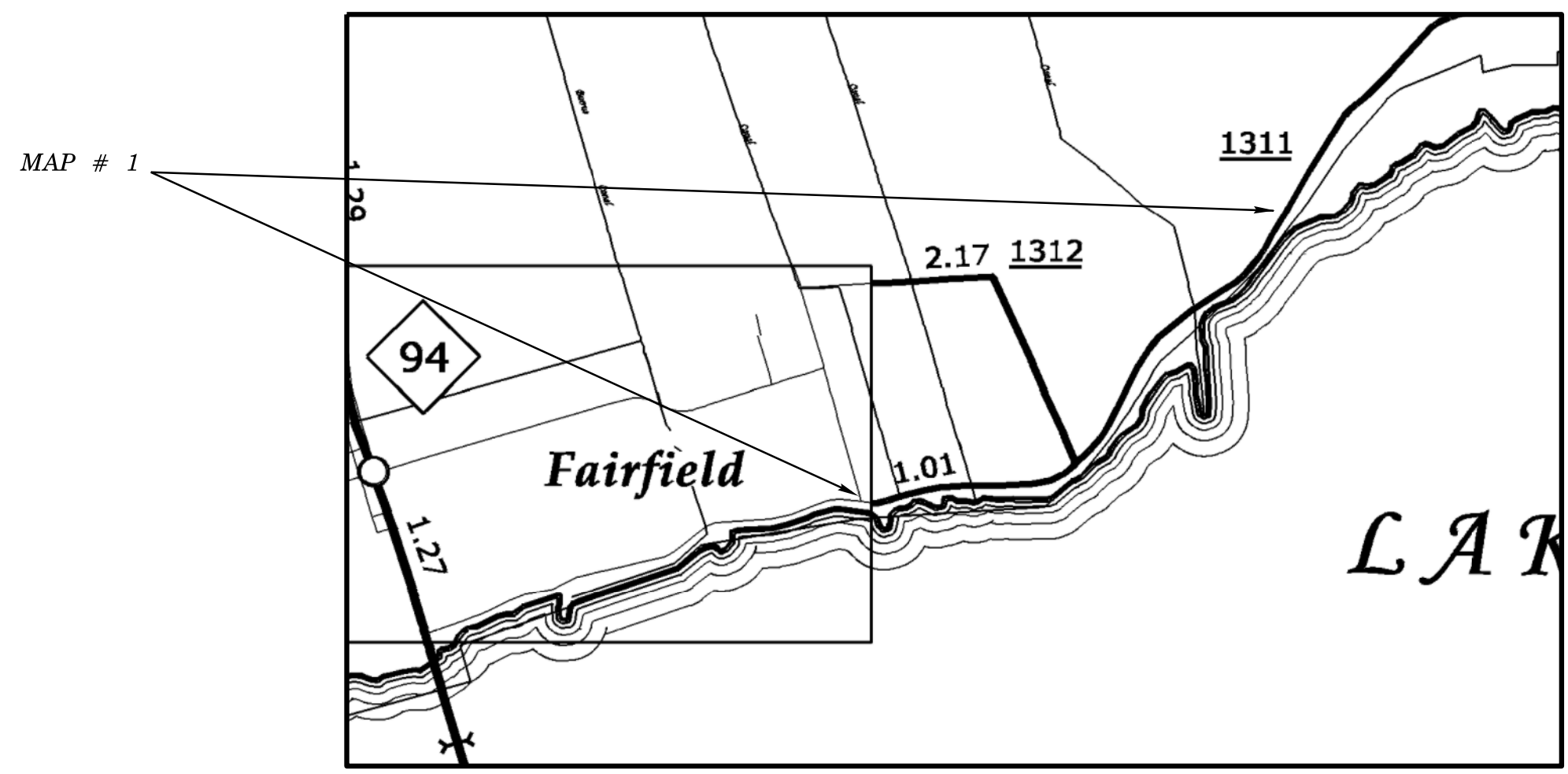
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HYDE COUNTY

LOCATION **MAP #1 SR 1311 FROM SR 1305 TO 2.06 MILES EAST**

TYPE OF WORK: **RESURFACING**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.20481.67, ETC.	1	6
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



PROJECT LENGTH

MAP#1 WBS# 1CR.20481.67 = 2.60 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS	
LETTING DATE: FEBRUARY 25, 2015	W.B. HOBBS, P.E. DIVISION PROJECT MANAGER
	C.E. SLACHTA DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

30-JAN-2015 09:43
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CONTRACT NO.: DA00231 WBS ELEMENT: ICR.2048.67, ETC.

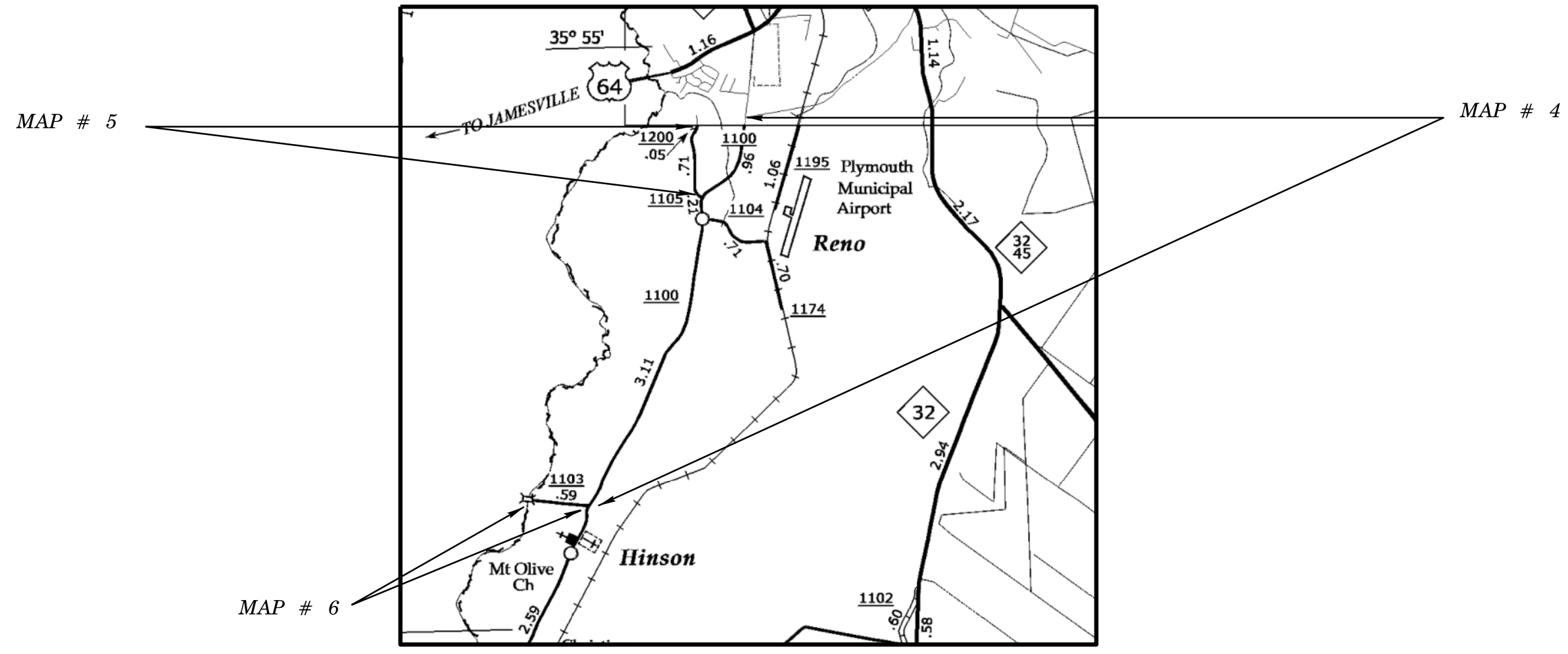


STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

WASHINGTON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.20481.67, ETC.	3	6
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

LOCATION: MAP #4 SRI100 FROM SRI106 TO SRI103 / MAP #5 SRI105 FROM SRI100 TO END PAVEMENT
MAP #6 SRI103 FROM SRI100 TO MARTIN CO. LINE
TYPE OF WORK: RESURFACING



NOT TO SCALE

PROJECT LENGTH
MAP#4 WBS# 1CR.20941.35 = 4.30 MILES
MAP#5 WBS# 1CR.20941.36 = 0.82 MILES
MAP#6 WBS# 1CR.20941.37 = 0.50 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS

2012 STANDARD SPECIFICATIONS	
LETTING DATE: FEBRUARY 25, 2015	<div style="text-align: center;"> <p>W.B. HOBBS, P.E. DIVISION PROJECT MANAGER</p> <hr/> <p>C.E. SLACHTA DIVISION PROPOSALS ENGINEER</p> </div>

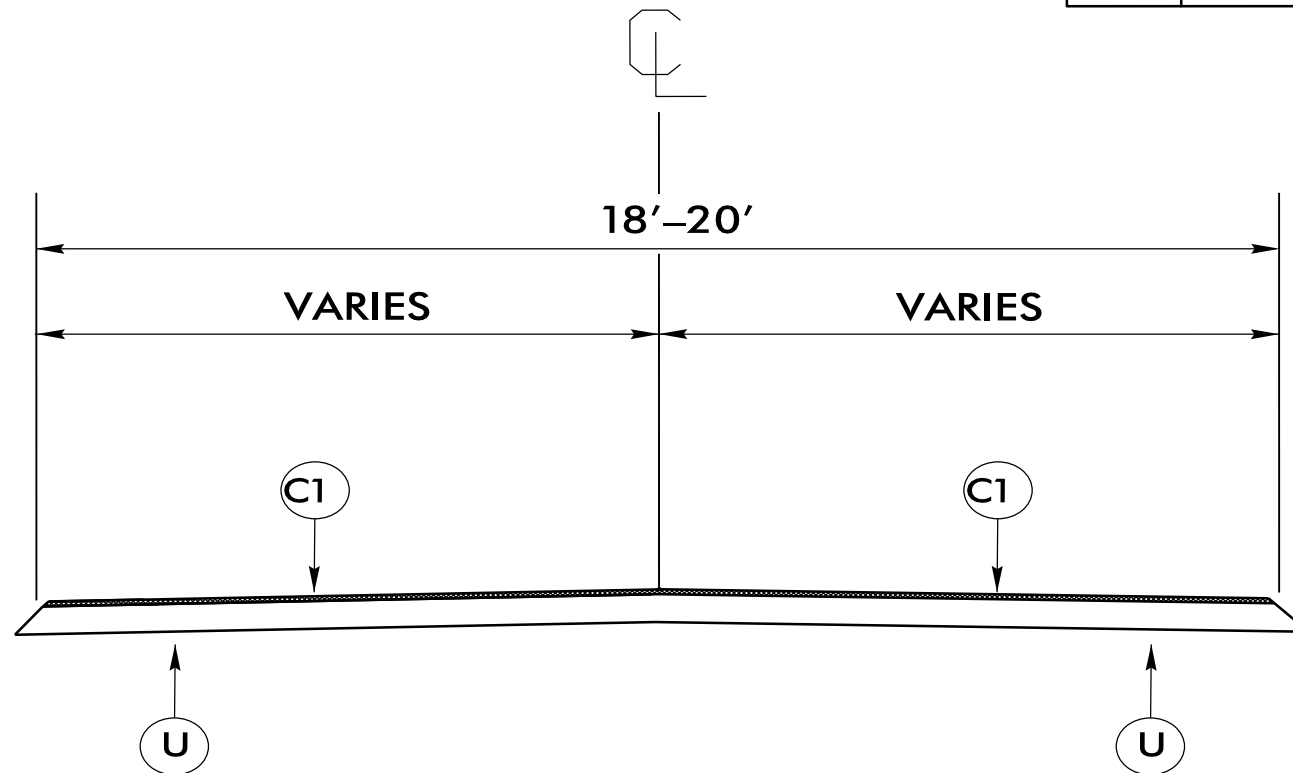
DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

NOTES:

1. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
3. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.20481.67, ETC.	4 OF 6

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
U	EXISTING PAVEMENT.



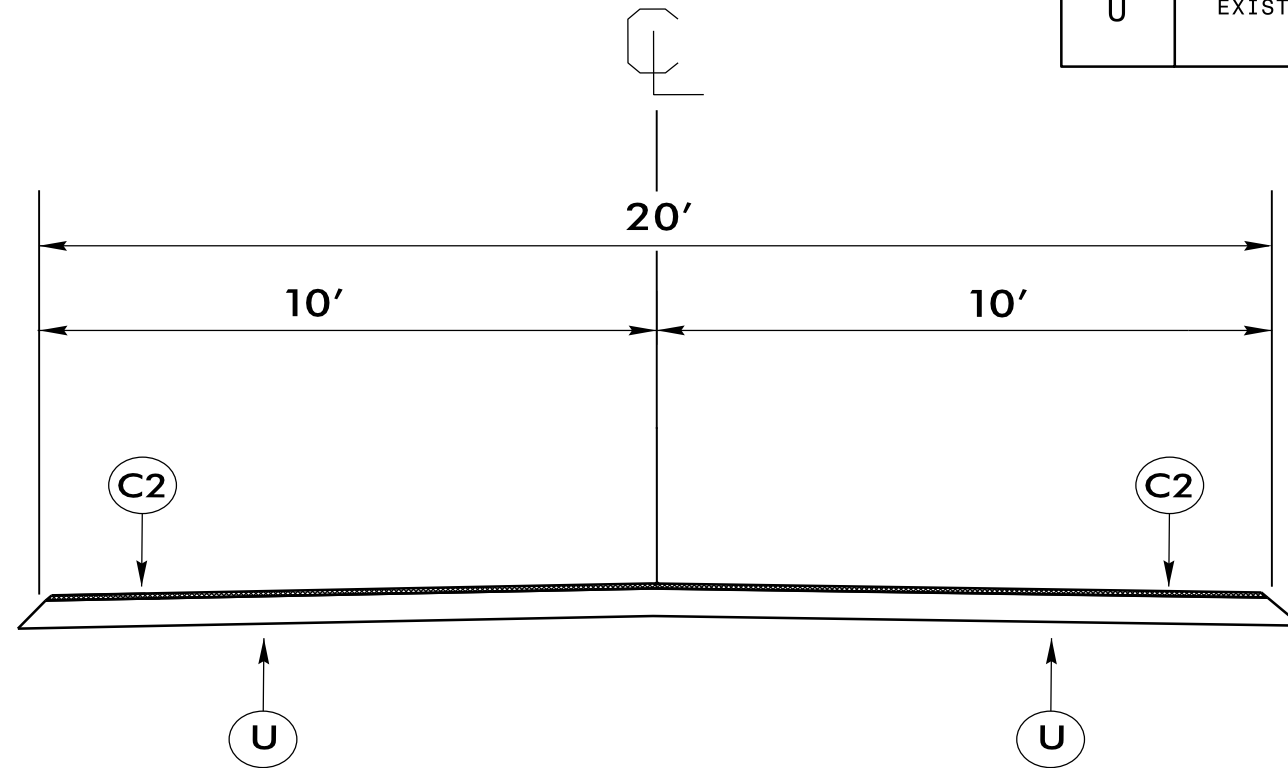
TYPICAL SECTION #1
USE WITH MAP 1, 3, 4, 5 AND 6

NOTES:

1. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
2. EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
3. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
1CR.20481.67, ETC.	5 OF 6

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE TYPE SF9.5A, AT AN AVERAGE RATE OF 220 LBS. PER SQ.YD.
U	EXISTING PAVEMENT.



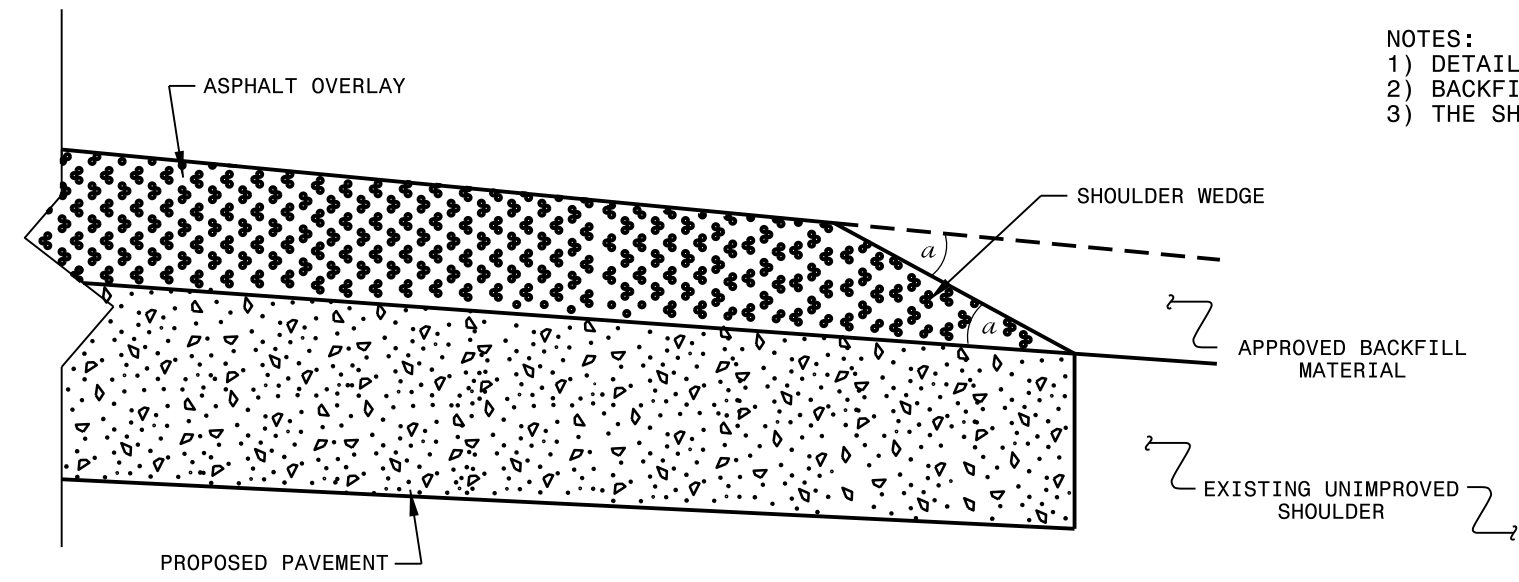
TYPICAL SECTION #2
USE WITH MAP 2

PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.20481.67, ETC.	6	6

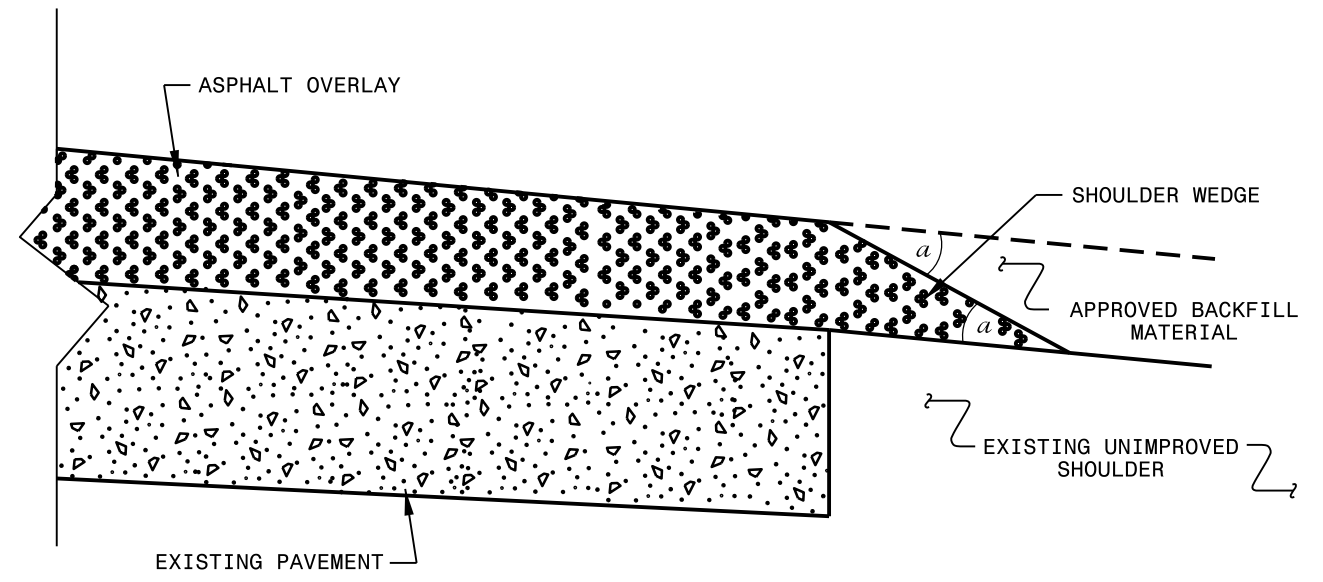
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LUMP SUM	INCIDENTAL MILLING SY	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	TEMPORARY TRAFFIC CONTROL LS
1CR.20481.67	Hyde	1	SR 1311	FROM SR 1305 TO 2.06 MILES EAST	1	2	NO	NO	2.60	20	1	100	2,786	187	1
1CR.20891.33	Tyrrell	2	SR 1201	FROM SR 1200 TO WASH. COUNTY LINE	2	2	NO	NO	0.60	20	*	100	859	58	*
1CR.20891.34	Tyrrell	3	SR 1105	FROM SR 1115 TO SR 1122	1	2	NO	NO	3.70	18	*	100	3,570	239	*
1CR.20941.35	Washington	4	SR 1100	FROM SR 1106 TO SR 1103	1	2	NO	NO	4.30	20	*	100	4,607	309	*
1CR.20941.36	Washington	5	SR 1105	FROM SR 1100 TO END PAVEMENT	1	2	NO	NO	0.82	20	*	100	879	59	*
1CR.20941.37	Washington	6	SR 1103	FROM SR 1100 TO MARTIN COUNTY LINE	1	2	NO	NO	0.50	20	*	100	536	36	*
GRAND TOTAL									12.52		1	600	13,237	888	1

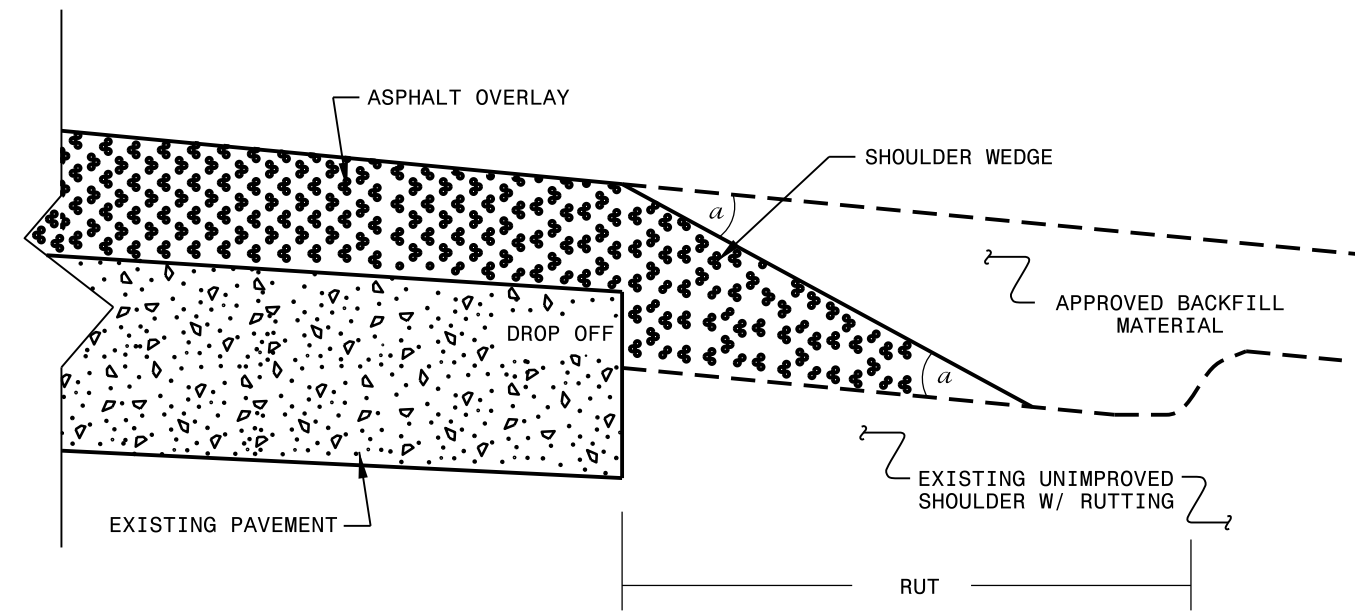
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



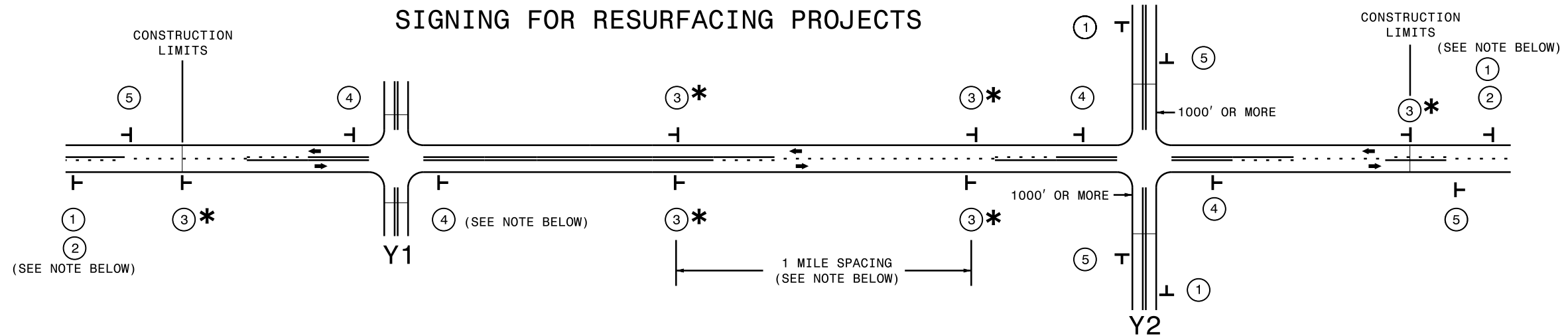
SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

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

SYSTEMS DESIGN
 USER NAME

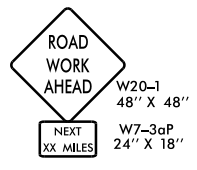
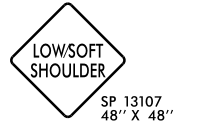

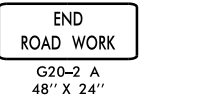
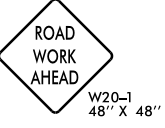

SIGNING FOR RESURFACING PROJECTS



LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">①</div> <div style="margin-bottom: 10px;">②</div> </div>		<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>
③*		<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>
④		<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>
⑤		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</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; align-items: center;"> <div style="text-align: center;">  <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div style="text-align: center;">  <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>

* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS