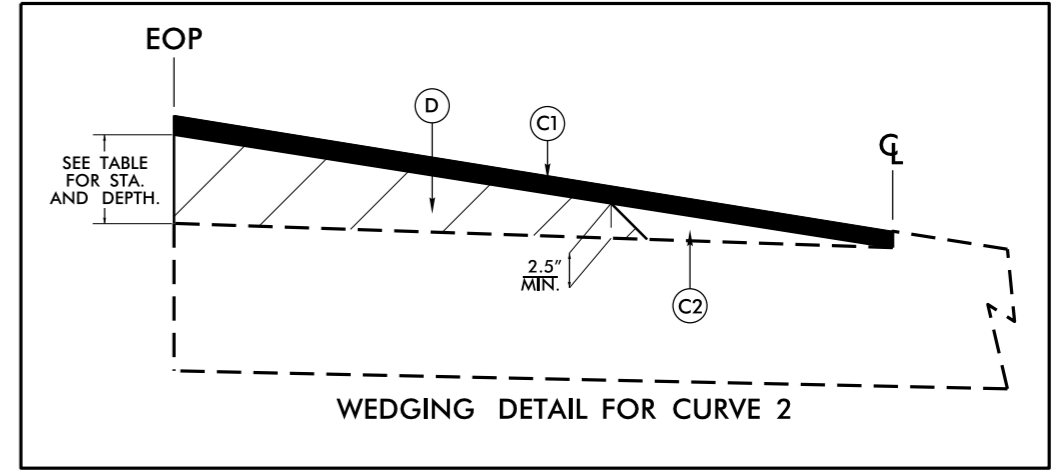


TYPICAL SECTION
STA. 14+00 TO 20+50



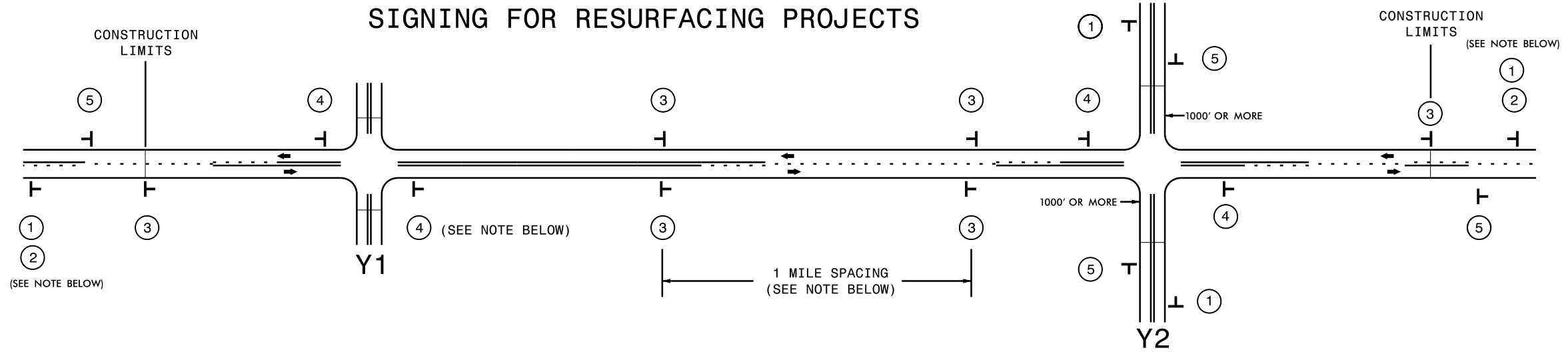
WEDGING DEPTH

STATION	LENGTH	WIDTH	EOP DEPTH FEET
14+00	50	17	0.000
14+50	50	17	0.145
15+00	50	17	0.195
15+50	50	17	0.245
16+00	50	17	0.365
16+50	50	17	0.425
17+00	50	17	0.495
17+50	50	17	0.515
18+00	50	17	0.635
18+50	50	17	0.695
19+00	50	17	0.795
19+50	50	17	0.615
20+00	50	17	0.185
20+50	50	17	0.000

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
D	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	0" TO 1½" MILLING
V2	MILLED RUMBLE STRIPS STD 665.01
W	WEDGING (SEE WEDGING DETAIL)

6/2/99
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 17:40:07

SIGNING FOR RESURFACING PROJECTS



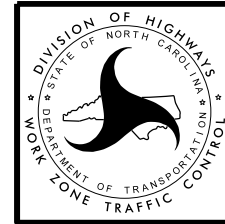
LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

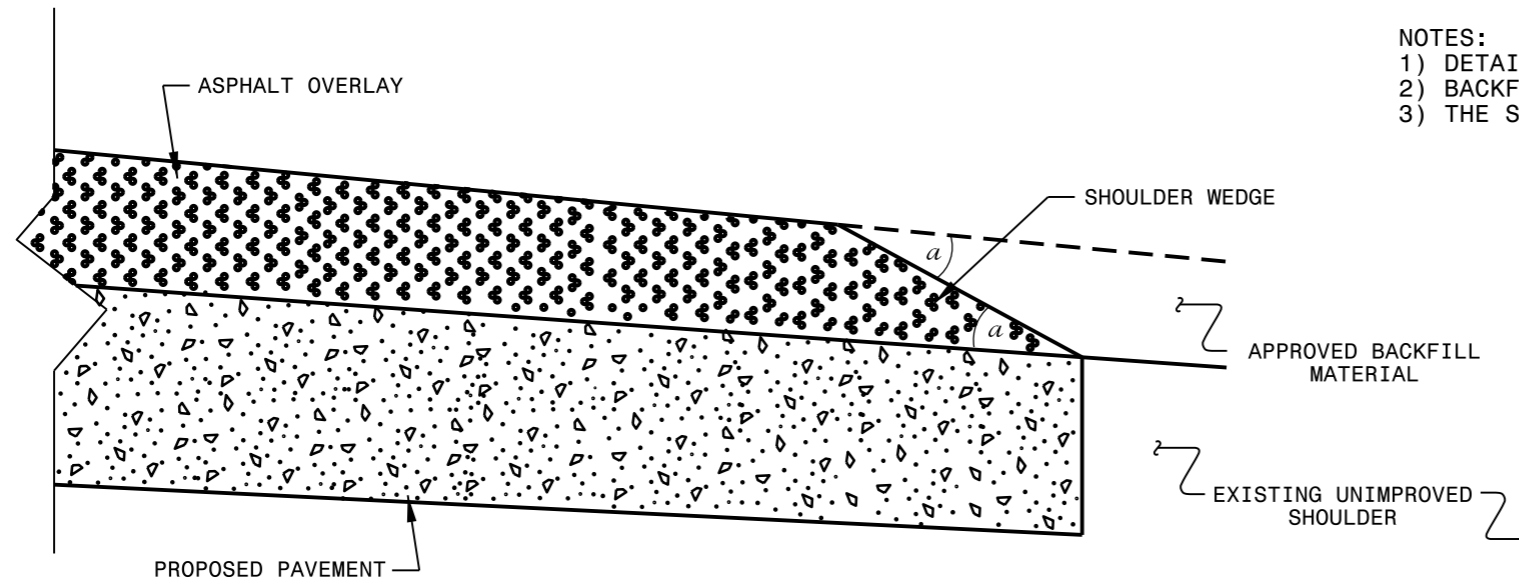
SIGNING NOTES AND PLACEMENT PER DIRECTION	1	2	3	4	5	
	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p> <p>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>					
	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS 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> <p> PLACED 500' IN ADVANCE OF FLAGGER.</p> <p> PLACED 250' IN ADVANCE OF FLAGGER.</p>					

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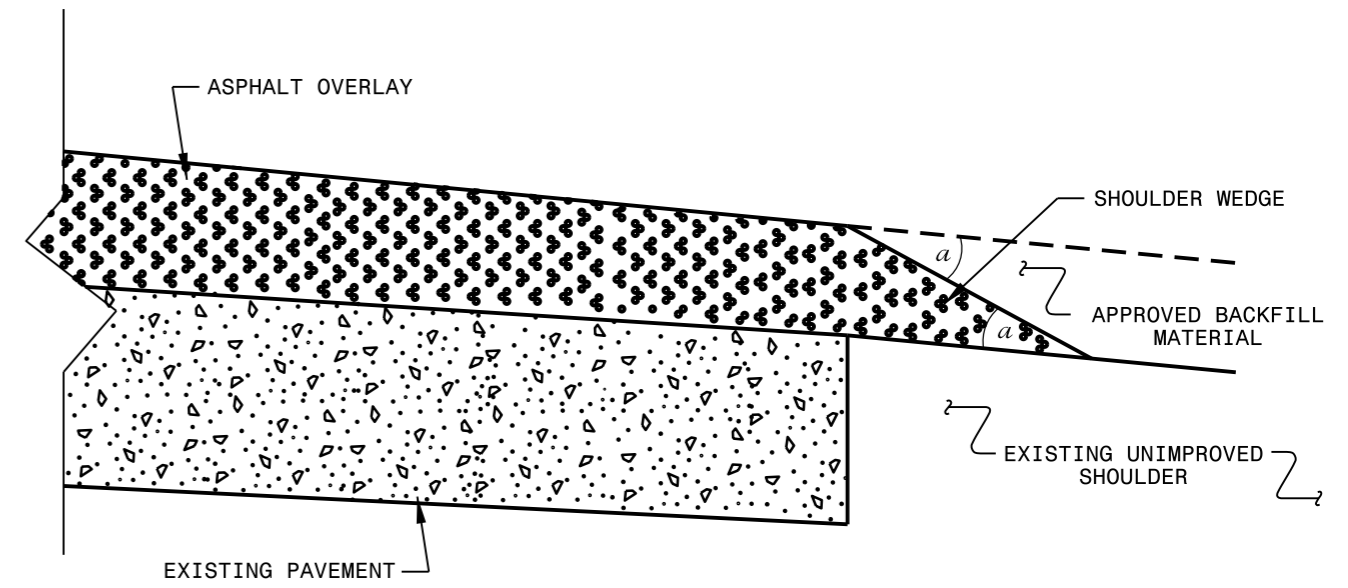


RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

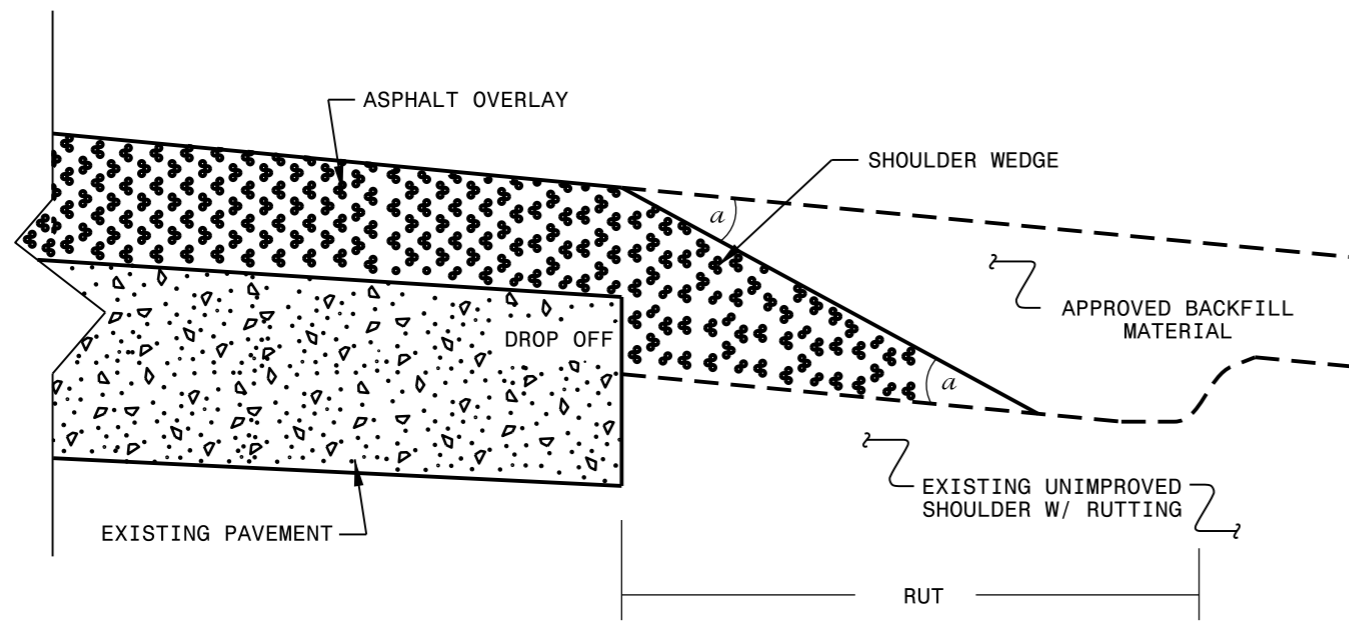
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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.: s:\usr\details\stand\shoulderwedgedetail.dgn

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PROJECT NO.	SHEET NO.	TOTAL NO.
46141.3.1, W5318	5	5

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 0" TO 1 1/2" DEPTH SY	INTERMEDIATE COURSE, I19.0B TONS	ASPHALT CONC SURFACE COURSE, TYPE S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TONS	MILLED RUMBLE STRIPS LF	SEEDING & MULCHING AC
46141.3.1	Orange	1	NC 86	FROM STA 14+00 TO STA 20+50 LT LANE ONLY	1	1	2WD	NO	NO	0.123	17	325	0.11	1,227	175	104	15	650	0.10
TOTAL FOR MAP NO. 1										0.123		325	0.11	1,227	175	104	15	650	0.10
TOTAL FOR PROJ NO. 46141.3.1										0.123		325	0.11	1,227	175	104	15	650	0.10
GRAND TOTAL										0.123		325	0.11	1,227	175	104	15	650	0.10

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	TEMPORARY TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	SNOWPLOWABLE PAVEMENT MARKERS EA
46141.3.1	Orange	1	NC 86	FROM STA 14+00 TO STA 20+50 LT LANE ONLY	1	1	2WD	0.123	17	1	650	1,300	12
TOTAL FOR MAP NO. 1								0.123		1	650	1,300	12
TOTAL FOR PROJ NO. 46141.3.1								0.123		1	650	1,300	12
GRAND TOTAL								0.123		1	650	1,300	12