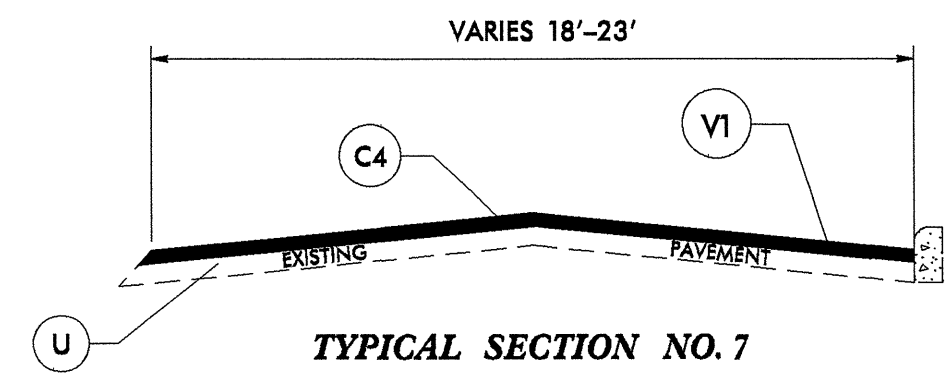
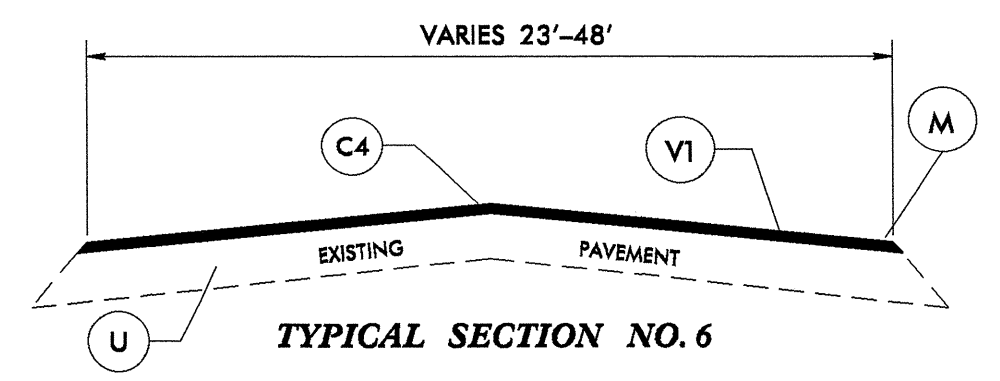
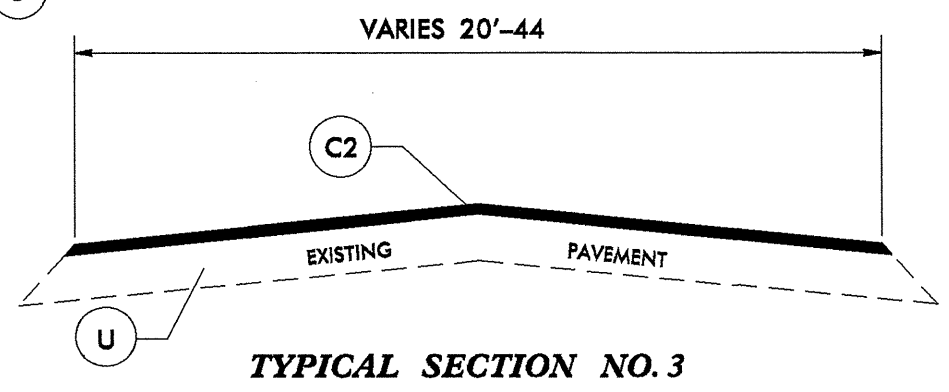
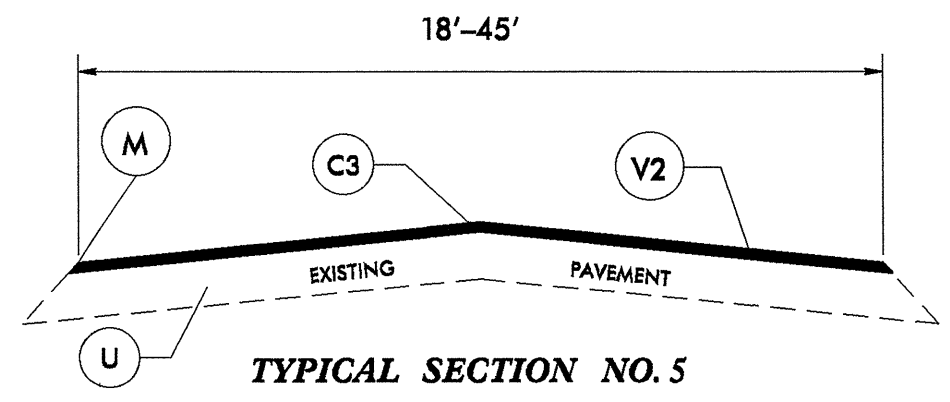
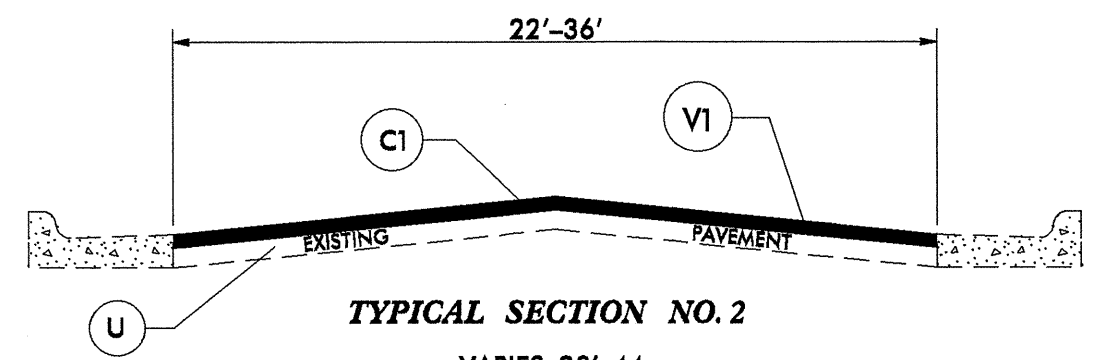
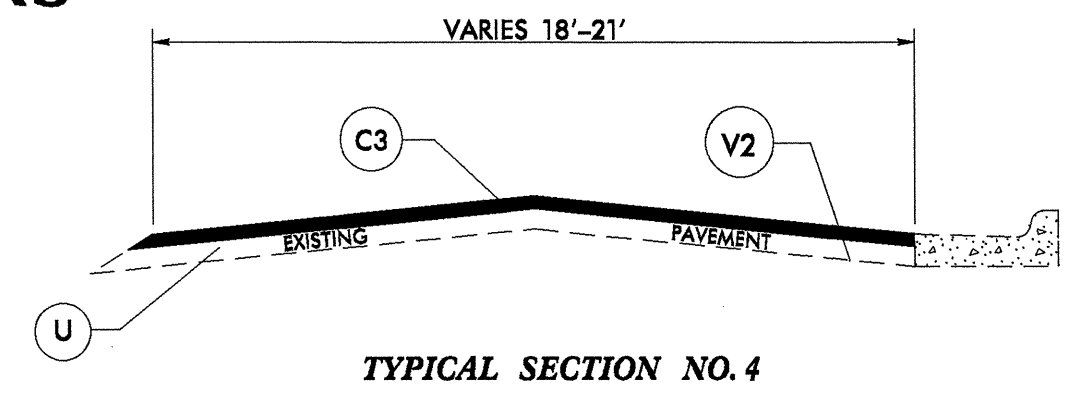
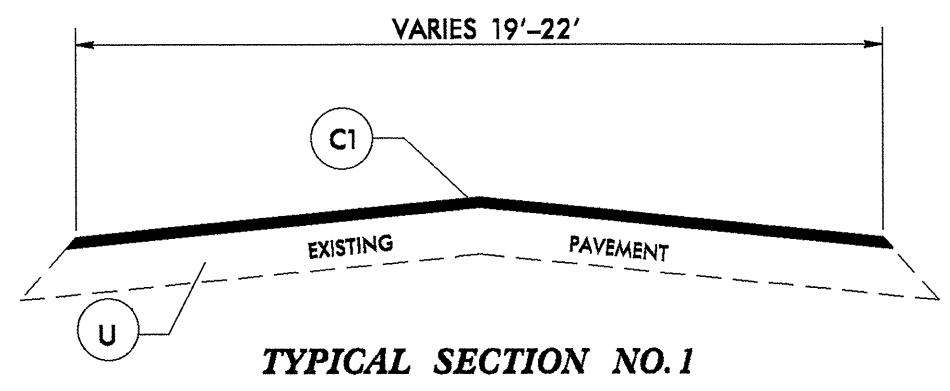


MONTGOMERY COUNTY

MONTGOMERY CO TYPICAL SECTIONS



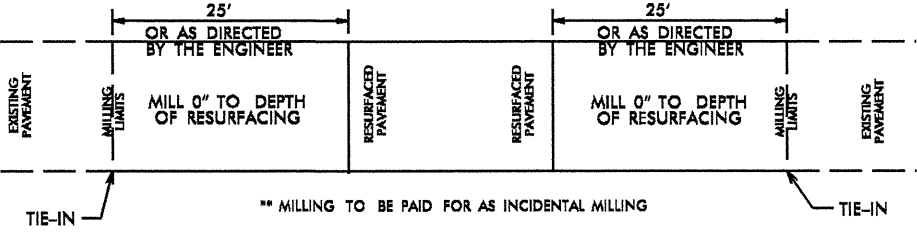
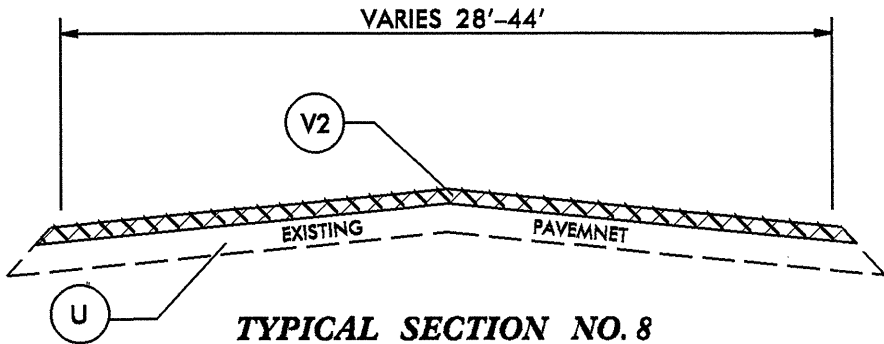
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C4	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
M	MILLED RUMBLE STRIP (OUTSIDE SHOULDER) (RUMBLE STRIPS DO NOT RUN ENTIRE LENGTH)
U	EXISTING PAVEMENT
V1	MILLING 1 1/2" IN DEPTH.
V2	MILLING 2" IN DEPTH.

*** SHOULDER RECONSTRUCTION WILL BE DONE BY NCDOT**

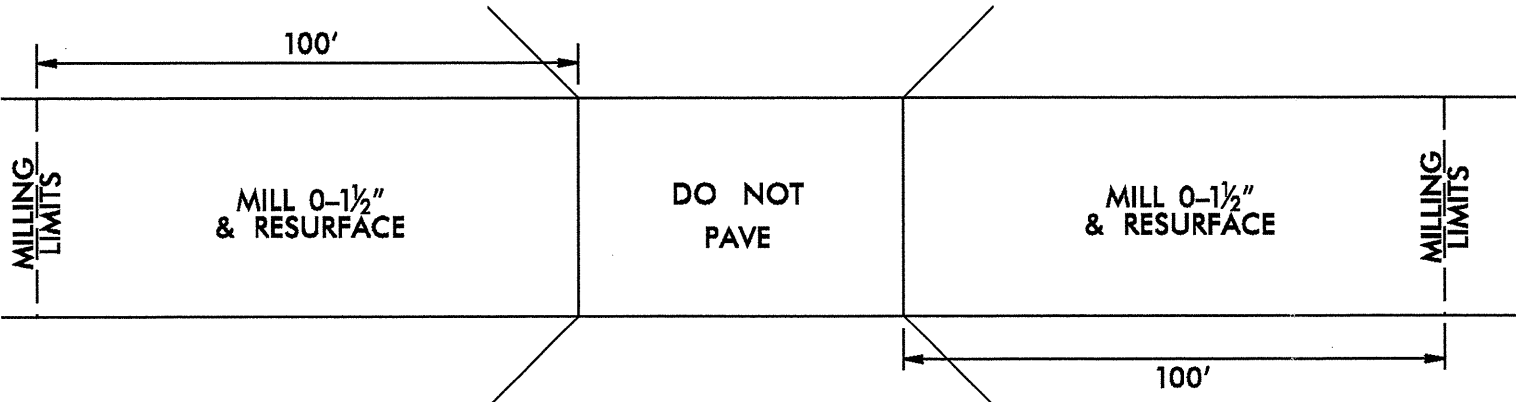
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 User: AT CS0261658

MONTGOMERY CO MILLING TYPICALS

WBS ELEMENT	SHEET NO.
8CR.10621.23, 8CR.20621.23	3



PAVEMENT TIE-IN DETAIL



BRIDGE and APPROACH MILLING
** MILLING TO BE PAID FOR AS INCIDENTAL MILLING

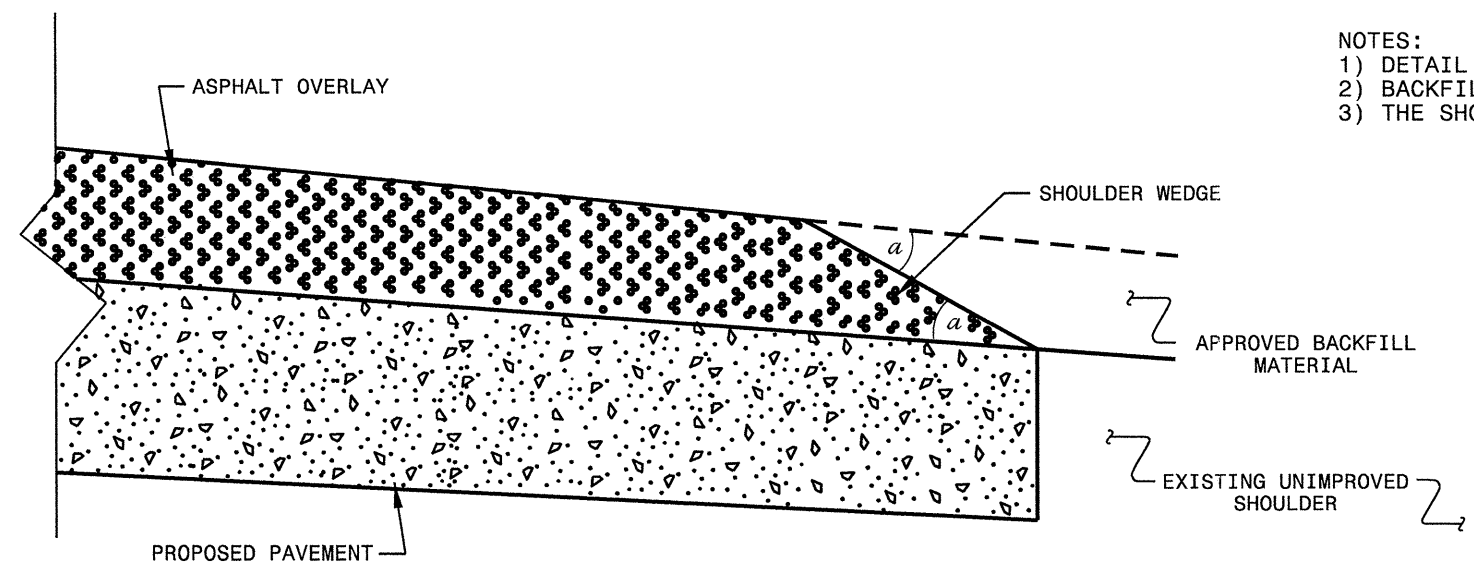
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
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M	MILLED RUMBLE STRIP (OUTSIDE SHOULDER) (RUMBLE STRIPS DO NOT RUN ENTIRE LENGTH)
U	EXISTING PAVEMENT
V1	MILLING 1 1/2" IN DEPTH.
V2	MILLING 2" IN DEPTH.

***SHOULDER RECONSTRUCTION WILL BE DONE BY NCDOT**

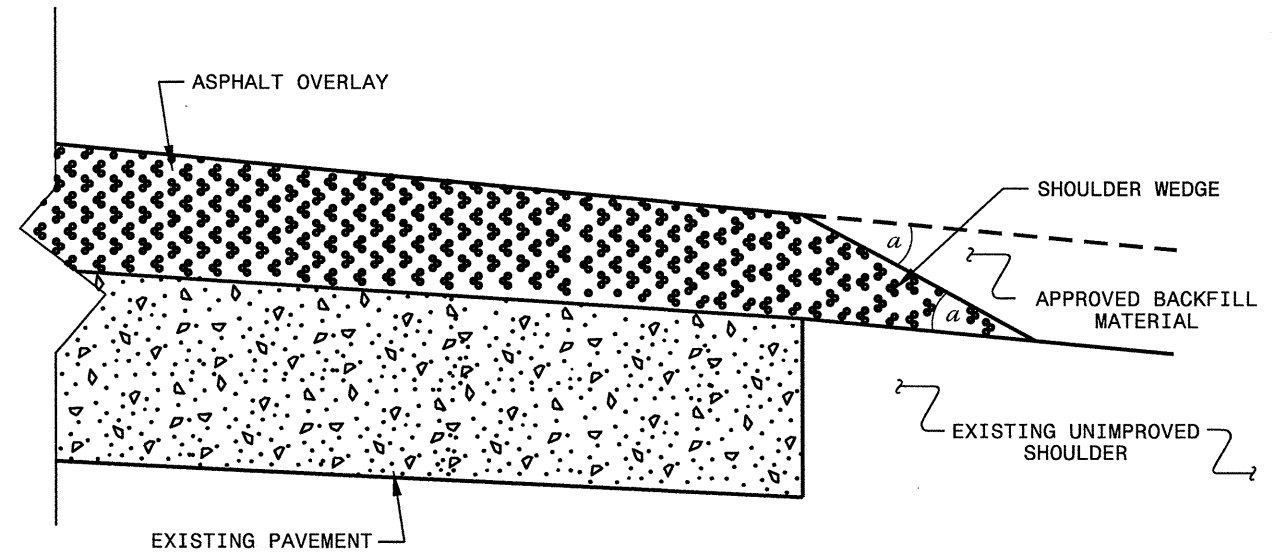
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*****REVISIONS*****

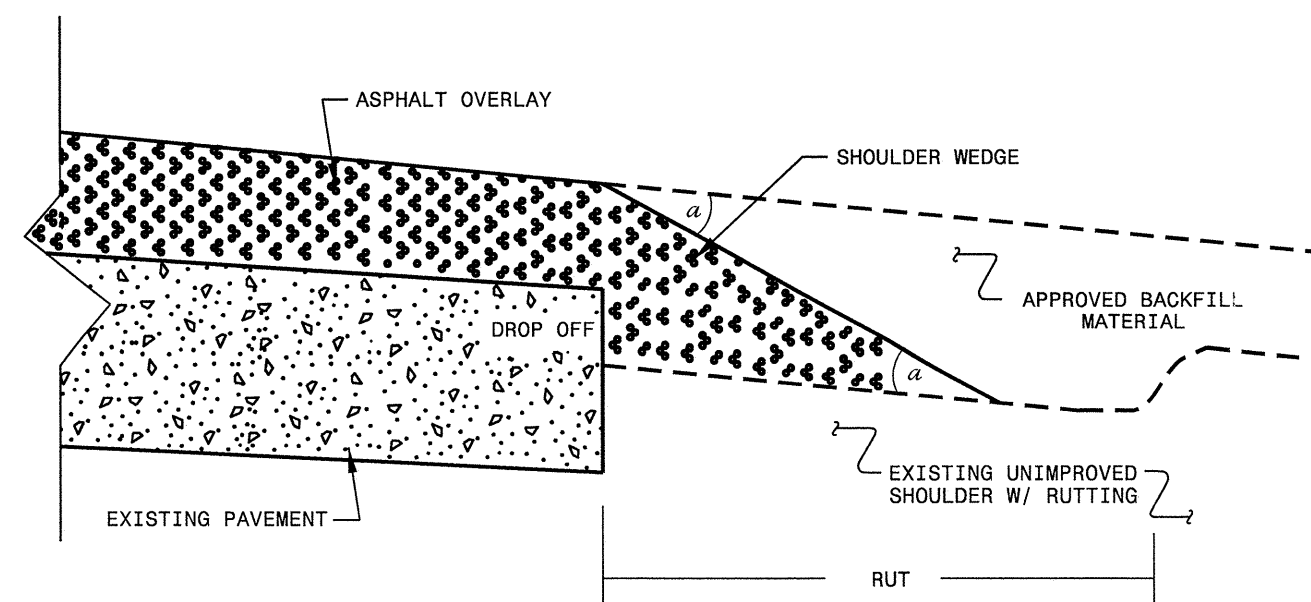
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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		

 USER NAME *****

PROJECT NO.	SHEET NO.	TOTAL NO.
8CR.10621.23, 8CR.20621.23	5	

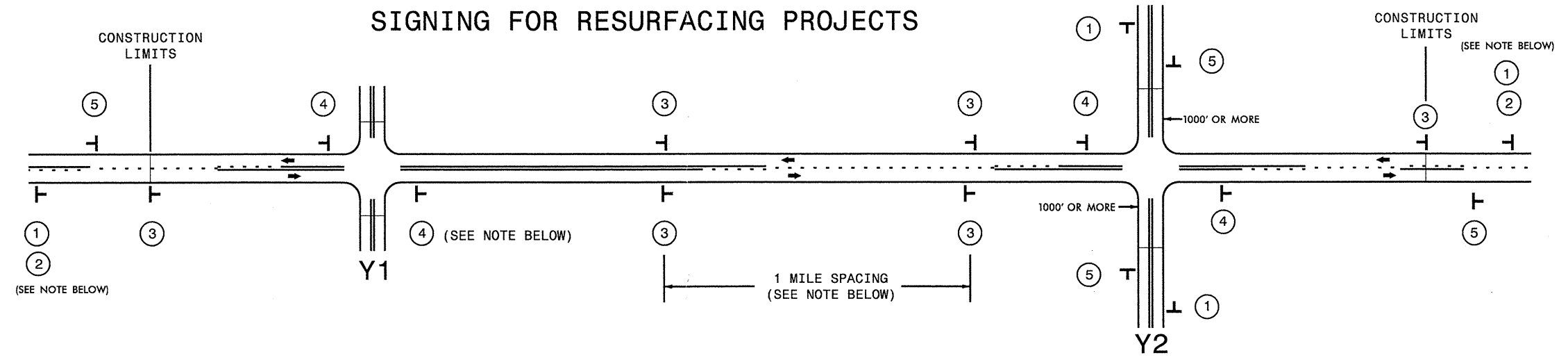
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	2" MILLING SY	1.5" MILLING SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	SURFACE COURSE, SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TONS	MILLED RUMBLE STRIPS LF	ADJ. OF MAN-HOLES EA	ADJ. OF METER OR VALVE BOXES EA
8CR.10621.23	Montgomery	1	US 220 NB	OFF RAMP AT NC 211 INTERCHANGE	4,5	NO	NO	0.27	18-21		3,200				350		21	800		
8CR.10621.23	Montgomery	2	US 220 NB	ON RAMP AT NC 211 INTERCHANGE	5	NO	NO	0.5	24-45		6,900				800		47	1,453		
8CR.10621.23	Montgomery	3	US 220 SB	OFF RAMP AT NC 211 INTERCHANGE	6	NO	NO	0.43	25-48			6,200			720		42	635		
8CR.10621.23	Montgomery	4	US 220 SB	ON RAMP AT NC 211 INTERCHANGE	6,7	NO	NO	0.31	18-23			3,700			305		18	700		
TOTAL FOR PROJ NO. 8CR.10621.23								1.51			10,100	9,900			2,175		128	3,588		
8CR.20621.23	Montgomery	5	SR 1354 (BLACK ANKLE RD)	FROM US 220A TO SR 1409 (CAGLE RD)	3,8	NO	NO	0.38	28-44		9,400			1,110			67			
8CR.20621.23	Montgomery	6	SR 1354 (BLACK ANKLE RD)	FROM SR 1409 (CAGLE RD) TO SR 1349 (ETHER RD)	3	NO	NO	3.15	20	50			25	4,195			252			
8CR.20621.23	Montgomery	7	SR 1554 (TROY-CANDOR RD)	FROM NC 24/27 TO SR 1519 (CANDOR-TROY RD)	1, 2	NO	NO	3.5	22-36	50		7,185	550			4,157	279		5	2
8CR.20621.23	Montgomery	8	SR 1578 (HICKS RD)	FROM SR 1005 (PEKIN RD) TO SR 1519 (CAPELSIE RD)	1	NO	NO	1.71	19	50			400			1,623	109			
TOTAL FOR PROJ NO. 8CR.20621.23								8.74		150	9,400	7,185	975	5,305		5,780	707		5	2
GRAND TOTAL								10.25		150	19,500	17,085	975	5,305	2,175	5,780	835	3,588	5	2

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LENGTH	WIDTH	4413000000	4457000000-N	4685000000-E	4686000000-E		4695000000	4710000000	4721000000	4725000000-E		4770000000-	4810000000-E		4905000000-N		
									WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	TEMPORARY TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 90 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	8" X 90 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG ONLY 120 M EA	THERMO STR ARROW 90 M EA	THERMO LT ARROW 90 M EA	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 4 (4") LF	4" WHITE PAINT LF	4" YELLOW PAINT LF	SNOW PLOWABLE MARKERS C & R MARKERS EA	SNOW PLOWABLE MARKERS Y & Y MARKERS EA
8CR.10621.23	Montgomery	1	US 220 NB	OFF RAMP AT NC 211 INTERCHANGE	4,5	1	0.27	18-21			1,425	1,425		416	30		1					18		
8CR.10621.23	Montgomery	2	US 220 NB	ON RAMP AT NC 211 INTERCHANGE	5	1	0.5	24-45	*	*	2,660	2,660		450			3					18		
8CR.10621.23	Montgomery	3	US 220 SB	OFF RAMP AT NC 211 INTERCHANGE	6	1	0.43	25-48			2,270	2,270		790	23							18		
8CR.10621.23	Montgomery	4	US 220 SB	ON RAMP AT NC 211 INTERCHANGE	6,7	1	0.31	18-23			1,640	1,640		338			1					18		
TOTAL FOR PROJ NO. 8CR.10621.23							1.51		320	1	7,995	7,995		1,994	53		5					72		
											15,990						5					72		
8CR.20621.23	Montgomery	5	SR 1354 (BLACK ANKLE RD)	FROM US 220A TO SR 1409 (CAGLE RD)	3,8	2	0.38	28-44			2,170		350	1,968	200	30	8	6	4	1,005	2,532	2,532	20	29
8CR.20621.23	Montgomery	6	SR 1354 (BLACK ANKLE RD)	FROM SR 1409 (CAGLE RD) TO SR 1349 (ETHER RD)	3	2	3.15	20	*	*											66,500	53,300		
8CR.20621.23	Montgomery	7	SR 1554 (TROY-CANDOR RD)	FROM NC 24/27 TO SR 1519 (CANDOR-TROY RD)	1,2	2	3.5	22-36													66,739	73,920		
8CR.20621.23	Montgomery	8	SR 1578 (HICKS RD)	FROM SR 1005 (PEKIN RD) TO SR 1519 (CAPELSIE RD)	1	2	1.71	19													36,799	22,572		
TOTAL FOR PROJ NO. 8CR.20621.23							8.74		979	1	2,170		350	1,968	200	30	8	6	4	1,005	172,570	152,324	20	29
											2,170		2,318					10			324,894		49	
GRAND TOTAL							10.25		1,299	1	10,165	7,995	350	1,968	2,194	83	8	11	4	1,005	172,570	152,324	92	29
											18,160		2,318					15			324,894		121	

SIGNING FOR RESURFACING PROJECTS



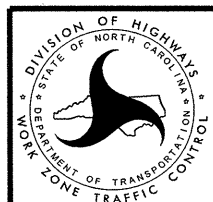
LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

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;"> <p>W20-1 48" X 48"</p> </div> <div style="text-align: center;"> <p>W20-7 A 48" X 48"</p> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</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>	

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**RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS**