STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 6

PLANS

Letting Date: November 18, 2026

CONTRACT ID: **DF00567**

TIP NO.: **------**

FEDERAL AID NO.: **STATE FUNDED**

WBS ELEMENT NO.: **2027CPT.06.08.20431.1**

ROUTE NO.: **VARIES**

LOCATION: **VARIES**

COUNTY: **HARNETT**

LENGTH OF PROJECT: **16.02 MILES**

TYPE OF WORK: **WIDENING, RESURFACING & SHOULDER RECONSTRUCTION**

Harnett County Resurfacing, 2026

Contract: DF00567

0 0.05 0.1 0.2 Miles

Legend

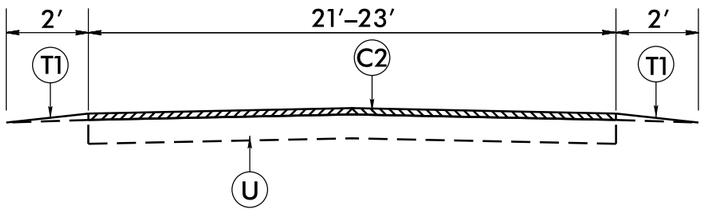
WBS: 2027CPT.06.08.20431.1

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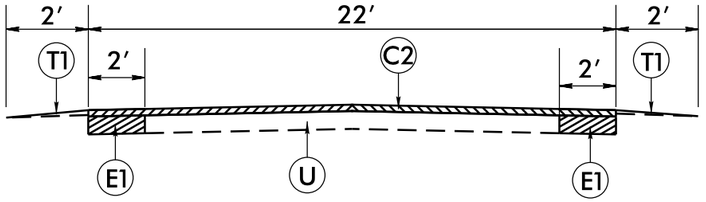
PROJECT REFERENCE NO.	SHEET NO.

PAVEMENT SCHEDULE

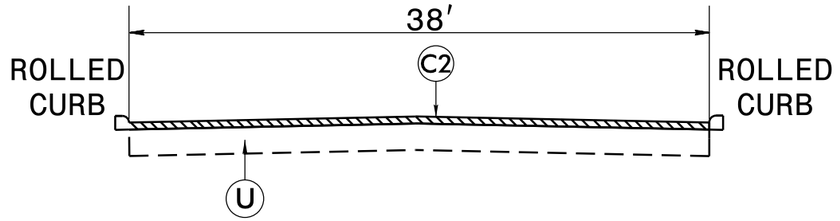
C1	1″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C2	1½″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	0″ - 1½″ MILLING
V2	1½″ MILLING



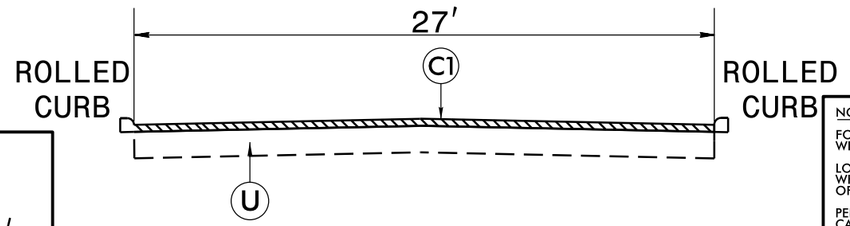
TYPICAL SECTION NO. 1



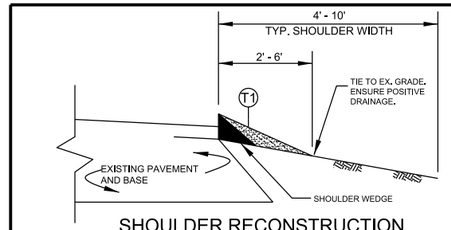
TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 3



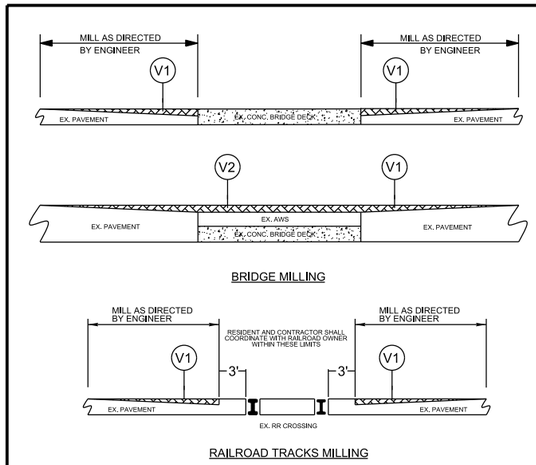
TYPICAL SECTION NO. 4



SHOULDER RECONSTRUCTION

NOTES:

1. SHOULDER SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM ROADWAY.
2. AGGREGATE SHOULDER BORROW (ASB) MATERIAL SHALL BE PLACED USING A WIDENING MACHINE OR SIMILAR DEVICE.
3. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
4. REQUIRED BORROW MATERIAL MAY BE OBTAINED BY THE CONTRACTOR FROM WIDENING OPERATIONS WITHIN THE PROJECT LIMITS, FROM NCDOT APPROVED BORROW PITS OR FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

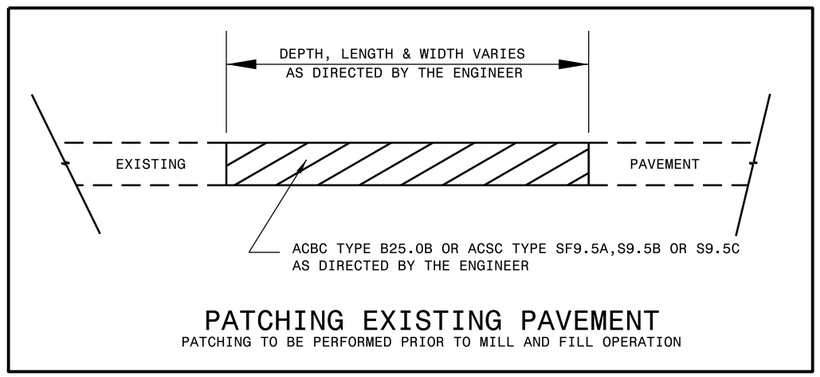


BRIDGE MILLING

RAILROAD TRACKS MILLING

MILLING APPROACHES

NOTE:
-MILLING SHALL BE PERFORMED AT RR CROSSINGS, BRIDGE DECKS AND BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.
-FOR RR CROSSINGS, RAILROAD OWNER MUST AUTHORIZE ACCESS TO RIGHT OF WAY PRIOR TO ENTRY.



PATCHING EXISTING PAVEMENT

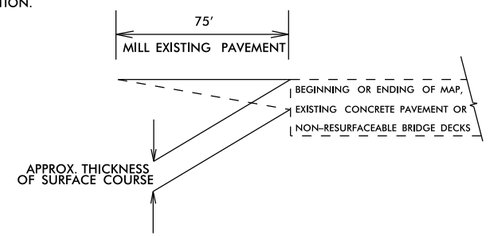
PATCHING TO BE PERFORMED PRIOR TO MILL AND FILL OPERATION

NOTES TO CONTRACTOR

FOR SURFACE MIXES OVER 1" IN THICKNESS, MILL THE EXISTING PAVEMENT IN ACCORDANCE WITH THE FOLLOWING SKETCH AS DIRECTED BY THE ENGINEER.

LOCATIONS SHALL INCLUDE TIES INTO EXISTING CONCRETE PAVEMENT, AT BRIDGE APPROACHES WHERE THE BRIDGE WILL NOT BE RESURFACED, AND AT THE BEGINNING AND ENDING POINT OF EACH RESURFACING MAP.

PERFORM THE WORK IN ACCORDANCE WITH SECTION 607 OF THE JANUARY 2024 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. RESURFACING WILL BE ACCOMPLISHED AT THE SAME TIME AS THE MILLING OPERATION.

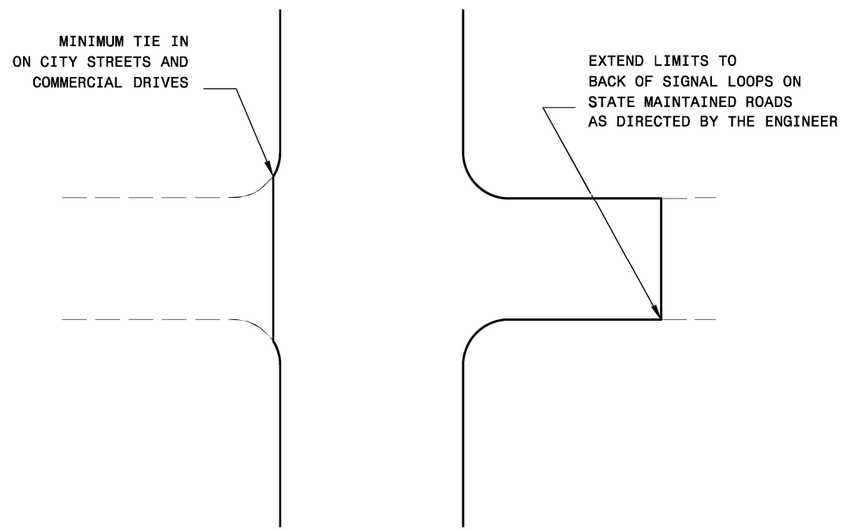


MILLING AT PAVEMENT TIE-INS DETAIL

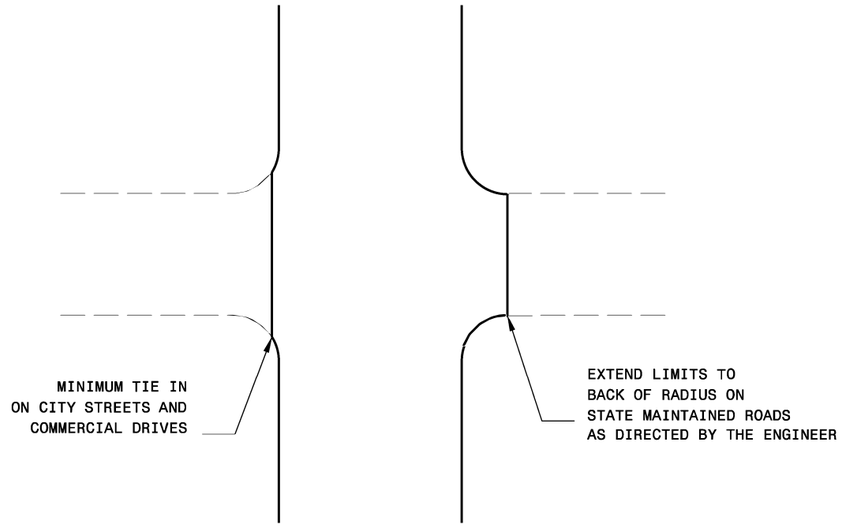
6/2/99

23-OCT-2026 11:28
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$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.



TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



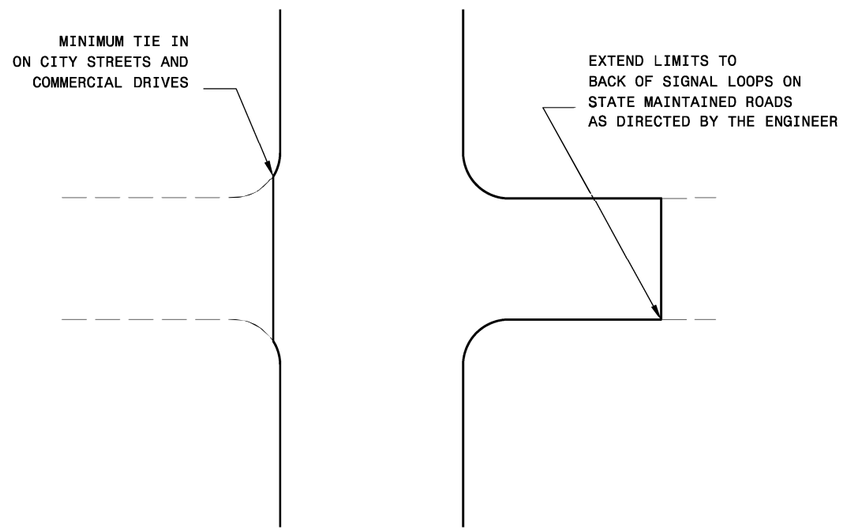
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

ADDITIONAL INTERSECTIONS (NON-TYPICAL)

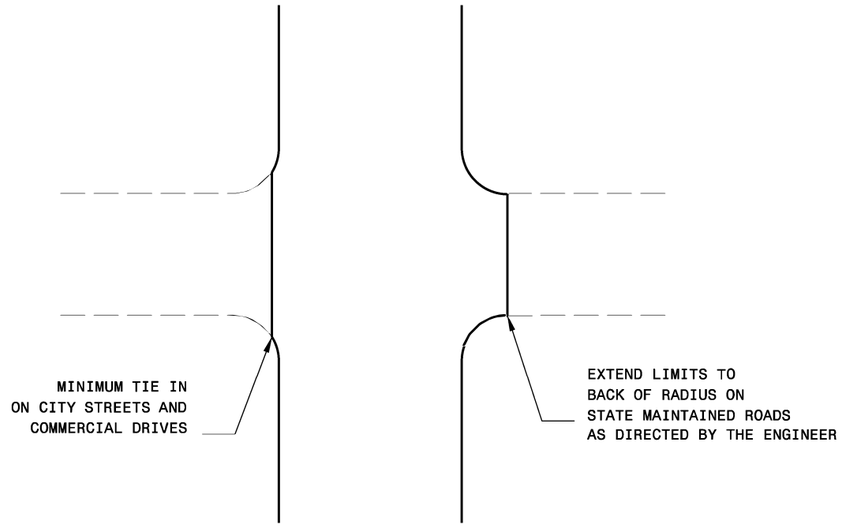
Extend paving limits to back of radius
or loop on the following intersections:

MAP#	STREET NAME	COMMENTS
1	SR 1769 RT Avery Road	86.55 ft from EP of L-Line 715.88 SY
1	SR 1769 RT Crawford Road	50 ft from EP of L-Line 190.44 SY
1	SR 1769 RT Cutis Drive	67 ft from EP of L-Line 278.65 SY
1	SR 1769 RT Hall Road	54.70 ft from EP of L-Line 220.7 SY
2	SR 2027 RT Covington Rd	53 ft from EP of L-Line 261.24 SY
3	SR 2045 LT McClean Chapel Rd	98 ft from EP of L-Line 1361.1 SY
3	SR 2045 LT Raynor Mclamb Rd	51 ft from EP of L-Line 538.3 SY
3	SR 2045 LT McArtan Rd	50 ft from EP of L-Line 505.5 SY
3	SR 2045 RT Over Hills Rd	55 ft from EP of L-line 617.2 SY
3	SR 2045 LT Will Lucas Rd	104 ft from EP of L-line 1918.2 SY
3	SR 2045 LT Rock Harbor Ln	30 ft from EP of L-line 270 SY
3	SR 2025 RT Michaelyn Ln	60 ft from EP of L- line 453.3 SY
3	SR 2045 LT Tradewinds Dr	26 ft from EP of L-line 225.3 SY
3	SR 2045 LT Riverwind DR	35 ft from EP of L- line 385 SY
3	SR 2045 RT Bethel Baptist Rd	77 ft from EP of L-line 752.8 SY

PROJECT REFERENCE NO.	SHEET NO.



TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



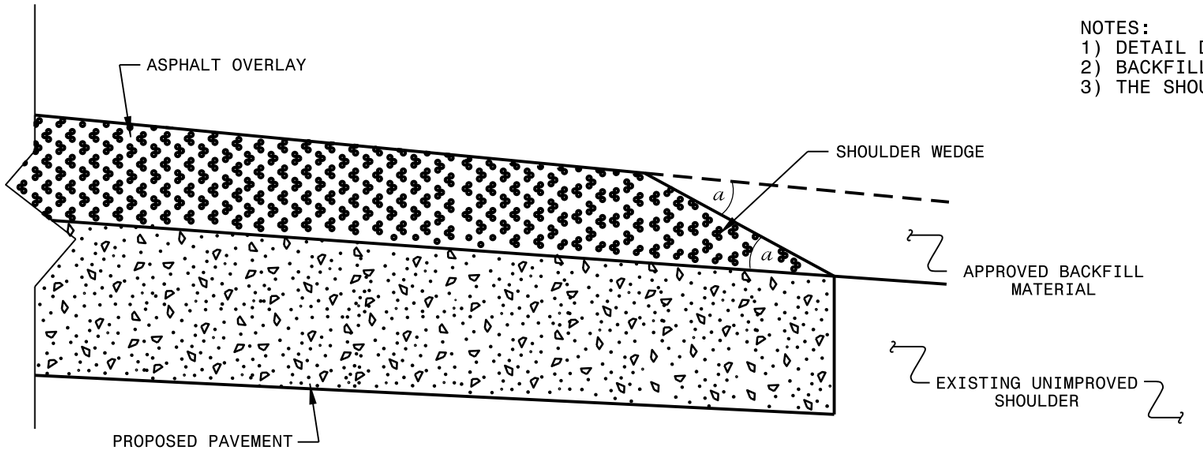
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

ADDITIONAL INTERSECTIONS (NON-TYPICAL)

Extend paving limits to back of radius
or loop on the following intersections:

MAP#	STREET NAME	COMMENTS
4	SR 2067 LT Hamiton Rd	56.52 ft from EP of L-Line 330 SY
4	SR 2067 LT Fire Lane Rd	58.44 ft from EP of L-Line 200 SY
4	SR 2067 RT Fire Lane Rd	65 ft from EP of L-Linen 311 SY

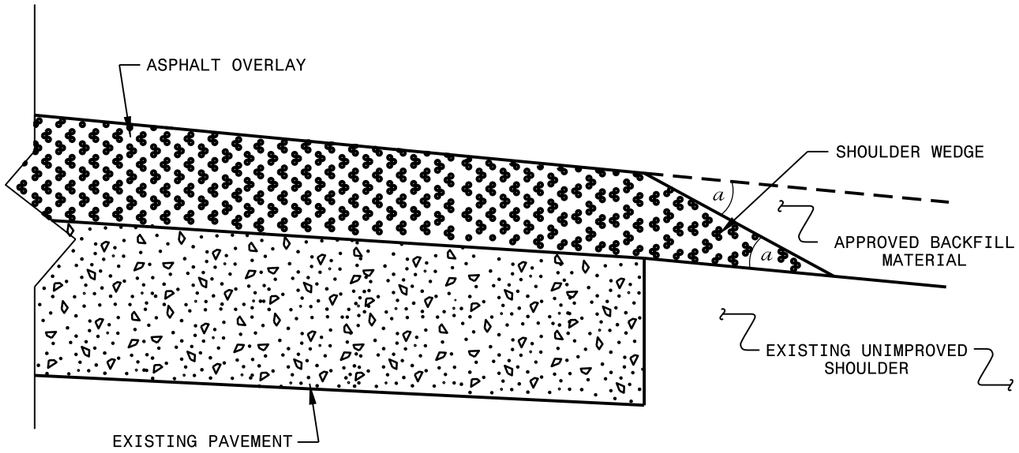
PROJECT REFERENCE NO.	SHEET NO.



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 AND SIDE STREETS.

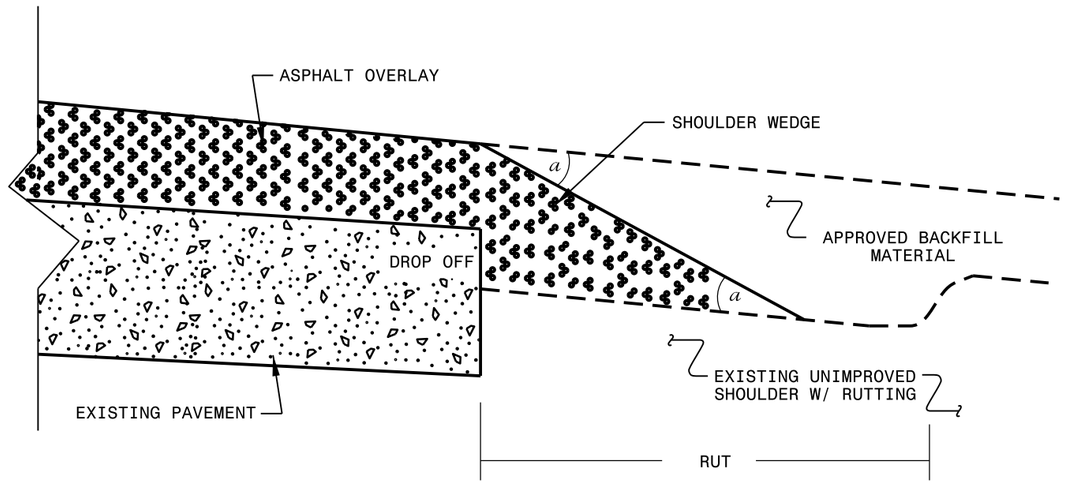
SHOULDER WEDGE DETAIL

(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

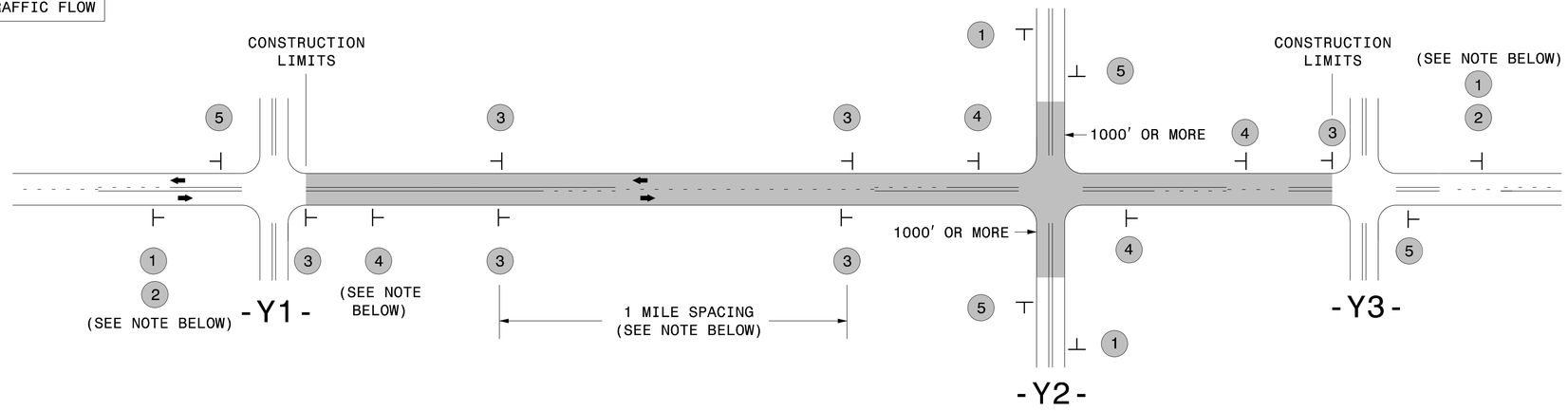
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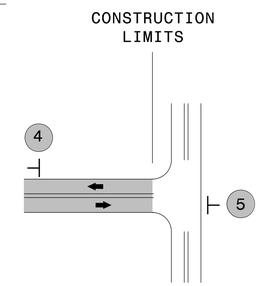
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PROJ. REFERENCE NO.	SHEET NO.

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD, W20-1, 48″ X 48″

2 — NEXT XX MILES, W7-3aP, 24″ X 18″

PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.

#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)

3 — LOW/SOFT SHOULDER, SP 13107, 48″ X 48″

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.

4 — ROAD UNDER CONST, SP 13106, 48″ X 48″

- 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.
- FOR TEE INTERSECTIONS, INSTALL WITHIN 500′ +/- OF THE INTERSECTION ALONG -L- LINE.

5 — END ROAD WORK, G20-2 A, 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

-Y- LINE SIGNING

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

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.

ROAD WORK AHEAD, W20-1, 48″ X 48″
PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A, 48″ X 48″
PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017
SATMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kedavis

PROJECT REFERENCE NO.	SHEET NO.

GUIDELINES FOR LANE WIDTHS ON RESURFACING PROJECTS

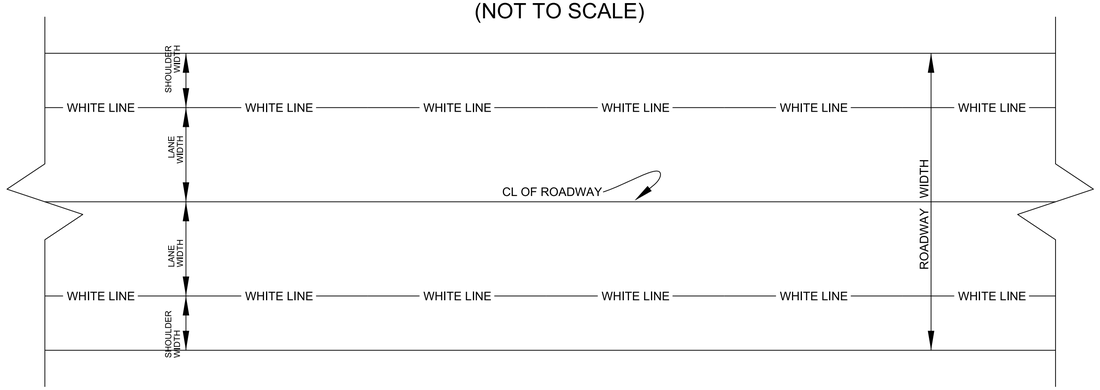
Contractor shall place the new pavement markings in accordance with this table and detail unless otherwise directed by the Engineer.

TWO LANE - TWO WAY ROADWAY - 55 MPH		
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH
18'	9' *	0'
20'	10' *	0'
22'	10'	1'
24'	10'	2'
26'	11'	2'
28'	12'	2'
32'	12'	4'
* May vary due to pavement width		

TWO LANE - TWO WAY ROADWAY 50 MPH OR LESS		
ROADWAY WIDTH	LANE WIDTH	SHOULDER WIDTH
18'	9' *	0'
20'	10' *	0'
22'	10'	1'
24'	10'	2'
26'	11'	2'
28'	11'	3'
32'	11'	5'
* May vary due to pavement width		

SCHEMATIC OF ROADWAY

(NOT TO SCALE)



PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.06.08.20431.1		

SUMMARY OF QUANTITIES

												1220000000-E	1245000000-E	1260000000-E	1330000000-E	1491000000-E	1519000000-E	1575000000-E	1704000000-E
PROJECT NO	**COUNTY**	**MAP NO**	**ROUTE**	**DESCRIPTION**	**TYP NO**	**LANES**	**LANE TYPE**	**LENGTH**	**WIDTH**	**BEGIN MP**	**END MP**	**INCIDENTAL STONE BASE**	**SHOULDER RECONSTRUCTION**	**AGGREGATE SHOULDER BORROW**	**INCIDENTAL MILLING**	**BASE COURSE, B25.0C**	**SURFACE COURSE, S9.5B**	**ASPHALT BINDER FOR PLANT MIX**	**PATCHING EXISTING PAVEMENT**
								MI	**FT**			**TONS**	**SMI**	**TON**	**SY**	**TONS**	**TONS**	**TONS**	**TONS**
2027CPT.06.08.20431.1	Harnett	1	1769 OLD STAGE RD	FROM ERWIN CITY LIMITS TO SR2014	1	2	2WU	3.220	21	1.030	4.250	167	9.02	1,459	2,160		4,732	317	
TOTAL FOR MAP NO. 1								**3.220**				**167**	**9.02**	**1,459**	**2,160**		**4,732**	**317**	
2027CPT.06.08.20431.1	Harnett	2	SR-2027 OO /	FROM US401 FROM NC217	1	2	2WU	2.140	23	2.400	4.540	25	4.14	669	1,373		2,379	161	27
TOTAL FOR MAP NO. 2								**2.140**				**25**	**4.14**	**669**	**1,373**		**2,379**	**161**	**27**
2027CPT.06.08.20431.1	Harnett	3	SR-2045 / ELLIOTT BRIDGE RD	FROM SR2030 TO CUMBERLAND CO.	1	2	2WU	6.620	23	0.000	6.620	83	13.24	2,141	3,873		7,666	514	
TOTAL FOR MAP NO. 3								**6.620**				**83**	**13.24**	**2,141**	**3,873**		**7,666**	**514**	
2027CPT.06.08.20431.1	Harnett	4	SR-2067 / TEMPLE RD	FROM NC210 TO SR2030	2	2	2WU	2.650	18	0.000	2.650	40	5.40	873	1,389	2,999	1,445	267	9
TOTAL FOR MAP NO. 4								**2.650**				**40**	**5.40**	**873**	**1,389**	**2,999**	**1,445**	**267**	**9**
2027CPT.06.08.20431.1	Harnett	5	SR-2239 / COLONIAL HILLS DR	FROM SR116 TO DEAD END	3	2	2WU	0.800	38	0.000	0.800				278		1,496	143	882
TOTAL FOR MAP NO. 5								**0.800**							**278**		**1,496**	**143**	**882**
2027CPT.06.08.20431.1	Harnett	6	SR-2614 / KINGSTON DR	FROM SR2239 TO SR2615	4	2	2WU	0.080	27	0.000	0.080						70	6	8
TOTAL FOR MAP NO. 6								**0.080**									**70**	**6**	**8**
2027CPT.06.08.20431.1	Harnett	7	SR-2615 / BELMONT CT	FROM SR2614 TO DEAD END	4	2	2WU	0.350	27	0.000	0.350						35	3	2
TOTAL FOR MAP NO. 7								**0.350**									**35**	**3**	**2**
2027CPT.06.08.20431.1	Harnett	8	SR-2616 / TORY CT	FROM SR2615 TO CUL-DE-SAC	4	2	2WU	0.040	27	0.000	0.040						35	3	4
TOTAL FOR MAP NO. 8								**0.040**									**35**	**3**	**4**
2027CPT.06.08.20431.1	Harnett	9	SR-2617 / DOWNING CT	FROM SR2239 TO CUL-DE-SAC	4	2	2WU	0.120	27	0.000	0.120						105	8	18
TOTAL FOR MAP NO. 9								**0.120**									**105**	**8**	**18**
TOTAL FOR PROJ NO. 2027CPT.06.08.20431.1								**16.020**				**315**	**31.80**	**5,142**	**9,073**	**2,999**	**17,963**	**1,422**	**950**
GRAND TOTAL								**16.020**				**315**	**31.80**	**5,142**	**9,073**	**2,999**	**17,963**	**1,422**	**950**

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.06.08.20431.1		

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	4685000000-E		4688000000-E	4709000000-E	4891000000-E	4900000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M YELLOW THERMO	24" X 90 M WHITE THERMO	GENERIC MARKING, 16" X 90 M WHITE THERMO(RXR CROSSBUCK)	YELLOW & YELLOW MARKERS
								MI	FT			SF	LS	LF	LF	LF	LF	LF	EA
2027CPT.06.08.20431.1	Harnett	1	1769 OLD STAGE RD	FROM ERWIN CITY LIMITS TO SR2014	1	2	2WU	3.22	21	1.03	4.25	505	1.00	34,250		25,600			220
TOTAL FOR MAP NO. 1								**3.22**				**505**	**1**	**34,250**		**25,600**			**220**
2027CPT.06.08.20431.1	Harnett	2	SR-2027 OO /	FROM US401 FROM NC217	1	2	2WU	2.14	23	2.4	4.54	232		21,650	15,250		60	200	175
TOTAL FOR MAP NO. 2								**2.14**				**232**		**21,650**	**15,250**		**60**	**200**	**175**
2027CPT.06.08.20431.1	Harnett	3	SR-2045 / ELLIOTT BRIDGE RD	FROM SR2030 TO CUMBERLAND CO.	1	2	2WU	6.62	23	0	6.62	741		59,350	41,350				375
TOTAL FOR MAP NO. 3								**6.62**				**741**		**59,350**	**41,350**				**375**
2027CPT.06.08.20431.1	Harnett	4	SR-2067 / TEMPLE RD	FROM NC210 TO SR2030	2	2	2WU	2.65	18	0	2.65	302		2,815	21,225				185
TOTAL FOR MAP NO. 4								**2.65**				**302**		**2,815**	**21,225**				**185**
2027CPT.06.08.20431.1	Harnett	5	SR-2239 / COLONIAL HILLS DR	FROM SR116 TO DEAD END	3	2	2WU	0.8	38	0	0.8	90							
TOTAL FOR MAP NO. 5								**0.8**				**90**							
2027CPT.06.08.20431.1	Harnett	6	SR-2614 / KINGSTON DR	FROM SR2239 TO SR2615	4	2	2WU	0.08	27	0	0.08	9							
TOTAL FOR MAP NO. 6								**0.08**				**9**							
2027CPT.06.08.20431.1	Harnett	7	SR-2615 / BELMONT CT	FROM SR2614 TO DEAD END	4	2	2WU	0.35	27	0	0.35	4							
TOTAL FOR MAP NO. 7								**0.35**				**4**							
2027CPT.06.08.20431.1	Harnett	8	SR-2616 / TORY CT	FROM SR2615 TO CUL-DE-SAC	4	2	2WU	0.04	27	0	0.04	4							
TOTAL FOR MAP NO. 8								**0.04**				**4**							
2027CPT.06.08.20431.1	Harnett	9	SR-2617 / DOWNING CT	FROM SR2239 TO CUL-DE-SAC	4	2	2WU	0.12	27	0	0.12	13							
TOTAL FOR MAP NO. 9								**0.12**				**13**							
TOTAL FOR PROJ NO. 2027CPT.06.08.20431.1								**16.02**				**1,900**	**1.000**	**118,065**	**77,825**	**25,600**	**60**	**200**	**955**
														195,890					
GRAND TOTAL								**16.02**				**1,900**	**1.000**	**118,065**	**77,825**	**25,600**	**60**	**200**	**955**
														195,890					