STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 6

PLANS - REVISED
June 14, 2017

CONTRACT ID:	**DF00166**
WBS ELEMENT NO.:	**2017CPT.06.17.10781.1 & 2017CPT.06.17.20781.1**
FEDERAL AID NO.:	**STATE FUNDED**
COUNTY:	**ROBESON**
TIP NO.:	**---------**
LENGTH OF PROJECT:	**24.08 MILES**
ROUTE NO.:	**NC 41, NC 710 & VARIOUS SECONDARY ROUTES**
TYPE OF WORK:	**RESURFACING, MILLING, WIDENING & SHOULDER RECONSTRUCTION**

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PROJECT REFERENCE NO.	SHEET NO.
2017CPT.06.17.10781J.etc	1

ROBESON COUNTY RESURFACING SPRING 2017

Lumberton pop. 21,178

REVISIONS

8/17/99

05-MAY-2017 16:19
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PROJECT REFERENCE NO.	SHEET NO.
2017CPT.06.17.10781J, etc	2

ROBESON COUNTY RESURFACING SPRING 2017

REVISIONS

8/17/99

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Drawing: [illegible]

Purvis

2

PROJECT REFERENCE NO.	SHEET NO.
2017CPT.06.17.00781J.etc	3

ROBESON COUNTY RESURFACING SPRING 2017

REVISIONS

8/17/99

05-MAY-2017 16:20
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Roadway Standards

Swamp

Lumberton
pop. 21,178

Jacob

PROJECT REFERENCE NO.	SHEET NO.
2017CPT.06.17.00781J.etc	4

ROBESON COUNTY RESURFACING SPRING 2017

REVISIONS

8/17/99

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5

PROJECT REFERENCE NO.	SHEET NO.
2017CPT.06.17.00781J.etc	5

ROBESON COUNTY RESURFACING SPRING 2017

Fairmont
pop. 2,652

8/17/99

REVISIONS

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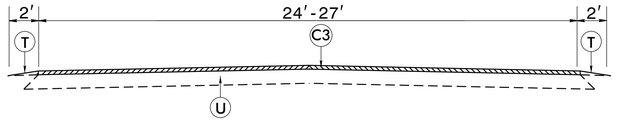
6/2/99

PROJECT REFERENCE NO.	SHEET NO.
2017CPT.06.17.10781J, etc	6

PAVEMENT SCHEDULE

C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
E1	5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
R1	EXISTING CURB AND GUTTER
T	SHOULDER RECONSTRUCTION WITH AGGREGATE SHOULDER BORROW
U	EXISTING ASPHALT
V1	1½" MILLING
V2	0"-1½" MILLING



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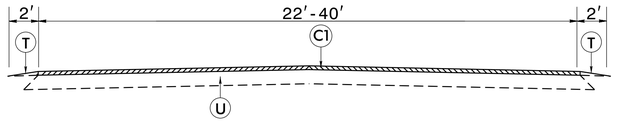

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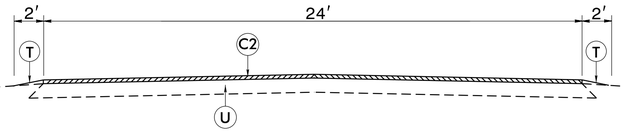

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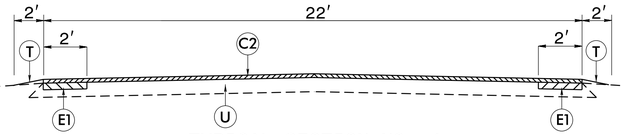

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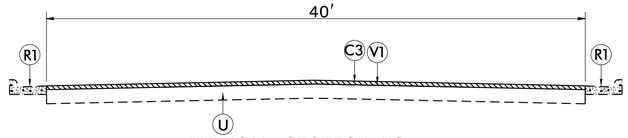

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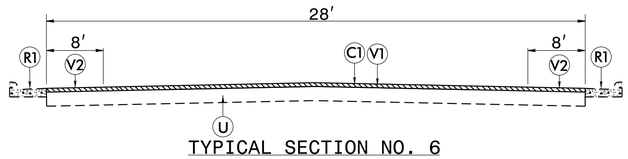
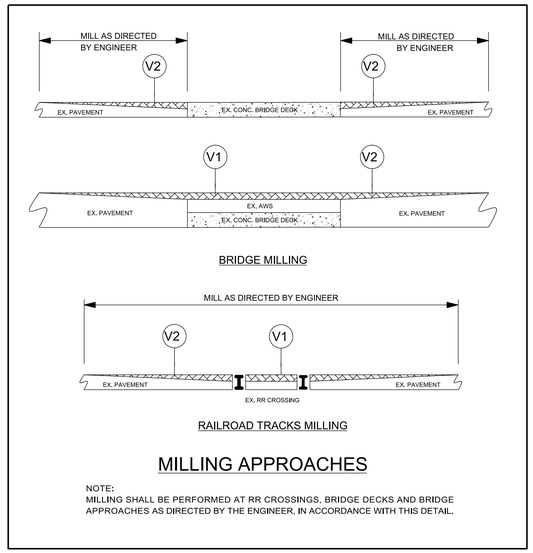


TYPICAL SECTION NO. 6

CURB MILLING DETAIL
MAP 6



MILLING APPROACHES

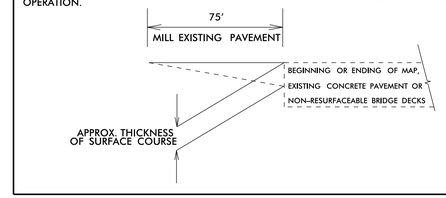
NOTE:
MILLING SHALL BE PERFORMED AT RR CROSSINGS, BRIDGE DECKS AND BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.

NOTES TO CONTRACTOR

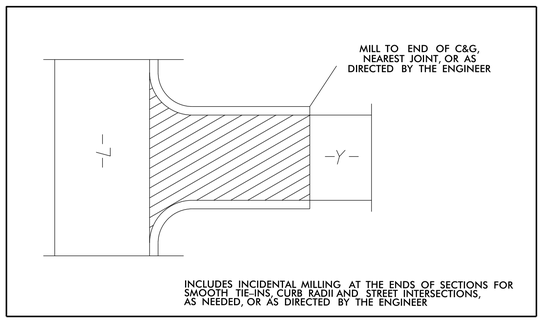
FOR SURFACE MIXES OVER 1" IN THICKNESS, MILL THE EXISTING PAVEMENT IN ACCORDANCE WITH THE FOLLOWING SKETCH AS DIRECTED BY THE ENGINEER.

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.

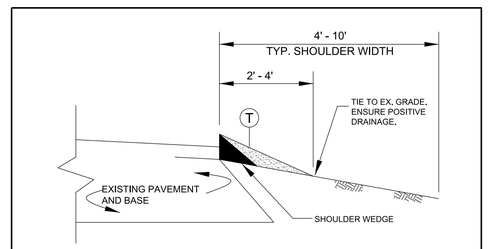
PERFORM THE WORK IN ACCORDANCE WITH SECTION 607 OF THE JANUARY 2012 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. RESURFACING WILL BE ACCOMPLISHED AT THE SAME TIME AS THE MILLING OPERATION.



MILLING AT PAVEMENT TIE-INS DETAIL



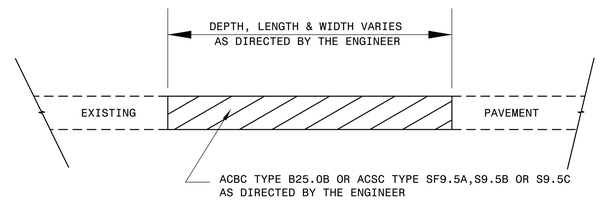
MILLING AT CURB AND GUTTER INTERSECTIONS



SHOULDER RECONSTRUCTION

NOTES:

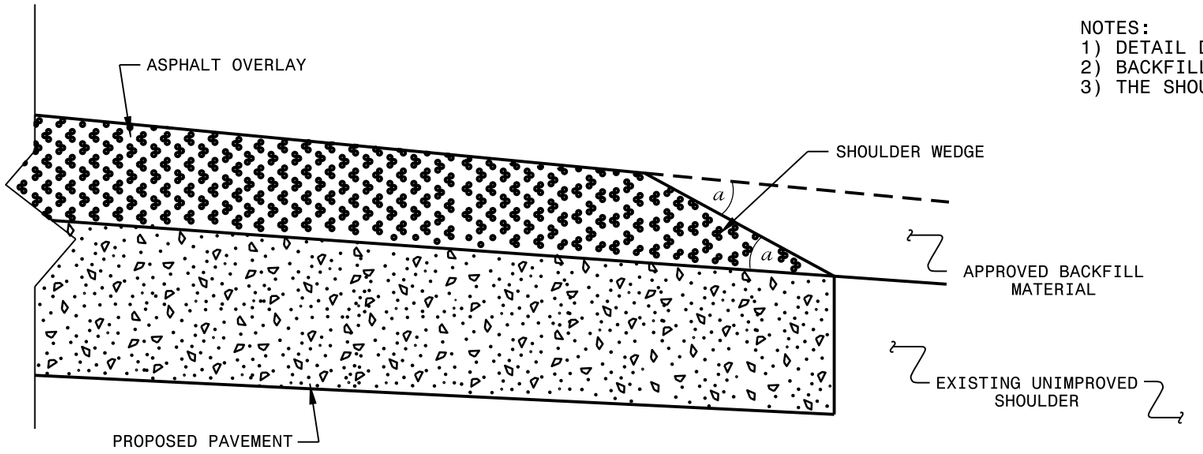
1. SHOULDER SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM ROADWAY.
2. AGGREGATE SHOULDER BORROW (ASB) MATERIAL SHALL BE PLACED USING A WIDENING MACHINE OR SIMILAR DEVICE.
3. A VEGETATIVE BUFFER SHALL BE MAINTAINED 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.



PATCHING EXISTING PAVEMENT

PATCHING TO BE PERFORMED PRIOR TO MILL AND FILL OPERATION

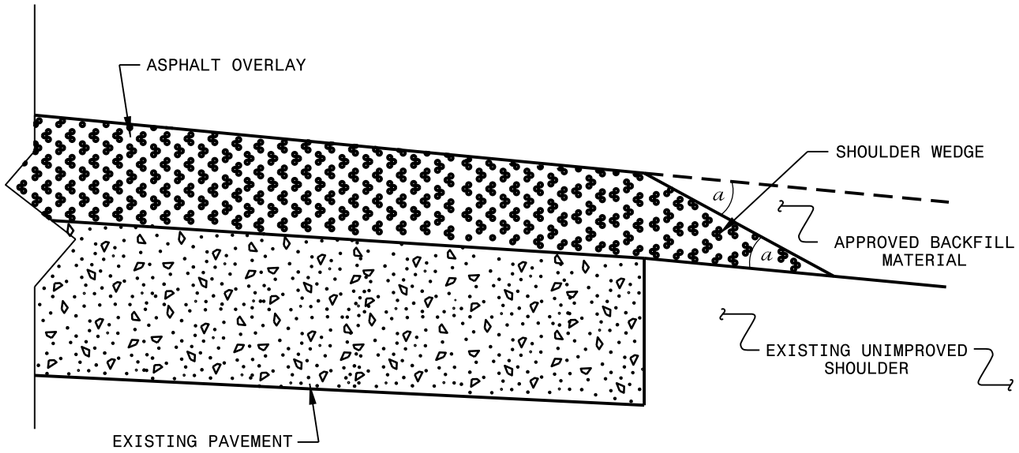
PROJECT REFERENCE NO.	SHEET NO.
2017CPT.06.17.10781.1,etc	7



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.

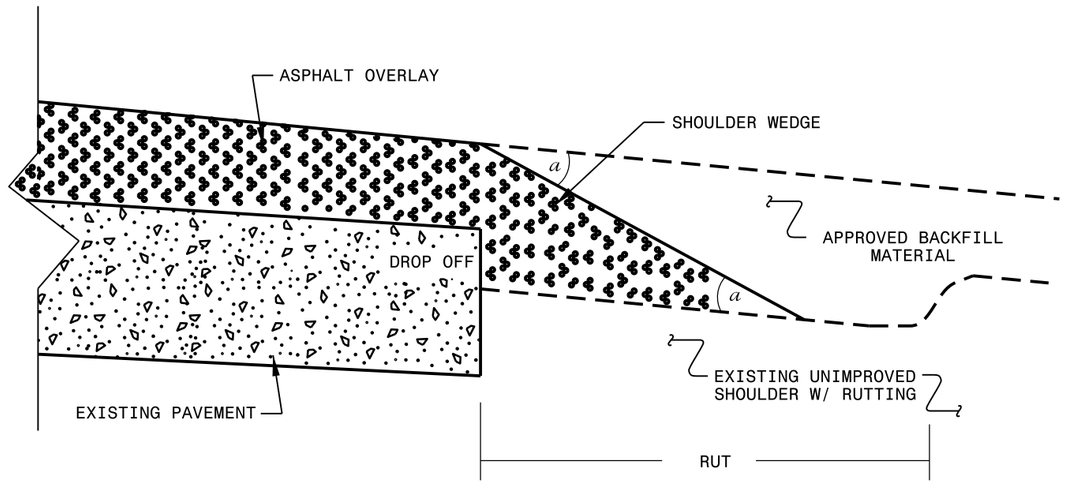
SHOULDER WEDGE DETAIL

(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°

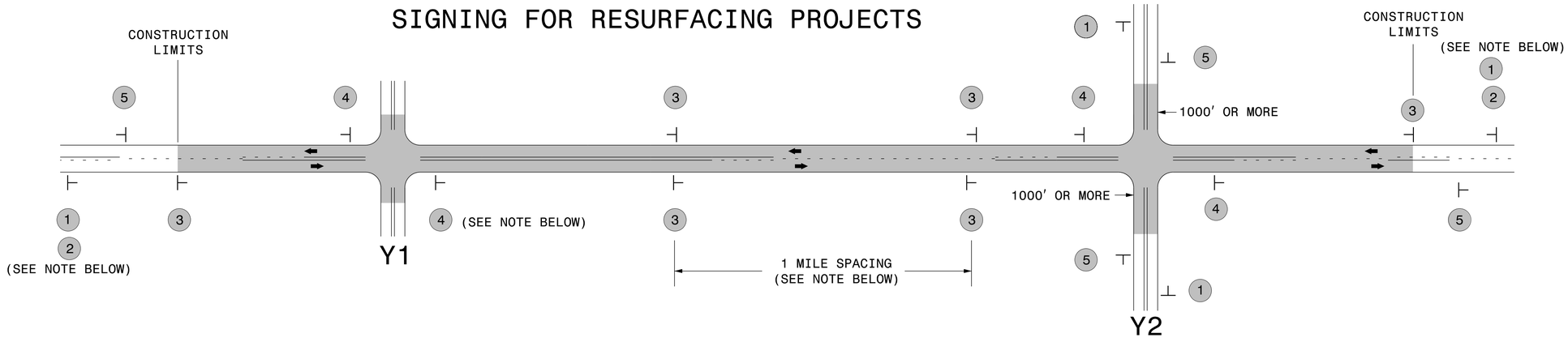
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SHOULDER WEDGE DETAILS

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

PROJ. REFERENCE NO.	SHEET NO.
2017CPT.06.17.10781.1,etc	8

SIGNING FOR RESURFACING PROJECTS



LEGEND

⊢ STATIONARY SIGN

⬅ DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD, W20-1, 48″ X 48″

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

2 — NEXT XX MILES, W7-3aP, 24″ X 18″

#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)

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

PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE 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.

5 — END ROAD WORK, G20-2 A, 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS.

-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, ADVANCE WARNING PORTABLE 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

RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS

3/19/2015
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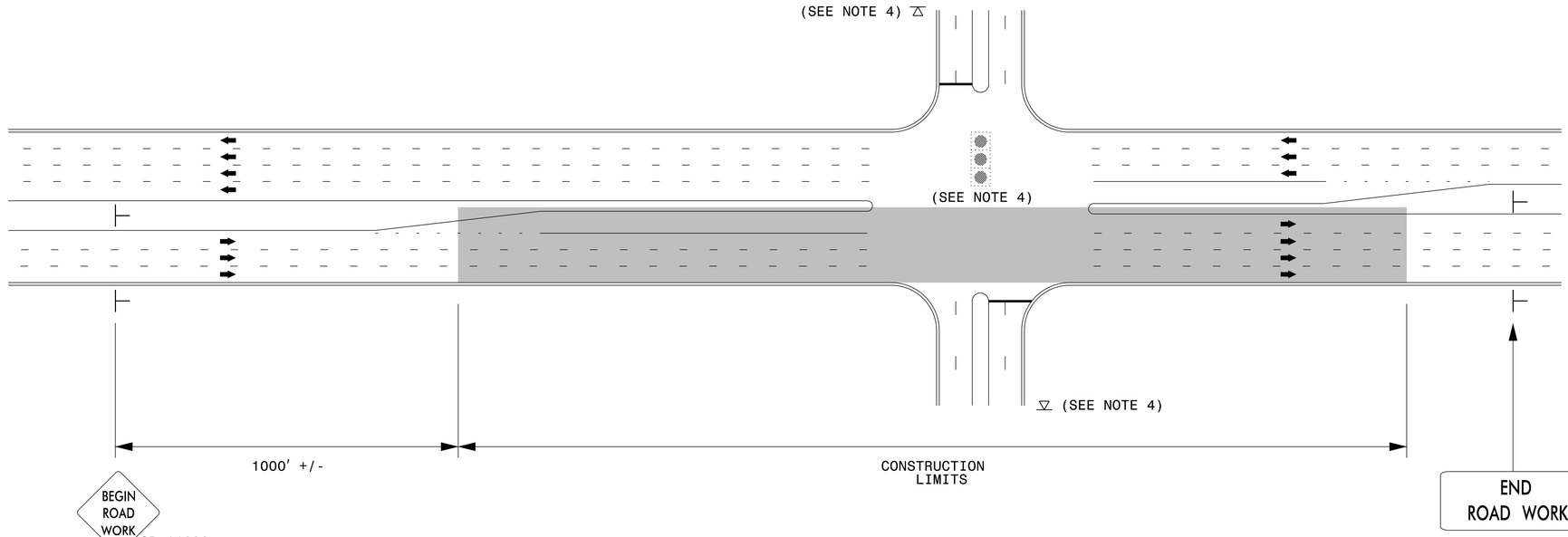
User:rmgarrett

PROJ. REFERENCE NO.	SHEET NO.
2017CPT.06.17.10781.1,etc	9

URBAN / SUBURBAN WORKZONES



NOTES:

1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
4) 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.
5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS.THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW

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

RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES

4/8/2015
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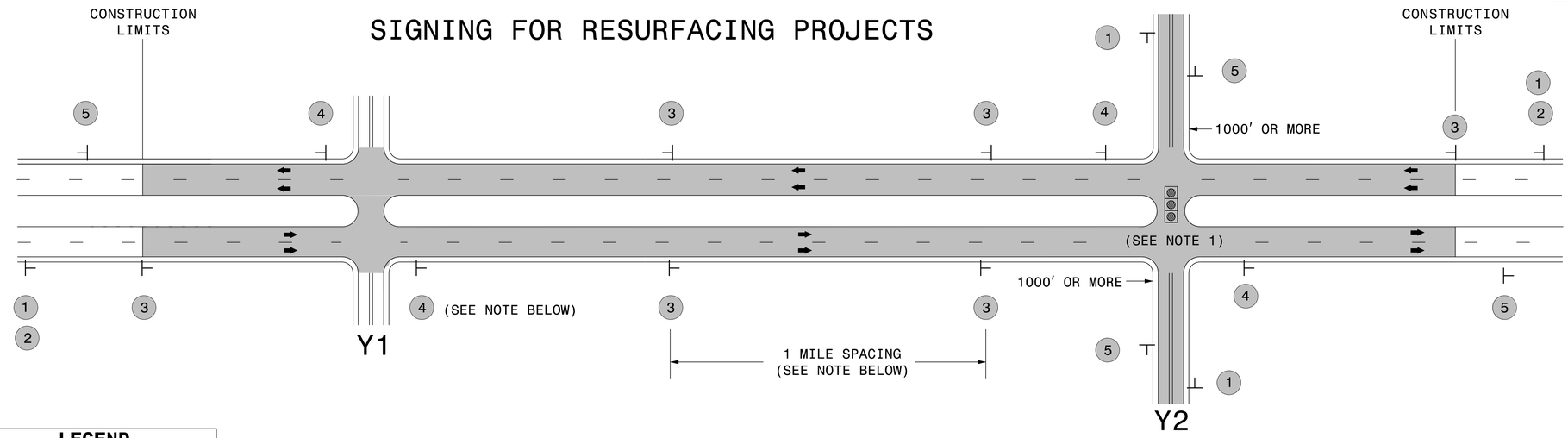
PROJ. REFERENCE NO.	SHEET NO.
2017CPT.06.17.10781.1,etc	10

SIGNING FOR RESURFACING PROJECTS



LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD — W20-1 48″ X 48″

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

2 — NEXT XX MILES — W7-3aP 24″ X 18″

#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)

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

PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE 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.

5 — END ROAD WORK — G20-2 A 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS.

-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, ADVANCE WARNING PORTABLE 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.

NOTES:

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.

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

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

3/23/2015
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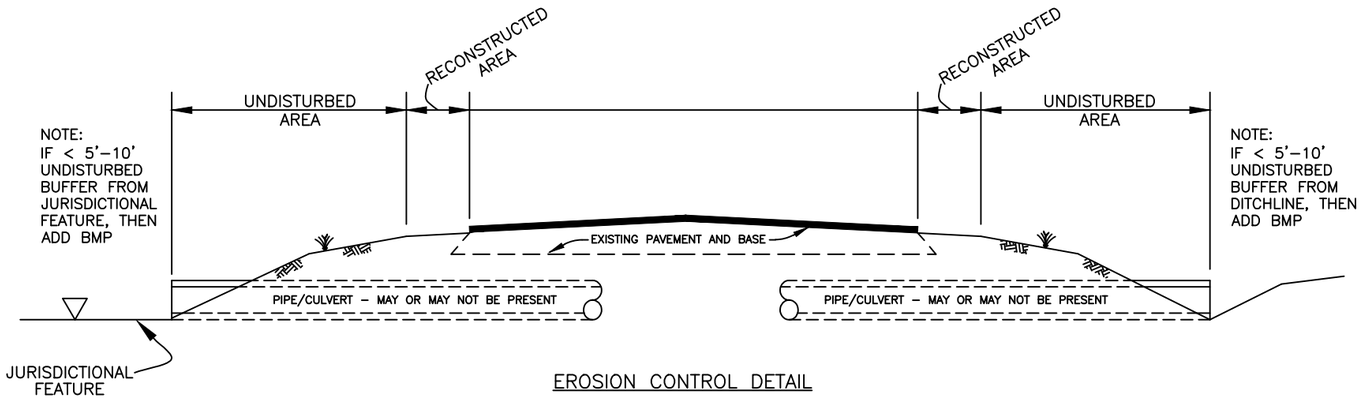
User:rmgarrett



EROSION CONTROL DETAIL

NOTES:

1. IF A 5'–10' VEGETATED, UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE OR DRAINAGE INLET CAN BE MAINTAINED, THEN NO BMP'S NEEDED.
2. IF < 5'–10' UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE OR DRAINAGE INLET, THEN ADD BMP'S.
3. BMP OPTIONS:
   a. MATTING MAY BE APPLIED AS SHOWN IN NCDOT STD. DWG. 1631.01 TO ESTABLISH BUFFER.
   b. IF MATTING IS NOT PRACTICAL, OR THERE IS NOT ENOUGH SHOULDER WIDTH, THEN INSTALL TEMPORARY SILT FENCE AS SHOWN IN NCDOT STD. DWG. 1605.01, AND WATTLES WITH POLYACRYLAMIDE (PAM).

GUIDELINES FOR LANE WIDTHS ON RESURFACING PROJECTS

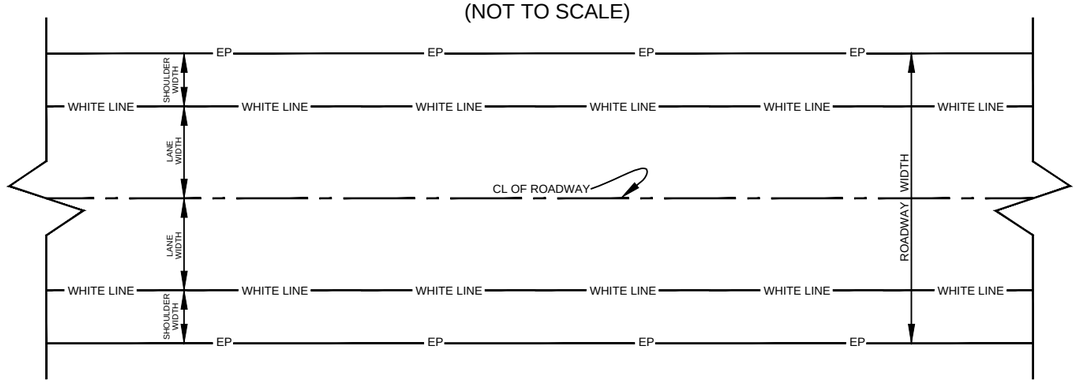
Contractor shall place the new pavement markings in accordance with this table and detail unless otherwise directed by the Engineer.

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.
2017CPT.06.17.10781.1, 2017CPT.06.17.20781.1		

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	GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW TON	SHOULDER RECONSTRUCTION SMI	1½" MILLING SY	0" TO 1.5" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA
2017CPT.06.17.10781.1	Robeson	1	NC 41	FROM US 74 TO BEGIN CURB AND GUTTER	1	2	2WU	NO	NO	2.25	27	1,054	4.40						3,472		205	28	19
		"	"	BEGIN CURB AND GUTTER TO NC 72	6	4	M2	NO	NO	0.97	40			24,000		667			2,045		121		
TOTAL FOR MAP NO. 1										**3.22**		**1,054**	**4.40**	**24,000**		**667**			**5,517**		**326**	**28**	**19**
2017CPT.06.17.10781.1	Robeson	2	NC 710	FROM US 501 TO US 74A	1	2	2WU	NO	NO	9.6	24	3,124	6.52	2,262	1,233	300			11,716		691		
TOTAL FOR MAP NO. 2										**9.6**		**3,124**	**6.52**	**2,262**	**1,233**	**300**			**11,716**		**691**		
TOTAL FOR PROJ NO. 2017CPT.06.17.10781.1										**12.82**		**4,178**	**10.92**	**26,262**	**1,233**	**967**			**17,233**		**1,017**	**28**	**19**
2017CPT.06.17.20781.1	Robeson	3	SR 1539	FROM NC 72 TO SR 1589	2	2	2WU	NO	NO	0.29	22	94	0.60			370		316			19		
TOTAL FOR MAP NO. 3										**0.29**		**94**	**0.60**			**370**		**316**			**19**		
2017CPT.06.17.20781.1	Robeson	4	SR 1589	FROM SR 1539 TO US 74A	2	2	2WU	NO	NO	3.2	22	1,022	6.30					3,526			212		
TOTAL FOR MAP NO. 4										**3.2**		**1,022**	**6.30**					**3,526**			**212**		
2017CPT.06.17.20781.1	Robeson	5	SR 2115	FROM NC 72 TO SR 1002	3	2	2WU	NO	NO	4.14	24	1,339	8.30							4,904	329	1	2
TOTAL FOR MAP NO. 5										**4.14**		**1,339**	**8.30**							**4,904**	**329**	**1**	**2**
2017CPT.06.17.20781.1	Robeson	6	SR 2289	FROM BRIDGE TO NC 41/72	2 & 7	2		NO	NO	0.49	40	50	0.56	1,889	250			969			58		
TOTAL FOR MAP NO. 6										**0.49**		**50**	**0.56**	**1,889**	**250**			**969**			**58**		
2017CPT.06.17.20781.1	Robeson	7	SR 2290	SR 2289 TO NC 41/72	2 & 7	2	MD	NO	NO	0.3	28	40	0.30	1,167				416			25		
TOTAL FOR MAP NO. 7										**0.3**		**40**	**0.30**	**1,167**				**416**			**25**		
2017CPT.06.17.20781.1	Robeson	8	SR 2452	SR 2442 TO NC 41	4	2	2WU	NO	NO	2.84	22	918	5.68				2,329			3,081	309		
TOTAL FOR MAP NO. 8										**2.84**		**918**	**5.68**				**2,329**			**3,081**	**309**		
TOTAL FOR PROJ NO. 2017CPT.06.17.20781.1										**11.26**		**3,463**	**21.74**	**3,056**	**250**	**370**	**2,329**	**5,227**		**7,985**	**952**	**1**	**2**
GRAND TOTAL										**24.08**		**7,641**	**32.66**	**29,318**	**1,483**	**1,337**	**2,329**	**5,227**	**17,233**	**7,985**	**1,969**	**29**	**21**

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.06.17.10781.1, 2017CPT.06.17.20781.1		

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E WORK ZONE ADVANCE/ GENERAL WARNING SIGNING SF	4457000000-N TEMPORARY TRAFFIC CONTROL LS	4685000000-E 4" X 90 M WHITE THERMO LF	4685000000-E 4" X 90 M YELLOW THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4687000000-E THERMO RUMBLE STRIPS (4", 240 MILS) LF	4695000000-E 8" X 90 M WHITE THERMO LF	4697000000-E 8" X 120 M WHITE THERMO LF	4700000000-E 12" X 90 M YELLOW THERMO DIAGONAL LF	4705000000-E 16" X 120 M WHITE THERMO LF	4710000000-E 24" X 120 M WHITE THERMO LF
2017CPT.06.17.10781.1	Robeson	1	NC 41	FROM US 74 TO BEGIN CURB AND GUTTER	1	2	2WU	2.25	27	365	LS	26,796		47,660							
		"	"	BEGIN CURB AND GUTTER TO NC 72	6	4	M2	0.97	40	365	LS				5,330		920	340	1,500	280	800
TOTAL FOR MAP NO. 1								**3.22**		**730**	LS	**26,796**		**47,660**	**5,330**		**920**	**340**	**1,500**	**280**	**800**
2017CPT.06.17.10781.1	Robeson	2	NC 710	FROM US 501 TO US 74A	1	2	2WU	9.6	24	1,082	LS	102,009	800	92,257	610	470	50		840		810
TOTAL FOR MAP NO. 2								**9.6**		**1,082**	LS	**102,009**	**800**	**92,257**	**610**	**470**	**50**		**840**		**810**
TOTAL FOR PROJ NO. 2017CPT.06.17.10781.1								**12.82**		**1,812**	LS	**128,805**	**800**	**139,917**	**5,940**	**470**	**970**	**340**	**2,340**	**280**	**1,610**
												129,605		**145,857**							
2017CPT.06.17.20781.1	Robeson	3	SR 1539	FROM NC 72 TO SR 1589	2	2	2WU	0.29	22	32	LS										30
TOTAL FOR MAP NO. 3								**0.29**		**32**	LS										**30**
2017CPT.06.17.20781.1	Robeson	4	SR 1589	FROM SR 1539 TO US 74A	2	2	2WU	3.2	22	354	LS										38
TOTAL FOR MAP NO. 4								**3.2**		**354**	LS										**38**
2017CPT.06.17.20781.1	Robeson	5	SR 2115	FROM NC 72 TO SR 1002	3	2	2WU	4.14	24	464	LS	43,458		36,939						390	170
TOTAL FOR MAP NO. 5								**4.14**		**464**	LS	**43,458**		**36,939**						**390**	**170**
2017CPT.06.17.20781.1	Robeson	6	SR 2289	FROM BRIDGE TO NC 41/72	2 & 7	2		0.49	40	32	LS	4,000	4,000		450		900	120		200	130
TOTAL FOR MAP NO. 6								**0.49**		**32**	LS	**4,000**	**4,000**		**450**		**900**	**120**		**200**	**130**
2017CPT.06.17.20781.1	Robeson	7	SR 2290	SR 2289 TO NC 41/72	2 & 7	2	MD	0.3	28	34	LS	1,830	2,000		250		500			390	220
TOTAL FOR MAP NO. 7								**0.3**		**34**	LS	**1,830**	**2,000**		**250**		**500**			**390**	**220**
2017CPT.06.17.20781.1	Robeson	8	SR 2452	SR 2442 TO NC 41	4	2	2WU	2.84	22	318	LS										
TOTAL FOR MAP NO. 8								**2.84**		**318**	LS										
TOTAL FOR PROJ NO. 2017CPT.06.17.20781.1								**11.26**		**1,234**	LS	**49,288**	**6,000**	**36,939**	**700**		**1,400**	**120**		**980**	**588**
												55,288		**37,639**							
GRAND TOTAL								**24.08**		**3,046**	**1**	**178,093**	**6,800**	**176,856**	**6,640**	**470**	**2,370**	**460**	**2,340**	**1,260**	**2,198**
												184,893		**183,496**							

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4721000000-E THERMO MSG SCHOOL 120 M EA	4721000000-E THERMO MSG ONLY 120 M EA	4721000000-E THERMO RXR 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO RT ARROW 90 M EA	4725000000-E THERMO STR ARROW 90 M EA	4725000000-E THERMO STR & LT ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF	4820000000-E 8" WHITE PAINT LF	4900000000-N YELLOW & YELLOW MARKERS EA	4900000000-N CRYSTAL & RED MARKERS EA
2017CPT.06.17.10781.1	Robeson	1	NC 41	FROM US 74 TO BEGIN CURB AND GUTTER	1	2	2WU	2.25	27												122	
		"	"	BEGIN CURB AND GUTTER TO NC 72	6	4	M2	0.97	40	12		6	32	15	6	2	2					329
TOTAL FOR MAP NO. 1								**3.22**		**12**		**6**	**32**	**15**	**6**	**2**	**2**				**122**	**329**
2017CPT.06.17.10781.1	Robeson	2	NC 710	FROM US 501 TO US 74A	1	2	2WU	9.6	24	12			13	1		1	11				672	157
TOTAL FOR MAP NO. 2								**9.6**		**12**			**13**	**1**		**1**	**11**				**672**	**157**
TOTAL FOR PROJ NO. 2017CPT.06.17.10781.1								**12.82**		**24**		**6**	**45**	**16**	**6**	**3**	**13**				**794**	**486**
										30			**83**								**1,280**	
2017CPT.06.17.20781.1	Robeson	3	SR 1539	FROM NC 72 TO SR 1589	2	2	2WU	0.29	22									6,241	3,828	150		
TOTAL FOR MAP NO. 3								**0.29**										**6,241**	**3,828**	**150**		
2017CPT.06.17.20781.1	Robeson	4	SR 1589	FROM SR 1539 TO US 74A	2	2	2WU	3.2	22				2				2	68,864	42,240			
TOTAL FOR MAP NO. 4								**3.2**					**2**				**2**	**68,864**	**42,240**			
2017CPT.06.17.20781.1	Robeson	5	SR 2115	FROM NC 72 TO SR 1002	3	2	2WU	4.14	24			4									271	
TOTAL FOR MAP NO. 5								**4.14**				**4**									**271**	
2017CPT.06.17.20781.1	Robeson	6	SR 2289	FROM BRIDGE TO NC 41/72	2 & 7	2		0.49	40			4		3	6	3						48
TOTAL FOR MAP NO. 6								**0.49**				**4**		**3**	**6**	**3**						**48**
2017CPT.06.17.20781.1	Robeson	7	SR 2290	SR 2289 TO NC 41/72	2 & 7	2	MD	0.3	28		16	4	9		11							50
TOTAL FOR MAP NO. 7								**0.3**			**16**	**4**	**9**		**11**							**50**
2017CPT.06.17.20781.1	Robeson	8	SR 2452	SR 2442 TO NC 41	4	2	2WU	2.84	22									61,117	37,488			
TOTAL FOR MAP NO. 8								**2.84**										**61,117**	**37,488**			
TOTAL FOR PROJ NO. 2017CPT.06.17.20781.1								**11.26**			**16**	**12**	**11**	**3**	**17**	**3**	**2**	**136,222**	**83,556**	**150**	**271**	**98**
										28			**36**					**219,778**			**369**	
GRAND TOTAL								**24.08**		**24**	**16**	**18**	**56**	**19**	**23**	**6**	**15**	**136,222**	**83,556**	**150**	**1,065**	**584**
										58			**119**					**219,778**			**1,649**	