

**WBS ELEMENT: 3CR.10821.73**

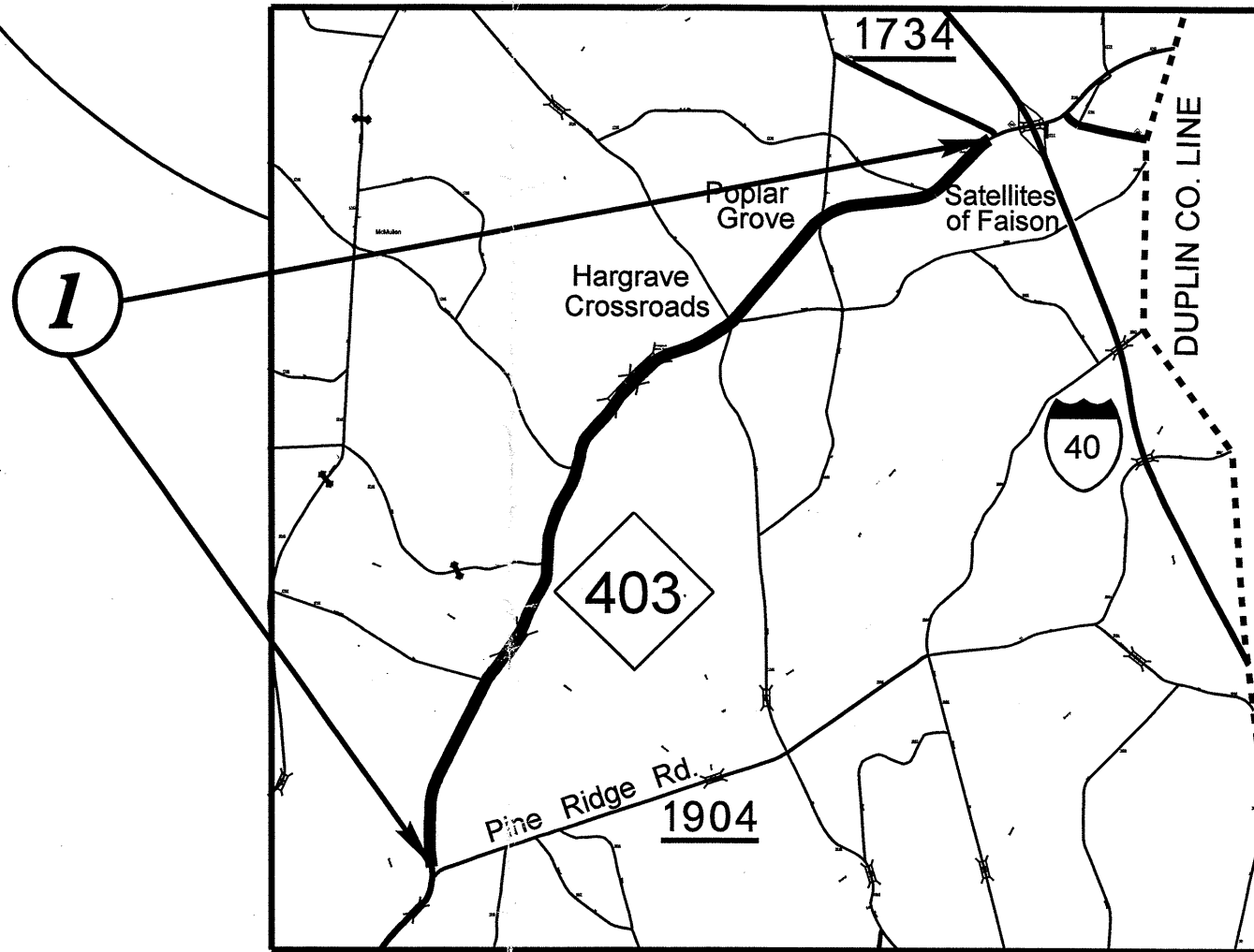
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**SAMPSON COUNTY**

LOCATION: SAMPSON CO. - NC 403 E OF SR 1904  
TO SW OF SR 1734

TYPE OF WORK: RESURFACING, MILLING, PAVEMENT  
MARKERS AND MARKINGS, ETC.

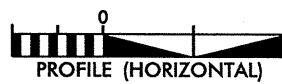
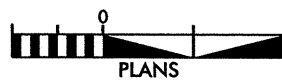
		BIENT	TOTAL
3CR.10821.73		1	



NOT TO SCALE

**T.I.P. NO.:**

**GRAPHIC SCALES**



**PROJECT LENGTH**

MAP NO.1 = 7.77 MI.

Prepared in the Office of:

**DIVISION OF HIGHWAYS**

124 Division Dr., Wilmington, NC 28401

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:  
2009

**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

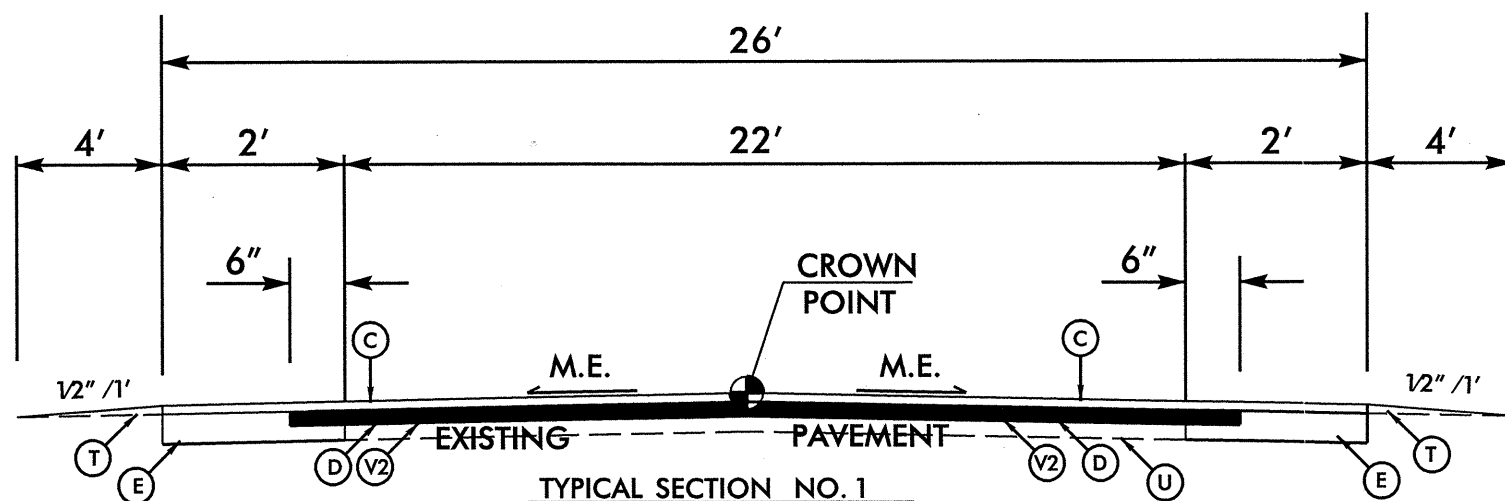
**ROADWAY DESIGN  
TECHNICIAN**

SIGNATURE: \_\_\_\_\_ DNL

SIGNATURE: \_\_\_\_\_

**DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA**

DIVISION DESIGN ENGINEER



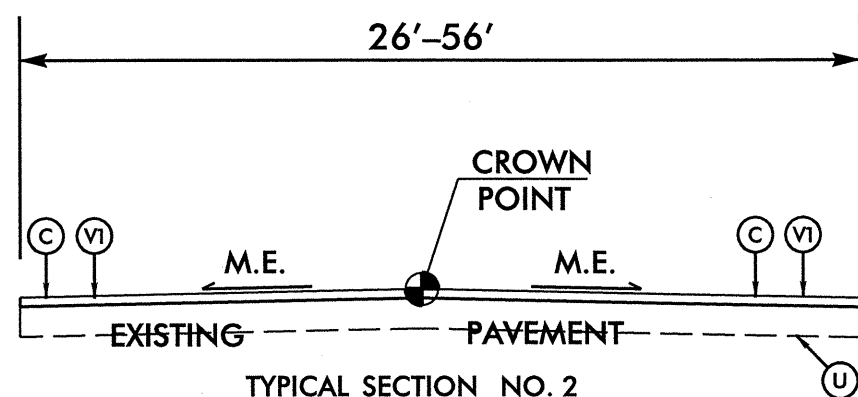
TYPICAL SECTION NO. 1

NC 403  
 MP 0.00 TO MP 1.87  
 MP 2.06 TO MP 4.09  
 MP 4.43 TO MP 4.51  
 MP 4.78 TO MP 7.64  
 (NO WORK PERFORMED  
 MP 4.09 TO MP 4.43)

- SEQUENCE OF WORK:
1. PLACE WIDENING FLUSH.
  2. MILL AS SHOWN.
  3. PLACE INTERMEDIATE COURSE.
  4. RESURFACE ENTIRE ROADWAY.

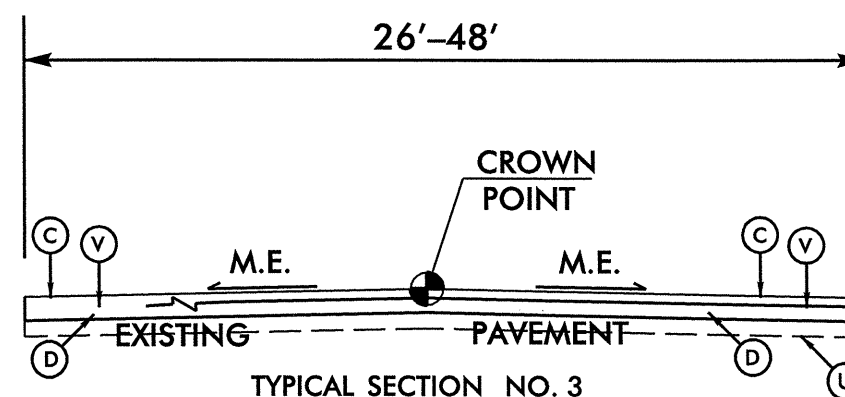
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D	PROP. APPROX. 2½" DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E	PROP. APPROX. 5½" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT.
V	MILLING BITUMINOUS PAVEMENT. 4" DEPTH.
V1	MILLING BITUMINOUS PAVEMENT. 1½" DEPTH.
V2	MILLING BITUMINOUS PAVEMENT. 2½" DEPTH.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.  
 SEE STD. DRAWING 1205.01, SHEET 2 OF 2, TABLE 1 FOR EDGE LINE OFFSETS.  
 M.E. = MATCH EXISTING



TYPICAL SECTION NO. 2

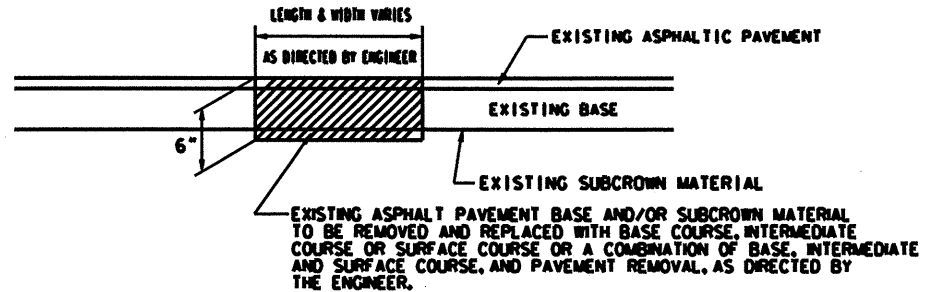
NC 403  
 MP 1.87 TO 1.96  
 MP 1.97 TO 2.06  
 (MP 1.96 TO 1.97 IS BRIDGE)  
 MP 7.64 TO 7.77



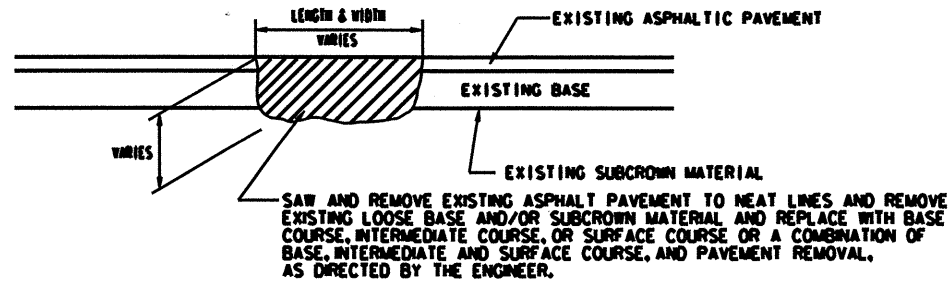
TYPICAL SECTION NO. 3

NC 403  
 MP 4.51 TO MP 4.78

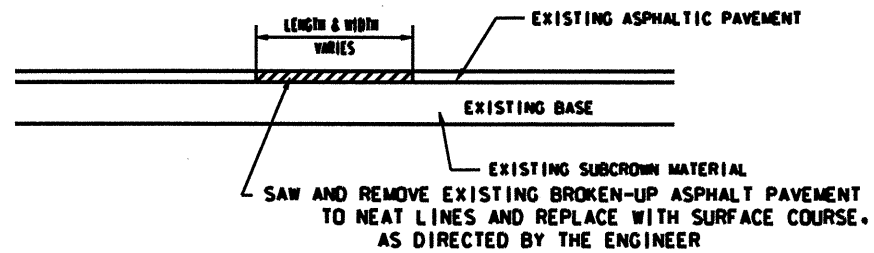
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



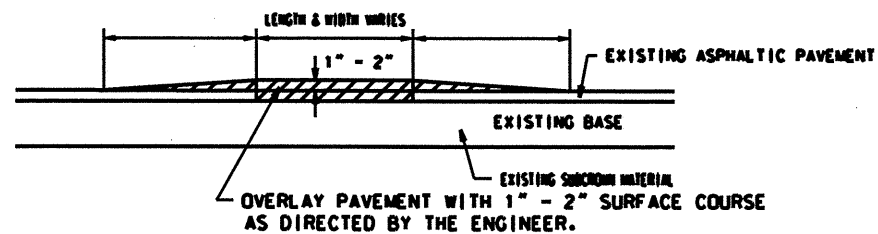
DETAIL NO. 1



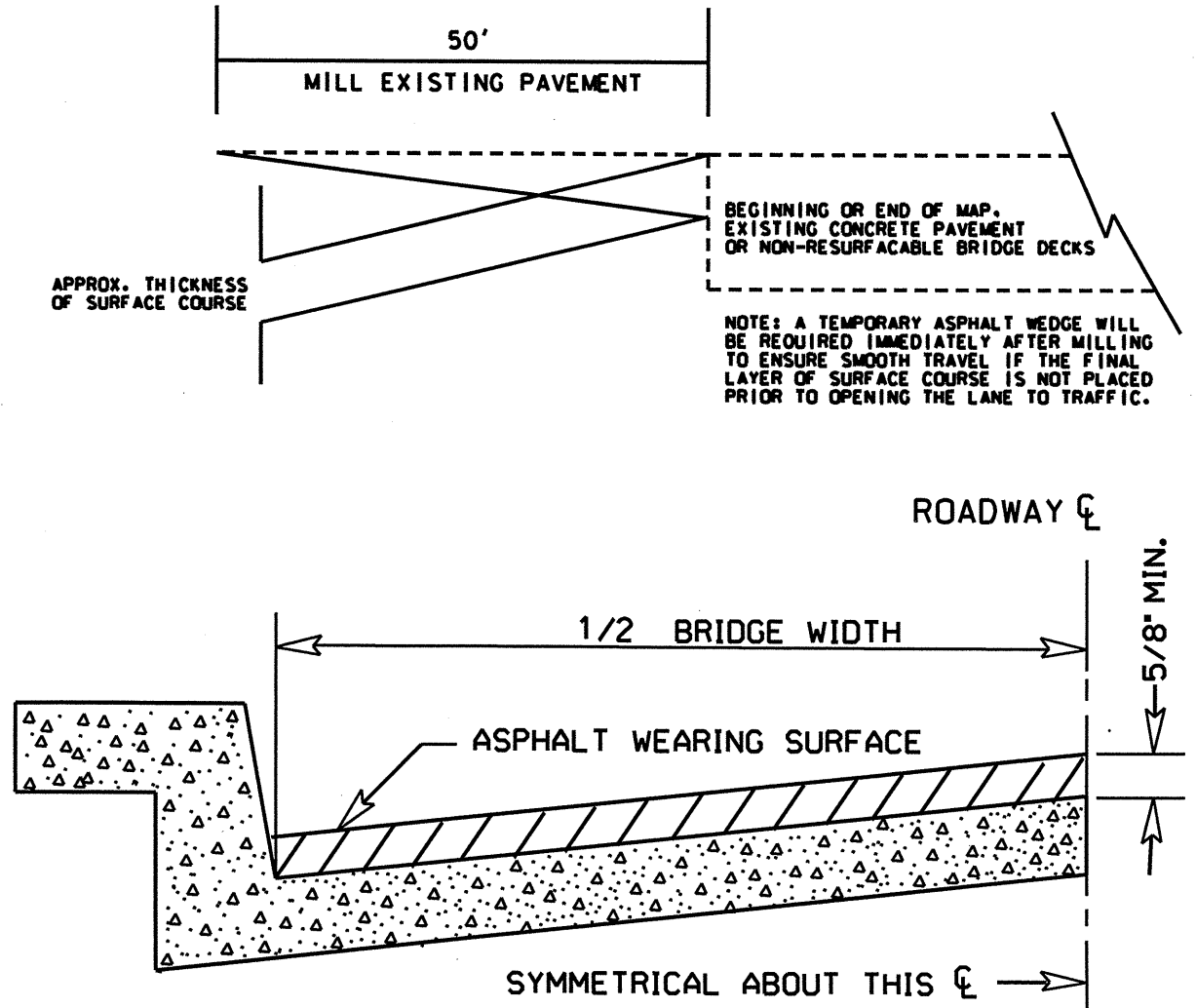
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

PROJECT NO.	SHEET NO.	TOTAL NO.
3CR.10821.73	4	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LENGTH MI	WIDTH FT	UNDERCUT EXC. CY	BORROW EXC. CY	FOUND. COND. MATERIAL, MINOR STRS TON	24" RCP CULVERTS, CL. III LF	30" RCP CULVERTS, CL. III LF	36" RCP CULVERTS, CL. III LF	42" RCP CULVERTS, CL. III LF	INC. STONE BASE TONS	SHOULDER RECON. SMI	2 1/2" MILLING SY	1 1/2" MILLING SY	4" MILLING SY	INC. MILLING SY	BASE COURSE, B25.0C TONS	INT. COURSE, I19.0C TONS	SURFACE COURSE, S9.5C TONS	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS
3CR.10821.73	Sampson	1	NC 403	0.09 MI. EAST OF SR 1904 TO 0.2 MI. SW OF SR 1734 (MP 0.00-7.77)			1								200										
		"	"	FULL WIDTH (MP 0.00-1.87, 2.06-4.09, 4.43-4.51, 4.78-7.64)	1	6.84	26	25	4,446	50	100	50	50	50		13.68	92,294			144	6,170	14,598	10,127	951	577
		"	"	TAPER 26'-39' (MP 1.87-1.96, 1.97-2.06)	2	0.18	32.5											3,432				333		19	
		"	"	TAPER 26'-56' (MP 7.64-7.77)	2	0.13	41											3,127		228		303		17	
		"	"	TAPER 26'-39' (MP 4.51-4.59)	3	0.08	32.5												1,525			241	148	11	8
		"	"	FULL WIDTH (MP 4.59-4.65)	3	0.06	39												1,373			216	133	10	8
		"	"	FULL WIDTH (MP 4.65-4.68)	3	0.03	48												845			133	82	6	5
		"	"	TAPER 48'-26' (MP 4.68-4.78)	3	0.1	37												2,171			342	210	16	12
		"	"	NO TYPICAL, NO PAVING (MP 4.09-4.43)		0.35	1																		
TOTAL FOR MAP NO. 1						7.77		25	4,446	50	100	50	50	50	200	13.68	92,294	6,559	5,914	372	6,170	15,530	11,336	994	646
TOTAL FOR PROJ NO. 3CR.10821.73						7.77		25	4,446	50	100	50	50	50	200	13.68	92,294	6,559	5,914	372	6,170	15,530	11,336	994	646
GRAND TOTAL						7.77		25	4,446	50	100	50	50	50	200	13.68	92,294	6,559	5,914	372	6,170	15,530	11,336	994	646

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	PATCHING (MILL) TON	PATCHING (FULL DEPTH) TONS	TEMP. SILT FENCE LF	STONE FOR EC CLASS B TON	SEDIMENT CONTROL STONE TON	TEMP. MULCHING ACR	SEED FOR TEMP. SEEDING LBS	FERTILIZER FOR TEMP. SEEDING TON	MATTING (EROSION CONTROL) SY	1/4" HARDWARE CLOTH LF	SEED & MULCHING AC	FINAL SURFACE TESTING REQUIRED
3CR.10821.73	Sampson	1	NC 403	0.09 MI. EAST OF SR 1904 TO 0.2 MI. SW OF SR 1734 (MP 0.00-7.77)		100	50	777	194	194	8	391	2	100	389	8.00	NO
		"	"	FULL WIDTH (MP 0.00-1.87, 2.06-4.09, 4.43-4.51, 4.78-7.64)	1												NO
		"	"	TAPER 26'-39' (MP 1.87-1.96, 1.97-2.06)	2												NO
		"	"	TAPER 26'-56' (MP 7.64-7.77)	2												NO
		"	"	TAPER 26'-39' (MP 4.51-4.59)	3												NO
		"	"	FULL WIDTH (MP 4.59-4.65)	3												NO
		"	"	FULL WIDTH (MP 4.65-4.68)	3												NO
		"	"	TAPER 48'-26' (MP 4.68-4.78)	3												NO
		"	"	NO TYPICAL, NO PAVING (MP 4.09-4.43)													NO
TOTAL FOR MAP NO. 1						100	50	777	194	194	8	391	2	100	389	8.00	
TOTAL FOR PROJ NO. 3CR.10821.73						100	50	777	194	194	8	391	2	100	389	8.00	
GRAND TOTAL						100	50	777	194	194	8	391	2	100	389	8	

SR #	Location	Existing length/size	Proposed length/size	Remarks
SR # 403	Sampson County	MAP NO. 1	Pipe Recommendations	
MP 1.04	1.0 miles NE from SR 1904	48' of 24" RCP	50' of 42"	N35.04659 W78.26734
MP 1.47	100 feet SW of SR 1752	48' of 15" RCP	50' of 30"	N35.05365 W78.26282
MP 2.43	0.1 Miles SW of SR 1748	48' of 18" RCP	50' of 24"	N35.06526 W78.25428
MP 2.59	10 feet SW of SR 1748	48' of 18" RCP	50' of 36"	N35.06769 W78.25375
MP 6.81	0.2 Miles SW of SR 1734	48' of 18" RCP	50' of 24"	N35.10823 W78.20463

Note: Replace Culvert Pipes at the Existing Invert Elevations.

PROJECT NO.	SHEET NO.	TOTAL NO.
3CR.10821.73	5	

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E	4686000000-E			4695000000-E	4710000000-E	4721000000-E	4725000000-E			4810000000-E		4820000000-E	4835000000-E	4840000000-N				4905000000-N		
					4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 90 M YELLOW THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG SCHOOL 120 M EA	THERMO LT ARROW 90 M EA	THERMO STR ARROW 90 M EA	THERMO RT ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	8" YELLOW PAINT LF	24" WHITE PAINT LF	PAINT MSG SCHOOL EA	PAINT LT ARROW EA	PAINT STR ARROW EA	PAINT RT ARROW EA	SNOW PLOWABLE MARKERS (Y/Y) EA	SNOW PLOWABLE MARKERS (C/R) EA		
3CR.10821.73	Sampson	1	NC 403	0.09 MI. EAST OF SR 1904 TO 0.2 MI. SW OF SR 1734 (MP 0.00-7.77)																					
		"	"	FULL WIDTH (MP 0.00-1.87, 2.06-4.09, 4.43-4.51, 4.78-7.64)	72,230	45,144			100	12					72,230	45,144		100	12					479	
		"	"	TAPER 26'-39' (MP 1.87-1.96, 1.97-2.06)	1,901	1,188									1,901	1,188								12	
		"	"	TAPER 26'-56' (MP 7.64-7.77)	1,373	2,746	150	200							150	2,746	200							34	10
		"	"	TAPER 26'-39' (MP 4.51-4.59)	845	1,690		100							1,523	1,690	100							11	
		"	"	FULL WIDTH (MP 4.59-4.65)	634	634	180	25			2	1			814	634	25				2	1		4	8
		"	"	FULL WIDTH (MP 4.65-4.68)	317	317	90	25				2	2		407	317	25					2	2	2	4
		"	"	TAPER 48'-26' (MP 4.68-4.78)	1,056	2,112	75	75							1,131	2,112	75							14	
		"	"	NO TYPICAL, NO PAVING (MP 4.09-4.43)																					
<b>TOTAL FOR MAP NO. 1</b>					<b>78,356</b>	<b>53,831</b>	<b>495</b>	<b>425</b>	<b>100</b>	<b>12</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>78,156</b>	<b>53,830</b>	<b>425</b>	<b>100</b>	<b>12</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>556</b>	<b>22</b>		
<b>TOTAL FOR PROJ NO. 3CR.10821.73</b>					<b>78,356</b>	<b>53,831</b>	<b>495</b>	<b>425</b>	<b>100</b>	<b>12</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>78,156</b>	<b>53,830</b>	<b>425</b>	<b>100</b>	<b>12</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>556</b>	<b>22</b>		
						<b>54,326</b>						<b>7</b>		<b>131,987</b>					<b>7</b>			<b>578</b>			
<b>GRAND TOTAL</b>					<b>78,356</b>	<b>53,831</b>	<b>495</b>	<b>425</b>	<b>100</b>	<b>12</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>78,156</b>	<b>53,830</b>	<b>425</b>	<b>100</b>	<b>12</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>556</b>	<b>22</b>		
						<b>54,326</b>						<b>7</b>		<b>131,987</b>					<b>7</b>			<b>578</b>			

