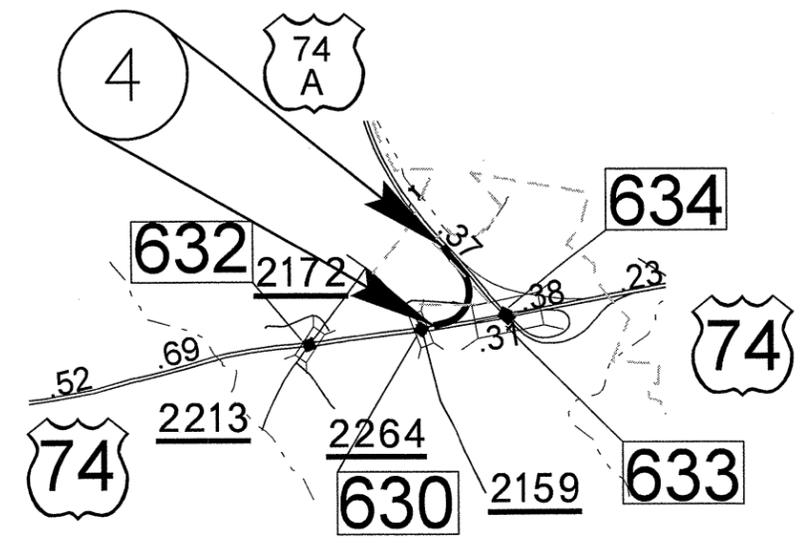
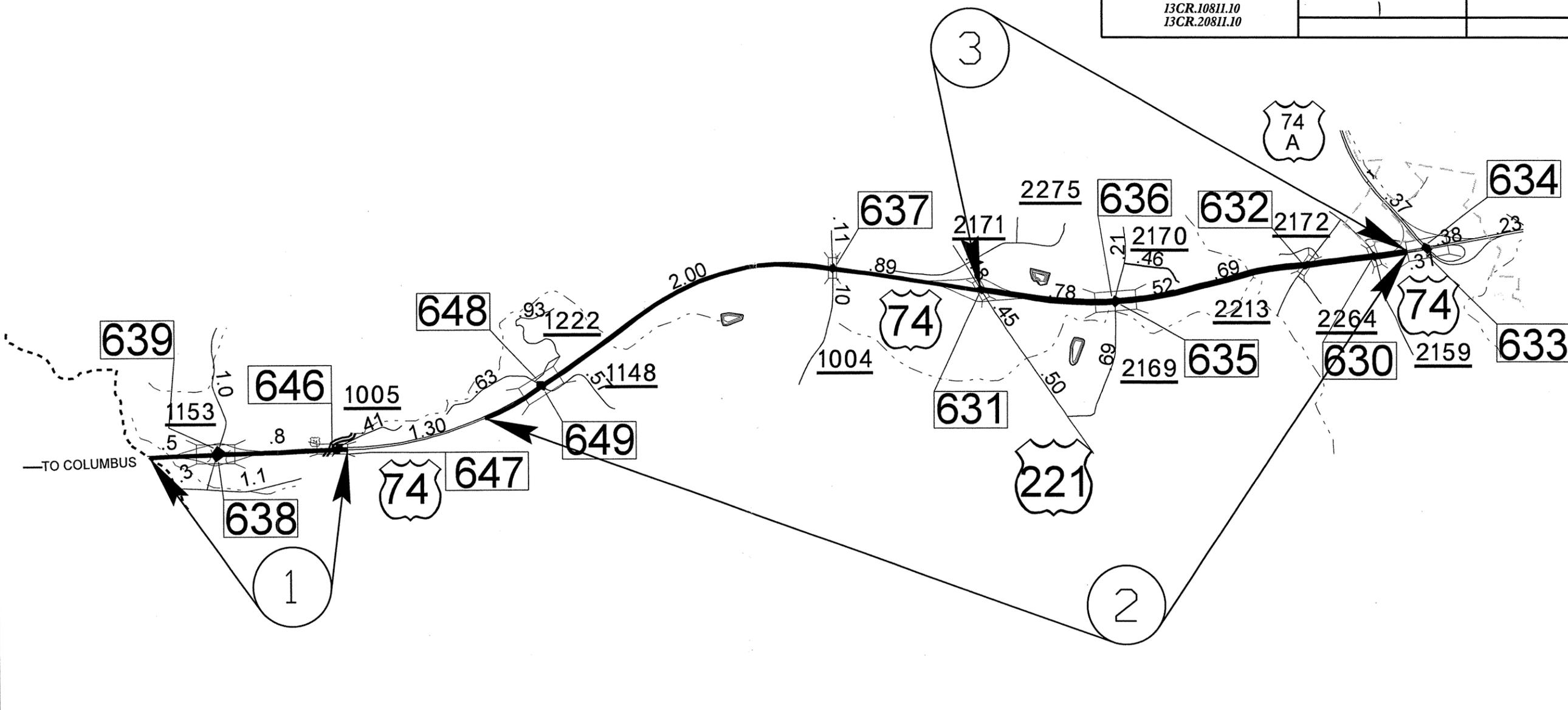


PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10811.10 13CR.20811.10	1	



RUTHERFORD COUNTY

RUTHERFORD COUNTY

PROJECT NO.

13CR.10811.10
13CR.20811.10

SHEET NO.

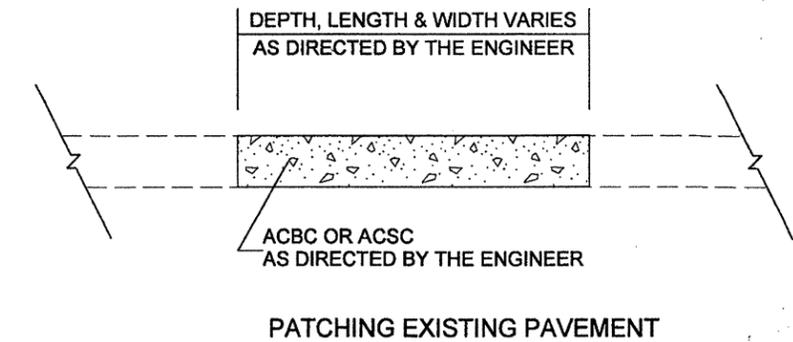
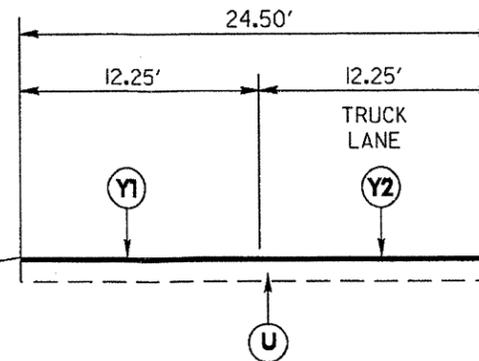
3

TOTAL SHEETS

WBL

EBL

US 74
MEDIAN



TYPICAL SECTION NO. 1

WBL

EBL

US 74
MEDIAN



TYPICAL SECTION NO. 2

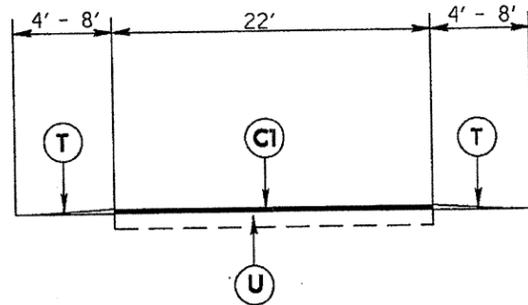
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE 89.5B, AT AN AVERAGE RATE OF 188 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE 8F9.5A, AT AN AVERAGE RATE OF 185 LBS. PER SQ. YD.
R	EXISTING CONCRETE CURB OR CONCRETE ISLAND
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILL 1½"
Y1	PROP. APPROX. ¼" GENERIC PAVING ITEM LATEX MODIFIED MICRO-SURFACING, TYPE C
Y2	PROP. APPROX. ½" GENERIC PAVING ITEM LATEX MODIFIED MICRO-SURFACING, TYPE C, IN EACH OF TWO LAYERS

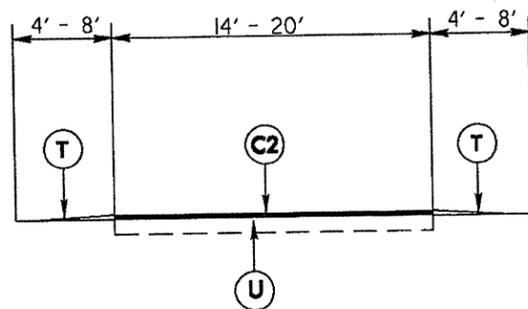
RUTHERFORD

COUNTY

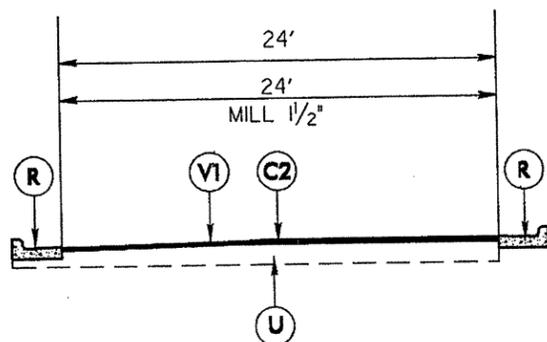
PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10811.10 13CR20811.10	4	



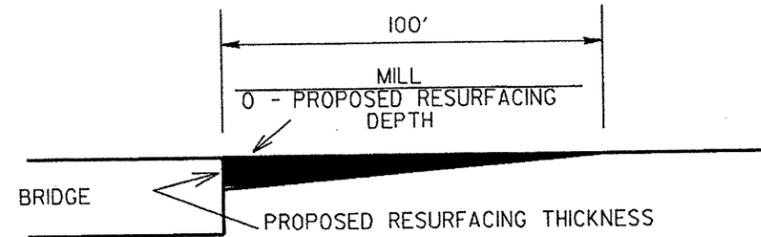
TYPICAL SECTION NO. 3



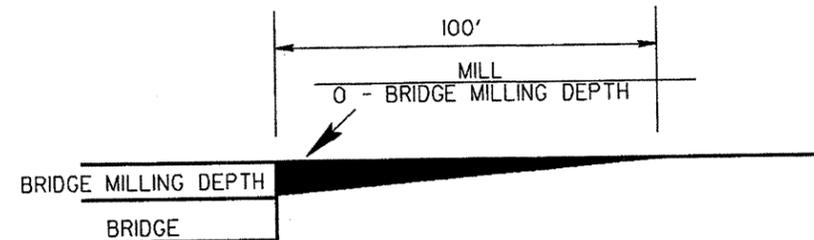
TYPICAL SECTION NO. 4



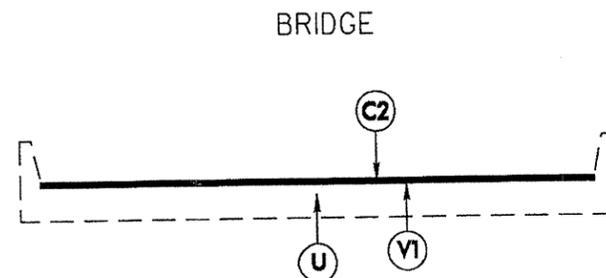
TYPICAL SECTION NO. 5



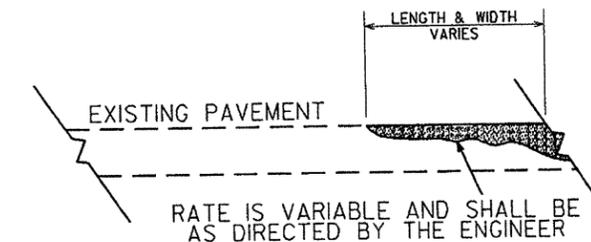
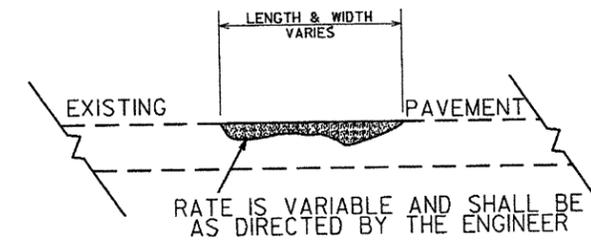
INCIDENTAL MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGES WILL NOT BE RESURFACED
COST OF BRIDGE APPROACH MILLING IS INCIDENTAL TO OTHER ITEMS



INCIDENTAL MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGES WILL BE MILLED THEN RESURFACED
COST OF BRIDGE APPROACH MILLING IS INCIDENTAL TO OTHER ITEMS



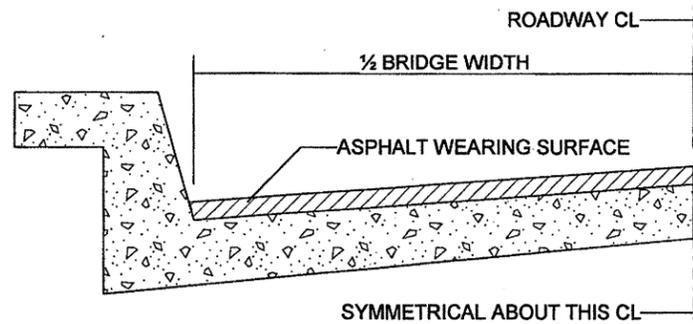
BRIDGE DETAIL
BRIDGE # 145 MAP 8
MILL 1/2" OFF EXISTING PAVEMENT
SEE MAPS FOR BRIDGE LOCATION



DETAIL SHOWING METHOD OF WEDGING

RUTHERFORD COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10811.10 13CR20811.10	5	



BRIDGE HALF TYPICAL SECTION

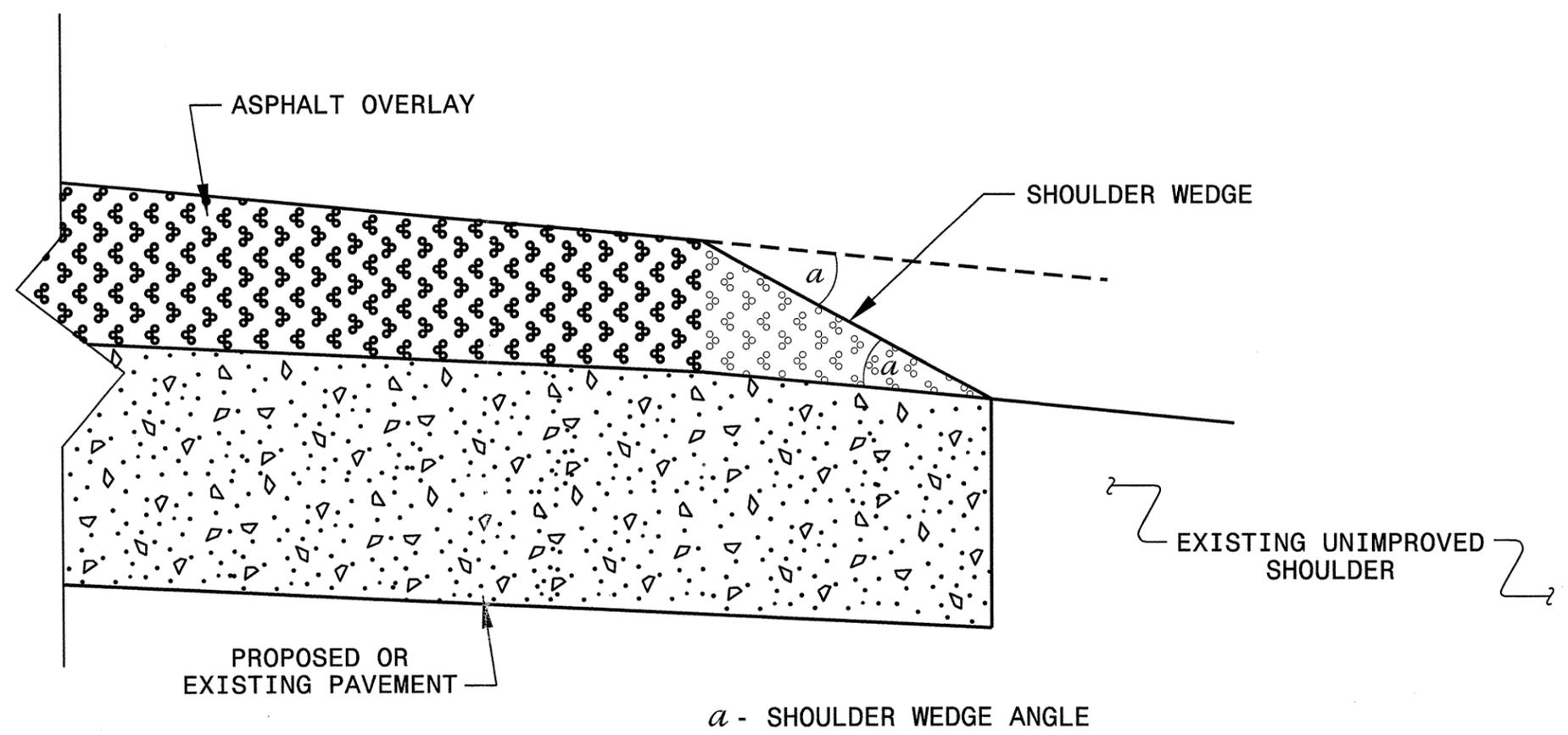
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2". THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1.0", SF9.5A 1.5", S9.5X 2.0", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2".

NOTES

ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.
 BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

13CL10811.10
13CR20811.10



SHOULDER WEDGE DETAIL

04-DCT-20111122
S:\Contracts\Special Details\Jhower-ton\shoulderwedgedetail.dgn
\$\$\$USERNAME\$\$\$

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
SHOULDER WEDGE DETAIL	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.10811.10, 13CR.20811.10	7	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SEALING EXISTING PAVEMENT CRACKS LB	INCIDENTAL STONE BASE TON	SHOULDER RECONSTRUCTION SMI	1 1/2" MILLING SY	ASPHALT CONC SURFACE COURSE, TYPE SF9.5B TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT TON	GENERIC PAVING ITEM LATEX MODIFIED MICRO-SURFACING, TYPE C SY	PORTABLE LIGHTING LS
13CR.10811.10	Rutherford	1	US 74 EBL	FROM POLK COUNTY MP 0 TO BEGIN ULTRATHIN MP 1.25	1	NO	1.25	24.5	2,600								26,950.00	
		2	US 74 EBL	FROM END OF ULTRATHIN MP 2.25 TO US 74A AT BRIDGE 633 MP 8.19	1	NO	5.94	24.5	12,000								128,066.40	
		3	US 74 WBL	FROM US 74A AT BRIDGE 634 MP 8.66 TO US 221 MP 11.39	2	NO	2.73	24.5	5,400								58,858.80	
		4	US 74 ON RAMP	FROM PAVEMENT CHANGE NEAR US 74A MP 0.12 TO PAVEMENT CHANGE NEAR US 74 MP 0.33	3	NO	0.23	22		11.50	0.46		276		17	300		1
TOTAL FOR PROJ NO. 13CR.10811.10							10.15		20,000	11.50	0.46		276		17	300	213,875.20	1
13CR.20811.10	Rutherford	5	SR 1191	FROM US 221 MP 0 TO DE MP 0.19	4	NO	0.19	14		9.50	0.38			143	10	135		
		6	SR 1593	FROM SR 1546 MP 0 TO US 74 BUS/221A MP 0.13	5	NO	0.13	24				1,830		167	11	50		
		7	SR 2125	FROM US 221A MP 0 TO SR 2117 MP 2.34	4	NO	2.35	20		117.50	4.70			2,518	169	1,170		
		8	SR 2125	FROM US 221 MP 4.72 TO SR 1116 MP 5.39	4	NO	0.67	20		33.50	1.34	420		718	48	1,054		
TOTAL FOR PROJ NO. 13CR.20811.10							3.34			160.50	6.42	2,250		3,546	238	2,409		
GRAND TOTAL							13.49		20,000.00	172.00	6.88	2,250	276	3,546	255	2,709	213,875.20	1

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E		4686000000-E	4695000000-E	4697000000-E	4710000000-E	4810000000-E		4820000000-E	4850000000-E	4860000000-E	4905000000-N		
							4" X 90 M WHITE THERMO LF	4" X 90 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 90 M WHITE THERMO LF	8" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	PAINT PAVEMENT MARKING LINES (4") WHITE LF	PAINT PAVEMENT MARKING LINES (4") YELLOW LF	PAINT PAVEMENT MARKING LINES (8") WHITE LF	REMOVAL OF PAVEMENT MARKING LINES (4") LF	REMOVAL OF PAVEMENT MARKING LINES (8") LF	SNOWPLOWABLE PAVEMENT MARKERS EA		
13CR.10811.10	Rutherford	1	US 74 EBL	FROM POLK COUNTY MP 0 TO BEGIN NOVA CHIP MP 1.25	1.25	24.5	6,600	6,600	1,650	351				8,250	6,600	351	14,850	351	98	
		2	US 74 EBL	FROM END OF ULTRATHIN MP 2.25 TO US 74A AT BRIDGE 633 MP 8.19	5.94	24.5	31,363	31,363	7,841	1,620				39,204	31,363	1,620	70,567	1,620	450	
		3	US 74 WBL	FROM US 74A AT BRIDGE 634 MP 8.66 TO US 221 MP 11.39	2.73	24.5	14,414	14,414	3,604	729				18,018	14,414	729	32,432	729	202	
		4	US 74 ON RAMP	FROM PAVEMENT CHANGE NEAR US 74A MP 0.12 TO PAVEMENT CHANGE NEAR US 74 MP 0.33	0.23	22	1,214	1,214		60									4	
TOTAL FOR PROJ NO. 13CR.10811.10							10.15		53,591	53,591	13,095	2,760			65,472	52,377	2,700	117,849	2,700	754
									107,182					117,849						
13CR.20811.10	Rutherford	5	SR 1191	FROM US 221 MP 0 TO DE MP 0.19	0.19	14														
		6	SR 1593	FROM SR 1546 MP 0 TO US 74 BUS/221A MP 0.13	0.13	24								1,373	1,373					
		7	SR 2125	FROM US 221A MP 0 TO SR 2117 MP 2.34	2.35	20				40	24			49,632	49,632					
		8	SR 2125	FROM US 221 MP 4.72 TO SR 1116 MP 5.39	0.67	20								14,150	14,150					
TOTAL FOR PROJ NO. 13CR.20811.10							3.34				40	24		65,155	65,155					
														130,310						
GRAND TOTAL							13.49		53,591	53,591	13,095	2,760	40	24	130,627	117,532	2,700	117,849	2,700	754
									107,182					248,159						