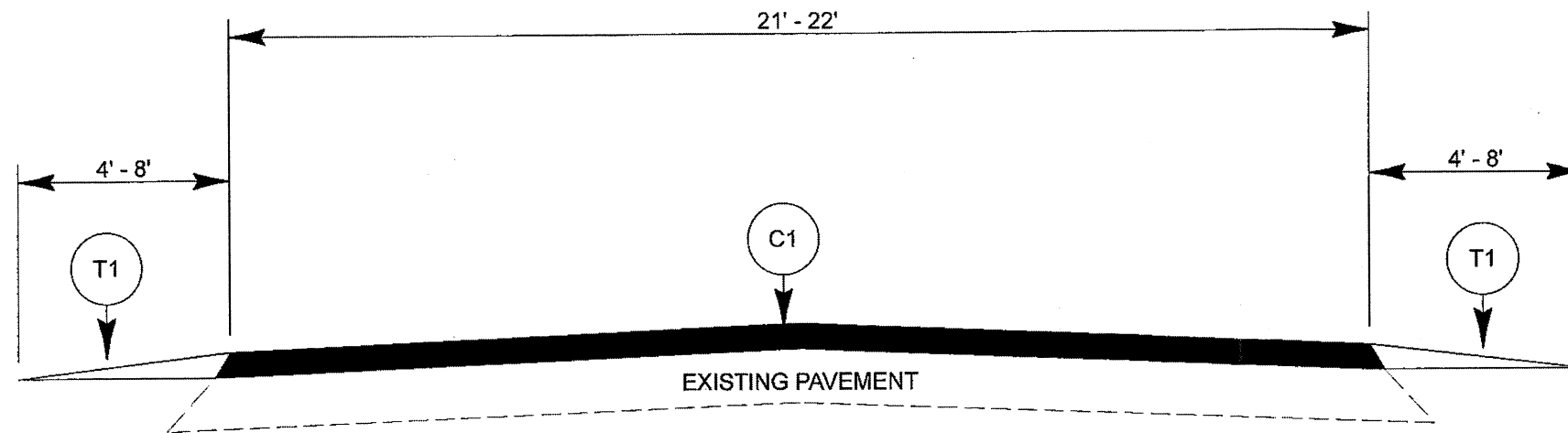
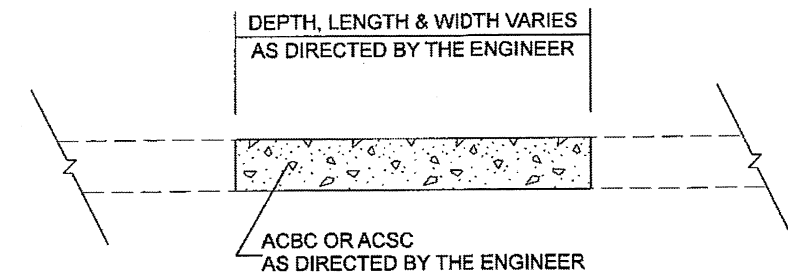


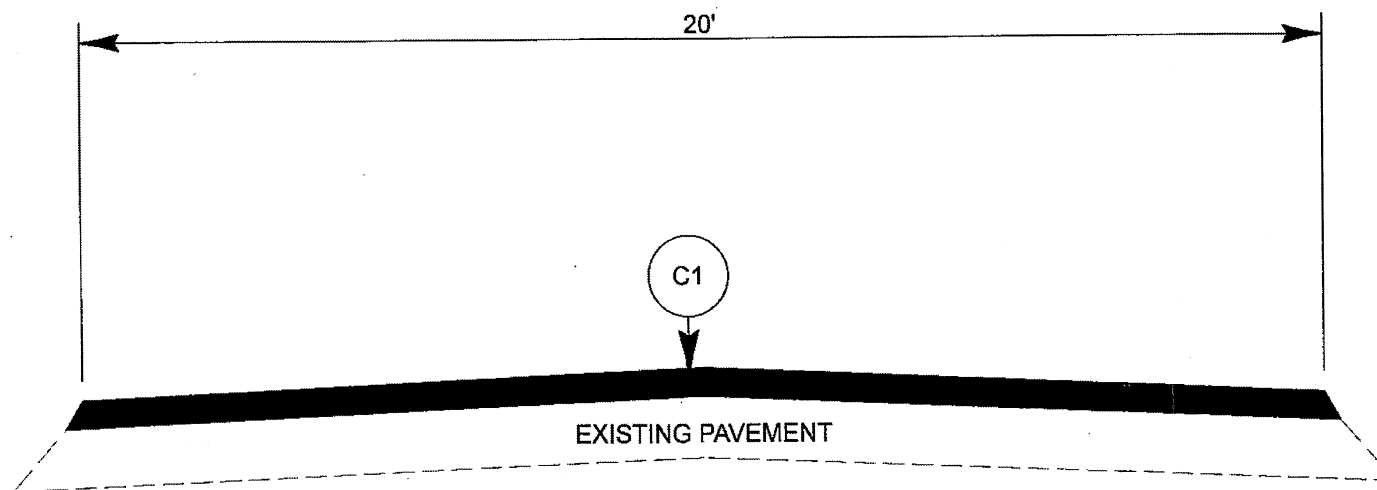
PROJECT NO. 13CR.11001.14, 13CR.21001.14	SHEET NO. 2	TOTAL SHEETS 5
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TYPICAL SECTION NO. 1



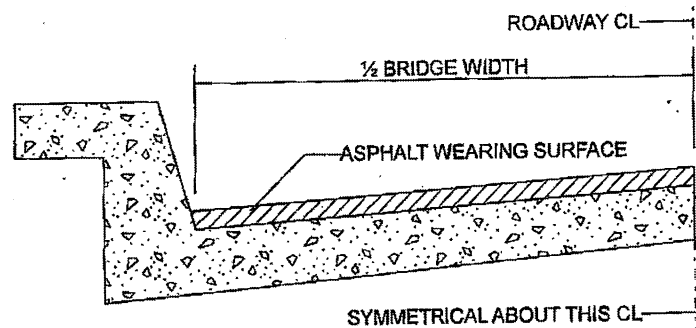
PATCHING EXISTING PAVEMENT



TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ACSC, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V3	INCIDENTAL MILLING

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.11001.14, 13CR.21001.14	3	5



BRIDGE HALF TYPICAL SECTION

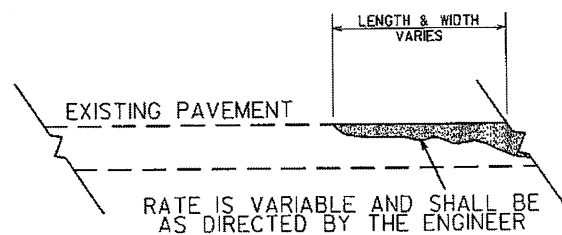
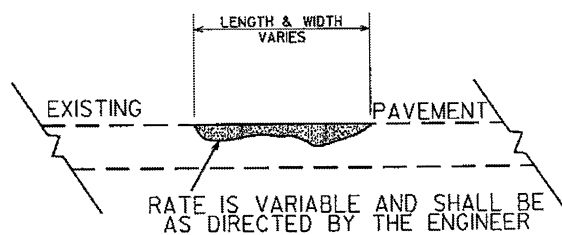
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

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", SF9.6A 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", SF9.6A 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".

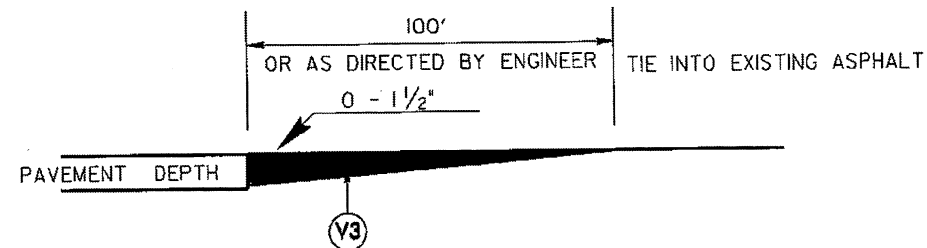
NOTES

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.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ACSC, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V3	INCIDENTAL MILLING



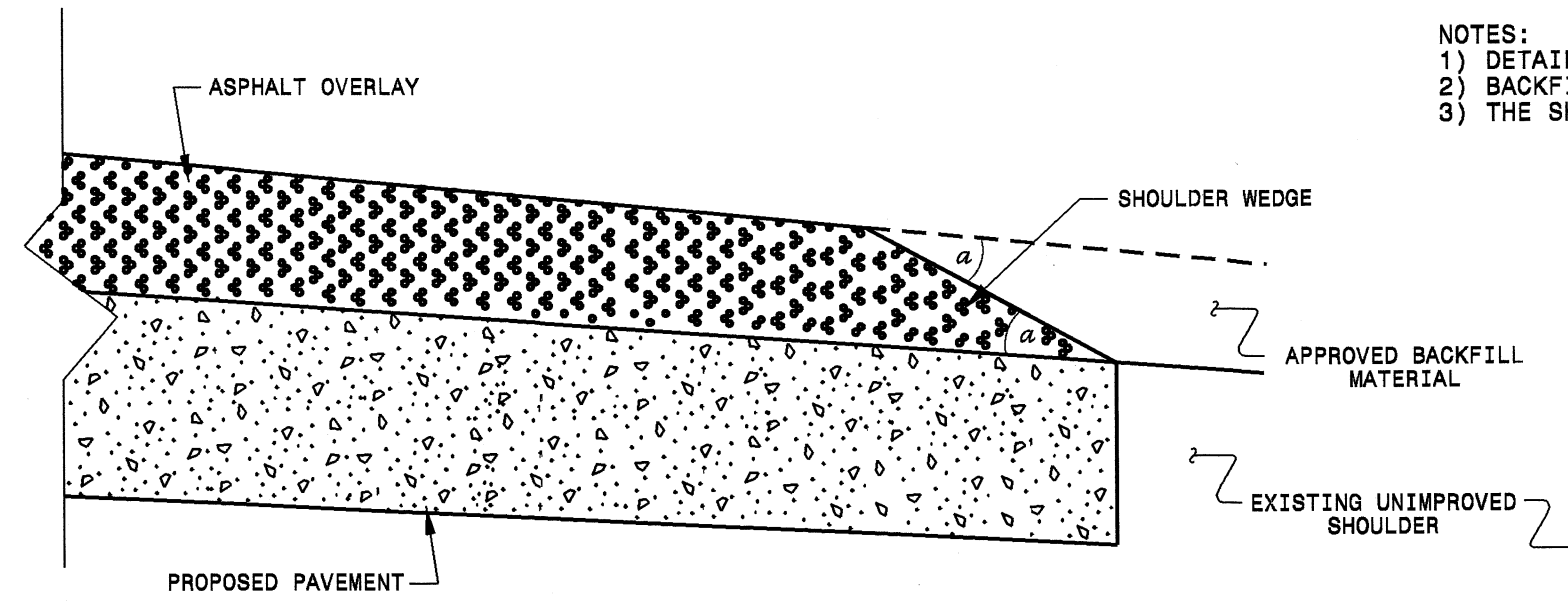
DETAIL SHOWING METHOD OF WEDGING



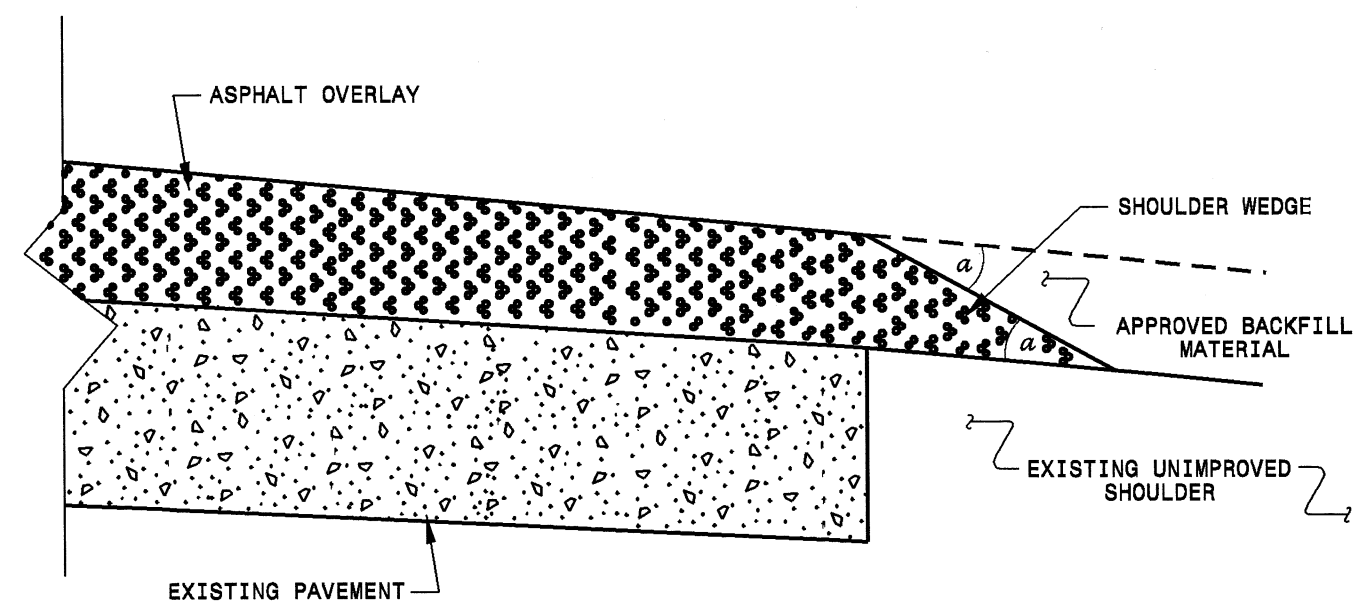
DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP TO BE RESURFACED WITH ASPHALT CONC SURFACE COURSE, TYPE S9.5B. THIS WILL BE PAID FOR AS INCIDENTAL MILLING.

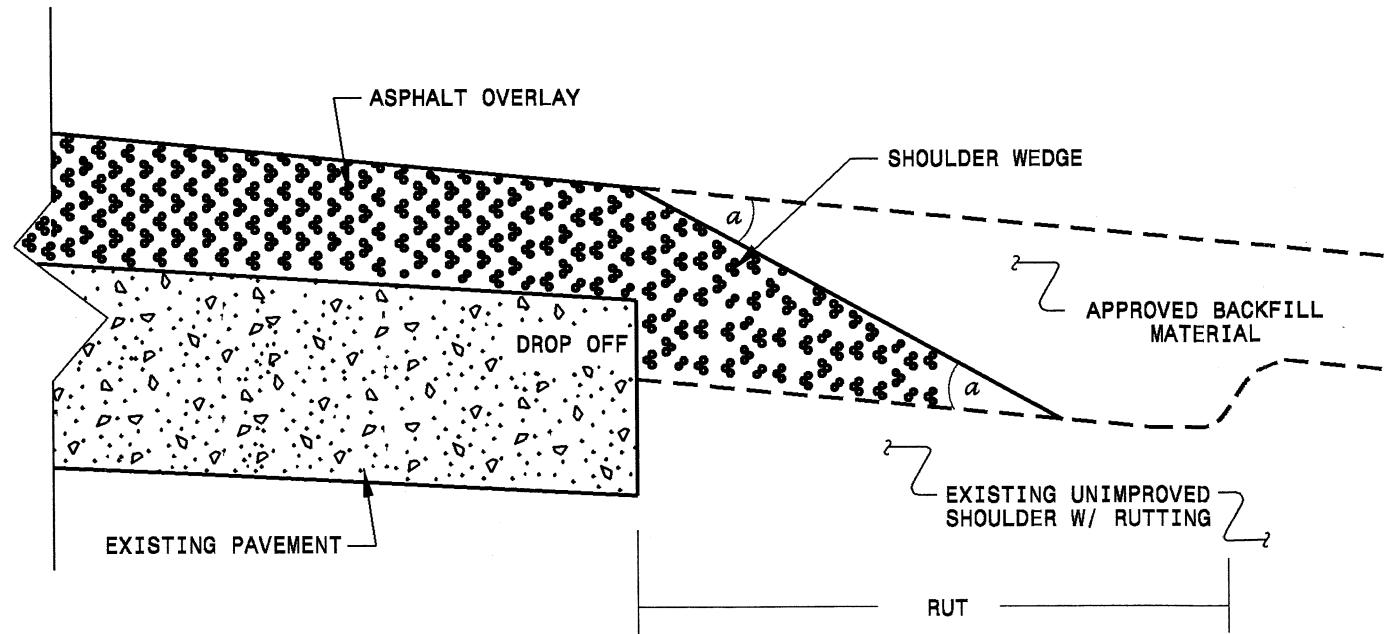
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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:\u\n\detail\stand\shoulderwedge\stdetail.dgn	

28-AUG-2014 13:21:53 s:\u\n\detail\stand\shoulderwedge\stdetail.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.11001.14, 13CR.21001.14	5	5

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TON	SHOULDER RECONSTRUCTION SMI	INCIDENTAL MILLING SY	ASPHALT CONC SURFACE COURSE, TYPE S9.5B TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT TON
13CR.11001.14	Yancey	1	NC 80 S	FROM 1 MILE NORTH OF SR 1153 (HICKORY SPRINGS ROAD) TO US 19E (MP 13.122 - MP 14.11)	1	2	2WU	NO	NO	0.99	22	50	1.98	775	1,187	71	225
13CR.11001.14	Yancey	2	US 19W	FROM SR1413 (BENT CREEK) TO SR 1414 (HOLLOWAY) (MP 11.92 - MP 15.92)	1	2	2WU	NO	NO	4	21	200	8.00	761	4,581	275	575
TOTAL FOR PROJ NO. 13CR.11001.14										4.99		250	9.98	1,536	5,768	346	800
13CR.21001.14	Yancey	3	SR 1186 (MICAVILLE LOOP)	FROM NC 80S TO US 19E (MP 0 - MP 0.55)	2	2	2WU	NO	NO	0.53	20	27		1,016	578	35	125
TOTAL FOR PROJ NO. 13CR.21001.14										0.53		27		1,016	578	35	125
GRAND TOTAL										5.52		277	9.98	2,552	6,346	381	925

Note: Shoulder work on map 3 will be done by State Forces
Note : Any signal loop work will be done by FA

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4710000000-E	4721000000-E	4847000000-E		4905000000-N
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	TEMPORARY TRAFFIC CONTROL LS	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) WHITE LF	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS) SCHOOL EA	POLYUREA PAVEMENT MARKING LINES (4") WHITE (HIGHLY REFLECTIVE ELEMENTS) LF	POLYUREA PAVEMENT MARKING LINES (4") YELLOW (HIGHLY REFLECTIVE ELEMENTS) LF	SNOWPLOWABLE PAVEMENT MARKERS EA
13CR.11001.14	Yancey	1	NC 80 S	FROM 1 MILE NORTH OF SR 1153 (HICKORY SPRINGS ROAD) TO US 19E (MP 13.122 - MP 14.11)	1	2	2WU	0.99	22	559	*	54	12	10,454	10,454	98
13CR.11001.14	Yancey	2	19W	FROM SR1413 (BENT CREEK) TO SR 1414 (HOLLOWAY) (MP 11.92 - MP 15.92)	1	2	2WU	4	21					42,240	42,240	396
TOTAL FOR PROJ NO. 13CR.11001.14										559	1	54	12	52,694	52,694	494
														105,388		
13CR.21001.14	Yancey	3	SR 1186 (MICAVILLE LOOP)	FROM NC 80S TO US 19E (MP 0 - MP 0.55)	2	2	2WU	0.53	20	59	*	14		5,597	5,597	
TOTAL FOR PROJ NO. 13CR.21001.14										59	1	14		5,597	5,597	
														11,194		
GRAND TOTAL										618	1	68	12	58,291	58,291	494
														116,582		