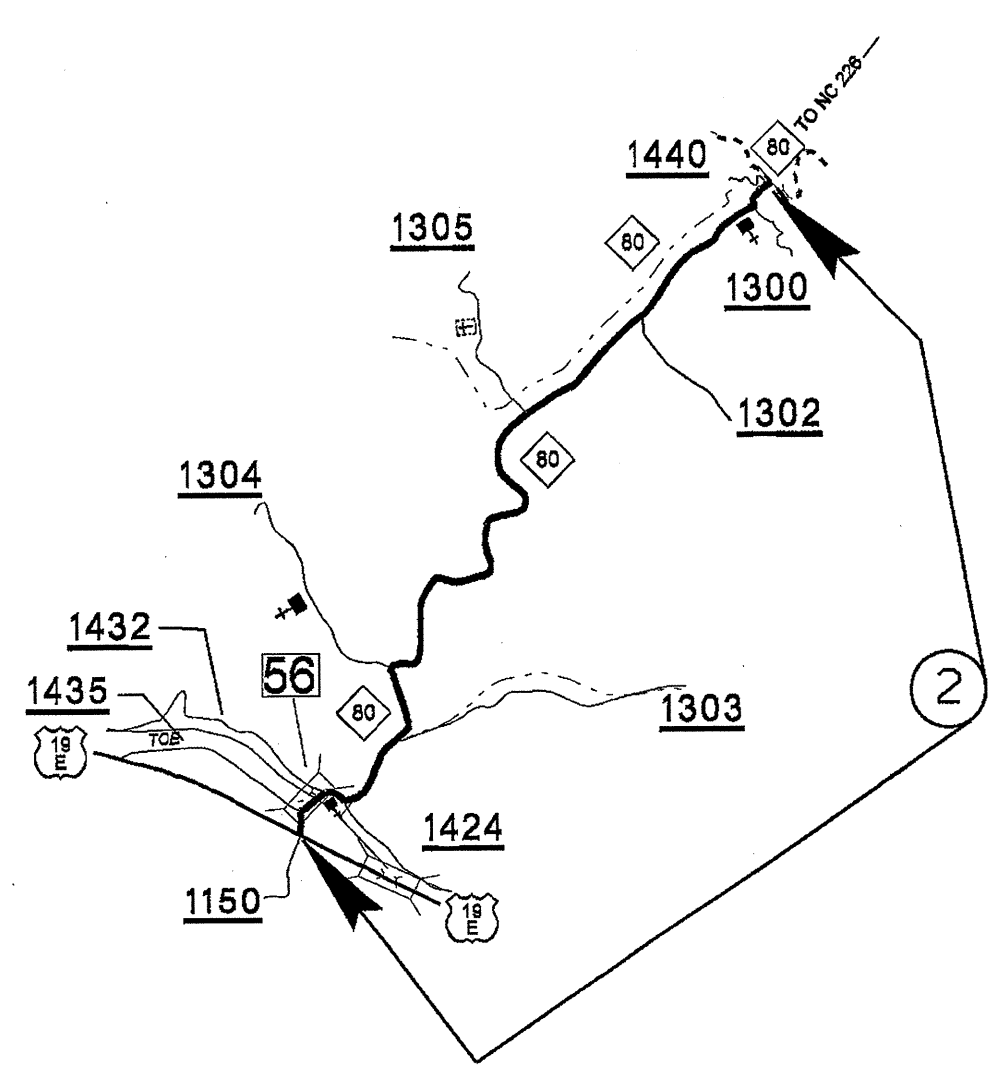
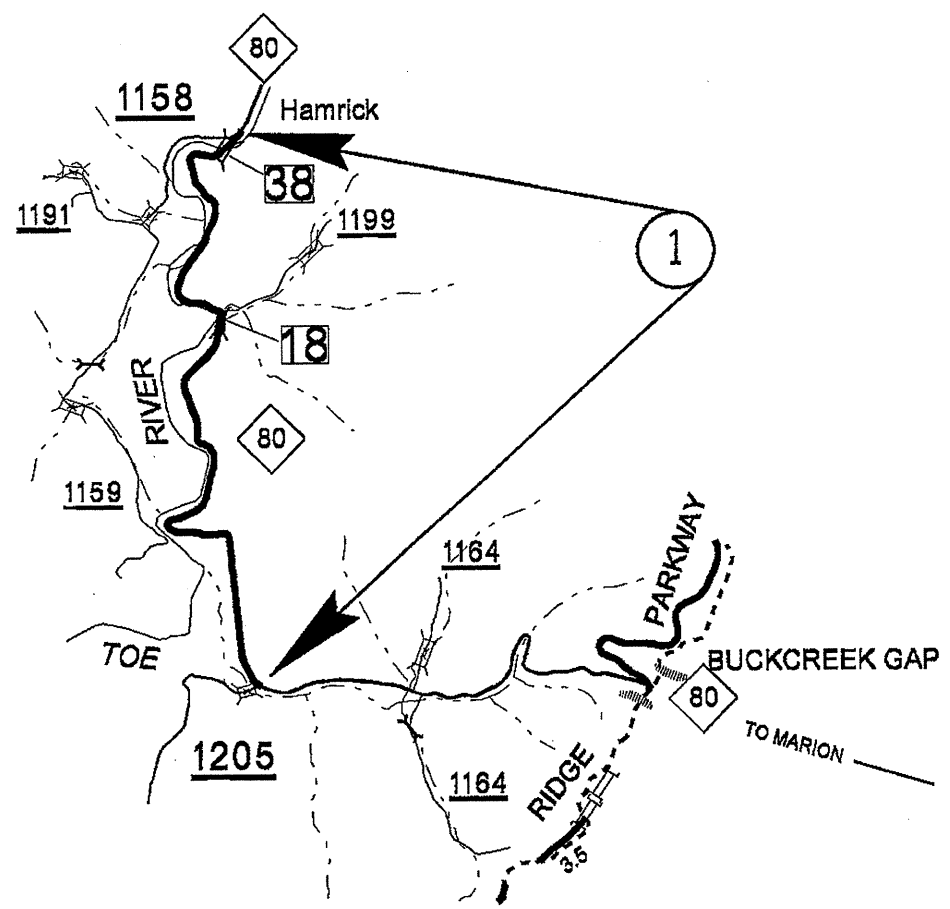


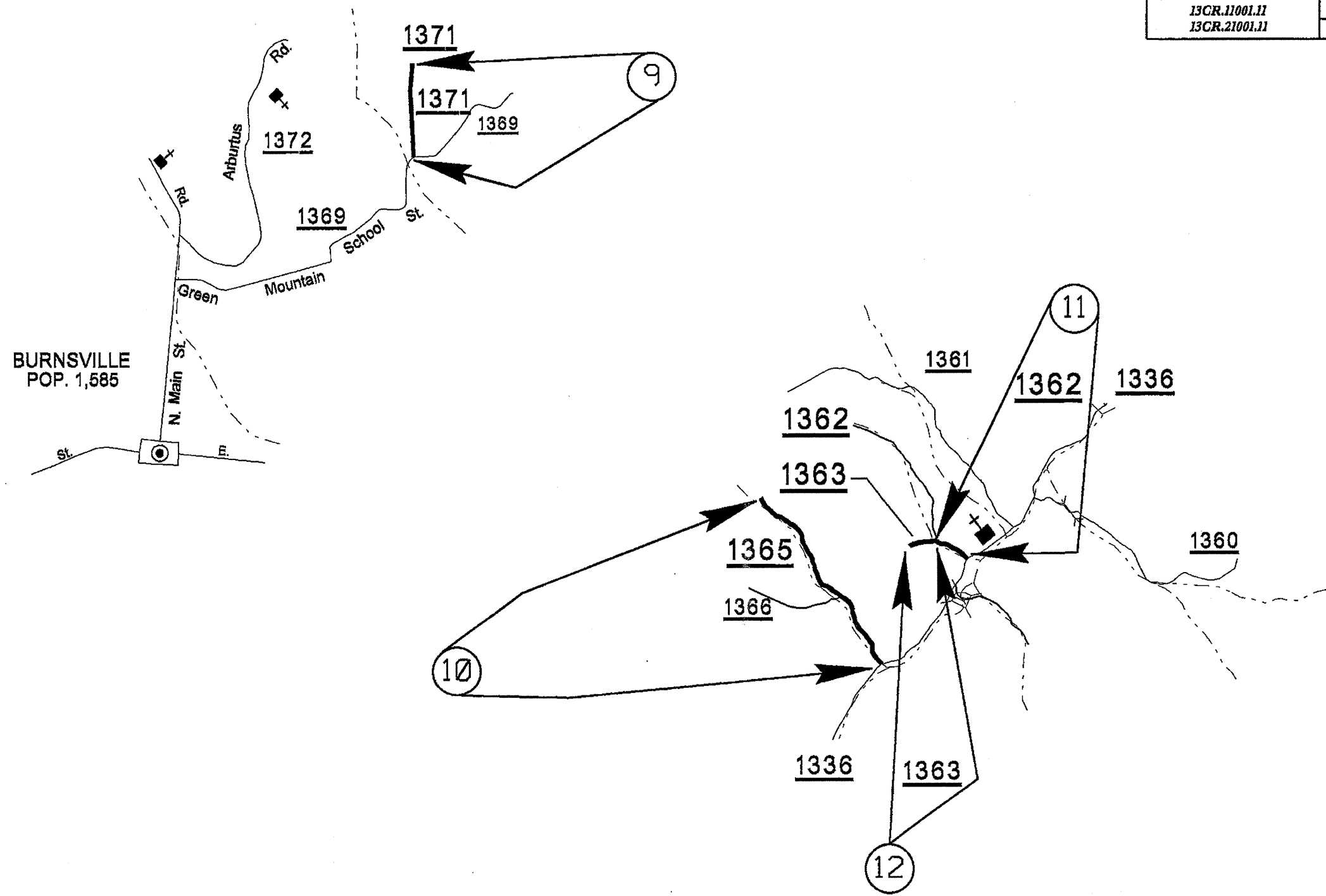
PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.11001.11		
13CR.21001.11		



**YANCEY COUNTY**

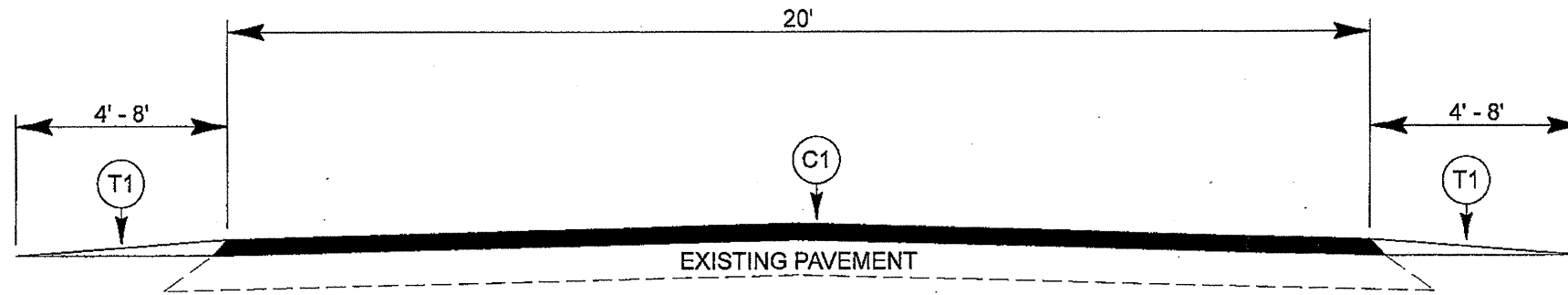


PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.11001.11	3	
13CR.21001.11		

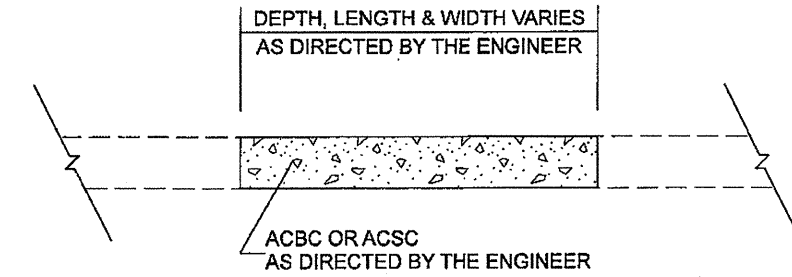


**YANCEY COUNTY**

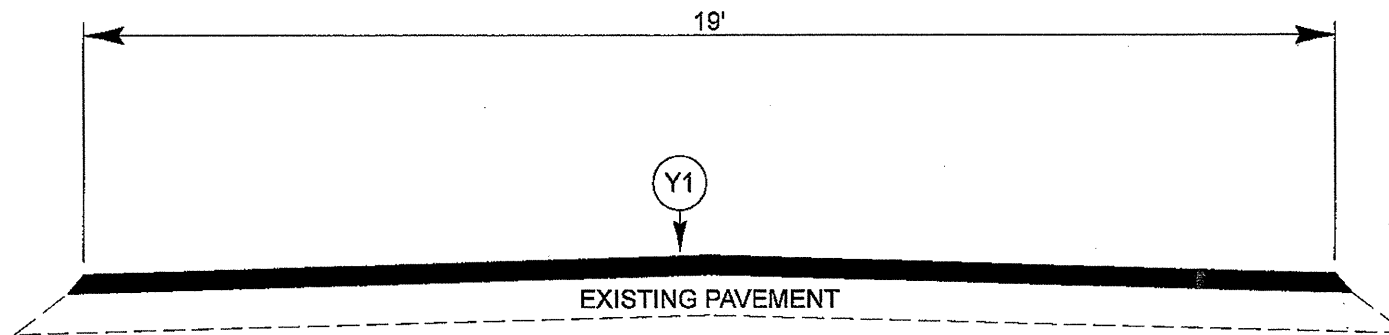
PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.11001.11, 13CR.21001.11	4	



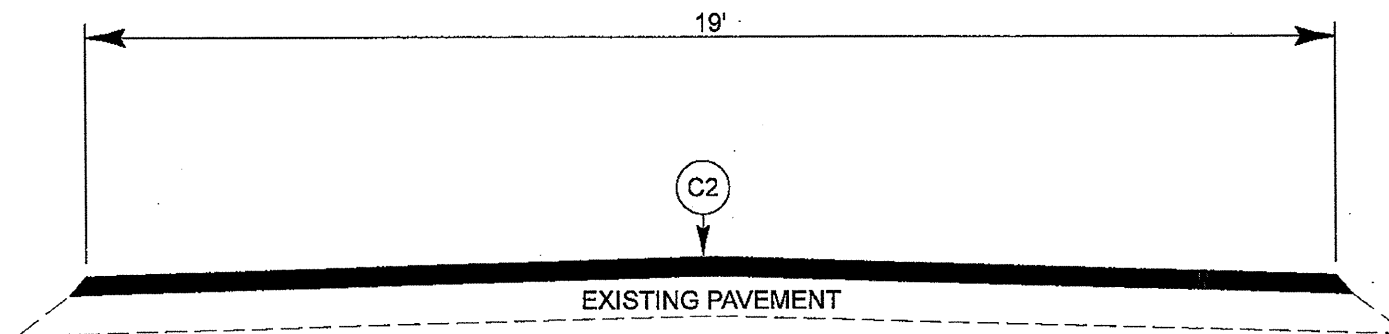
TYPICAL SECTION NO. 1



PATCHING EXISTING PAVEMENT



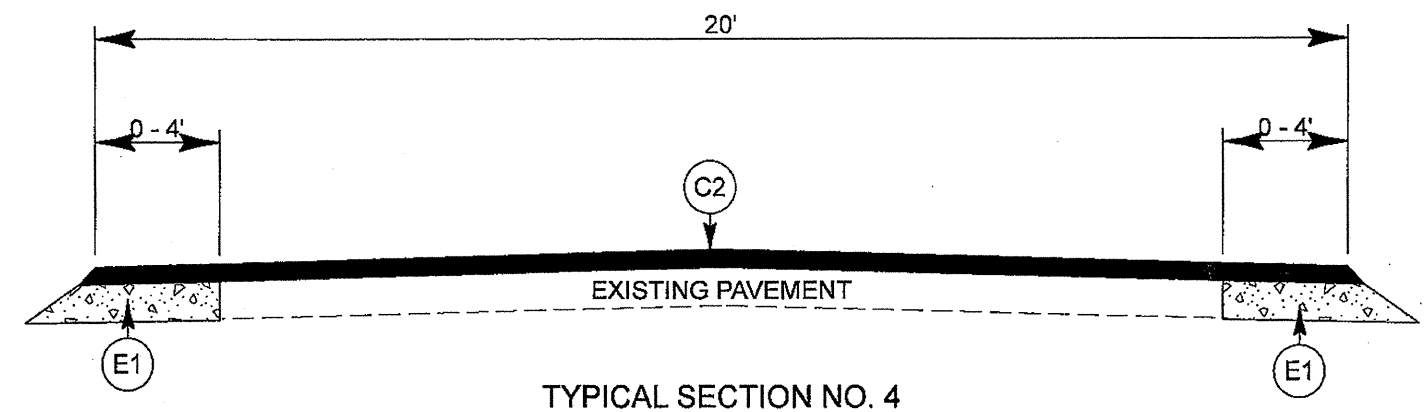
TYPICAL SECTION NO. 2



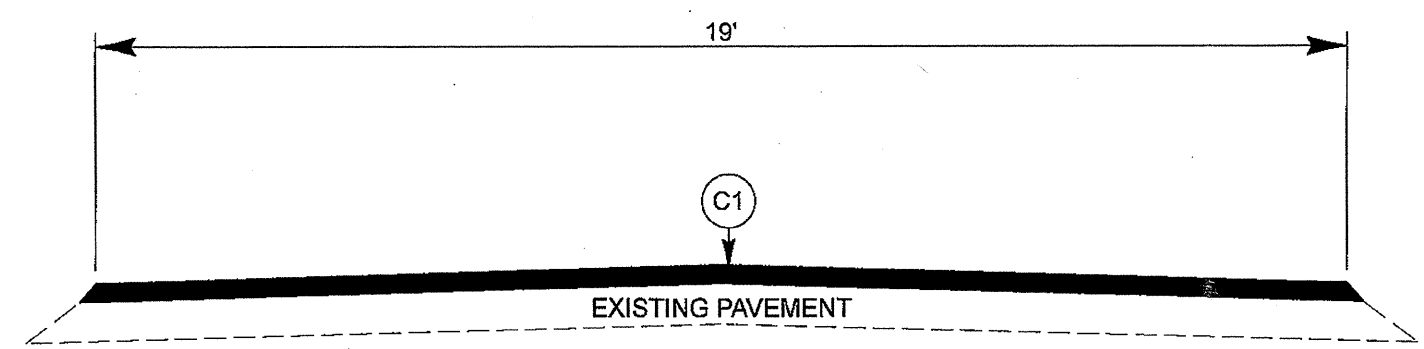
TYPICAL SECTION NO. 3

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
F1	ASPHALT SURFACE TREATMENT, SPLIT SEAL
T1	SHOULDER RECONSTRUCTION
Y1	PROP. APPROX. 1/4" GENERIC PAVING ITEM LATEX MODIFIED MICRO-SURFACING, TYPE C

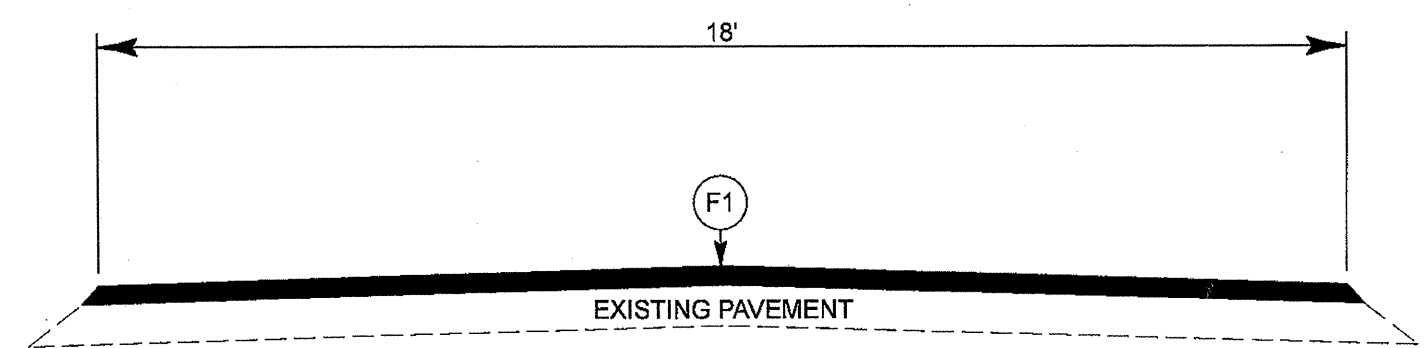
PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.11001.11, 13CR.21001.11	5	



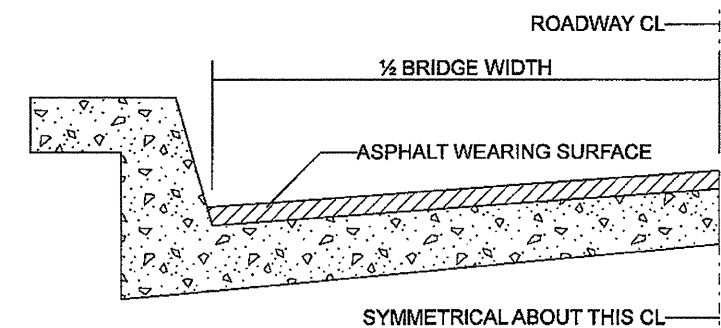
TYPICAL SECTION NO. 4



TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 6

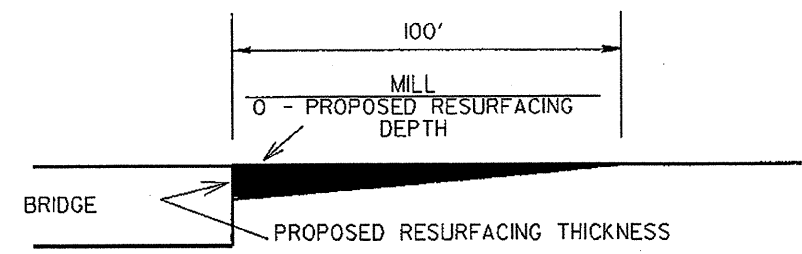


BRIDGE HALF TYPICAL SECTION  
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

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.  
SHOULDER 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.

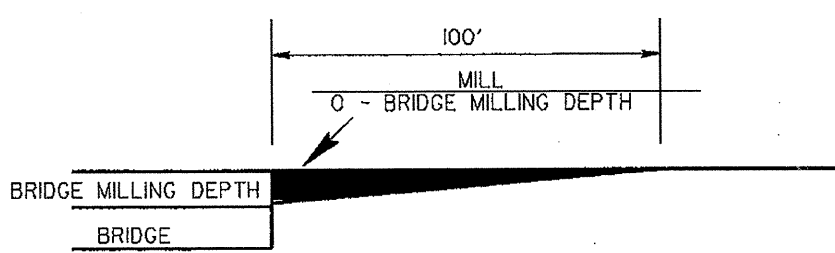
<b>PROJECT NO.</b>	<b>SHEET NO.</b>	<b>TOTAL SHEETS</b>
13CR.11001.11 , 13CR.21001.11	6	



**MILLING DETAIL AT BRIDGE APPROACHES**

**WHERE BRIDGES WILL NOT BE RESURFACED**

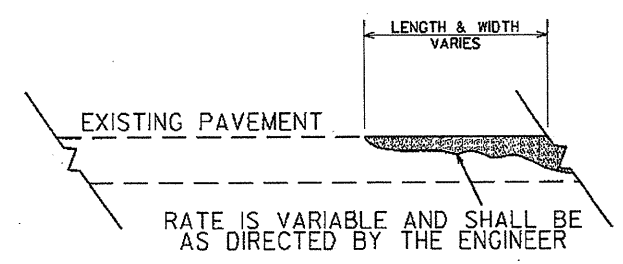
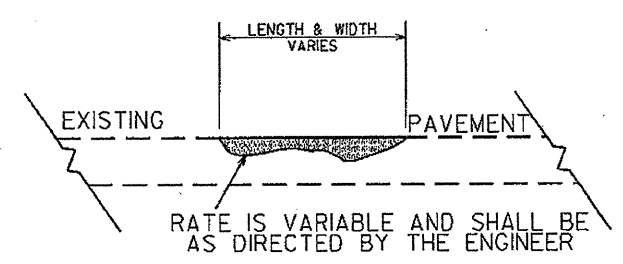
**COST OF BRIDGE APPROACH MILLING IS INCIDENTAL TO OTHER ITEMS**



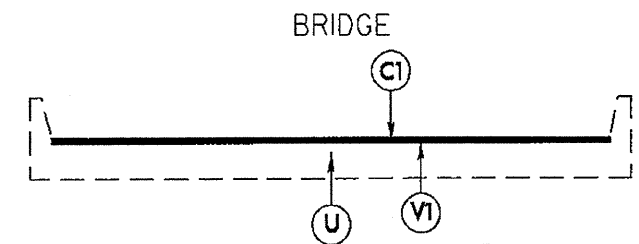
**MILLING DETAIL AT BRIDGE APPROACHES**

**WHERE BRIDGES WILL BE MILLED THEN RESURFACED**

**COST OF BRIDGE APPROACH MILLING IS INCIDENTAL TO OTHER ITEMS**



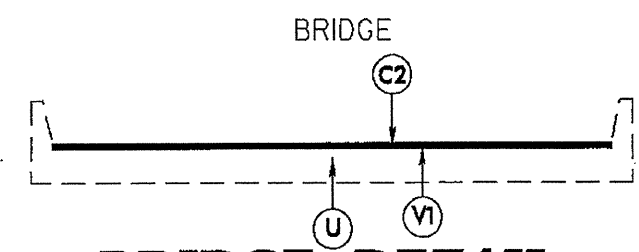
**DETAIL SHOWING METHOD OF WEDGING**



**BRIDGE DETAIL**

**BRIDGE # 18 MAP 1**

**MILL 1 1/2" OFF EXISTING PAVEMENT  
SEE MAPS FOR BRIDGE LOCATION**



**BRIDGE DETAIL**

**BRIDGE # 47 MAP 4 AND  
BRIDGE # 169 MAP 4**

**MILL 1 1/2" OFF EXISTING PAVEMENT  
SEE MAPS FOR BRIDGE LOCATION**

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 188 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 166 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1 1/4" DEPTH



PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.11001.11, 13CR.21001.11	8	

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TON	SHOULDER RECONSTRUCTION SMI	1½" MILLING SY	ASPHALT CONC BASE COURSE, TYPE B25.0B TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT TON	ASPHALT SURFACE TREATMENT, SPLIT SEAL SY	GENERIC PAVING ITEM LATEX MODIFIED MICRO-SURFACING, TYPE III SY
13CR.11001.11	Yancey	1	NC 80 S	FROM SR 1205 (SOUTH TOE RIVER RD.) TO SR 1158 (COLBERTS CR. RD.) MP 2.23 - 5.73	1	NO	NO	3.5	20	175.00	7	85		3,818		229	850		
		2	NC 80 N	FROM US 19E TO MITCHELL COUNTY LINE MP 15.36 - 17.68	2	NO	NO	2.32	19	116.00							300		25,860.30
<b>TOTAL FOR PROJ NO. 13CR.11001.11</b>								<b>5.82</b>		<b>291.00</b>	<b>7</b>	<b>85</b>		<b>3,818</b>		<b>229</b>	<b>1,150</b>		<b>25,860.30</b>
13CR.21001.11	Yancey	3	SR 1336 (JACKS CR. RD.)	FROM US 19E TO SR 1367 (JOHN HENRY RD.) MP 0 - 1.25	3	NO	NO	1.25	19	62.50					1,273	85	1,000		
		4	SR 1416 (CLEARMONT SCHOOL RD.)	FROM SR 1336 (JACKS CREEK RD.) TO NC 197N MP 0 - 1.16	4	NO	NO	1.16	20	58.00		130	1,101		1,243	132	300		
		5	SR 1109 (BOLENS CR. RD.)	FROM NC 197S NORTH TOWARDS BURNSVILLE FOR 1.2 MILES MP 3.745 - 2.545	5	NO	NO	1.2	19	60.00				1,244		75	765		
		6	SR 1419 (POUND MILL RD.)	FROM SR 1416 (CLEARMONT SCHOOL RD.) TO 0.15 MILES SOUTH MP 0 - 0.15	3	NO	NO	0.15	19	7.50					153	10	26		
		7	SR 1326 (CHESTNUT HILL)	FROM SR 1427 TO EOM MP 0 - 0.55	6	NO	NO	0.55	18									5,808	
		8	SR 1327 (THREE QUARTER CR)	FROM SR 1427 TO EOM MP 0 - 1.07	6	NO	NO	1.07	18									11,299	
		9	SR 1371 ( AUNT EFFIE)	FROM SR 1369 TO EOM MP 0 - 0.16	6	NO	NO	0.16	18									1,690	
		10	SR 1365 ( ENGLISH BR )	FROM SR 1336 TO EOM MP 0 - 0.65	6	NO	NO	0.65	18									6,864	
		11	SR 1362 ( CARL FOX )	FROM SR 1336 TO SR 1363 MP 0 - 0.14	6	NO	NO	0.14	18									1,478	
		12	SR 1363 ( CARL FOX )	FROM SR 1362 TO EOM MP 0 - 0.11	6	NO	NO	0.11	18									1,162	
<b>TOTAL FOR PROJ NO. 13CR.21001.11</b>								<b>6.44</b>		<b>188.00</b>	<b>7</b>	<b>130</b>	<b>1,101</b>	<b>1,244</b>	<b>2,669</b>	<b>302</b>	<b>2,091</b>	<b>28,301</b>	
<b>GRAND TOTAL</b>								<b>12.26</b>		<b>479.00</b>	<b>7</b>	<b>215</b>	<b>1,101</b>	<b>5,062</b>	<b>2,669</b>	<b>531</b>	<b>3,241</b>	<b>28,301</b>	<b>25,860.30</b>



PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.11001.11, 13CR.21001.11	9	

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E	4686000000-E	4810000000-E		4835000000-E	4840000000-N	4850000000-E	4905000000-N
							4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	PAINT PAVEMENT MARKING LINES (4") WHITE LF	PAINT PAVEMENT MARKING LINES (4") YELLOW LF	PAINT PAVEMENT MARKING LINES (24") WHITE LF	PAINT PAVEMENT MARKING CHARACTER (SCHOOL) EA	REMOVAL OF PAVEMENT MARKING LINES (4") LF	SNOWPLOWABLE PAVEMENT MARKERS EA
13CR.11001.11	Yancey	1	NC 80 S	FROM SR 1205 (SOUTH TOE RIVER RD.) TO SR 1158 (COLBERTS CR. RD.) MP 2.23 - 5.73	3.5	20	36,960	36,960						347
		2	NC 80 N	FROM US 19E TO MITCHELL COUNTY LINE MP 15.36 - 17.68	2.32	19	24,499	24,499					48,998	230
<b>TOTAL FOR PROJ NO. 13CR.11001.11</b>					<b>5.82</b>		<b>61,459</b>	<b>61,459</b>					<b>48,998</b>	<b>577</b>
13CR.21001.11	Yancey	3	SR 1336 (JACKS CR. RD.)	FROM US 19E TO SR 1367 (JOHN HENRY RD.) MP 0 - 1.25	1.25	19			26,400	26,400				
		4	SR 1416 (CLEARMONT SCHOOL RD.)	FROM SR 1336 (JACKS CREEK RD.) TO NC 197N MP 0 - 1.16	1.16	20			24,499	24,499	40	6		
		5	SR 1109 (BOLENS CR. RD.)	FROM NC 197S NORTH TOWARDS BURNSVILLE FOR 1.2 MILES MP 3.745 - 2.545	1.2	19			25,344	25,344				
		6	SR 1419 (POUND MILL RD.)	FROM SR 1416 (CLEARMONT SCHOOL RD.) TO 0.15 MILES SOUTH MP 0 - 0.15	0.15	19			3,168	3,168				
		7	SR 1326 (CHESTNUT HILL)	FROM SR 1427 TO EOM MP 0 - 0.55	0.55	18								
		8	SR 1327 (THREE QUARTER CR)	FROM SR 1427 TO EOM MP 0 - 1.07	1.07	18								
		9	SR 1371 (AUNT EFFIE)	FROM SR 1369 TO EOM MP 0 - 0.16	0.16	18								
		10	SR 1365 (ENGLISH BR)	FROM SR 1336 TO EOM MP 0 - 0.65	0.65	18								
		11	SR 1362 (CARL FOX)	FROM SR 1336 TO SR 1363 MP 0 - 0.14	0.14	18								
		12	SR 1363 (CARL FOX)	FROM SR 1362 TO EOM MP 0 - 0.11	0.11	18								
<b>TOTAL FOR PROJ NO. 13CR.21001.11</b>					<b>6.44</b>				<b>79,411</b>	<b>79,411</b>	<b>40</b>	<b>6</b>		
<b>TOTAL FOR PROJ NO. 13CR.21001.11</b>									<b>158,822</b>					
<b>GRAND TOTAL</b>					<b>12.26</b>		<b>61,459</b>	<b>61,459</b>	<b>79,411</b>	<b>79,411</b>	<b>40</b>	<b>6</b>	<b>48,998</b>	<b>577</b>
<b>GRAND TOTAL</b>									<b>158,822</b>					