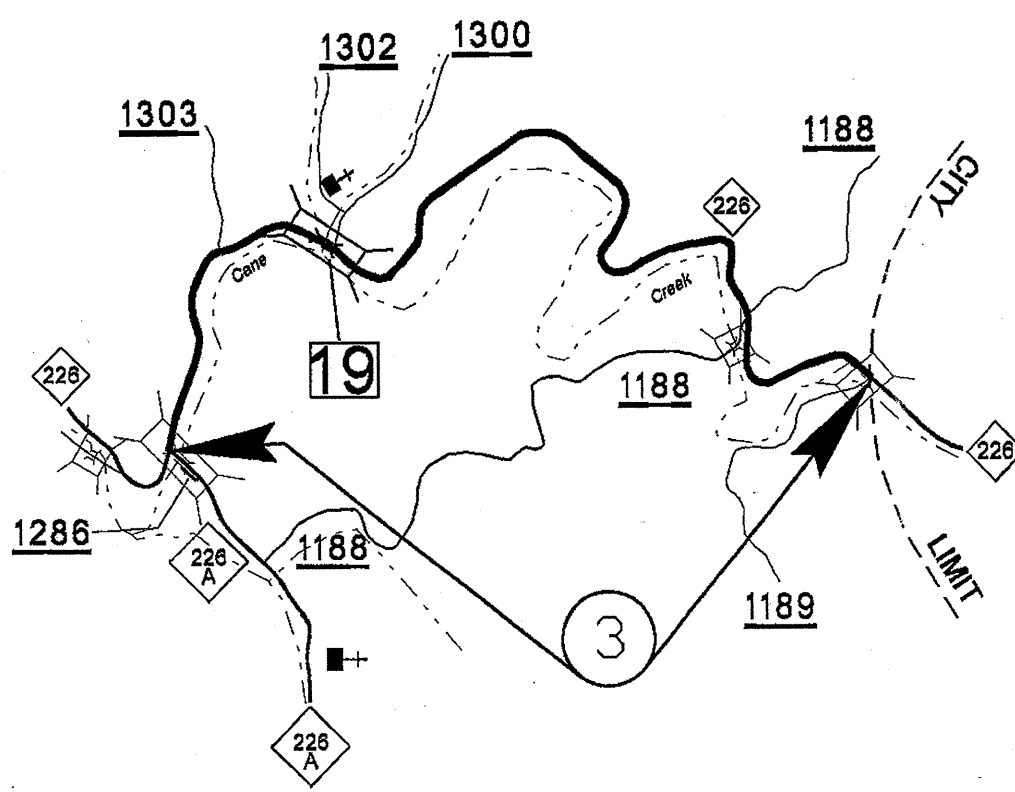
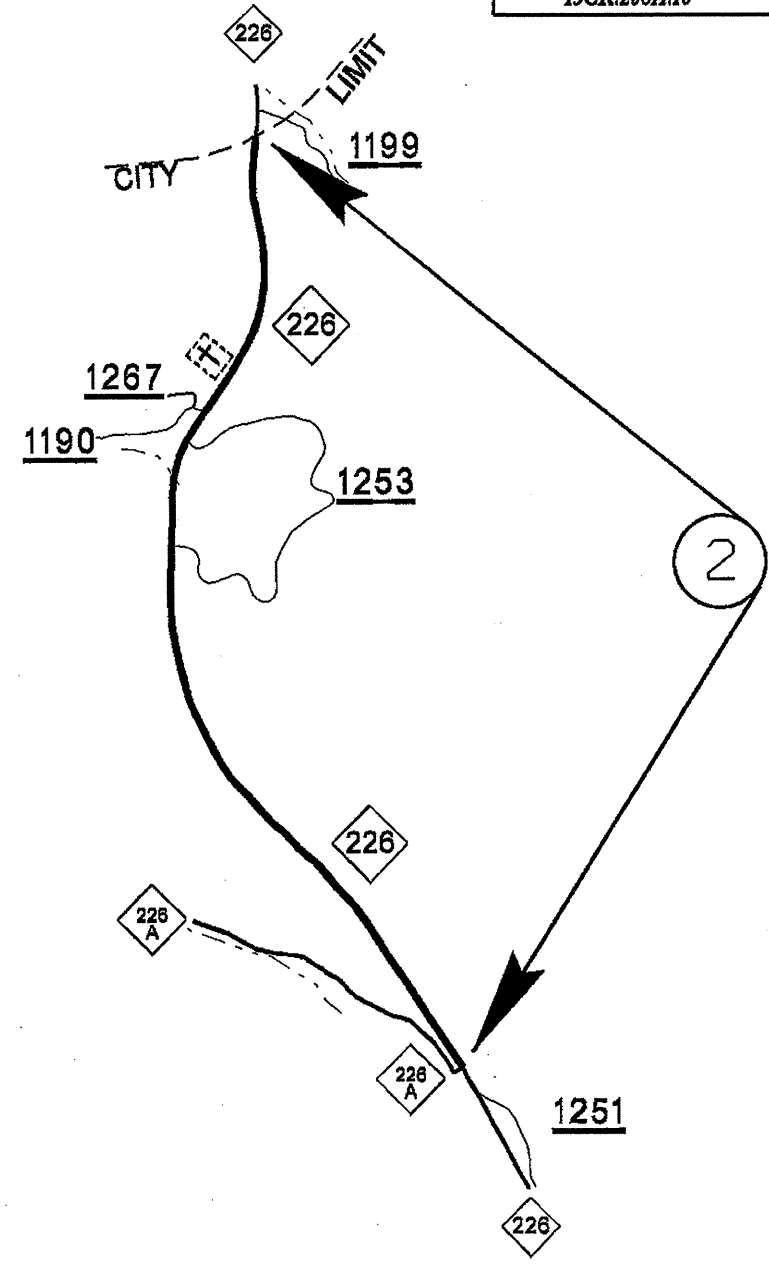
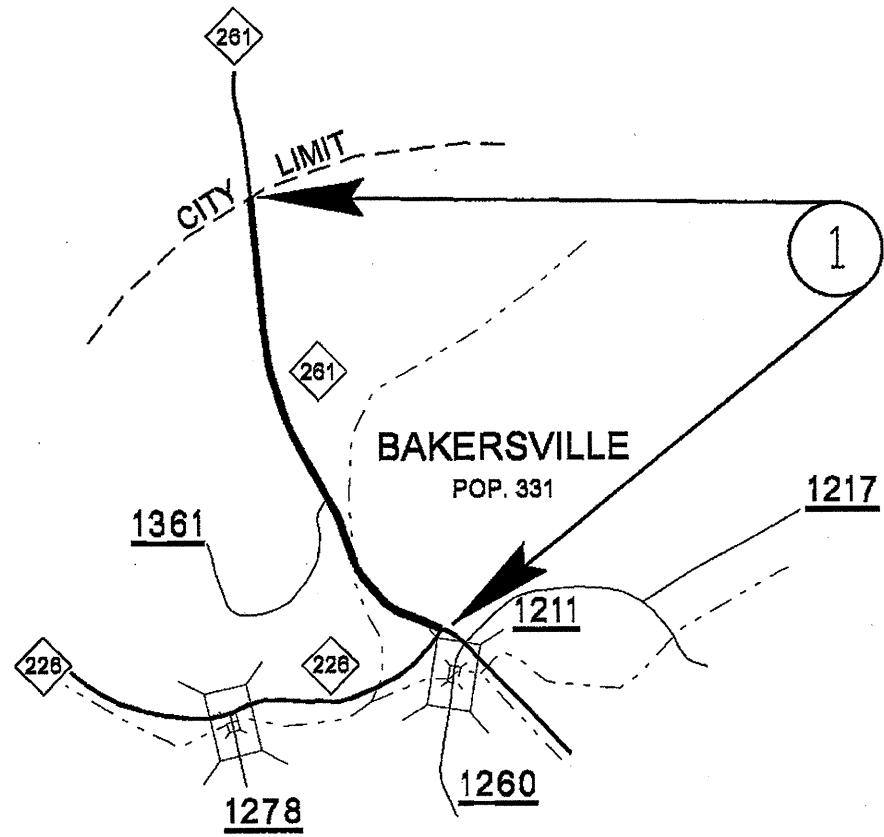
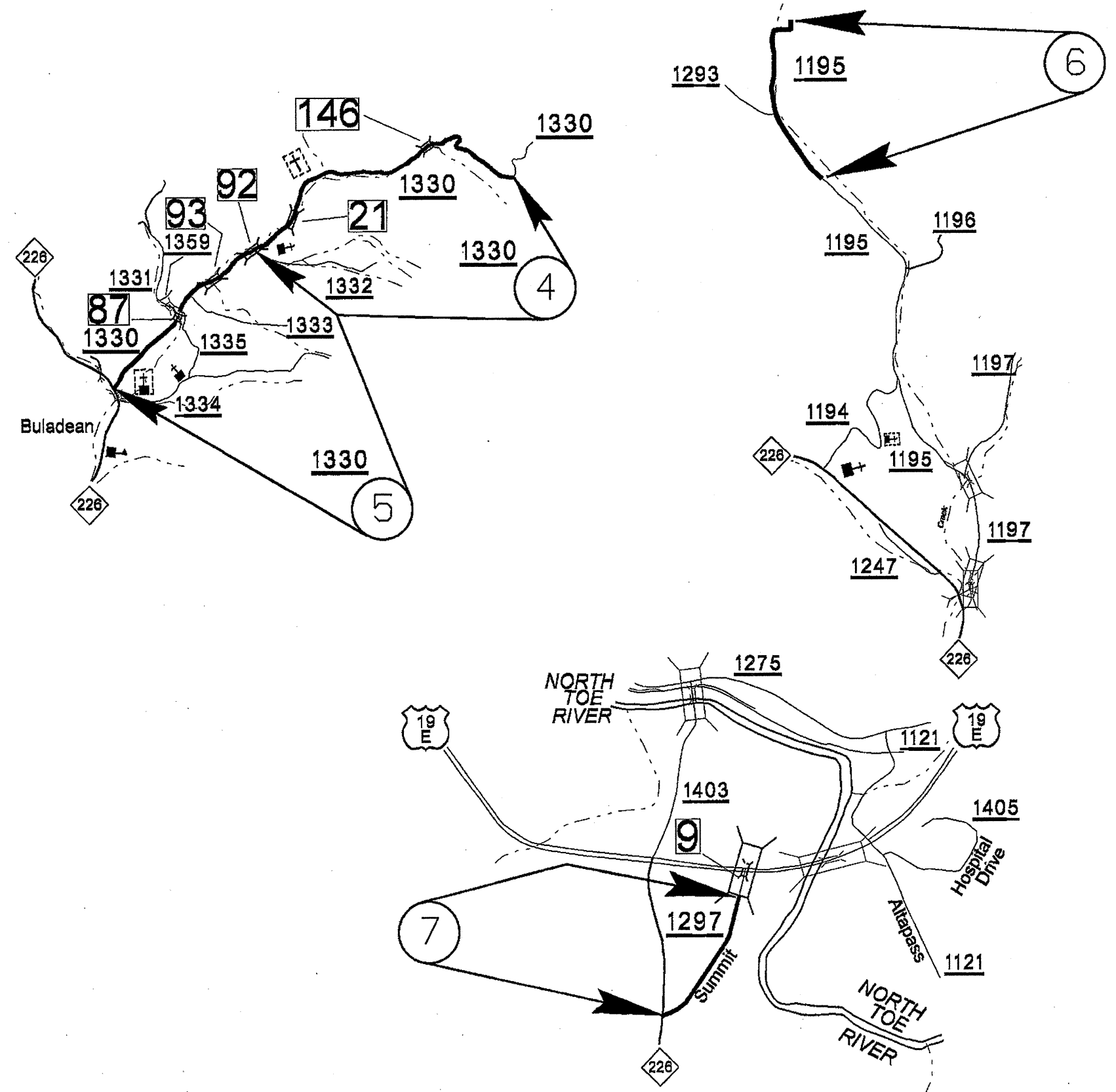


PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10611.12, 13CR.20611.10	1	



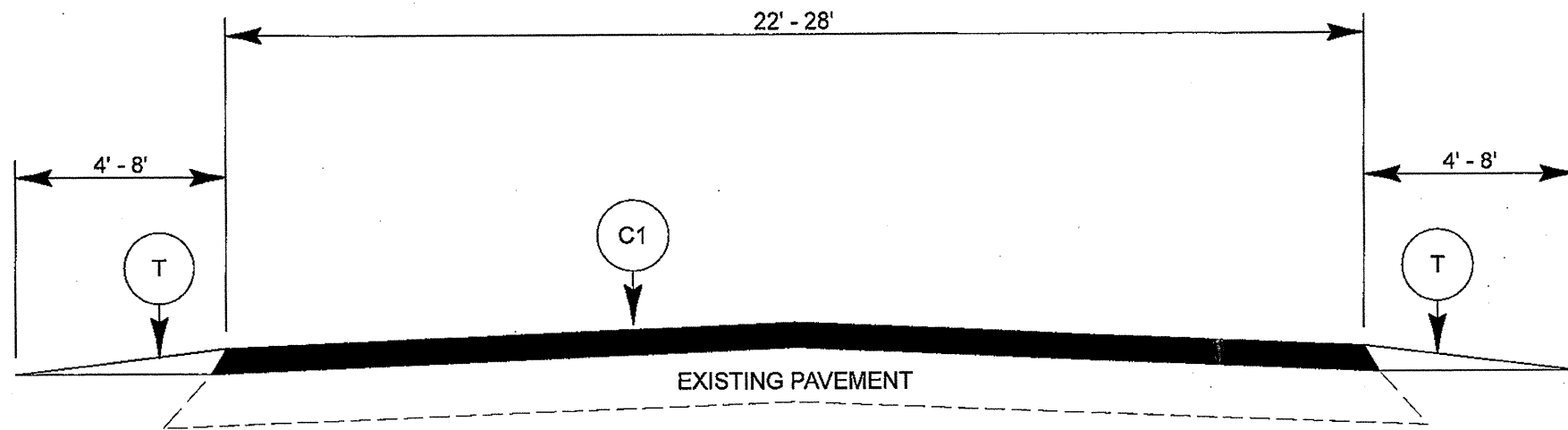
MITCHELL COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10611.12, 13CR.20611.10	2	

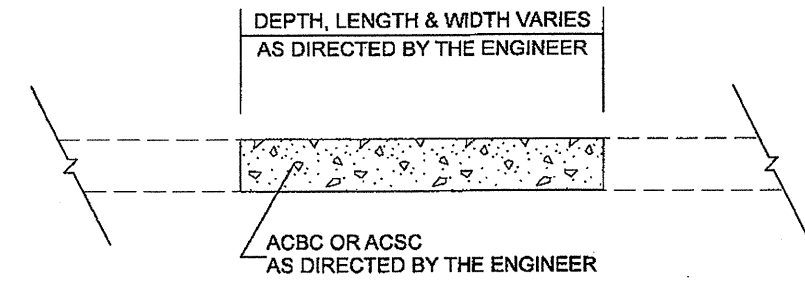


MITCHELL COUNTY

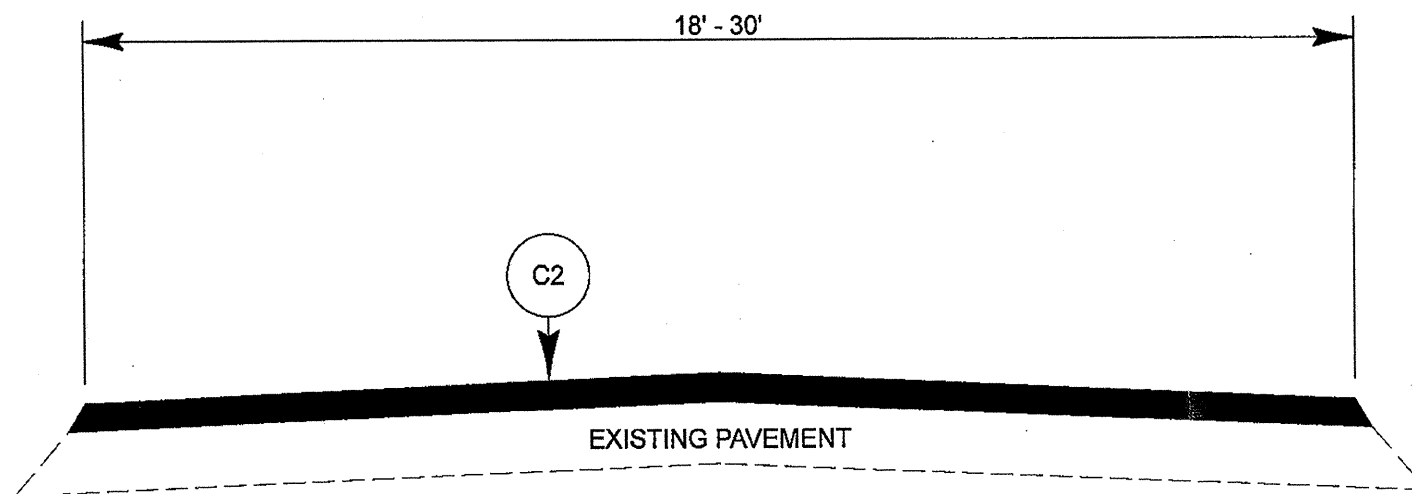
PROJECT NO. 13CR.10611.12, 13CR.20611.10	SHEET NO. 3	TOTAL SHEETS
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TYPICAL SECTION NO. 1



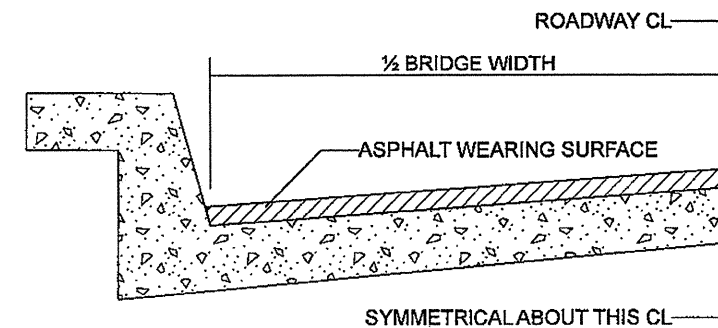
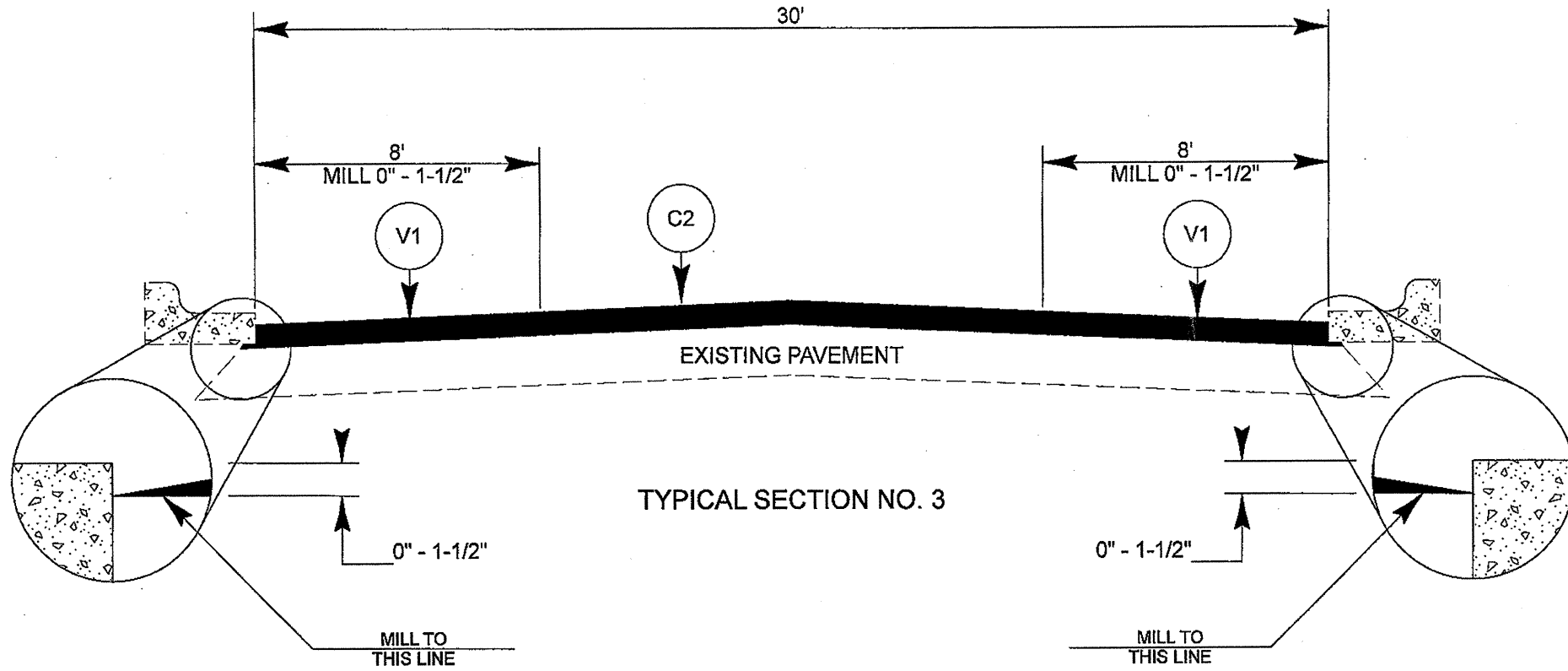
PATCHING EXISTING PAVEMENT



TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
T	SHOULDER RECONSTRUCTION
V1	MILLING ASPHALT PAVEMENT, 0" TO 1-1/2" DEPTH

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10611.12, 13CR.20611.10	4	



BRIDGE HALF TYPICAL SECTION

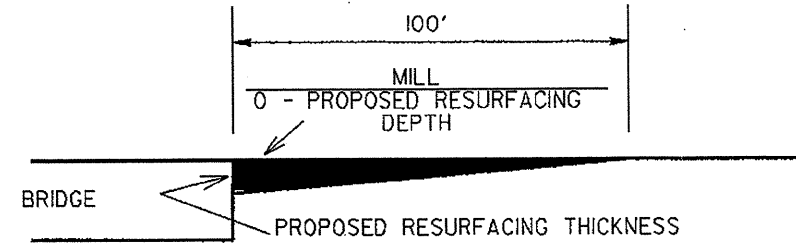
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. 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 1/4", 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

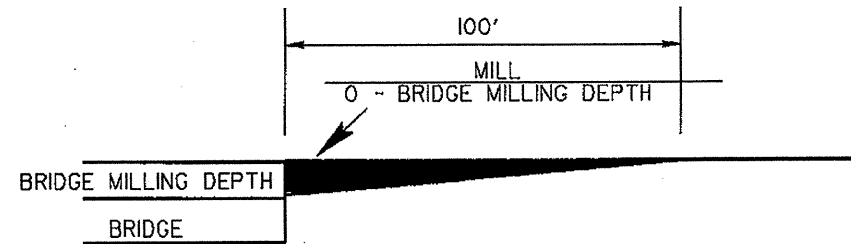
ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT. ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADI, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 SHOULDERS AND DITCHES ARE TO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

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10611.12, 13CR.20611.10	5	



MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGES WILL NOT BE RESURFACED

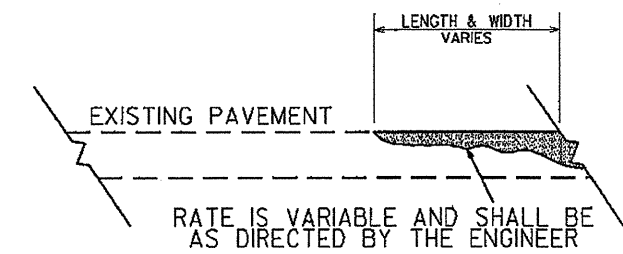
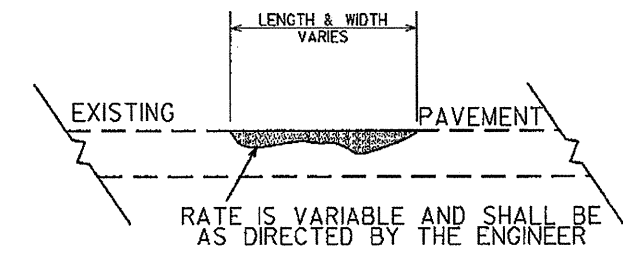
COST OF BRIDGE APPROACH MILLING IS INCIDENTAL TO OTHER ITEMS



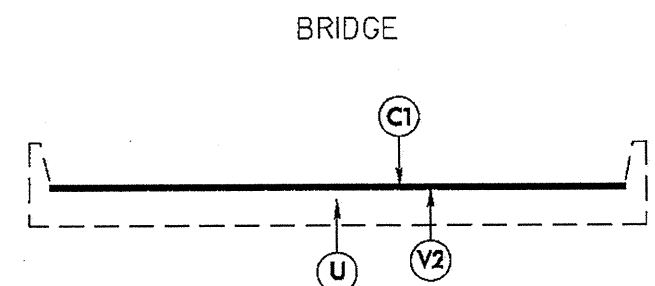
MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL BE MILLED THEN RESURFACED

COST OF BRIDGE APPROACH MILLING IS INCIDENTAL TO OTHER ITEMS

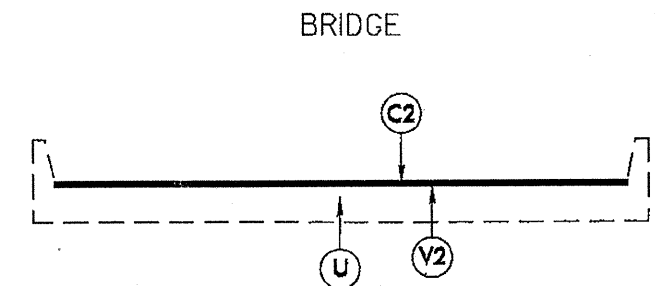


DETAIL SHOWING
METHOD OF WEDGING



BRIDGE DETAIL

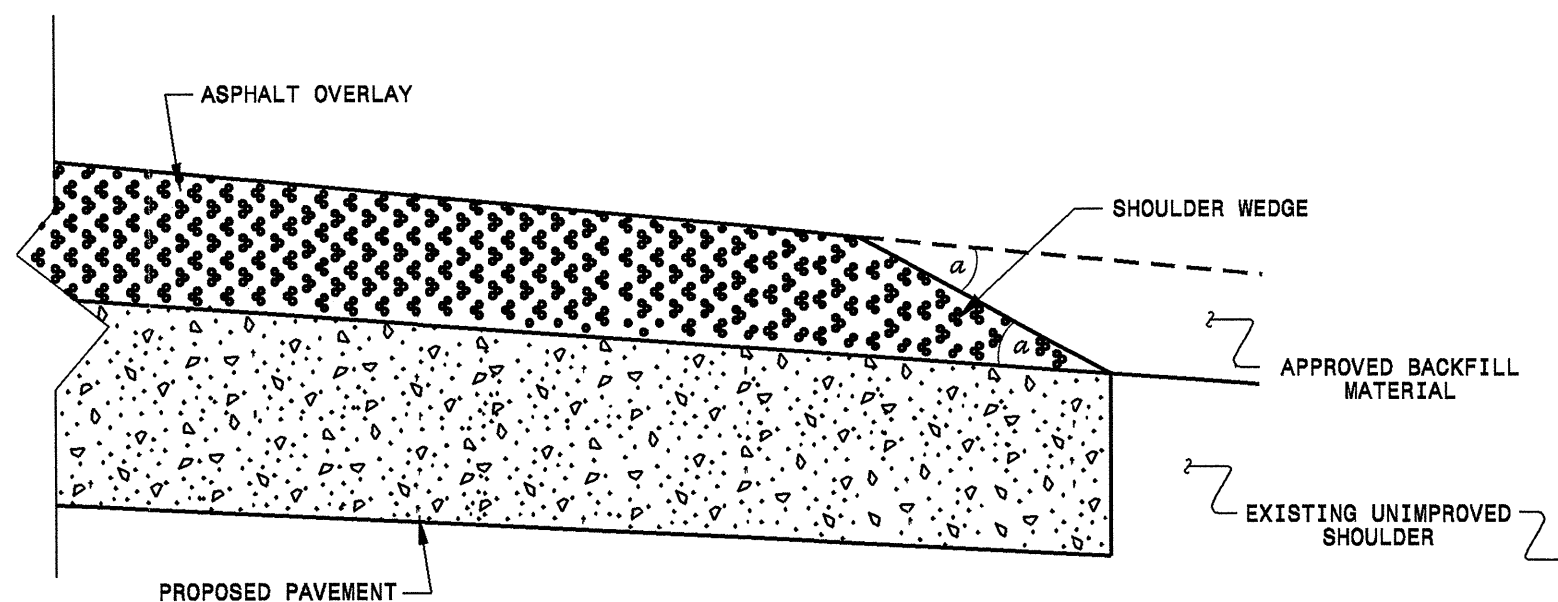
BRIDGE #19 MAP 3
MILL 1/2" OF EXISTING PAVEMENT
SEE MAPS FOR BRIDGE LOCATION



BRIDGE DETAIL

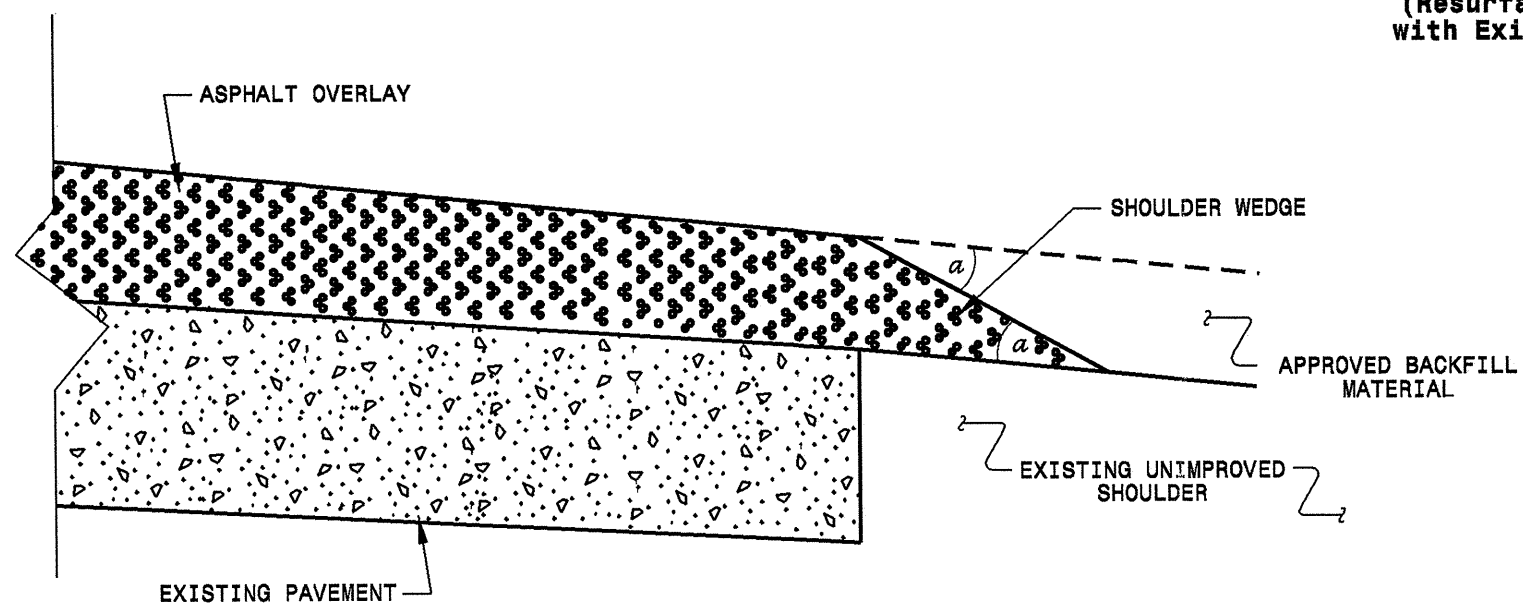
BRIDGE #21 MAP 4
MILL 1/2" OF EXISTING PAVEMENT
SEE MAPS FOR BRIDGE LOCATION

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 166 LBS. PER SQ. YARD
U	EXISTING PAVEMENT
V2	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder > 2 ft.)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)

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

a - SHOULDER WEDGE ANGLE = 30°

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

SHOULDER WEDGE DETAILS

ORIGINAL BY: T.BPELL	DATE: 7-18-11
MODIFIED BY:	DATE: 10/18/12
CHECKED BY:	DATE:
FILE SPEC.: s:\user\details\stand\shoulderwedge\std1.dgn	

PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.10611.12, 13CR.20611.10	7	7

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	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH SY	MILLING ASPHALT PAVEMENT, 0" TO 1-1/2" DEPTH SY	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	ADJUSTMENT OF MANHOLES EA
13CR.10611.12	Mitchell	1	NC 261	FROM NC 226 TO NCL BAKERSVILLE (MP 0.00 TO MP 0.55)	1	NO	NO	0.55	22	27.50	1.10			660		40	300	1
		2	NC 226	FROM NC 226A TO SCL BAKERSVILLE (MP 12.03 TO MP 14.35)	1	NO	NO	2.32	28	116.00	4.64			3,537		212	900	
		3	NC 226	FROM WCL BAKERSVILLE TO NC 226A (MP 15.48 TO MP 17.46)	1	NO	NO	1.98	22	99.00	3.96	47		2,375		142	900	
TOTAL FOR PROJ NO. 13CR.10611.12								4.85		242.50	9.70	47		6,572		394	2,100	1
13CR.20611.10	Mitchell	4	SR 1330	FROM SR 1332 TO PVMT CHANGE APPROX. 1.87 MILES (MP 1.42 TO MP 3.29)	2	NO	NO	1.87	18	93.50		120			1,805	121		
		5	SR 1330	FROM NC 226 TO SR 1332 (MP 0.00 TO MP 1.42)	2	NO	NO	1.42	18	71.00					1,370	92		
		6	SR 1195	FROM PVMT CHANGE TO EOM (MP 1.28 TO MP 1.85)	2	NO	NO	0.57	18	28.50					550	37		
		7	SR 1297	FROM NC 226 TO BRIDGE #9 (MP 0.00 TO MP 0.42)	2,3	NO	NO	0.42	30	21.00			800		674	45		1
TOTAL FOR PROJ NO. 13CR.20611.10								4.28		214.00		120	800		4,399	295		1
GRAND TOTAL								9.13		456.50	9.70	167	800	6,572	4,399	689	2,100	2

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LEN GTH	WIDTH	4685000000-E	4686000000-E	4710000000-E	4721000000-E	4725000000-E		4810000000-E		4905000000-N
							THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS) WHITE LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS) YELLOW LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) WHITE LF	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS, SCHOOL) EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS, LT ARROW) EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS, RT ARROW) EA	PAINT PAVEMENT MARKING LINES (4") WHITE LF	PAINT PAVEMENT MARKING LINES (4") YELLOW LF	SNOWPLOWABLE PAVEMENT MARKERS EA
13CR.10611.12	Mitchell	1	NC 261	FROM NC 226 TO NCL BAKERSVILLE (MP 0.00 TO MP 0.55)	0.6	22	5,808	5,808							72
		2	NC 226	FROM NC 226A TO SCL BAKERSVILLE (MP 12.03 TO MP 14.35)	2.3	28	24,499	24,499	24	6					306
		3	NC 226	FROM WCL BAKERSVILLE TO NC 226A (MP 15.48 TO MP 17.46)	2	22	20,909	20,909							261
TOTAL FOR PROJ NO. 13CR.10611.12					4.9		51,216	51,216	24	6					639
13CR.20611.10	Mitchell	4	SR 1330	FROM SR 1332 TO PVMT CHANGE APPROX. 1.87 MILES (MP 1.42 TO MP 3.29)	1.9	18							39,494	39,494	
		5	SR 1330	FROM NC 226 TO SR 1332 (MP 0.00 TO MP 1.42)	1.4	18							29,990	29,990	
		6	SR 1195	FROM PVMT CHANGE TO EOM (MP 1.28 TO MP 1.85)	0.6	18							12,038	12,038	
		7	SR 1297	FROM NC 226 TO BRIDGE #9 (MP 0.00 TO MP 0.42)	0.4	30					2	2	8,870	8,870	
TOTAL FOR PROJ NO. 13CR.20611.10					4.3						2	2	90,392	90,392	
GRAND TOTAL					9.1		51,216	51,216	24	6	2	2	90,392	90,392	639