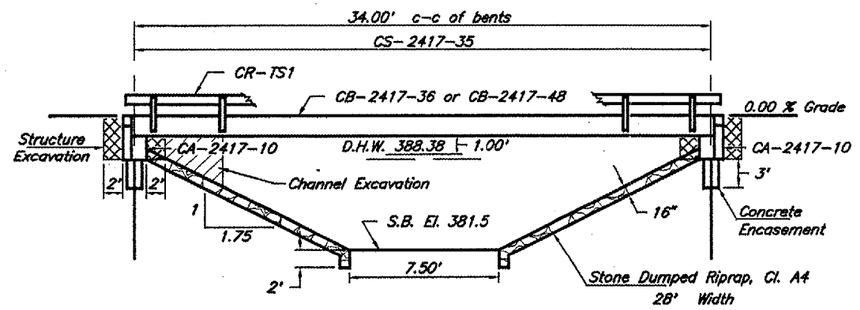
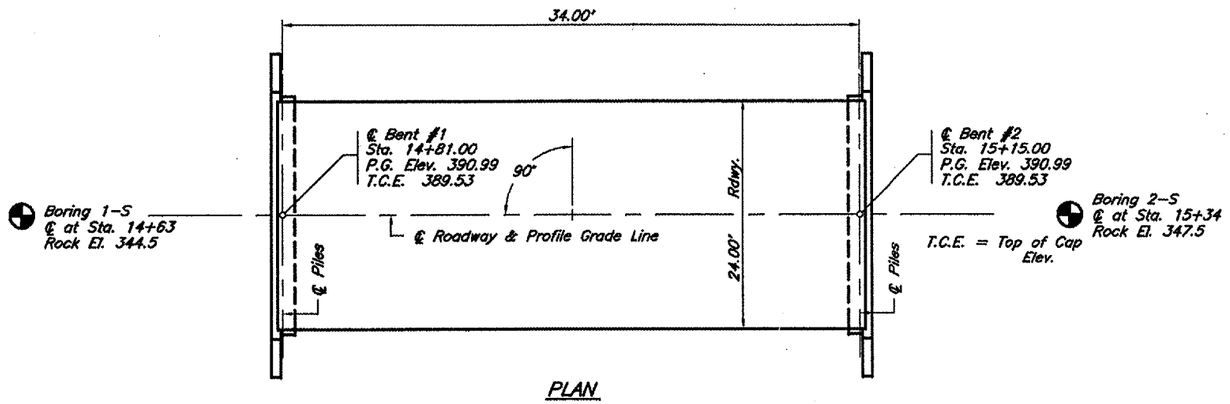
B.M. – Center of the Manhole Cover
19' Rt. of Station 15+24
Assumed Elev. 388.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 328	02-05115-00-BR	JACKSON	11	3
PROJECT NO.	BROS-077(39)		CONTRACT NO.	99243



ELEVATION

Existing Structure – Concrete deck with concrete parapets on closed concrete abutments 16.1'W x 26.0'L



PLAN

GENERAL NOTES

1. Steel H piles shall meet AASHTO M270 Grade 50 specifications.
2. Test Piles shall be driven to 110% of the Nominal Required Bearing indicated in the pile data.
3. The Contractor shall drive one test pile, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
4. See special provisions for boring logs.
5. A Corrosion inhibitor, as covered in the Standard Specifications, shall be used in the precast prestressed concrete deck beams.
6. The Bituminous Concrete Surface Course and the Waterproofing Membrane System shown on the plans shall not be provided.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub. Piers	Sub. Abuts.	Total
Removal of Existing Structures	Each				1
Concrete Structures	Cu. Yds.			16.6	16.6
P.P. Conc. Dk. Bm. 17" Dp.	Sq. Ft.	840			840
Steel Railing, Type S1	Foot	70			70
Reinforcement Bars	Pound			2220	2220
Furnishing Steel Piles HP10X42	Foot			309	309
Driving Piles	Foot			309	309
Test Pile Steel HP10X42	Each			1	1
Concrete Encasement	Cu. Yds.			2.1	2.1
Name Plates	Each			1	1
Structure Excavation	Cu. Yds.			34	34
Channel Excavation	Cu. Yds.			8	8
Stone Dumped Riprap, Class A4	Tons			97	97

TRIBUTARY TO LITTLE MUDDY RIVER
SEC. 02-05115-00-BR BUILT 20___

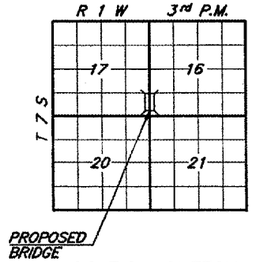
JACKSON COUNTY
LOADING HS20
STR. NO. 039-3260

LETTERING FOR NAME PLATE

Locate Name Plate at southeast Corner of Bridge (See Std. CN)

PILE DATA (2-ABUTS.)

Type & Size : HP10X42
Nominal Required Bearing : 333 kips
Allowable Resistance Available : Refusal
Estimated Length : 45 Feet Bent #1, 43 Feet Bent #2
Number Required : 8 (Includes 1 Test Pile located in Bent #2)



LOCATION SKETCH

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications – 17th ed.

LOADING HS20-44

Allow 25#/sq. ft. for future wearing surface

SEISMIC DATA

Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 12.0%
Site Coefficient (S) = 1.0

WATERWAY INFORMATION

Drainage Area = 1.420 Sq. Mi. Low Grade Elev. = 386.92 At Sta. 12+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Natural H.W.E.	Head-Ft. Exist.	Head-Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	15	537	133.8*	134.3	388.38	0.00	0.00	388.38	388.38
Base	100	835	136.7*	150.0	388.88	0.00	0.72	388.88	389.60
Overtopping	2+	245	98.8		386.92	0.00		386.92	
Max. Calc.	500	1072		158.9	389.16		1.54		390.70

Over the road flow area Exist. $Q_{(15)}$ 552.7 $Q_{(100)}$ 879.4
Note: No over road flow used in calculations for the proposed structure to allow for future raising of the approach roadways.

GENERAL PLAN & ELEVATION
TOWNSHIP ROUTE 328
TRIBUTARY TO LITTLE MUDDY RIVER
SECTION 02-05115-00-BR
JACKSON COUNTY
STATION 14+98