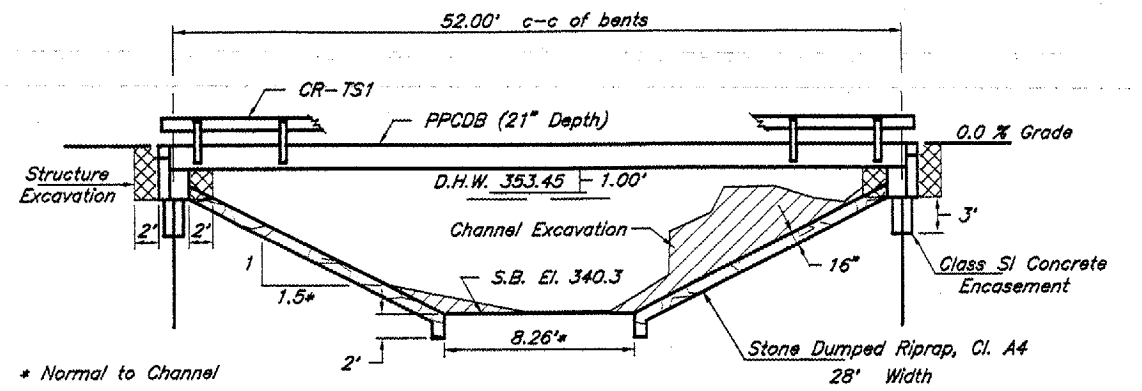


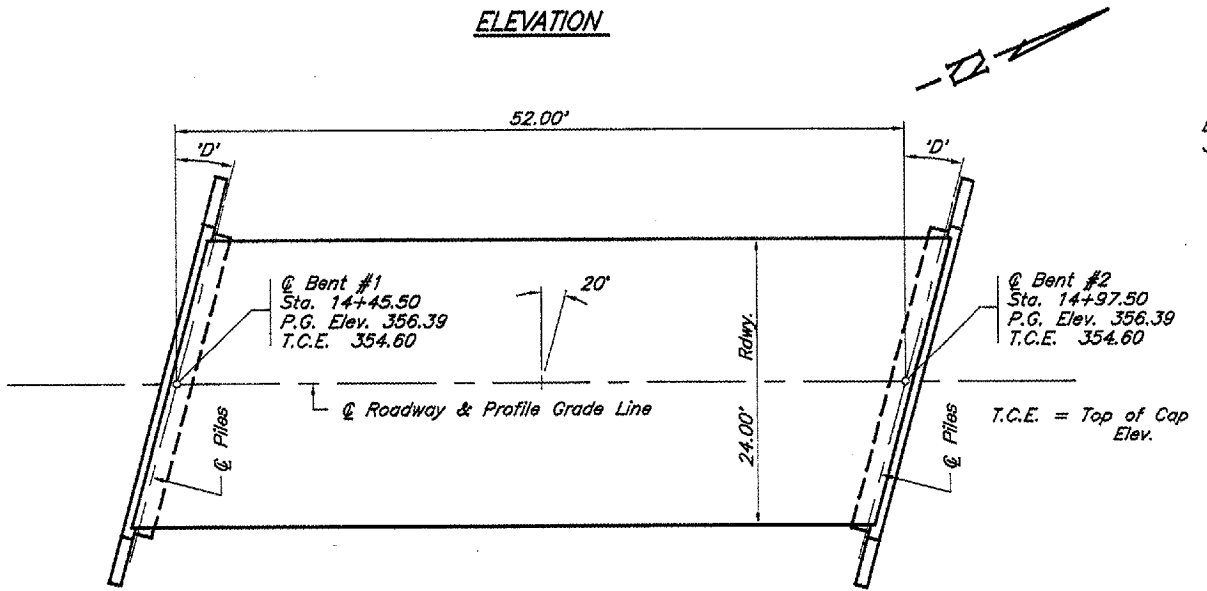
B.M. - RR Spike in 34" Oak Tree  
65' Lt. of Sta. 14+56  
Elev. 361.36 (USGS)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 1	02-01176-00-BR	PULASKI	10	3
PROJECT NO. BROS-153(27)			CONTRACT NO. 99230	



ELEVATION

Existing Structure - Timber deck with steel stringers on closed timber abutments 13'W x 60'L



PLAN

Skew Angle "D" = 20' Left Forward

Boring 1-S  
30' Lt. Sta. 15+27

GENERAL NOTES

- The Contractor shall drive one test pile, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
- See special provisions for boring logs.
- The Article or Section numbers referencing the Standard Specifications for Road and Bridge Construction as shown on the standard bridge plan sheets included with the contract plans should be interpreted as referring to the current edition of the Standard Specifications (Adopted January 1, 2002) as shown in the "Article/Section No. Reference Table".

ARTICLE/SECTION NO. REFERENCE TABLE

Previous No.	Current No.
504.06	504.06
505.04	505.04
706.05	1006.05
706.32	1006.32
760.07	1060.07

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	Each				1
Concrete Structures	Cu. Yds.			20.4	20.4
P.P. Conc. Dk. Brn. 21" Dp.	Sq. Ft.	1270			1270
Steel Railing, Type S1	Foot	106			106
Reinforcement Bars	Pound			2080	2080
Furnishing Metal Pile Shells 12"	Foot			539	539
Driving and Filling Shells	Foot			539	539
Test Pile Metal Shells	Each			1	1
Glass SI Concrete Encasement	Cu. Yds.			2.1	2.1
Name Plates	Each			1	1
Structure Excavation	Cu. Yds.			24	24
Channel Excavation	Cu. Yds.			111	111
Stone Dumped Riprap, Class A4	Tons			137	137

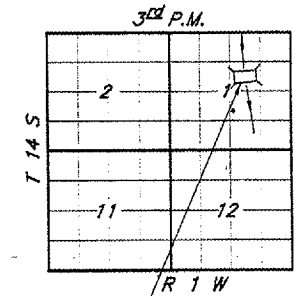
PILE DATA (2-ABUTS.)

Type	Metal Pile Shells 12"
Capacity	38 Tons
Estimated Length	77 Feet
Number Required	8 (Includes 1 Test Pile located in Bent #1)

LITTLE CREEK  
SEC. 02-01176-00-BR BUILT 20\_\_\_\_  
COUNTY UNIT ROAD DISTRICT  
PULASKI COUNTY  
LOADING HS20  
STR. NO. 077-3138

LETTERING FOR NAME PLATE

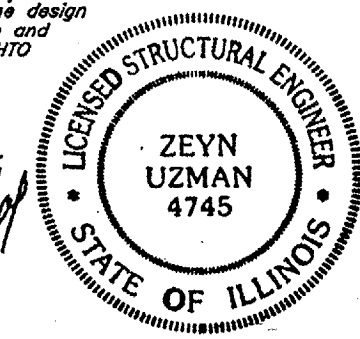
Locate Name Plate at southeast Corner of Bridge (See Std. CN)



LOCATION SKETCH

"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges."

Zeyn B. Uzman  
S.E. #81-4745  
Expires Nov. 30, 2004



DESIGN SPECIFICATIONS

1996 AASHTO & Interims  
HS 20-44 Loading. Load Factor Design.

WATERWAY INFORMATION

Drainage Area = 11.84 Sq. Mi.		Low Grade Elev. = 355.24		At Sta. 19+00		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Natural H.W.E. Exist. Prop.	Head-Ft. Exist. Prop.	Headwater El. Exist. Prop.
Design	15	3464	361.2 367.7	353.45	0.43 0.31	353.88 353.76
Base	100	5419	478.7* 414.1*	355.78	0.00 0.01	355.78 355.79
Overtopping	±31	4206		414.1 354.57		0.67 355.24
Max. Calc.	500					

\* Over road flow area  
Exist 1328 SF  
Prop 1333 SF

GENERAL PLAN & ELEVATION  
TOWNSHIP ROUTE 1  
LITTLE CREEK  
SECTION 02-01176-00-BR  
PULASKI COUNTY  
STATION 14+71.50