RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 248	00-05120-00-BR	FAYETTE	14	4
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO.		

95389

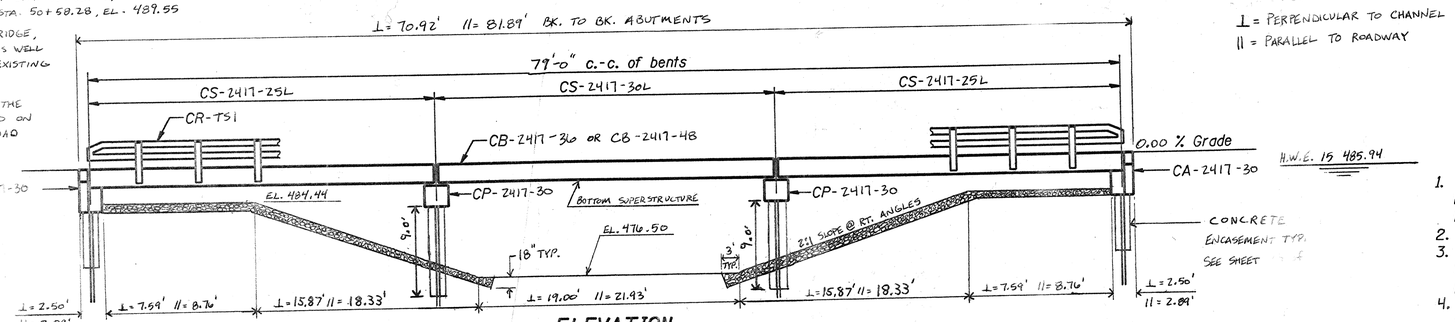
B.M. - #1 R.R. SPIKE IN POWER POLE, 18.02' RT. STA. 48+88.64, EL. 487.96
#2 R.R. SPIKE IN 50" TREE, 82.60' LT. STA. 50+58.28, EL. 489.55

Existing Structure - THREE-SPAN STEEL BEAM BRIDGE, TIMBER DECK, CONCRETE ABUTMENTS, AS WELL AS TIMBER PIERS AND PIER CAPS. EXISTING STRUCTURE NO. 026-3102

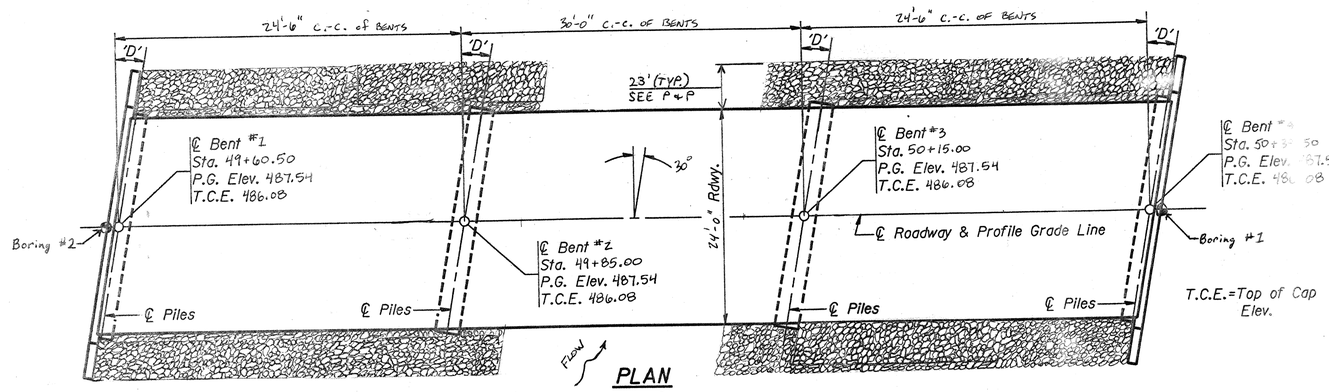
Salvage - MATERIAL DEEMED SALVAGABLE BY THE ENGINEER. MATERIAL SHALL BE STORED ON THE R.O.W. FOR REMOVAL BY THE ROAD DISTRICT.

H.W.E. 100 487.56

⊥ = PERPENDICULAR TO CHANNEL
|| = PARALLEL TO ROADWAY



ELEVATION



PLAN

Skew Angle 'D' = 30° Left Forward

N

GENERAL NOTES

1. The Contractor shall drive 2 test piles, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
2. See Special Provisions for boring logs.
3. A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
4. The Waterproofing Membrane System and Bituminous Concrete Surface Course shown on the Standards shall not be Provided.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub. Piers	Sub. Abuts.	Total
Removal of Existing Structures	Each	-	-	-	1
~~Bituminous Concrete Surface Course, Class I~~	~~Ton~~	-	-	-	-
~~Waterproofing Membrane System~~	~~Sq. Yd.~~	-	-	-	-
Concrete Structures	Cu. Yd.		14.2	19.4	33.6
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1920	-	-	1920
~~Steel Bridge Rail, Type SM~~	~~Foot~~	-	-	-	-
Steel Railing, Type S-1	Foot	160	-	-	160
Reinforcement Bars	Pound	-	1700	2160	3860
Furnishing Steel Piles HP10x42	Foot	-	301	299	600
Driving Steel Piles HP10x42	Foot	-	301	299	600
Test Piles Steel HP10x42	Each	-	1	1	2
Name Plates	Each	-	-	1	1
~~Class SI~~ Concrete Encasement	Cu. Yd.	-	6.2	2.1	8.3

INDEX OF SHEETS

4. General Plan & Elevation
5. Standard CS-2417-25L
6. Standard CS-2417-30L
7. Standard CB-2417-36
8. Standard CB-2417-48
9. Standard CA-2417-30
10. Standard CP-2417-30
11. Standard CR-T51
12. Standard CN
13. Standard CX-1

NOTE:
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 Specification (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

PILE DATA (2-PIERS)

Type HP10x42
Capacity Driven To Refusal
Estimated Length 43 Feet
Number Required 8 (Includes 1 Test Pile located in Bent #2)

PILE DATA (2-ABUTS.)

Type HP10x42
Capacity Driven To Refusal
Estimated Length 41 Feet South Abut., 45 Feet North Abut.
Number Required 8 (Includes 1 Test Pile located in Bent #4)

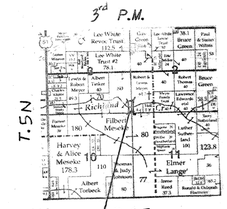
DESIGN SPECIFICATIONS

2002 AASHTO, 17th EDITION
HS20-44 Loading. Load Factor Design.

STATION 50+00
RICHLAND CREEK
SEC. 00-005120-00-BR BUILT 20__
PROJECT NO. BROS-05(165)
FAYETTE COUNTY
LOADING HS20
STR. NO. 026-3421

LETTERING FOR NAME PLATE

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



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 11.21 sq. mi. Low Grade Elev. = 485.47 @ Sta. 51+04.25

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	15	2118	258	343	485.94	-	0.30	-	486.24
Base	100	3398	258	343	487.56	-	0.56	-	488.12
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	-	-	-	-	-	-	-	-

GENERAL PLAN & ELEVATION
TR ROUTE 248
OVER RICHLAND CREEK
SECTION 00-05120-00-BR
FAYETTE COUNTY
STATION 50+00

GP-3L (11-1-95)