

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

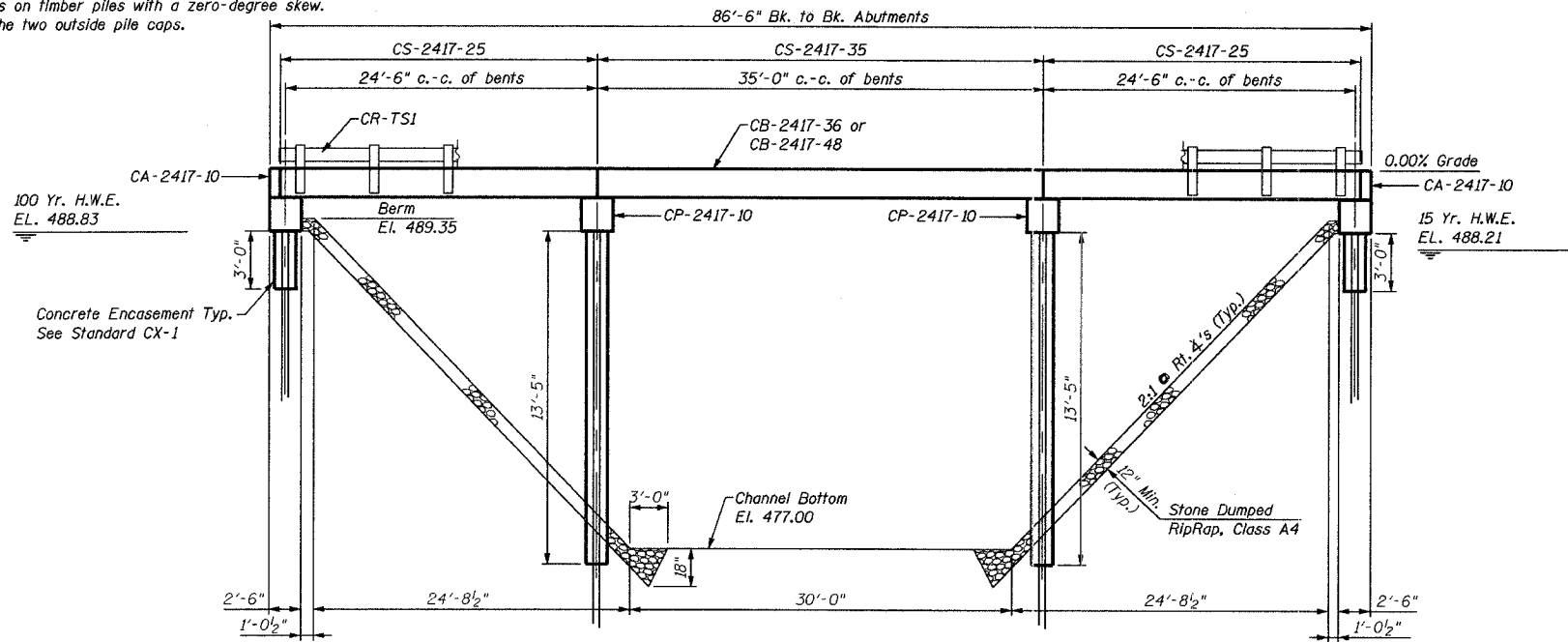
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 274	03-10120-00-BR 03-18116-00-BR	FAYETTE	14	4
FED. ROAD DIST. NO.		ILLINOIS PROJECT	Contract No. 95427	

B.M. - B.M. #1 R.R. spike in power pole, 22' Lt. Sta. 48+10, EL. 488.23
B.M. #2 R.R. spike in power pole, 25' Lt. Sta. 51+07, EL. 490.61

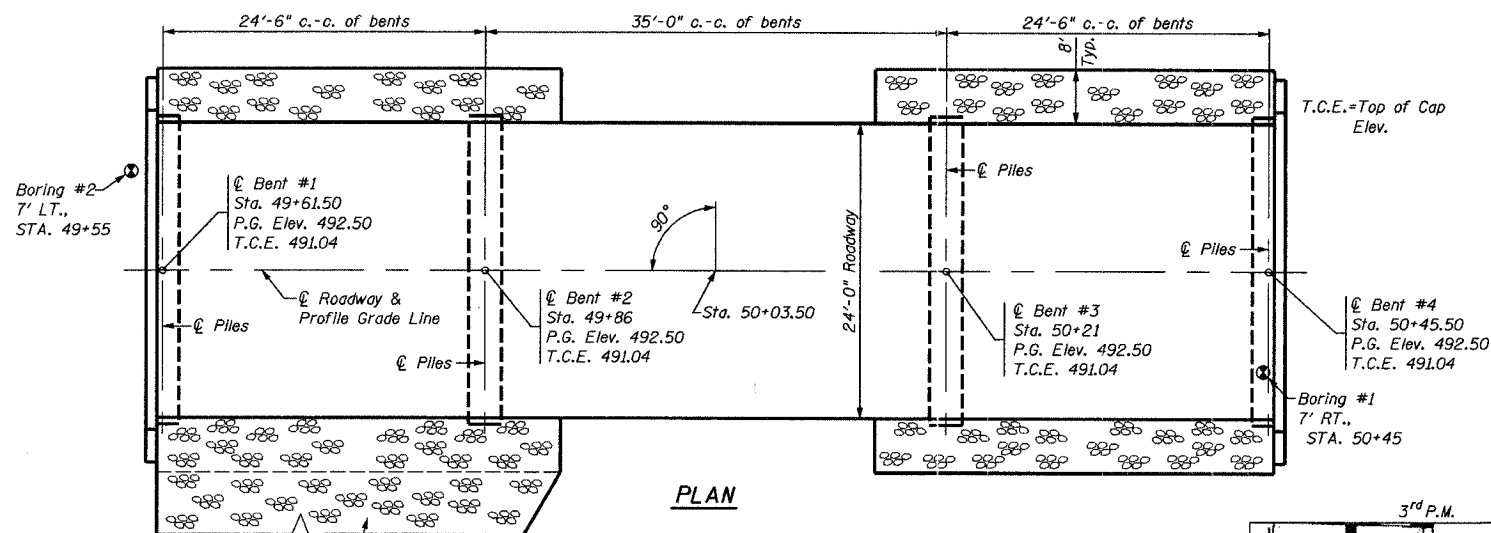
Existing Structure - The existing structure is a two span structure with a reinforced precast concrete beam superstructure. The substructure consists of three concrete pile caps on timber piles with a zero-degree skew. Timber backing exists at the two outside pile caps.

Salvage - None

Utilities - Overhead Electric



ELEVATION



PLAN

GENERAL NOTES

- The contractor shall drive 1 test pile, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
- See Special Provisions for boring logs.
- A Calcium Nitrite Corrosion inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
- 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.		Total
			Piers	Abuts.	
Removal of Existing Structures	Each	-	-	-	1
Concrete Structures	Cu. Yd.	-	12.0	-	28.6
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	2040	-	-	2040
Steel Railing, Type S-1	Foot	170	-	-	170
Reinforcement Bars	Pound	-	1320	1720	3040
Furnishing Steel Piles HP10x42	Foot	-	392	305	697
Driving Steel Piles	Foot	-	392	305	697
Test Pile Steel HP10x42	Each	-	-	1	1
Name Plates	Each	-	-	1	1
Concrete Encasement	Cu. Yd.	-	9.2	2.1	11.3

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2417-25
- Standard CS-2417-35
- Standard CB-2417-36
- Standard CB-2417-48
- Standard CA-2417-10
- Standard CP-2417-10
- Standard CR-TS1
- Standard CN
- 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 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-ABUTS.)

Type: Steel Piles, HP10x42
Capacity: 38 Tons (Includes 150% of Max. Pile Load for H-Pile in Friction)
Estimated Length: 47 Feet Bent #1, 41 Feet Bent #4
Number Required: 8 (Includes 1 Test Pile located in Bent #1)

PILE DATA (2-PIERS)

Type: Steel Piles, HP10x42
Capacity: Drive to Refusal
Estimated Length: 49 Feet Bent #2 & Bent #3
Number Required: 8

DESIGN SPECIFICATIONS

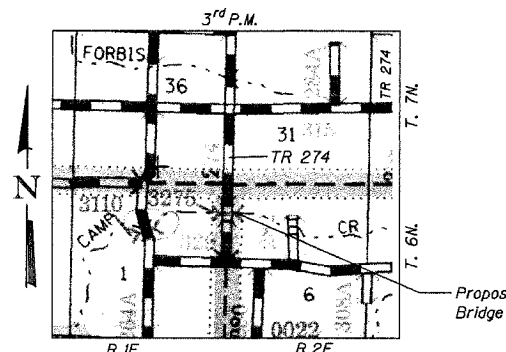
1996 AASHTO, 1997 Thru 2002 Interims
HS20-44 Loading, Load Factor Design.

Contractor shall be aware that he will experience very stiff soils prior to the location of anticipated refusal, see borings for further information.

STATION 50+03.50
CAMP CREEK
SEC. 03-10120-00-BR/03-18116-00-BR
PROJECT NO. BROS-05167 BUILT 20...
FAYETTE COUNTY
LOADING HS20
STR. NO. 02E-3425

LETTERING FOR NAME PLATE

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



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 15.54 Sq. Mi.		Low Grade Elev. 487.31 @ Sta. 47+00				
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E. Ft.	Head - Ft. Exist. Prop.	Headwater Elev. - Ft. Exist. Prop.
Design	15	2761	313 548	488.21	N/A 0.52	N/A 488.73
Base	100	4430	335 595	488.83	N/A 0.51	N/A 489.34
Overlapping						
Max. Calc.	500					

These plans were prepared by me or by a full-time member of my staff working under my personal supervision.

Michael R. Quandt 3/1/05
Michael R. Quandt, P.E.
Illinois Licensed Professional Engineer
License No. 062-042893
Expiration Date: 11/30/2005



GENERAL PLAN & ELEVATION

TR 274
OVER CAMP CREEK
SECTIONS 03-10120-00-BR
AND 03-18116-00-BR
FAYETTE COUNTY
STATION 50+03.50