

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 416	05-07128-00-BR	FAYETTE	12	4
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

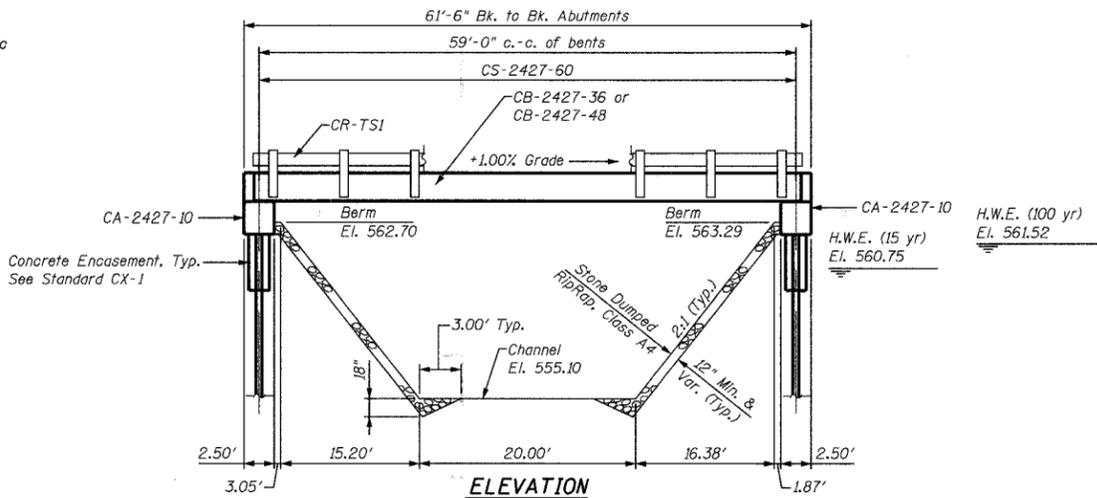
CONTRACT NO. 95481

B.M. - B.M. #1 R.R. spike In Power Pole, 34.6' RT., STA. 48+15.2, EL. 566.59
B.M. #2 R.R. spike In Power Pole, 29.4' RT., STA. 50+90.7, EL. 570.97

Existing Structure - The existing structure is single span with precast concrete channel beams, supported by concrete pile caps and timber piling.

Salvage - None

Existing Known Utilities - Overhead Electric

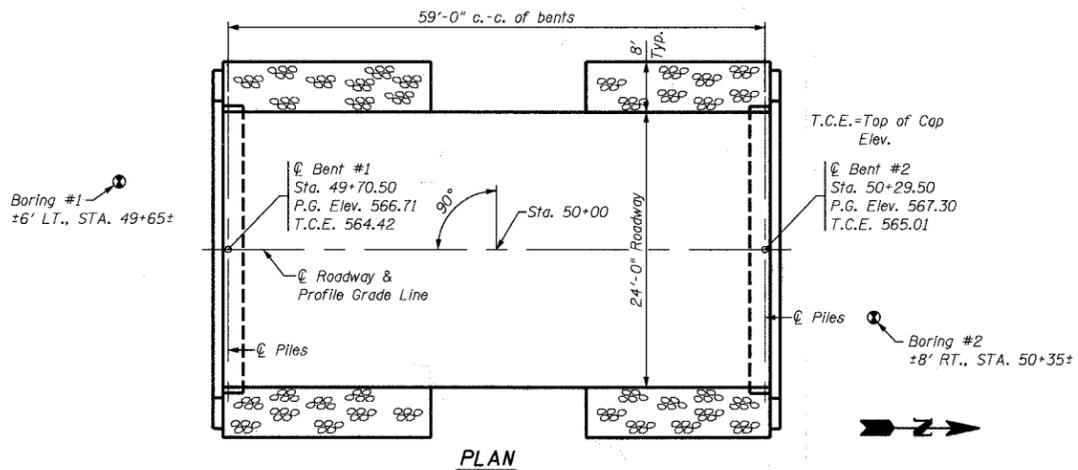


GENERAL NOTES

- 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.			18.2	18.2
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1440			1440
Steel Railings, Type S-1	Foot	120			120
Reinforcement Bars	Pound			2300	2300
Furnishing Steel Pile HP 10x42	Foot			187	187
Driving Steel Piles	Foot			187	187
Test Pile Steel HP 10x42	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu. Yd.			2.1	2.1



The standard detail sheets for this structure were assembled by me or persons under my direct supervision.



Date: 5/4/06

Date of License: 11/30/07
Expiration:

Signature: Michael R. Quandt

I certify these Standard Bridge Plans for foundation treatment only.



Date: May 4, 2006

Date of License: 11-30-06
Expiration:

Signature: William D. Fueking

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 17th ed.

LOADING HS 20-44

Allow 25# / Sq. Ft. for Future Wearing Surface.

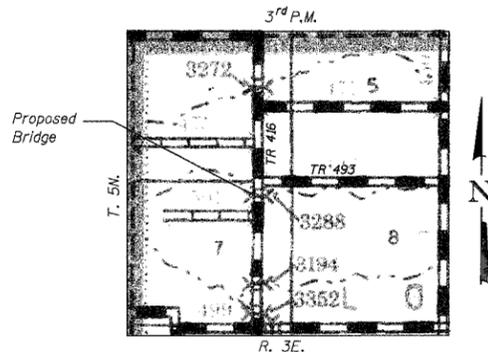
PILE DATA (2-ABUTS.)

Type: Steel Piles, HP10x42
Capacity: 64.5 Tons (Includes 150% of Max. Pile Load for H-Pile In Friction)
Estimated Length: 25 Feet Bent #1, 29 Feet Bent #2
Number Required: 8 (Includes 1 Test Pile located in Bent #2)

STATION 50+00
UNNAMED STREAM
SEC. 05-07128-00-BR BUILT 20
PROJECT NO. BROS-051(73)
FAYETTE COUNTY
LOADING HS20
STR. NO. 026-3430

LETTERING FOR NAME PLATE

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



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 1.33 Sq. Mi.		Low Grade Elev. 566.12 @ Sta. 48+99.94							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater Elev. - Ft.		
			Exlst.	Prop.	Exlst.	Prop.	Exlst.	Prop.	
Design	15	477	131	177	560.75	N/A	0.09	N/A	560.84
Base	100	776	152	211	561.52	N/A	0.12	N/A	561.64
Overtopping									
Max. Calc.	500								

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2427-60
- Standard CB-2427-36
- Standard CB-2427-48
- Standard CA-2427-10
- Standard CR-TS1
- Standard CN
- Standard CX-1

GENERAL PLAN & ELEVATION

TR 416
OVER UNNAMED STREAM

SECTION 05-07128-00-BR
FAYETTE COUNTY
STATION 50+00