

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
117	04-04113-00-BR	WABASH	13	5
FED. ROAD DIST. NO. 7 ILLINOIS		FORDICE CREEK TRIBUTARY		
PROJECT # BROS-185(20)		CONTRACT # 95477		
LEC JOB # 1031010W				

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PROFESSIONAL DESIGN FIRM
LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
184-000887
(82-032435)(35-002769)

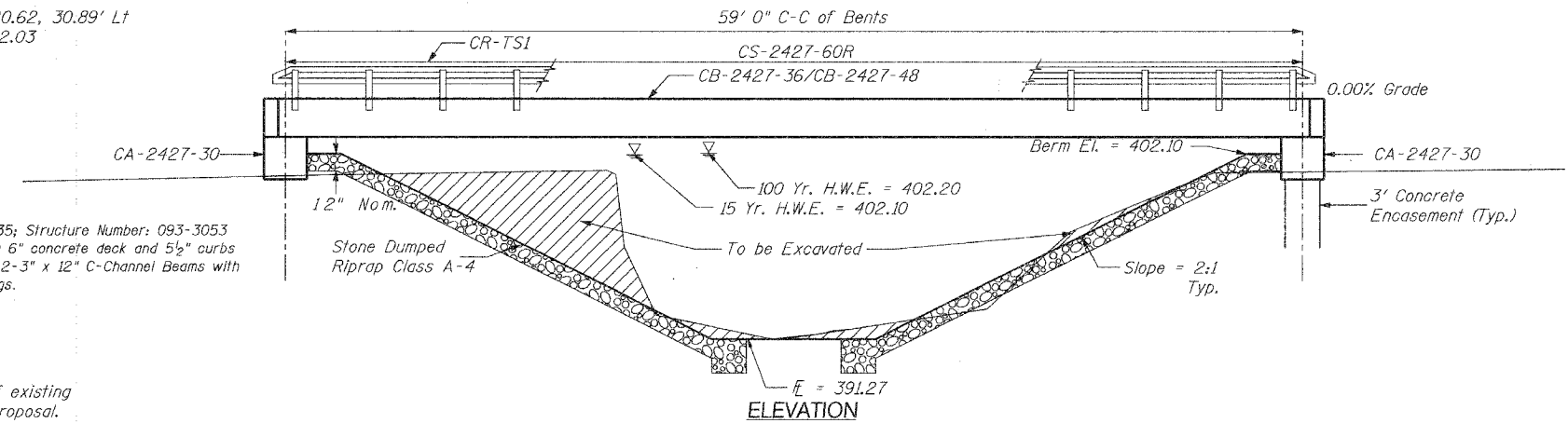
AARON M. MEFFORD
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

AARON M. MEFFORD
NAME
SIGNATURE
DATE
11-30-07
EXPIRES

TOWNSHIP ROUTE 117
FORDICE CREEK TRIBUTARY
WABASH COUNTY, ILLINOIS

SHEET TITLE:
GENERAL PLAN AND ELEVATION
SCALE: NONE
BY: AMM
DATE: 05/06/06
REV:
5 OF 13 SHEETS
SHEET NO. 5

B.M. I.P. ±Sta. 5+20.62, 30.89' Lt
Elevation = 402.03

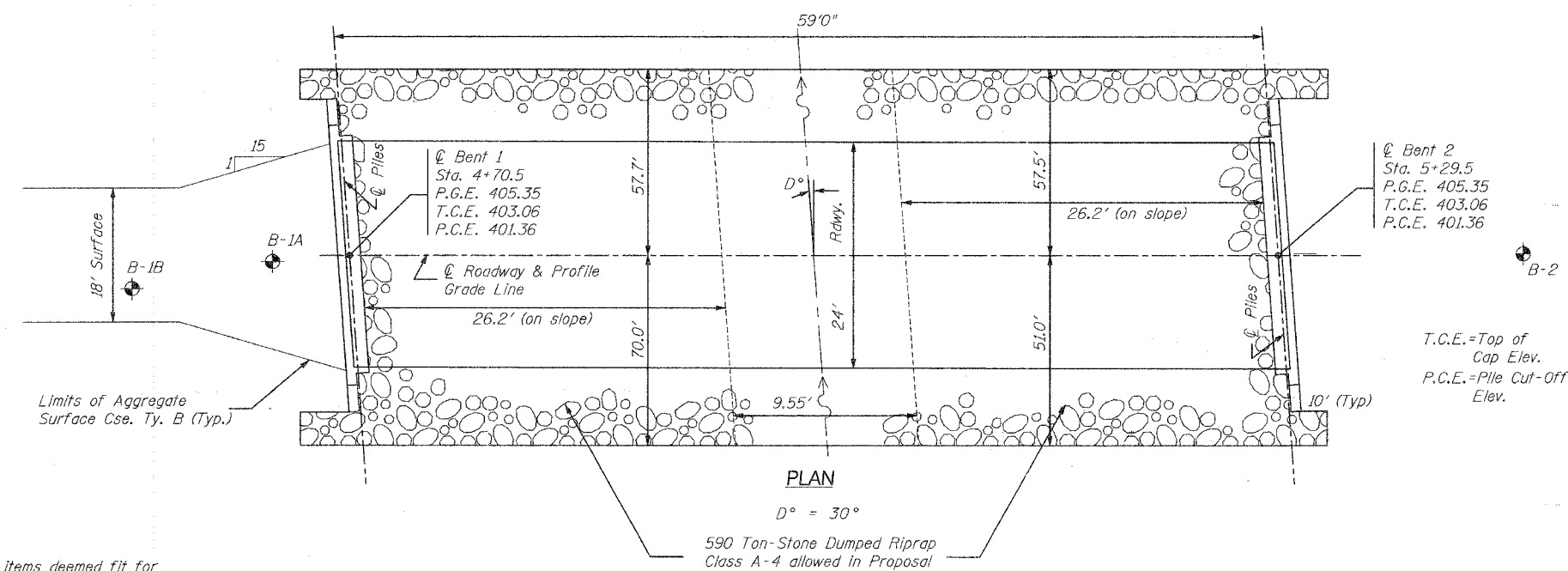


Existing Bridge Sta 5+06.35; Structure Number: 093-3053
A 30' long bridge having a 6" concrete deck and 5 1/2" curbs on 5-5/4" x 12" I-Beams, 2-3" x 12" C-Channel Beams with concrete mudwalls and wings.

One (1) each removal of existing structures allowed in Proposal.

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.
- A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
- The Bit. Conc. Surf. Cse. Superpave and the Waterproofing Membrane System shown in these Plans shall not be provided.



NOTE: All items deemed fit for use on other Rd. District projects shall become the property of the said Rd. District. These items shall be stored along the R.O.W. at no additional cost to the project.

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, 2007) as shown in the "Article/Section No. Reference Table."

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	L. Sum				1
Bit. Conc. Surf. Cse. Superpave	Tons				
Waterproofing Membrane System	Sq.Yds.				
Concrete Structures	Cu.Yds.		21.4		21.4
P.P. Conc. Dk. Bm. 27" Dp.	Sq.Ft.	1440			1440
Steel Railing, Type S1	Lin.Ft.	120			120
Reinforcement Bars	Lbs.		2620		2620
Furnishing Steel Piles HP10X42	Lin.Ft.		329		329
Driving Piles	Lin.Ft.		329		329
Test Pile Steel HP10X42	Each		1		1
Name Plates	Each		1		1
Concrete Encasement	Cu.Yds.		2.1		2.1

NOTE: Four (4) Each Curled End Sections required. Item to be incidental to the Steel Railing

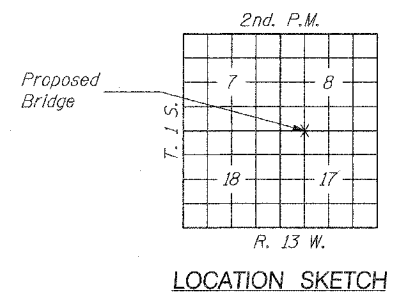
PILE DATA (2-ABUTS.)

Type: Steel Piles HP10X42
Capacity: Drive to Refusal
Estimated Length: 47 Feet
Number Required: 8 (Includes 1 Test Pile in Bent #1)

STATION 5+00
FORDICE CREEK TRIBUTARY
SEC. 04-04113-00-BR BUILT 20
PROJECT NO. BROS-185(20)
WABASH COUNTY
LOADING HS20-44
STR. NO. 093-3128

LETTERING FOR NAME PLATE

Locate Name Plate at the Southwest Corner of the Bridge (See Sd. CN)



INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2427-60R
- Standard CB-2427-36
- Standard CB-2427-48
- Standard CA-2427-30
- Standard CR-TS1
- Standard CN
- Standard CX-1

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 17th ed.

LOADING HS20-44

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

WATERWAY INFORMATION

Drainage Area = 3.0 Sq. Mi. Low Grade Elev. = 399.0 At Sta. 1+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq.Ft.		Natural H.W.E.	Head-Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	940	139	293	402.10	0.90	0.21	403.00	402.31
Base	100	1522	139	298	402.20	3.54	0.80	405.74	403.00
Overtopping									
Max. Calc.	500	2005							

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
STD 2340	STD 631026