

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
231	03-09108-00-BR	EDWARDS	13	5
FED. ROAD DIST. NO. 7 ILLINOIS		UNION CREEK		
PROJECT • BROS-047(24)		CONTRACT • 9551B		
LEC JOB # H03L007ED				

323 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
PHONE:
(618)-262-8661
FAX:
(618)-263-3327

405 W. STATE ST.
SUITE 1
PRINCETON, IN
47670
PHONE:
(812)-386-7611
FAX:
(812)-385-2812

PROFESSIONAL DESIGN FIRM
LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
184-00887
(62-032435)(35-002769)



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

ROAD DISTRICT NO. 14
OVER UNION CREEK
EDWARDS COUNTY, ILLINOIS

SHEET TITLE:

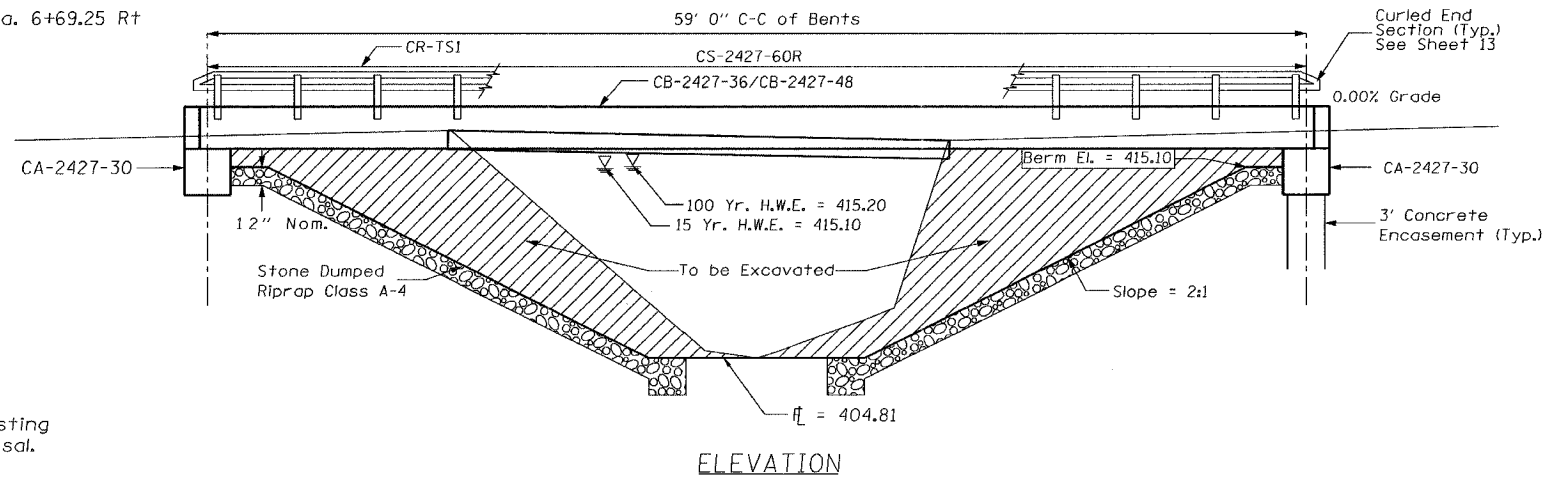
GENERAL PLAN AND ELEVATION

SCALE: NONE
BY: AMM
DATE: 5/21/07
REV:

5 OF 13 SHEETS

SHEET NO. 5

B.M. - Nail & Rag in P.P. ±Sta. 6+69.25 Rt
Elevation = 417.23



Existing Bridge Sta 4+96.91;
Structure Number: 024-3074
A 24' long bridge having a concrete deck supported by 8-12" steel beams on concrete abutments with concrete wings.

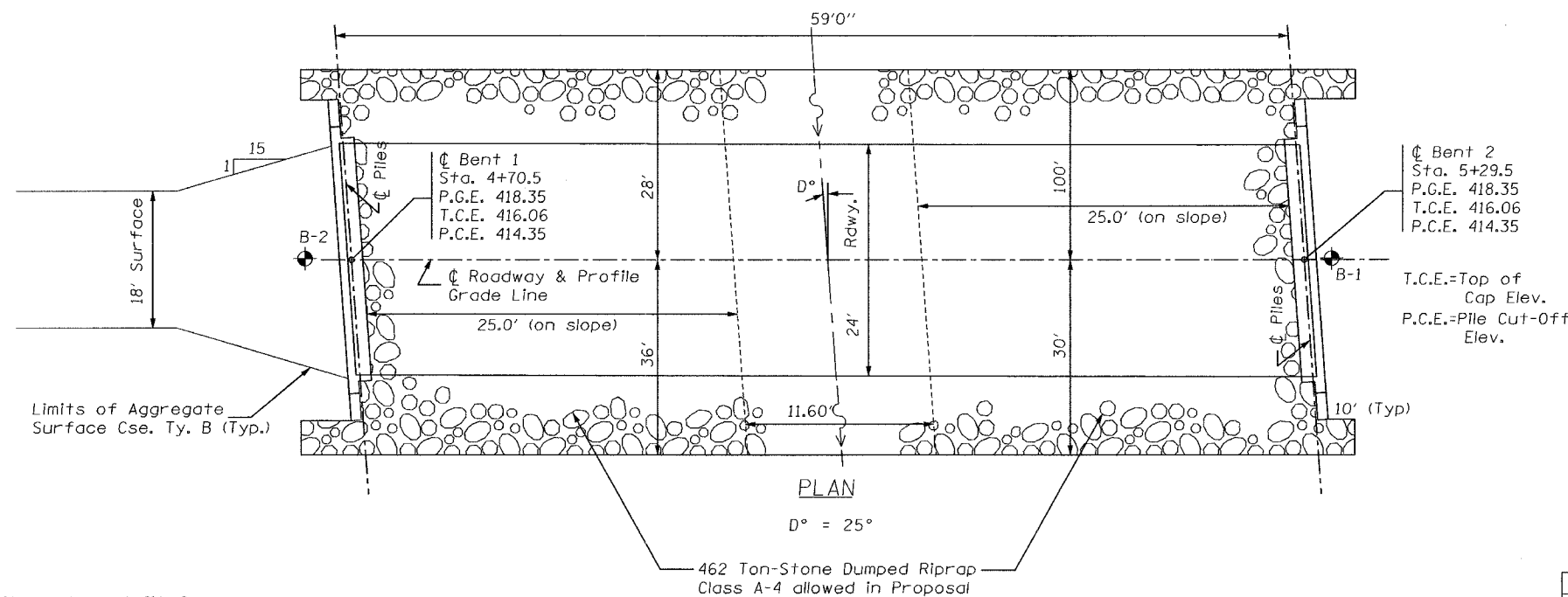
One (1) each removal of existing structures allowed in Proposal.

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 Hot-Mix Asphalt Surf. Cse. and the Waterproofing Membrane System shown in these Plans shall not be provided.

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	L Sum				1
Hot Mix Asphalt Surf. Cse.	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.			182	182
Driving Piles	Lin.Ft.			182	182
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 included in Steel Railing



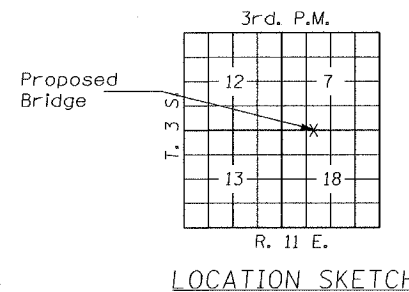
Limits of Aggregate Surface Cse. Ty. B (Typ.)

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.

PILE DATA (2-ABUTS.)

Type: Steel Piles HP10X42
Nominal Required Bearing: 334.8 kips
Allowable Resistance Available: Drive to Refusal
Estimated Length: 26 Feet/Piles
Number Required: 8 (Includes 1 Test Pile in Bent #1)

STATION 5+00
UNION CREEK
SEC. 03-09108-00-BR BUILT 20
PROJECT NO. BROS-047(24)
EDWARDS COUNTY
LOADING HS20-44
STR. NO. 024-3131



LETTERING FOR NAME PLATE

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

WATERWAY INFORMATION

Drainage Area = 4.9 Sq. Mi. Low Grade Elev. = 415.16 At Sta. 2+00									
Flood	Freq. Yr.	Opening		Natural H.W.E.	Head-Ft.		Headwater El.		
		Exist.	Prop.		Exist.	Prop.	Exist.	Prop.	
Design	15	1420	160	415.10	0.18	0.05	415.28	415.15	
Base	100	2305	163	415.20	3.74	0.99	418.94	416.19	
Overtopping									
Max. Calc.	500	3045							

GENERAL PLAN & ELEVATION

TOWNSHIP ROUTE 231
OVER UNION CREEK
SECTION 03-09108-00-BR
EDWARDS COUNTY
STATION 5+00