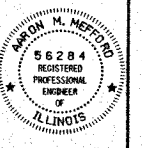


F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
228	06-12122-00-BR	HAMILTON	15	5
FED. ROAD DIST. NO. 9 ILLINOIS		HOGG CREEK		
PROJECT # BR05-065(41)		CONTRACT # 99304		
LEC JOB # H061029M				

583 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
PHONE: (618)-268-8661
FAX: (618)-268-8927

406 W. STATE ST.
SUITE 1
PRINCETON, IN
47870
PHONE: (812)-386-7811
FAX: (812)-386-2812

PROFESSIONAL LAND SURVEYING FIRM:
048-00082
PROFESSIONAL ENGINEERING CORPORATION:
184-00087



AARON M. MEFFORD
NAME
SIGNATURE
9-10-07
DATE
11-30-07
EXPIRES

TWIGG TOWNSHIP
OVER HOGG CREEK
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:

GENERAL PLAN AND ELEVATION

SCALE: NONE

BY: AMM

DATE: 0807

REV:

5 OF 15 SHEETS

SHEET NO. 5

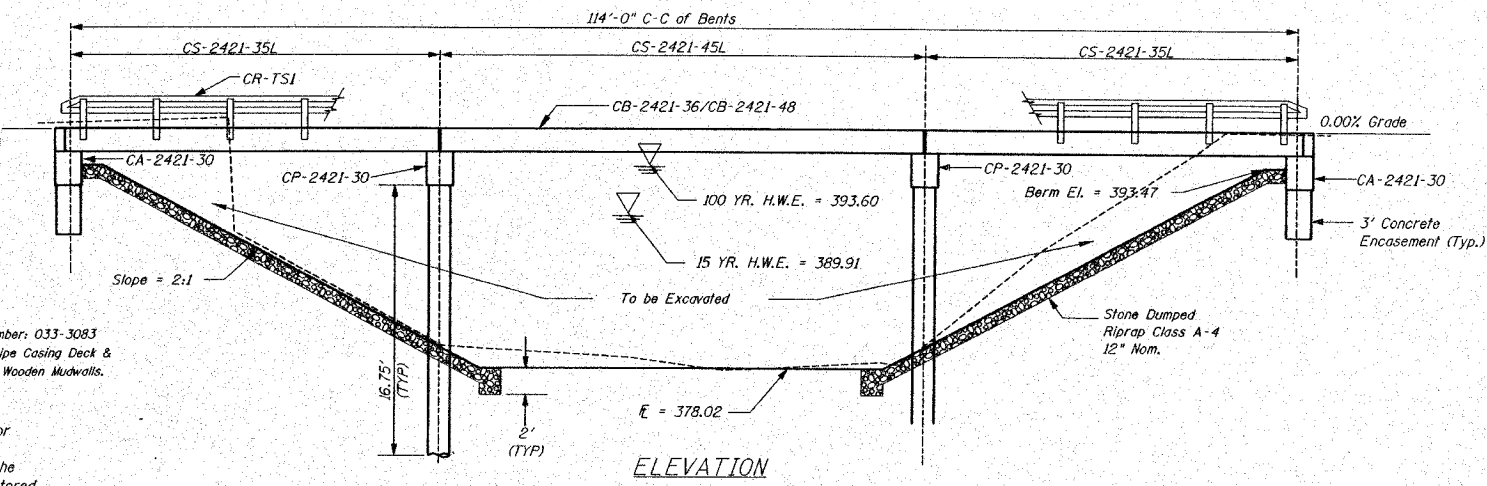
GENERAL NOTES

- The Contractor shall drive one test pile, as specified, in a permanent location as directed by the Engineer before starting 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.
- The Steel H-Piles shall be according to AASHTO M270 Grade 50.
- All HP piles shall be oriented with the strong axis along the centerline of the abutment.
- 2-3/4" shear studs will be required per pile which will be encased within the concrete cap.

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	L. Sum				1
Bit Conc. Surf. Cse.	Tons				
Waterproofing Membrane System	Sq.Yds.				
Concrete Structures	Cu.Yds.		17.4	20.2	37.6
P.P. Conc. Dk. Bm. 21" Dp.	Sq.Ft.	2760			2760
Steel Rebar, Type S1	Lin.Ft.	230			230
Reinforcement Bars	Lbs.		1780	2560	4340
Furnishing Steel Piles HP10X42	Lin.Ft.		600	480	1080
Driving Piles	Lin.Ft.		600	480	1080
Test Pile Steel HP10X42	Each		1	1	1
Name Plates	Each		1	1	1
Concrete Encasement	Cu.Yds.		2.6	2.1	4.7
Stud Shear Connectors	Each		20	16	36

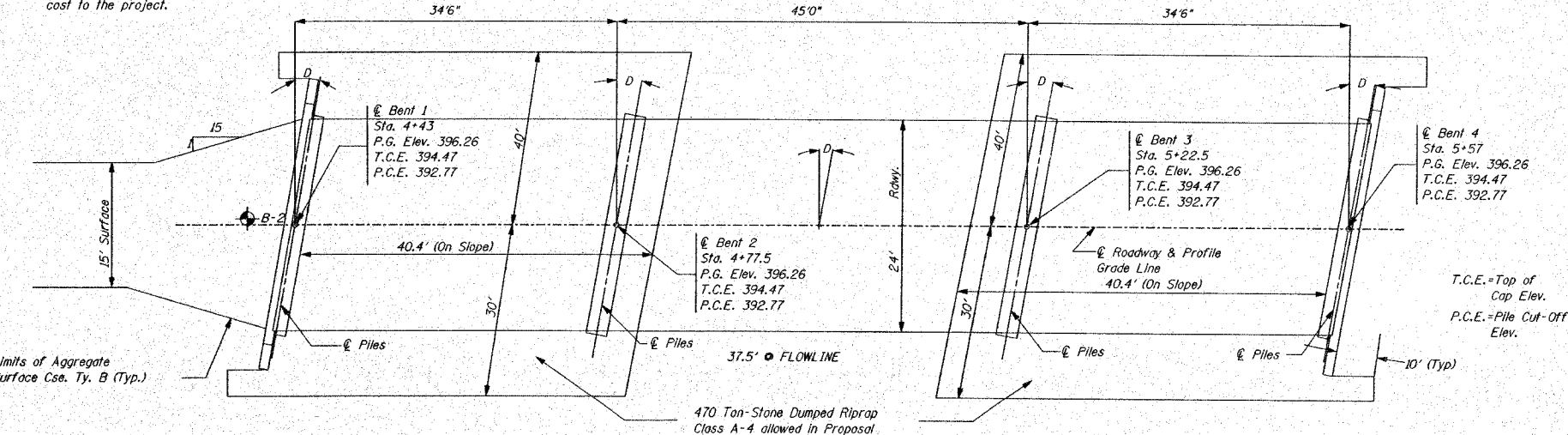
NOTE: See sheet two (2) of these plans for the Schedules of Traffic Barriers and Curled End Sections required on this Section.

B.M. I.P. ± 0+26.72, 9.56' LT.
Elev. = 395.36



Existing Bridge Sta 5+00; Structure Number: 033-3083
A 66' Long Dual Span Bridge with 2" Pipe Casing Deck & B-6"x18" I-Beams on Wooden Piling and Wooden Mudwalls.

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

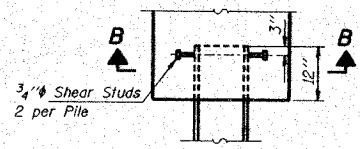


NOTE: The Article or Section Numbers Referencing the Standard Specifications for Road and Bridge Construction as shown on the Standard Bridge Plan Sheets included with the contract plans should be interpreted as referring to the current edition of the Standard Specification (Adopted January 1, 2007) as shown in the "Article/Section No. Reference Table."

ARTICLE/SECTION NO.	REFERENCE TABLE
Previous No.	Current No.
504.06	504.06
505.04	505.04
1006.05	1006.05
1006.32	1006.32
1060.07	1060.07
STD 631026	STD 631026

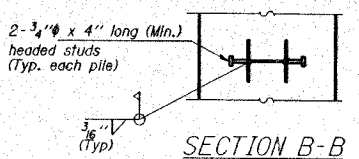
PILE DATA (2-PIERS)

Type: Steel Piles HP10X42
Nominal Required Bearing: 330 Kips
Allowable Resistance Available: 110 Kips
Estimated Length: 60 Feet/Pile
Number Required: 10



PILE DATA (2-ABUTS)

Type: Steel Piles HP10X42
Nominal Required Bearing: 330 Kips
Allowable Resistance Available: 110 Kips
Estimated Length: 60 Feet/Pile
Number Required: 8



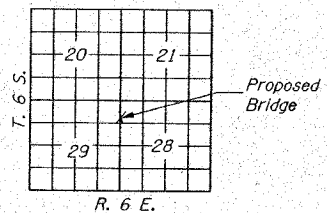
DESIGN SPECIFICATIONS

2002 AASHTO
HS 20-44 Loading, Load Factor Design

STATION 5+00
HOGG CREEK
SEC. 06-12122-00-BR BUILT 20
PROJECT NO. BR05-065(41)
HAMILTON COUNTY
LOADING HS 20-44
STR. NO. 033-3307

LETTERING FOR NAME PLATE

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



INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2421-35L
- Standard CS-2421-45L
- Standard CB-2421-36
- Standard CB-2421-48
- Standard CA-2421-30
- Standard CP-2421-30
- Standard CR-TS1
- Standard CN
- Standard CX-1

WATERWAY INFORMATION

Drainage Area = 2.11 Sq. Mi. Low Grade Elev. = 395.28 At Sta. 2+30

Flood	Freq. Yr.	C.F.S.	Opening Sq.Ft.		Natural H.W.E.	Head-Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	2796	643	621	389.91	0.04			389.95
Base	100	4229	887	927	393.60	0.08	0.05	393.68	393.65
Max. Calc.	500	5349							

SEISMIC DATA
Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.10g
Site Coefficient (S) = 1.5

ILLINOIS STRUCTURAL NO. 6529
Complies with 2002 AASHTO Specifications for Seismic Design of Bridges.

09-05-2007
Expires 11-30-08