

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
151	06-05120-00-BR	WABASH	15	7
FED. ROAD DIST. NO. 7 ILLINOIS		BONPAS CREEK TRIBUTARY		
PROJECT # BR05-185(21)		CONTRACT NO. 95554		
LEC JOB # H06L014#6				

323 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
PHONE: (618)-262-8651
FAX: (618)-263-3327

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

PROFESSIONAL
LAND SURVEYING
FIRM
048-00082
PROFESSIONAL
ENGINEERING
CORPORATION
164-000887

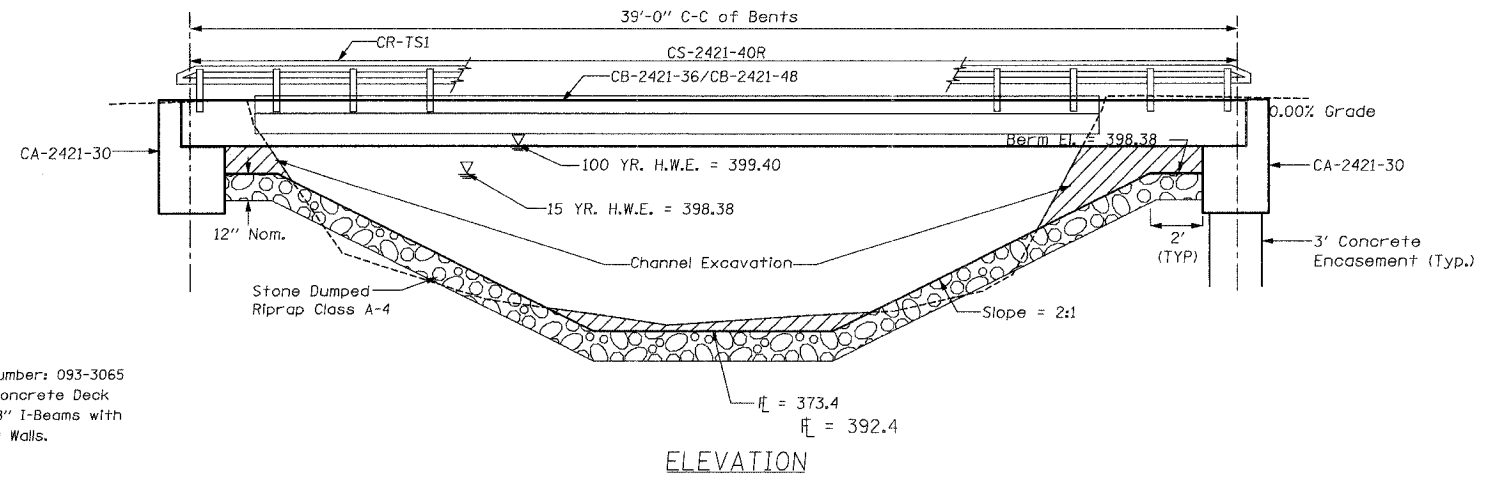
AARON M. MEFFORD
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS
56284

AARON M. MEFFORD
NAME
Signature
SIGNATURE
3-21-08
DATE
11-30-09
EXPIRES

BONPAS CREEK TRIBUTARY
TOWNSHIP ROUTE 151
WABASH COUNTY, ILLINOIS

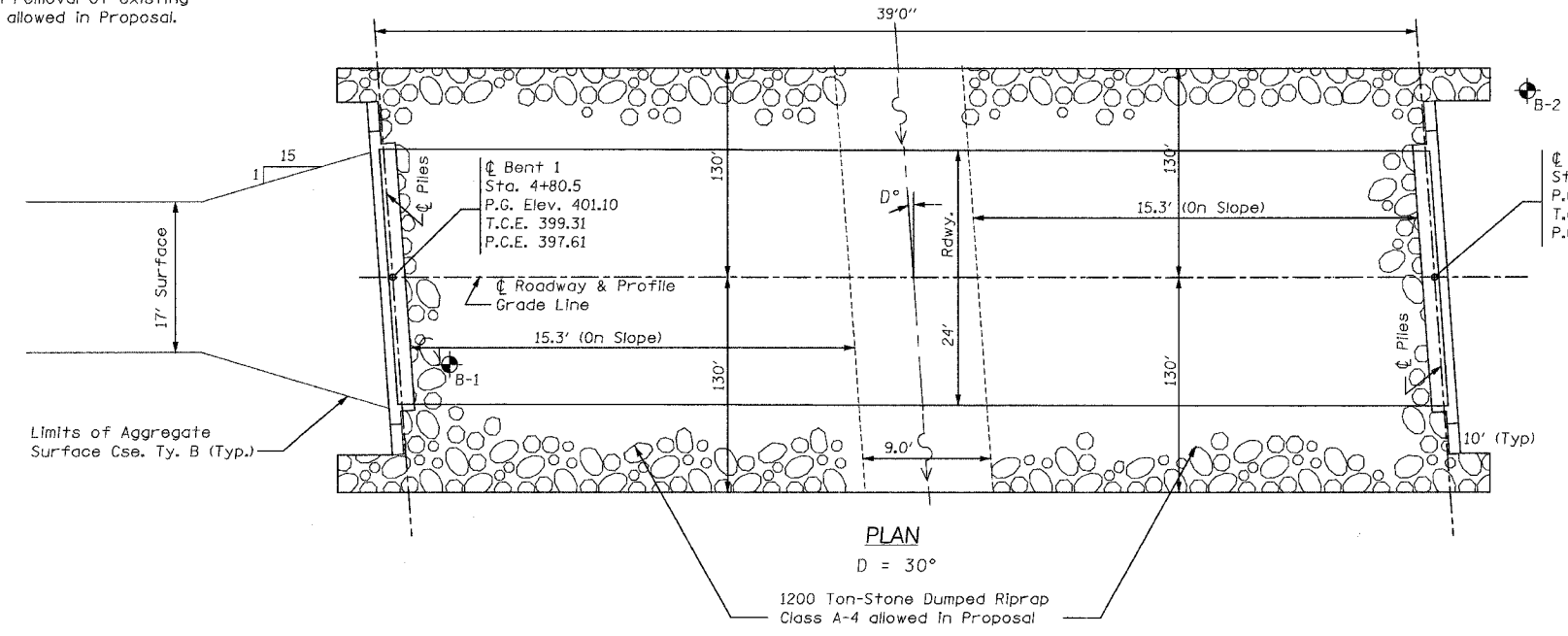
SHEET TITLE:
GENERAL PLAN AND ELEVATION
SCALE: NONE
BY: A.M.M.
DATE: 08/08
REV:
7 OF 15
SHEETS
SHEET NO.
7

B.M. I.P. ±4+11.46, 9.07' RT.
Elev. = 399.29



Existing Bridge Sta 4+99.5; Structure Number: 093-3065
A 27' Single Span Bridge with 8" Thick Concrete Deck
with 6" Curb on 2-9" C-Channels and 8-8" I-Beams with
Concrete Footers and 7" Concrete Wing Walls.

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

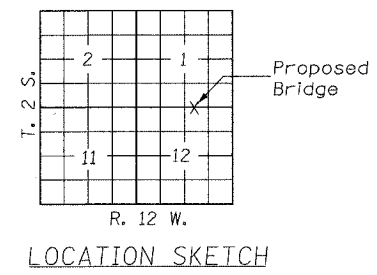


GENERAL NOTES

- 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. Piers	Abuts.	Total
Removal of Existing Structures	L Sum				1
Hlt. Conc. Surf. Cse. Superpave	Tons				
Waterproofing Membrane System	Sq.Yds.				
Concrete Structures	Cu.Yds.			20.2	20.2
P.P. Conc. Dk. Bm. 21" Dp.	Sq.Ft.	960			960
Steel Railing, Type S1	Lin.Ft.	80			80
Reinforcement Bars	Lbs.			2560	2560
Furnishing Steel Piles HP10X42	Lin.Ft.			364	364
Driving Piles	Lin.Ft.			364	364
Test Pile Steel HP10X42	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu.Yds.			2.1	2.1

NOTE: Four (4) Curled End Sections required. Item to be included in the Steel Railing, see detail sheet 15.



INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2421-40R
- Standard CB-2421-36
- Standard CB-2421-48
- Standard CA-2421-30
- Standard CR-TS1
- Standard CN
- Standard CX-1

EAST ABUT. PILE DATA

Type: Steel Piles HP10X42
Nominal Required Bearing: 335 Kips
Allowable Resistance Available: 112 Kips
Estimated Length: 52 Feet/Pile
Number Required: 4

WEST ABUT. PILE DATA

Type: Steel Piles HP10X42
Nominal Required Bearing: 335 Kips
Allowable Resistance Available: 112 Kips
Estimated Length: 52 Feet/Pile
Number Required: 3
Test Pile: 1

STATION 5+00
BONPAS CREEK TRIBUTARY
SEC. 06-05120-00-BR BUILT 20
PROJECT NO. BR05-185(21)
WABASH COUNTY
LOADING HS 20-44
STR. NO. 093-3131

LETTERING FOR NAME PLATE

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

WATERWAY INFORMATION

Drainage Area = 1.2 Sq. Mi. Low Grade Elev. = 399.24 At Sta. 7+25

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	231	53.7	108.6	398.38		0.03		398.41
Base	100	357	66.5	140.6	399.4		0.21		399.61
Max. Calc.	500	457							

DESIGN SPECIFICATIONS

2002 AASHTO
HS 20-44 Loading, Load Factor Design

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

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."