

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	07-01114-00-BR	WHITE	13	5
FED. ROAD DIST. NO. 9 ILLINOIS		LIMEKILN CREEK		
PROJECT • BROS-193(34)		CONTRACT NO. 99321		
LEC JOB # HOTEL01WH				

323 W. 3RD ST.
P.O. BOX 180
MT. CARMEL, IL
62863
PHONE:
(618)-262-8651
FAX:
(618)-263-3327

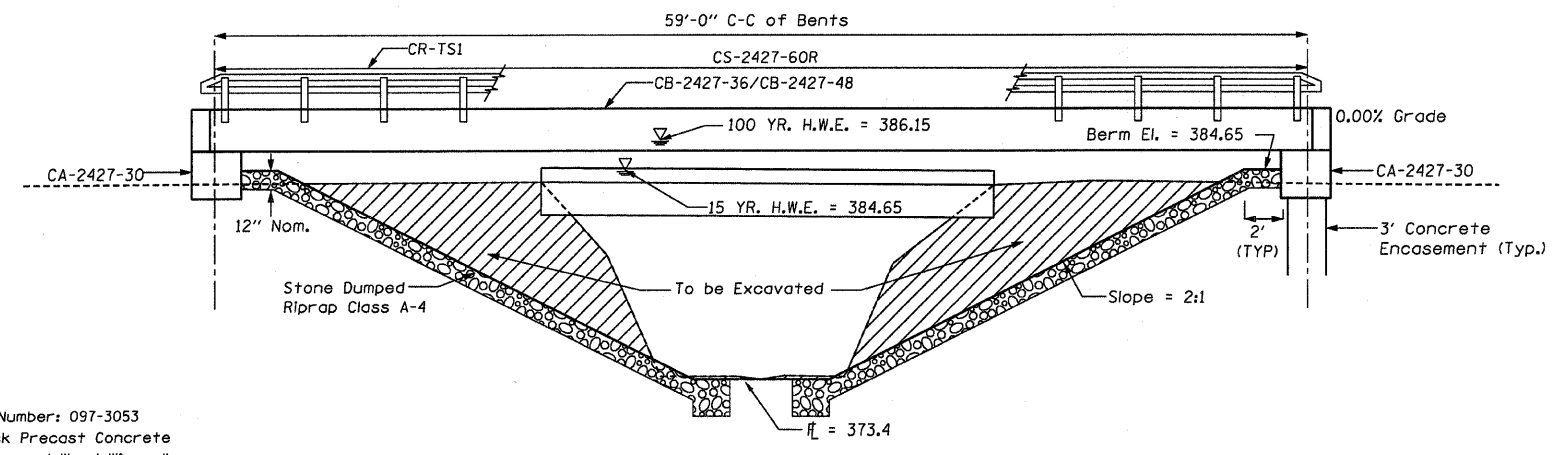
405 W. STATE ST.
SUITE 1
PRINCETON, IN
47670
PHONE:
(812)-386-7611
FAX:
(812)-385-2812

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.
- 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.

Item	Unit	Super	Sub. Piers	Abuts.	Total
Removal of Existing Structures	LSum				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 Ralling, Type S1	Lin.Ft.	120			120
Reinforcement Bars	Lbs.		2620		2620
Furnishing Steel Piles HP10X42	Lin.Ft.		384		384
Driving Piles	Lin.Ft.		384		384
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 Ralling.

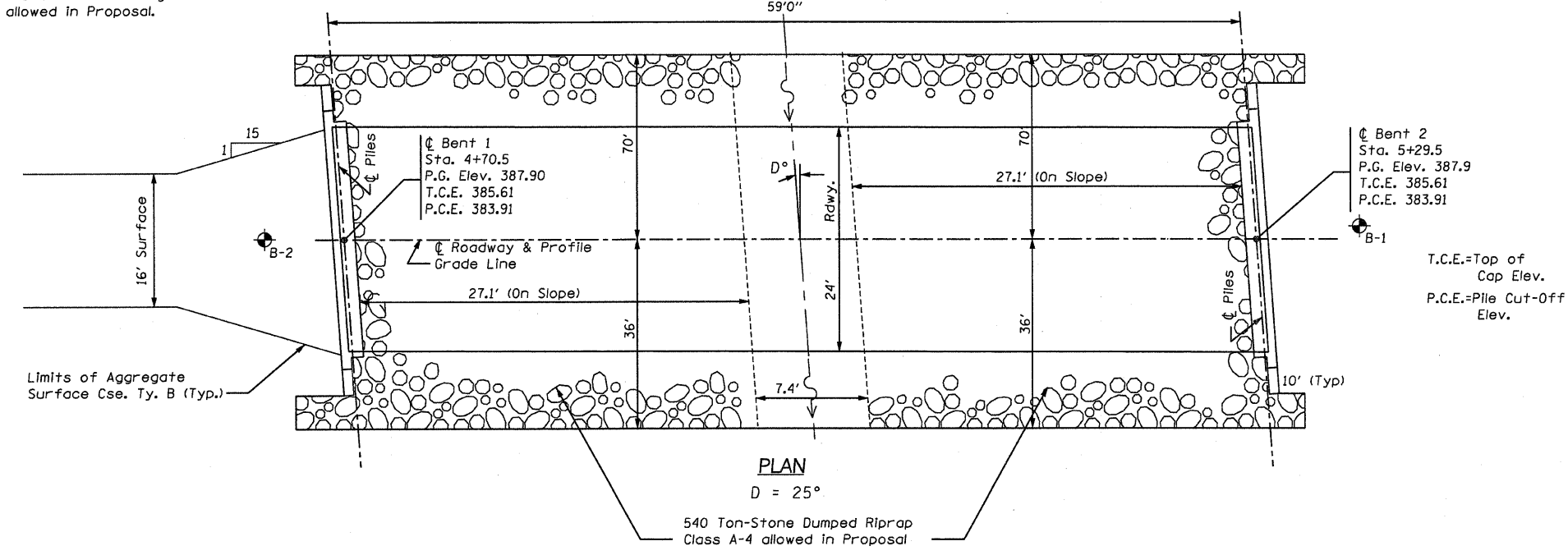


ELEVATION

B.M.: I.P. ±5+41.42, 11.57' LT.
Elev. = 384.07

Existing Bridge Sta 5+00; Structure Number: 097-3053
A 30' Single Span Bridge with 21" Thick Precast Concrete Deck Beams and 9" Curb on Wood Piling and Wood Wingwalls & 2"x10" Wood Mudwalls.

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



PLAN

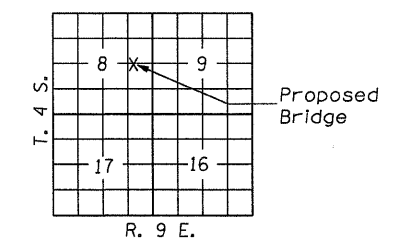
ABUT. PILE DATA

Type: Steel Piles HP10X42
Nominal Required Bearing: 335 Kips
Allowable Resistance Available: 112 Kips
Estimated Length: 48 Feet/Pile
Number Required: 8

STATION 5+00
LIMEKILN CREEK
SEC. 07-01114-00-BR BUILT 20
PROJECT NO. BROS-193(34)
WHITE COUNTY
LOADING HS 20-44
STR. NO. 097-3263

LETTERING FOR NAME PLATE

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



LOCATION SKETCH

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

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

DESIGN SPECIFICATIONS

2002 AASHTO
HS 20-44 Loading, Load Factor Design

WATERWAY INFORMATION

Drainage Area = 7.0 Sq. Mi. Low Grade Elev. = 387.7 At Sta. 2+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	1634	110.3	304.5	384.65		0.19		384.84
Base	100	2636	110.3	355.6	386.15	0.07	0.41	386.22	386.56
Max. Calc.	500	3464							

GENERAL PLAN & ELEVATION

TOWNSHIP ROUTE 71
OVER LIMEKILN CREEK
SECTION 07-01114-00-BR
WHITE COUNTY
STATION 5+00

SHEET TITLE:

GENERAL PLAN AND ELEVATION

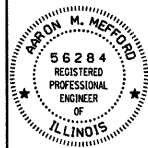
SCALE: NONE
BY: A.M.M.
DATE: 07/08
REV:

5 OF 13 SHEETS

SHEET NO. 5



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



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

TOWNSHIP ROUTE 71
OVER LIMEKILN CREEK
WHITE COUNTY, ILLINOIS