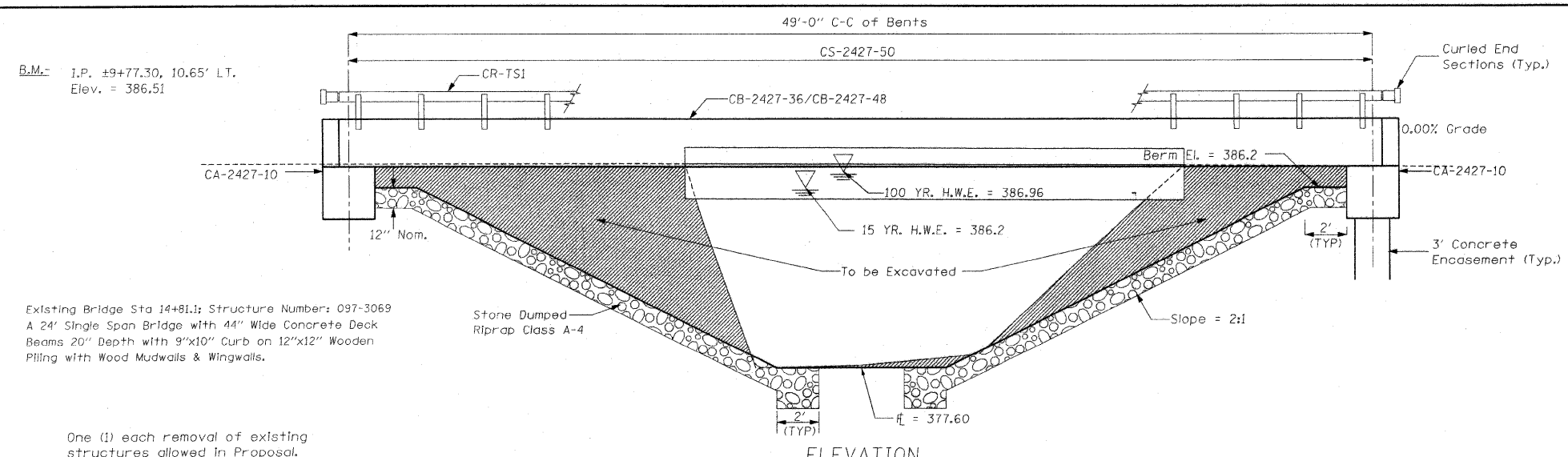


TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
140	07-08135-00-BR	WHITE	19	11
FED. ROAD DIST. NO. 9 ILLINOIS		LICK CREEK		
PROJECT • BROS-193(36)		CONTRACT • 99323		
LEC JOB # HOTEL09NH & HOTEL09HW				

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

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



Existing Bridge Sta 14+81.1; Structure Number: 097-3069
A 24' Single Span Bridge with 44" Wide Concrete Deck
Beams 20" Depth with 9"x10" Curb on 12"x12" Wooden
Piling with Wood Mudwalls & Wingwalls.

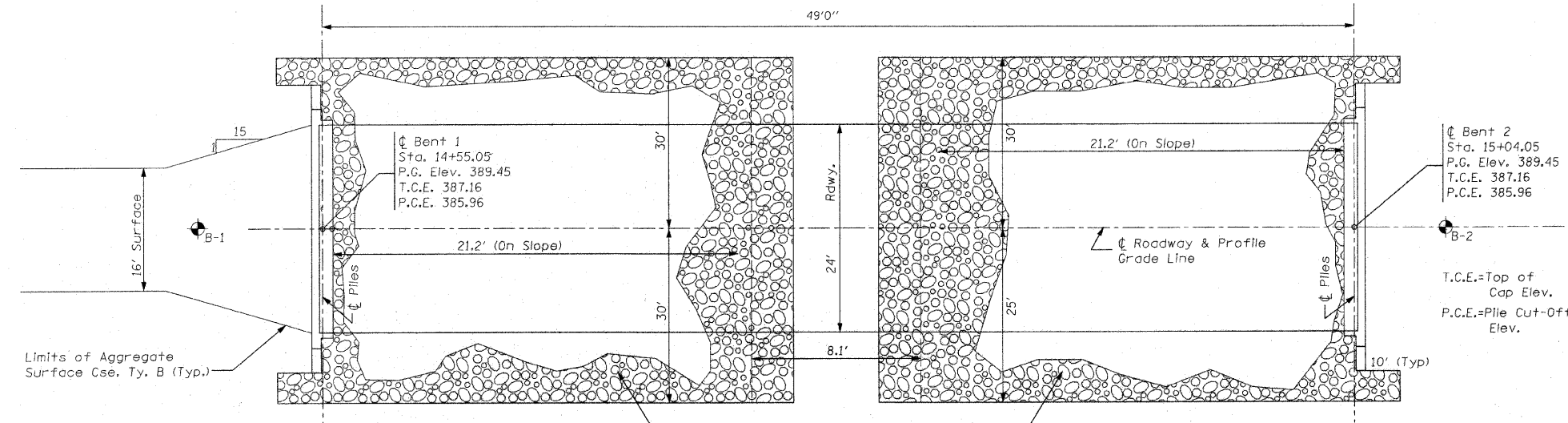
One (1) each removal of existing
structures allowed in Proposal.

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.
- The Steel H-Piles shall be according to AASHTO M270 Grade 50.

Item	Unit	Super	Sub. Piers	Abuts.	Total
Removal of Existing Structures	L Sum				1
Hot-Mix Asphalt Surf. Cse.	Tons				
Waterproofing Membrane System	Sq.Yds.				
Concrete Structures	Cu.Yds.		18.2		18.2
P.P. Conc. Dk. Bm. 27" Dp.	Sq.Ft.	1200			1200
Steel Railing, Type S1	LIn.Ft.	100			100
Reinforcement Bars	Lbs.		2300		2300
Furnishing Steel Piles HP12X84	LIn.Ft.		376		376
Driving Piles	LIn.Ft.		376		376
Name Plates	Each		1		1
Concrete Encasement	Cu.Yds.		2.7		2.7

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



SOUTH ABUT. PILE DATA

Type: Steel Piles HP12X84
Nominal Required Bearing: 562 Kips
Allowable Resistance Available: 76 Kips
Estimated Length: 43 Feet/Pile
Number Required: 4

NORTH ABUT. PILE DATA

Type: Steel Piles HP12X84
Nominal Required Bearing: 579 Kips
Allowable Resistance Available: 76 Kips
Estimated Length: 51 Feet/Pile
Number Required: 4

STATION 14+79.55
LICK CREEK
SEC. 07-08135-00-BR BUILT 20
PROJECT NO. BROS-193(36)
WHITE COUNTY
LOADING HS 20-44
STR. NO. 097-3261

LETTERING FOR NAME PLATE
Locate Name Plate at the Southeast
Corner of the Bridge (See Sd. CN)

WATERWAY INFORMATION

Drainage Area = 3.7 Sq. Mi. Low Grade Elev. = 385.7 At Sta. 17+60

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	1238	124	217.6	386.20	0.33			386.53
Base	100	2024	124	253.0	386.96	1.4	0.86	388.36	387.82
Max. Calc.	500	2681							

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.

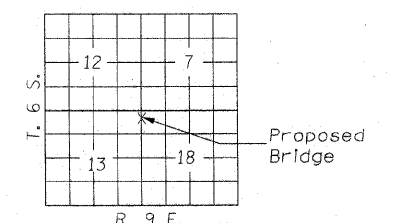
NOTE: The Article or Section Numbers Referencing the Standard Specifications for Road and Bridge Construction as shown on the Standard Bridge Plan Sheets included with the contract plans should be interpreted as referring to the current edition of the Standard Specification (Adopted January 1, 2007)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

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".

Steven W. Mefford 5/5/08
ILLINOIS STRUCTURAL # 6064



Expires 11-30-08



LOCATION SKETCH

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2427-50
- Standard CB-2427-36
- Standard CB-2427-48
- Standard CA-2427-10
- Standard CR-TS1
- Standard CN
- Standard CX-1

GENERAL PLAN & ELEVATION

TOWNSHIP ROUTE 140
OVER LICK CREEK

STRUCTURE # 097-3261
WHITE COUNTY
STATION 14+79.55



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



AARON M. MEFFORD
NAME: Aaron M. Mefford
SIGNATURE: [Signature]
DATE: 6-23-08
11-30-08 EXPIRES

TOWNSHIP ROUTE 140
INDIAN CREEK TOWNSHIP
WHITE COUNTY, ILLINOIS

SHEET TITLE: GENERAL PLAN AND ELEVATION

SCALE: NONE

BY: A.M.M.

DATE: 3/2008

REV:

11 OF 19 SHEETS

SHEET NO. 11