

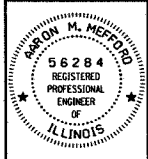
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	05-01114-00-BR	HAMILTON	13	5
FED. ROAD DIST. NO. 9 ILLINOIS		WOLF CREEK		
PROJECT * BROS-191(55)		CONTRACT * 99317		
LEC JOB * H061020HW				

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P.O. BOX 160  
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  
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PROFESSIONAL  
LAND SURVEYING  
FIRM  
048-00082  
PROFESSIONAL  
ENGINEERING  
CORPORATION  
184-00087



AARON M. MEFFORD  
NAME  
SIGNATURE  
12-3-07  
DATE  
11-30-09  
EXPIRES

BEAVER CREEK TOWNSHIP  
OVER WOLF CREEK  
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:

GENERAL PLAN  
AND ELEVATION

SCALE: NONE

BY: A.M.M.

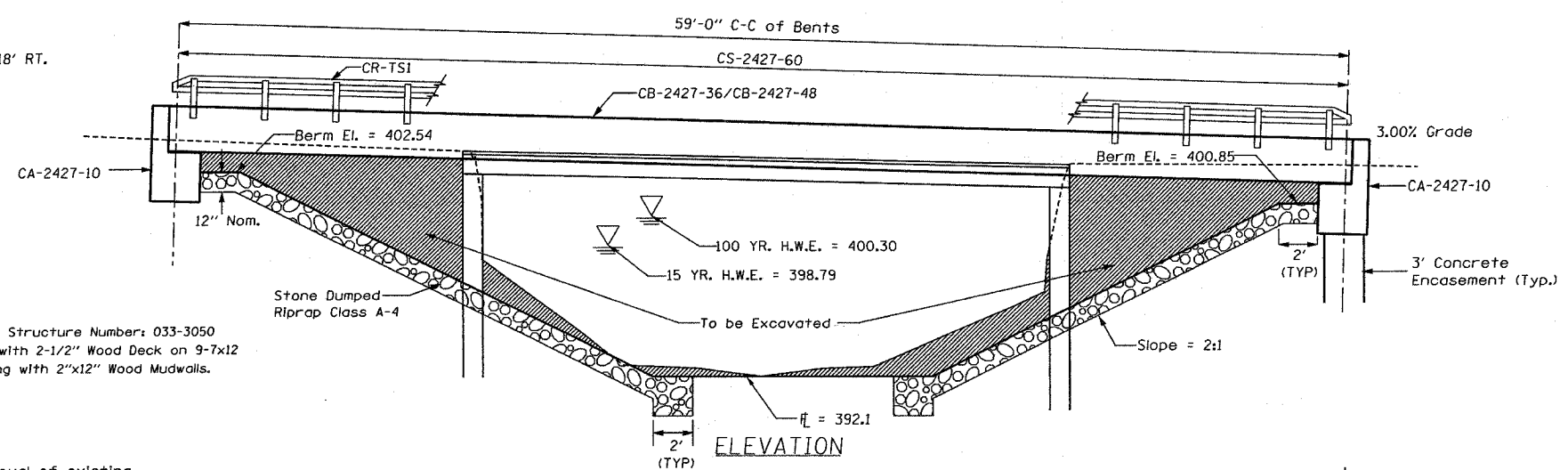
DATE: 11/07

REV:

5 OF 13  
SHEETS

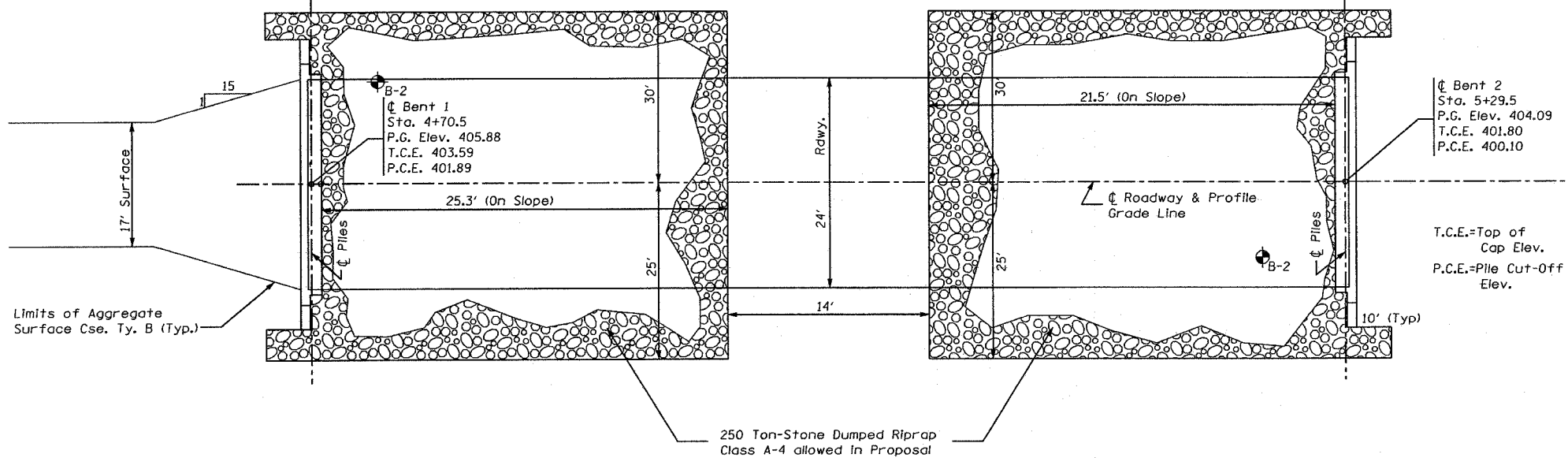
SHEET NO.  
5

B.M. I.P. ±5+54.27, 13.18' RT.  
Elev. = 401.24



Existing Bridge Sta 5+00; Structure Number: 033-3050  
A 27' Single Span Bridge with 2-1/2" Wood Deck on 9-7x12  
I-Beams on 5 Wooden Piling with 2"x12" Wood Mudwalls.

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



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

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

**WEST ABUT. PILE DATA**

Type: Steel Piles HP10X42  
Nominal Required Bearing: 335 Kips  
Allowable Resistance Available: 86 Kips  
Estimated Length: 22 Feet/Pile  
Number Required: 4

**EAST ABUT. PILE DATA**

Type: Steel Piles HP10X42  
Nominal Required Bearing: 335 Kips  
Allowable Resistance Available: 86 Kips  
Estimated Length: 22 Feet/Pile  
Number Required: 4

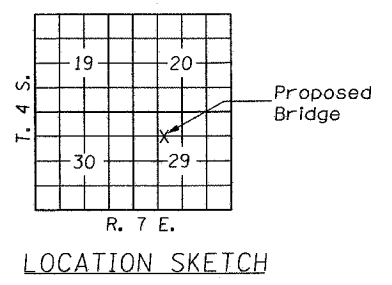
**DESIGN SPECIFICATIONS**

2002 AASHTO  
HS 20-44 Loading, Load Factor Design

STATION 5+00  
WOLF CREEK  
SEC. 05-01114-00-BR BUILT 20  
PROJECT NO. BROS-191(55)  
HAMILTON COUNTY  
LOADING HS 20-44  
STR. NO. 033-3306

**LETTERING FOR NAME PLATE**

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



**WATERWAY INFORMATION**

Drainage Area = 2.1 Sq. Mi. Low Grade Elev. = 401.81 At Sta. 7+00

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	786	142	184	398.79	0.05			398.84
Base	100	1229	185	249	400.30	0.14	0.08	400.44	400.38
Max. Calc.	500	1583							

- 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 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.

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	L Sum				1
Bit. Conc. Surf. Cse. Superpave	Tons				
Waterproofing Membrane System	Sq.Yds.				
Concrete Structures	Cu.Yds.			18.2	18.2
P.P. Conc. Dk. Bm. 27" Dp.	Sq.Ft.	1440			1440
Steel Railing, Type S1	Lin.Ft.	120			120
Reinforcement Bars	Lbs.			2300	2300
Furnishing Steel Piles HP10X42	Lin.Ft.			176	176
Driving Piles	Lin.Ft.			176	176
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.