

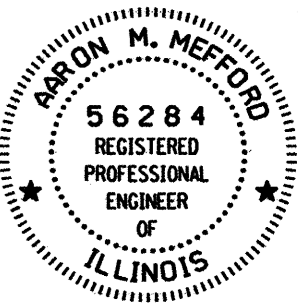
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	05-01114-00-BR	HAMILTON	13	5
FED. ROAD DIST. NO. 9		ILLINOIS		WOLF CREEK
PROJECT * BROS-191(55)		CONTRACT * 99317		
LEC JOB # H0610209M				

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
PRINCETON, IN
47670
PHONE:
(317)-386-7611
FAX:
(317)-385-2812



PROFESSIONAL
LAND SURVEYING
FIRM:
048-000082
PROFESSIONAL
ENGINEERING
CORPORATION:
184-000887



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

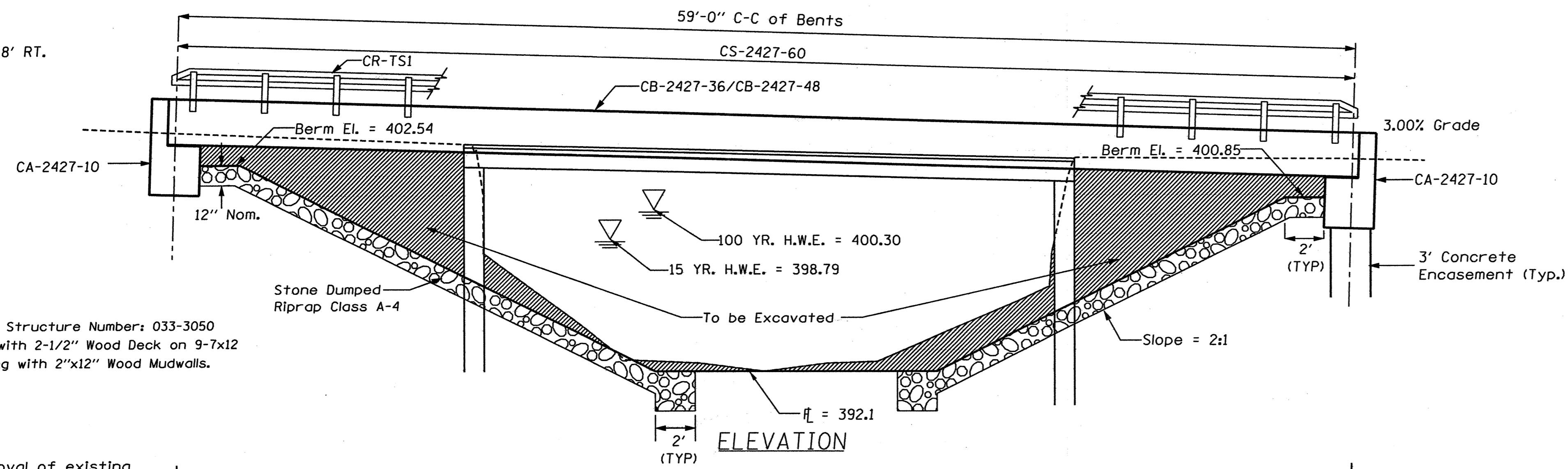
REV:

5 OF 13
SHEETS

SHEET NO.

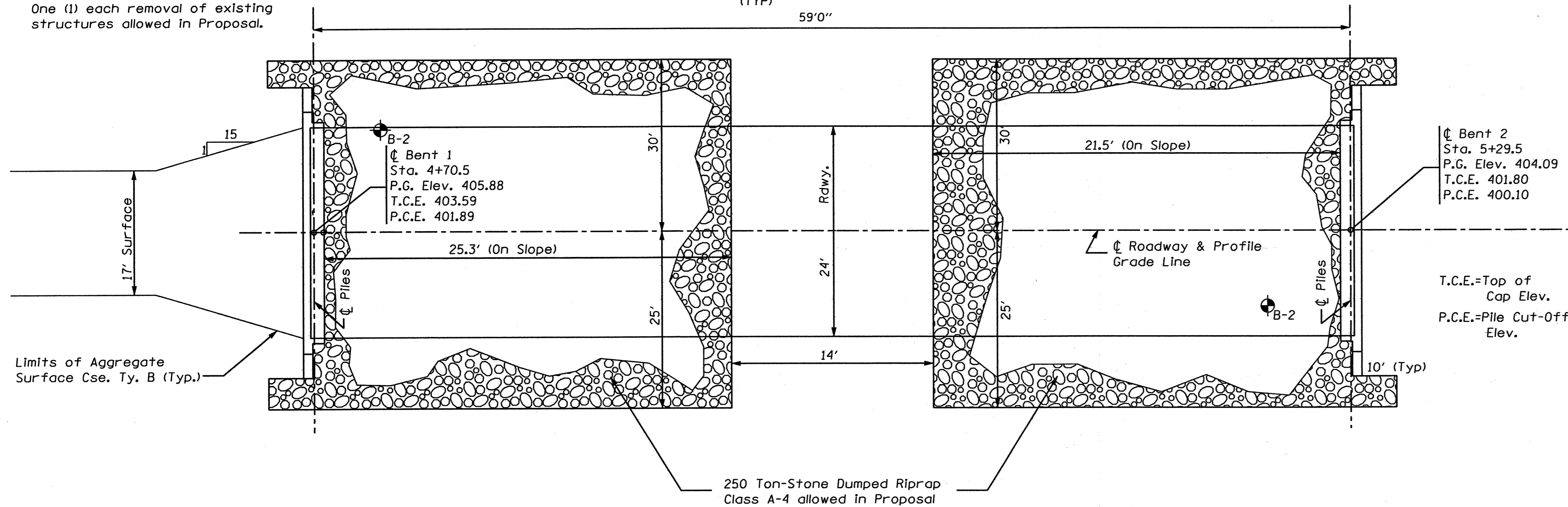
5

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.)

250 Ton-Stone Dumped Riprap
Class A-4 allowed in Proposal

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.

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

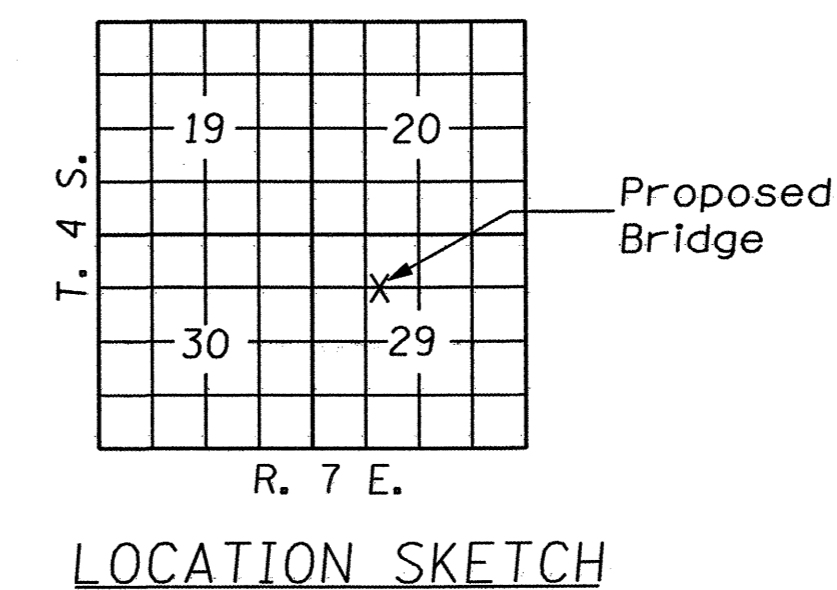
ARTICLE/SECTION NO. REFERENCE TABLE

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

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.	Q 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	Sub.		Total
		Super	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.