F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
239A	04-08125-00-BR	HAMILTON	12	5
FED. ROAD DIST. NO. 9	ILLINOIS	LAKEY CREEK		
PROJECT # BROS-065(38)		CONTRACT NO. 99288		

LEC JOB # H06IL018HM

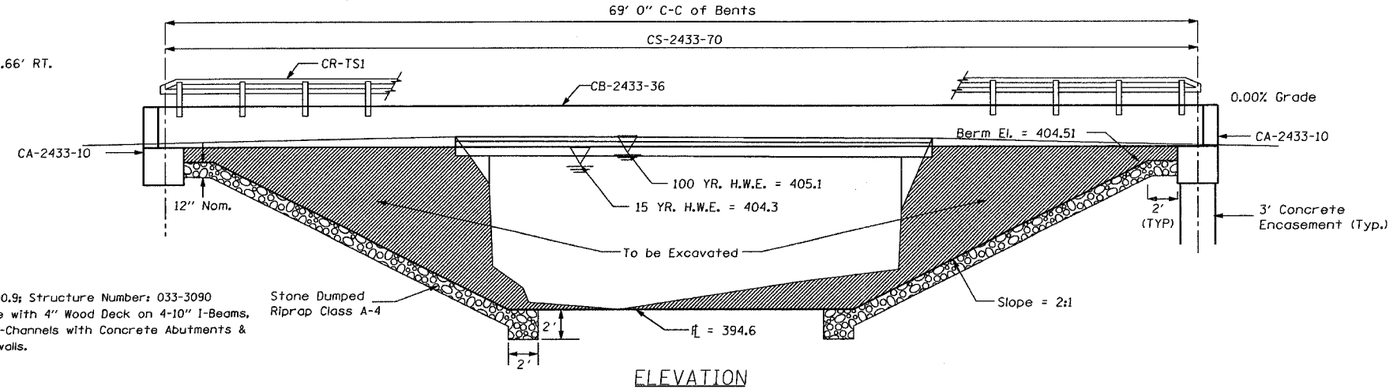
323 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
PHONE:
(618)-262-8651
FAX:
(618)-263-3327

405 W. STATE ST.
SUITE1
PRINCETON, IN
47670
PHONE:
(812)-386-7611
FAX:
(812)-385-2812

LAMC ENGINEERING CO.

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

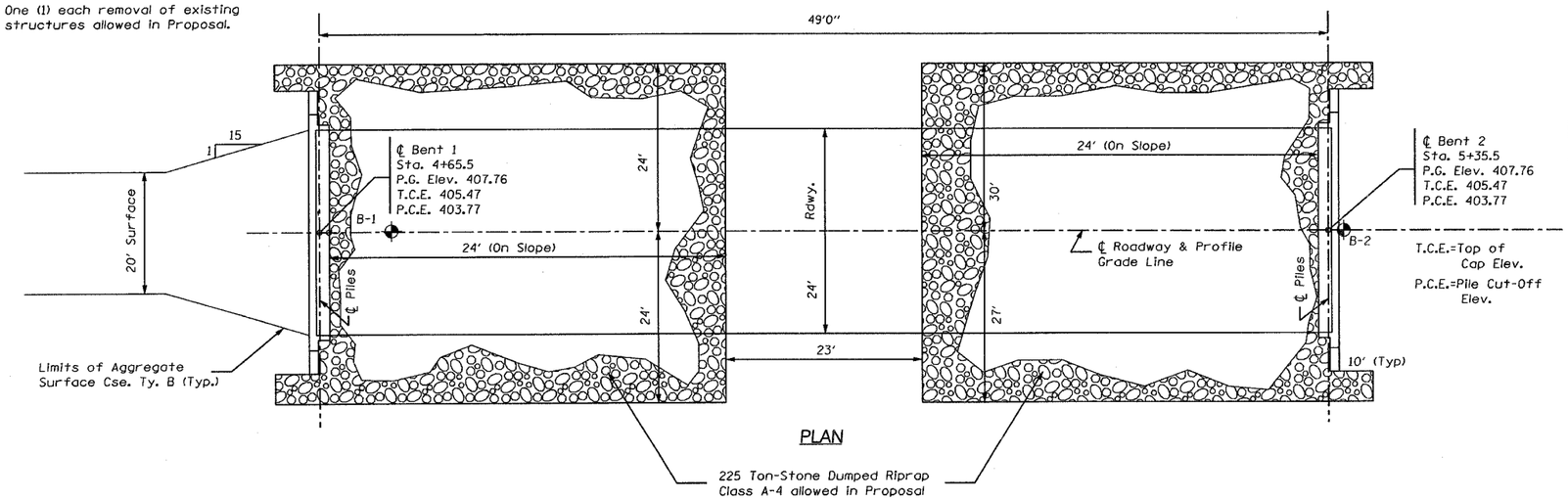
B.M.- I.P. ±9+90.80, 8.66' RT.
Elev. = 404.86



Existing Bridge Sta 5+00.9; Structure Number: 033-3090
A 30' Single Span Bridge with 4" Wood Deck on 4-10" I-Beams, 5-12" I-Beams & 2-12" C-Channels with Concrete Abutments & 2' Thick Concrete Wingwalls.

ELEVATION

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



PLAN

N

GENERAL NOTES

1. The Contractor shall drive one test pile, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
2. See Special Provisions for boring logs.
3. ~~A Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for Precast Prestressed Concrete Deck Beams.~~
4. ~~The Bit. Conc. Surf. Cse. Superpave and the Waterproofing Membrane System shown in these Plans shall not be provided.~~
5. The Steel H-Piles shall be according to AASHTO M270 Grade 50.

Item	Unit	Super	Sub. Piers	Sub. Abuts.	Total
Removal of Existing Structures	L Sum				1
~~Bit. Conc. Surf. Cse. Superpave~~	~~Tons~~				
~~Waterproofing Membrane System~~	~~Sq.Yds.~~				
Concrete Structures	Cu.Yds.			19.2	19.2
P.P. Conc. Dk. Bm. 33" Dp.	Sq.Ft.	1680			1680
Steel Railing, Type S1	Lin.Ft.	140			140
Reinforcement Bars	Lbs.			2340	2340
Furnishing Steel Piles HP10X42	Lin.Ft.			261	261
Driving Piles	Lin.Ft.			261	261
Test Pile Steel HP10X42	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu.Yds.			2.6	2.6
Pile Shoes	Each			10	10

NOTE: See sheet two (2) of these plans for the Schedules of Traffic Barriers and Curled End Sections required on this Section.

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.

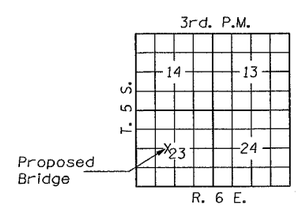
PILE DATA (2-ABUTS.)

Type:	Steel Piles HP10X42
Nominal Required Bearing:	330 Kips
Allowable Resistance Available:	80 Kips
Estimated Length:	29 Feet/Pile
Number Required:	10 (Includes 1 Test Pile)

STATION 5+00
LAKEY CREEK
SEC. 04-08125-00-BR BUILT 20
PROJECT NO. BROS-065(38)
HAMILTON COUNTY
LOADING HS 20-44
STR. NO. 033-3304

LETTERING FOR NAME PLATE

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



LOCATION SKETCH

INDEX OF SHEETS

1. General Plan & Elevation
2. Standard CS-2433-70
3. Standard CB-2433-36
4. Standard CA-2433-10
5. Standard CR-TS1
6. Standard CN
7. Standard CX-1

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 = 5.1 Sq. Mi. Low Grade Elev. = 404.56 At Sta. 8+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq.Ft. Exist.	Opening Sq.Ft. Prop.	Natural H.W.E.	Head-Ft. Exist.	Head-Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	15	1665	237	421	404.3	0.50	0.13	404.80	404.43
Base	100	2623	246	461	405.1	2.51	0.66	407.61	405.76
Overtopping									
Max. Calc.	500	3395							

GENERAL PLAN & ELEVATION

TOWNSHIP ROUTE 239A
OVER LAKEY CREEK
SECTION 04-08125-00-BR
HAMILTON COUNTY
STATION 5+00

McLEANSBORO TOWNSHIP
OVER LAKEY CREEK
HAMILTON COUNTY, ILLINOIS

AARON M. MEFFORD
56284
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

AARON M. MEFFORD
NAME
SIGNATURE
3-28-07
DATE
11-30-07
EXPIRES

SHEET TITLE:
GENERAL PLAN AND ELEVATION

SCALE:	NONE
BY:	A.M.M.
DATE:	3/28/07
REV:	

5 OF 12 SHEETS

SHEET NO. 5