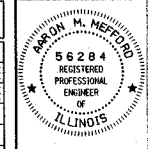


393 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
PHONE:
(618)-262-8651
FAX:
(618)-263-3327

405 W. STATE ST.
SUITE 1
PRINCETON, IN
47870
PHONE:
(812)-398-7611
FAX:
(812)-398-2912



PROFESSIONAL
LAND SURVEYING
FIRM
#048-000682
PROFESSIONAL
ENGINEERING
CORPORATION
#184-000887



AARON M. MEFFORD
NAME
SIGNATURE
DATE
10-17-07
11-30-09
EXPIRES

MILL SHOALS TOWNSHIP
OVER SOUTHERN OUTLET
WHITE COUNTY, ILLINOIS

SHEET TITLE:

GENERAL PLAN
AND ELEVATION

SCALE: NONE
BY: A.M.M.
DATE: 8887
REV:

5 OF 15
SHEETS

SHEET NO.
5

B.M. I.P. ±4+45.67, 16.74' LT.
Elev. = 379.69

Existing Bridge Sta 4+98.2;
Structure Number: 097-3039
A 65' Long Triple Span Bridge
with 2.5" Wood Runners with a
3" Wood Deck on 7-14" I-Beams
with Concrete Abutments &
1.1' Thick Concrete Wingwalls.

One (1) each removal of existing
structures 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.

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

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

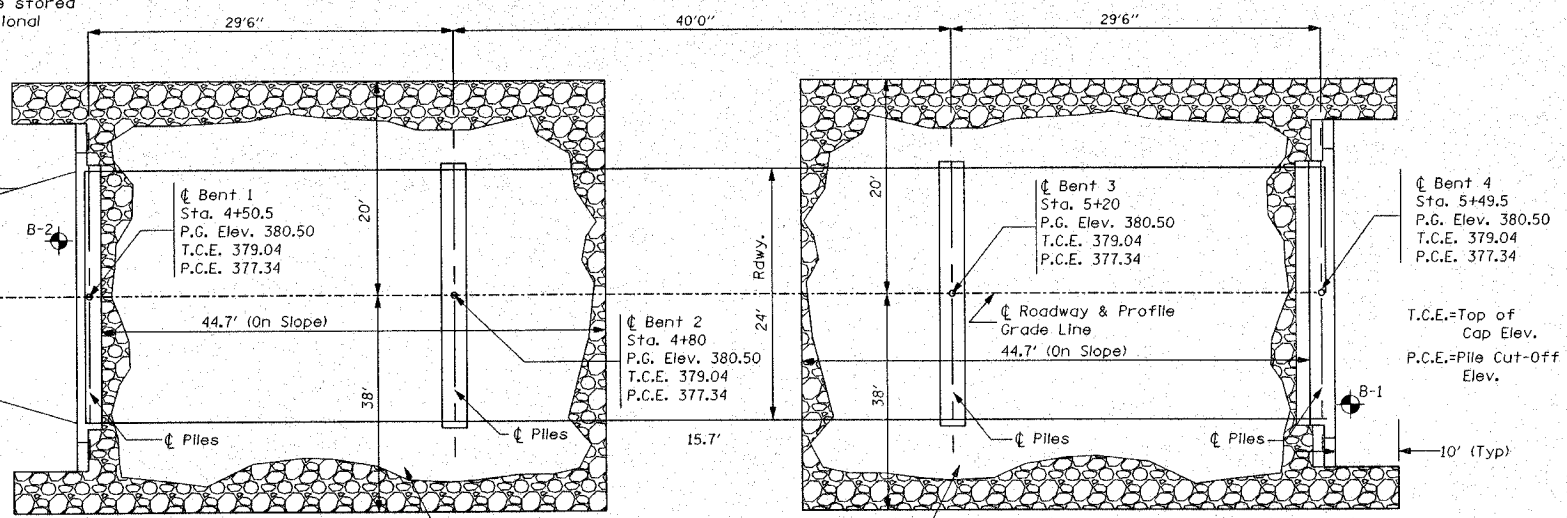
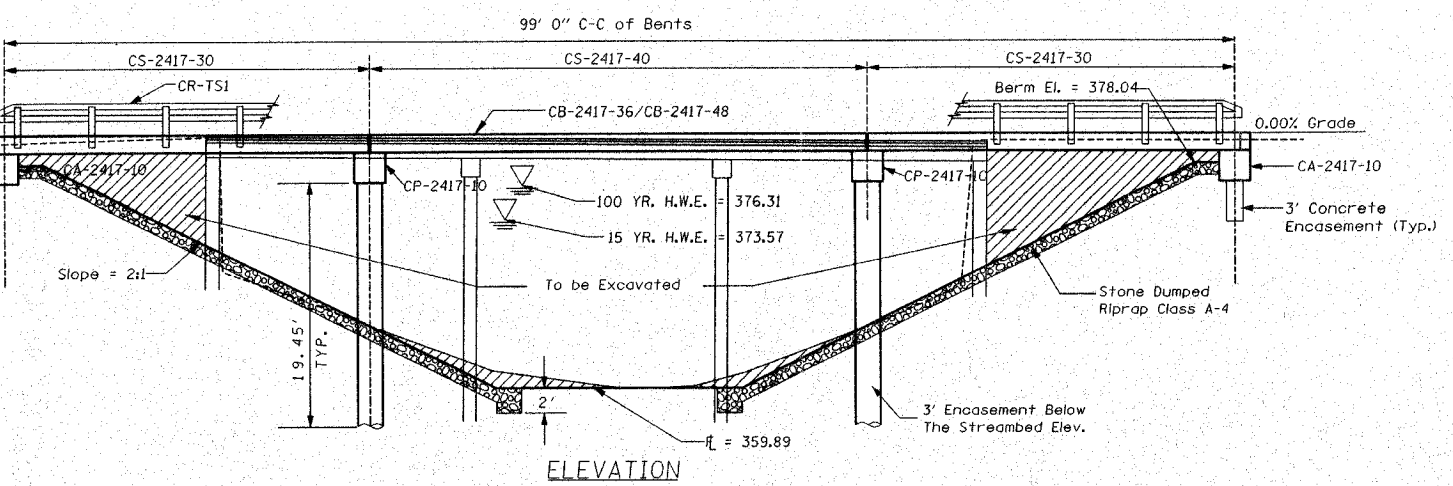
DESIGN SPECIFICATIONS

2002 AASHTO
HS 20-44 Loading, Load Factor Design

SEISMIC DATA

Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.10g
Site Coefficient (S) = 1.5

ILLINOIS STRUCTURAL NO. 6529
Complies with 2002 AASHTO
Specifications for Seismic Design
of Bridges.



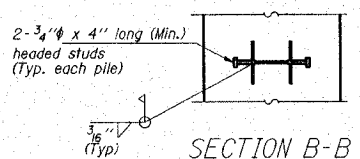
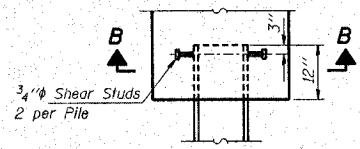
630 Ton-Stone Dumped Riprap
Class A-4 allowed in Proposal

PILE DATA (NORTH ABUT)
Type: Steel Piles HP10X42
Nominal Required Bearing: 156 Kips
Allowable Resistance Available: 52 Kips
Estimated Length: 45 Feet/Pile
Number Required: 4

PILE DATA (NORTH PIER)
Type: Steel Piles HP10X42
Nominal Required Bearing: 335 Kips
Allowable Resistance Available: 112 Kips
Estimated Length: 62 Feet/Pile
Number Required: 4 (Includes 1 Test Pile)

PILE DATA (SOUTH PIER)
Type: Steel Piles HP10X42
Nominal Required Bearing: 335 Kips
Allowable Resistance Available: 112 Kips
Estimated Length: 65 Feet/Pile
Number Required: 4

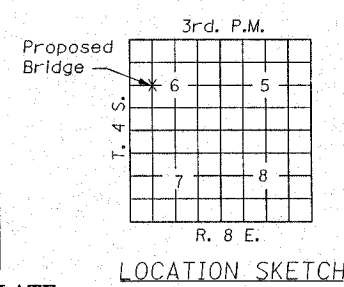
PILE DATA (SOUTH ABUT.)
Type: Steel Piles HP10X42
Nominal Required Bearing: 156 Kips
Allowable Resistance Available: 52 Kips
Estimated Length: 50 Feet/Pile
Number Required: 4



STATION 5+00
SOUTHERN OUTLET
SEC. 06-09124-00-BR BUILT 20
PROJECT NO. BR05-193(32)
WHITE COUNTY
LOADING HS 20-44
STR. NO. 097-3259

LETTERING FOR NAME PLATE

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



INDEX OF SHEETS

1. General Plan & Elevation
2. Standard CS-2417-30
3. Standard CS-2417-40
4. Standard CB-2417-36
5. Standard CB-2417-48
6. Standard CA-2417-10
7. Standard CP-2417-10
8. Standard CR-TS1
9. Standard CN
10. Standard CX-1

WATERWAY INFORMATION

Drainage Area = 28.5 Sq. Mi. Low Grade Elev. = 376.94 At Sta. 2+00

Flood Design	Freq. Yr.	C.F.S.	Opening Sq.Ft.		Natural H.W.E.	Head-Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
0									
15	2976	603	644	373.57		0.12		373.69	
100	4653	768	863	376.31	0.22	0.15	376.53	376.46	
Max. Calc.	500	6002							

GENERAL PLAN & ELEVATION
TOWNSHIP ROUTE 18
OVER SOUTHERN OUTLET
SECTION 06-09124-00-BR
WHITE COUNTY
STATION 5+00