

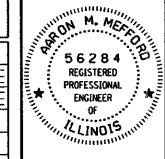
| C.H. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|----------------|--------------------|--------------|-----------|
| 13 | 06-00100-00-BR | WHITE | 13 | 5 |
| FED. ROAD DIST. NO. 9 ILLINOIS | | LIMEKILN CREEK | | |
| PROJECT # BROS-193(25) | | CONTRACT NO. 99305 | | |
| LEC JOB # H061025MH | | | | |

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P.O. BOX 160
MT. CARMEL, IL
62863
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FAX:
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PRINCETON, IN
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PROFESSIONAL
LAND SURVEYING
FIRM:
048-00082
PROFESSIONAL
ENGINEERING
CORPORATION:
184-00087



AARON M. MEFFORD
NAME
Aaron Mefford
SIGNATURE
9-27-07
DATE
11-30-07
EXPIRES

COUNTY HIGHWAY 13
OVER LIMEKILN CREEK
WHITE COUNTY, ILLINOIS

SHEET TITLE:

GENERAL PLAN
AND ELEVATION

SCALE: NONE

BY: A.M.M.

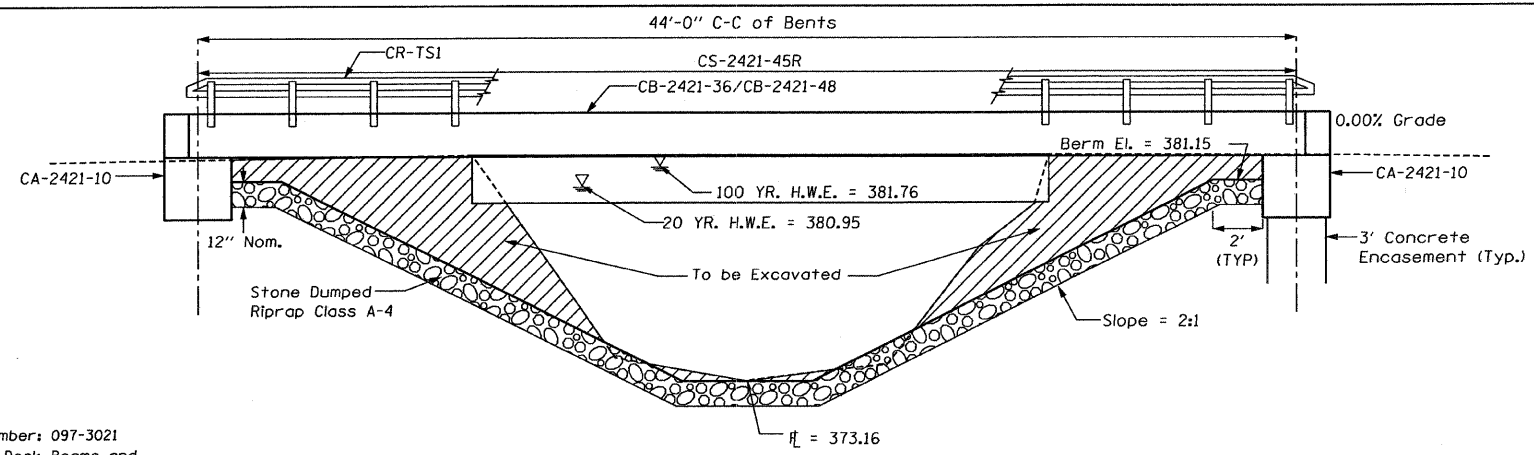
DATE: 06/07

REV:

5 OF 13
SHEETS

SHEET NO.
5

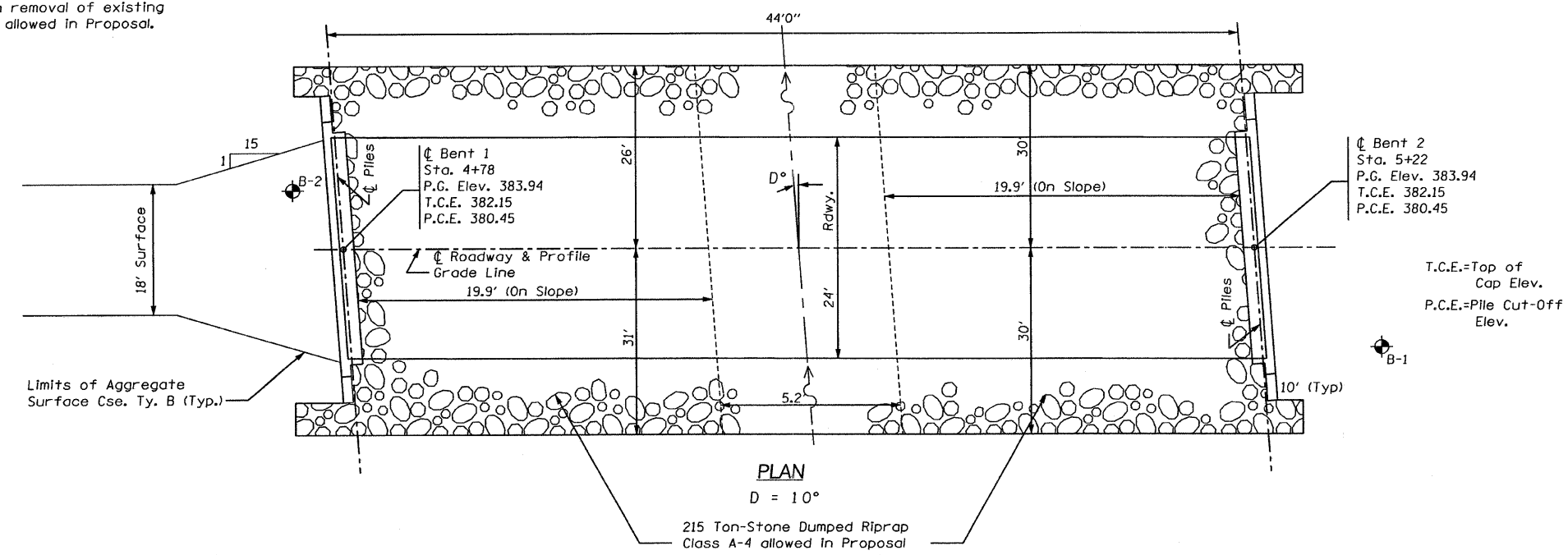
B.M. I.P. ±5+67.95, 16.33' RT.
Elev. = 380.59



ELEVATION

Existing Bridge Sta 5+00; Structure Number: 097-3021
A 26' Single Span Bridge with 23" Thick Deck Beams and
Guardrail on Wooden Piling, Wooden Wingwalls, & Wood Mudwalls.

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



PLAN

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 |

NORTH ABUT. PILE DATA

Type: Steel Piles HP10X42
Nominal Required Bearing: 335 Kips
Allowable Resistance Available: 68 Kips
Estimated Length: 62 Feet/Pile
Number Required: 4

SOUTH ABUT. PILE DATA

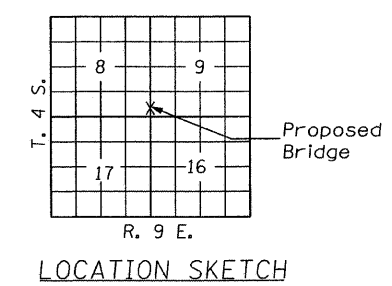
Type: Steel Piles HP10X42
Nominal Required Bearing: 335 Kips
Allowable Resistance Available: 68 Kips
Estimated Length: 54 Feet/Pile
Number Required: 4

DESIGN SPECIFICATIONS

2002 AASHTO
HS 20-44 Loading, Load Factor Design

STATION 5+00
LIMEKILN CREEK
SEC. 06-00100-00-BR BUILT 20
PROJECT NO. BROS-193(25)
WHITE COUNTY
LOADING HS 20-44
STR. NO. 097-3251

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-2421-45R
3. Standard CB-2421-36
4. Standard CB-2421-48
5. Standard CA-2421-10
6. Standard CR-TS1
7. Standard CN
8. Standard CX-1

| Item | Unit | Super | Sub. Piers | Abuts. | Total |
|---------------------------------|---------|-------|------------|--------|-------|
| Removal of Existing Structures | L Sum | | | | 1 |
| Bit. Conc. Surf. Cse. Superpave | Tons | | | | |
| Waterproofing Membrane System | Sq.Yds. | | | | |
| Concrete Structures | Cu.Yds. | | | 17.2 | 17.2 |
| P.P. Conc. Dk. Bm. 21" Dp. | Sq.Ft. | 1080 | | | 1080 |
| Steel Railing, Type S1 | Lin.Ft. | 90 | | | 90 |
| Reinforcement Bars | Lbs. | | | 2240 | 2240 |
| Furnishing Steel Piles HP10X42 | Lin.Ft. | | | 464 | 464 |
| Driving Piles | Lin.Ft. | | | 464 | 464 |
| Pile Shoes | Each | | | 8 | 8 |
| Name Plates | Each | | | 1 | 1 |
| Concrete Encasement | Cu.Yds. | | | 2.1 | 2.1 |

NOTE: TYPE 5A AND A TRAFFIC BARRIER TERMINAL TYPE 1 SHALL BE PLACED ON THE
SE AND NW CORNERS.
TWO (2) EACH CURLED END SECTIONS REQUIRED ON THE NE AND SW CORNERS.
ITEM TO BE INCLUDED IN THE STEEL RAILING.

WATERWAY INFORMATION

Drainage Area = 2.4 Sq. Mi. Low Grade Elev. = 381.98 At Sta. 7+80

| 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 | 20 | 679 | 102.1 | 159.3 | 380.95 | | 0.09 | | 381.04 |
| Base | 100 | 996 | 102.1 | 191.0 | 381.76 | 0.55 | 0.18 | 382.31 | 381.94 |
| Max. Calc. | 500 | 1299 | | | | | | | |

GENERAL PLAN & ELEVATION

COUNTY ROUTE 13
OVER LIMEKILN CREEK

SECTION 06-00100-00-BR
WHITE COUNTY

STATION 5+00