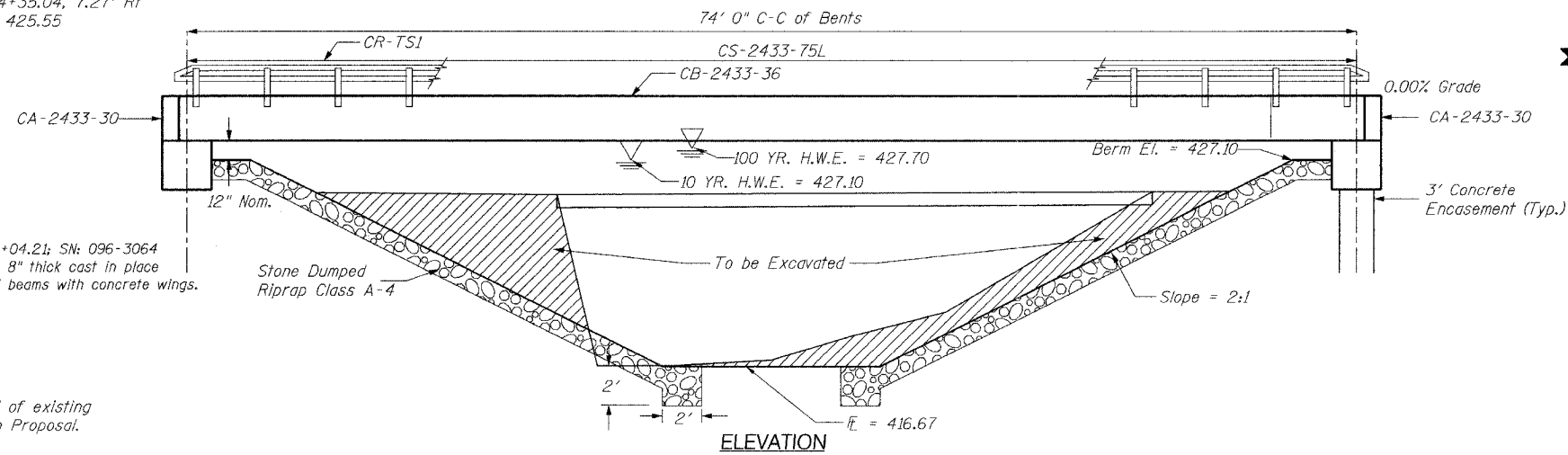
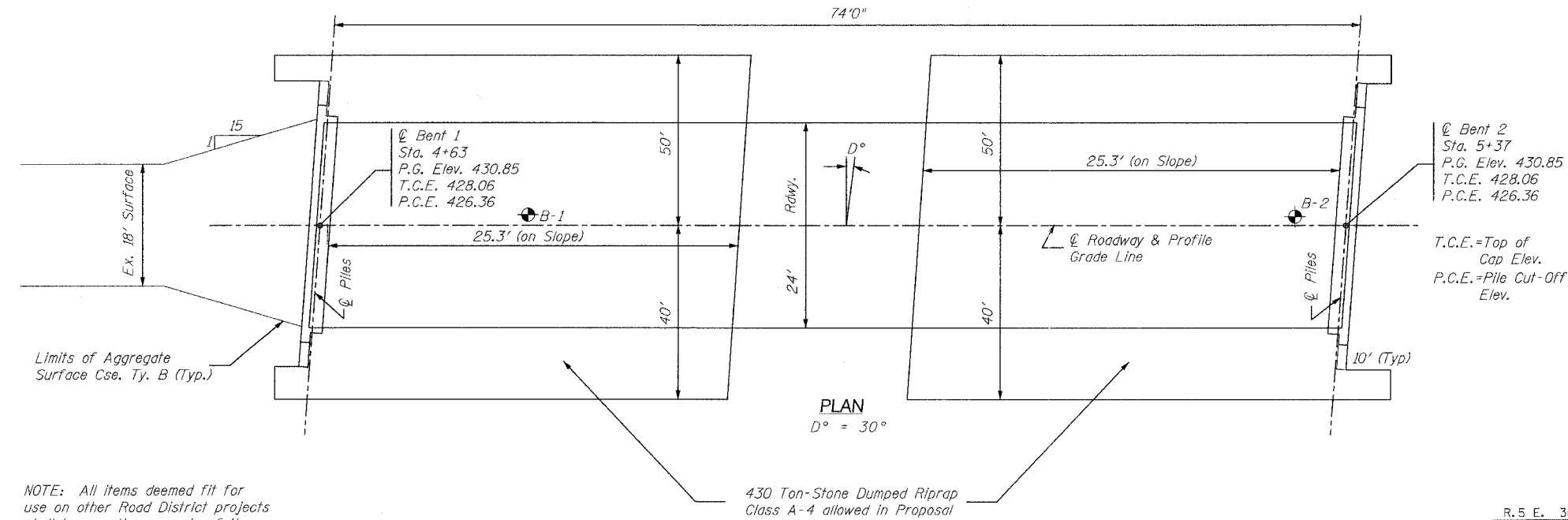


T.B.M. I.P. ± Sta. 4+35.04, 7.27' Rt
Elevation = 425.55



Existing Bridge STA 5+04.21; SN: 096-3064
A 30' long bridge with 8" thick cast in place
concrete deck on steel beams with concrete wings.

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



NOTE: All items deemed fit for
use on other Road District projects
shall become the property of the
said Road District. 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, 2002) 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 |
| 706.05 | 1006.05 |
| 706.32 | 1006.32 |
| 760.07 | 1060.07 |
| STD 2340 | STD 631026 |

DESIGN SPECIFICATIONS
2002 AASHTO
HS 20-44 Loading, Load Factor Design

PILE DATA (2-ABUTS.)
Type: Steel Piles HP10X42
Capacity: Drive to Refusal
Estimated Length: 20 Feet
Number Required: 10 *Includes 1 Test
Pile in Bent #1*

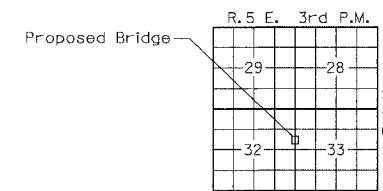
STATION 5+00
TURNER CREEK
SEC. 03-18108-00-BR BUILT 20
PROJECT NO. BROS-191(49)
WAYNE COUNTY
LOADING HS20-44
STR. NO. 096-3442

LETTERING FOR NAME PLATE
Locate Name Plate at the Southeast
Corner of the Bridge (See Sd. CN)

WATERWAY INFORMATION

| Drainage Area = 6.8 Sq. Mi. Low Grade Elev. = 426.62 At Sta. 8+85 | | | | | | | | | |
|---|-----------|----------|----------------|----------|----------------|----------|-------|---------------|--------|
| 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 | 10 | 1300 | 180* | 424.8** | 427.10 | 0.23 | 0.23 | 427.33 | 427.33 |
| Base | 100 | 2300 | 180** | 461.9*** | 427.70 | 2.39 | 0.93 | 430.09 | 428.63 |
| Overtopping | | | | | | | | | |
| Max. Calc. | 500 | 3005 | | | | | | | |

* Area Over Road = 705 Sq Ft
** Area Over Road = 1513 Sq Ft
*** Area Over Road = 73 Sq Ft
**** Area Over Road = 411 Sq Ft



LOCATION SKETCH

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.
- Class SI Concrete shall be used throughout except in the deck beams.
- See Special Provisions for boring logs.
- A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
- The Diff. Conc. Surf. Cse. Class I and the Waterproofing Membrane System shown in these Plans shall not be provided.

| Item | Unit | Super | Sub. | | Total |
|--------------------------------|---------|-------|-------|--------|-------|
| | | | Piers | Abuts. | |
| Removal of Existing Structures | L. Sum | | | | 1 |
| Diff. Conc. Surf. Cse. Class I | Tons | | | | |
| Waterproofing Membrane System | Sq.Yds. | | | | |
| Concrete Structures | Cu.Yds. | | 22.6 | | 22.6 |
| P.P. Conc. Dk. Bm. 33" Dp. | Sq.Ft. | 1800 | | | 1800 |
| Steel Railing, Type S1 | Lin.Ft. | 150 | | | 150 |
| Reinforcement Bars | Lbs. | | 2680 | | 2680 |
| Furnishing Steel Piles HP10X42 | Lin.Ft. | | 180 | | 180 |
| Driving Steel Piles | Lin.Ft. | | 180 | | 180 |
| Test Pile Steel HP10X42 | Each | | 1 | | 1 |
| Name Plates | Each | | 1 | | 1 |
| Concrete Encasement | Cu.Yds. | | 2.6 | | 2.6 |

NOTE: Four (4) Each Curled End Sections required. Item to be included in the Steel Railing.

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2433-75L
- Standard CB-2433-36
- Standard CA - 2433-30
- Standard CR -TS1
- Standard CN
- Standard CX-1

| GENERAL PLAN & ELEVATION | |
|--------------------------|----------------|
| TOWNSHIP | ROUTE 82 |
| OVER | TURNER CREEK |
| SECTION | 03-18108-00-BR |
| | WAYNE COUNTY |
| STATION | 5+00 |

| | | | | |
|------------------------|----------------|------------------|--------------|-----------|
| T.R. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 82 | 03-18108-00-BR | WAYNE | 12 | 5 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | TURNER CREEK | |
| PROJECT # BROS-191(49) | | CONTRACT # 95476 | | |
| LEC JOB # H44107WA | | | | |

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(618)-262-8651
FAX:
(618)-263-3327

405 W. STATE ST
SUITE 1
PRINCETON, IN
47170
PHONE:
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FAX:
(812)-385-2812

LAMAC
ENGINEERING CO.

PROFESSIONAL DESIGN FIRM
LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
184-00087
(62-032435)(35-002769)

AARON M. MEFFORD
NAME
SIGNATURE
7-11-06
DATE
11-30-07
EXPIRES

ORCHARD TOWNSHIP
TOWNSHIP ROUTE 82
WAYNE COUNTY, ILLINOIS

SHEET TITLE:
GENERAL PLAN AND ELEVATION

SCALE: NONE
BY: AMM
DATE: 6/5/06
REV:

5 OF 12 SHEETS

SHEET NO.
5