

SECTION THRU PILE SUPPORTED
STUB ABUTMENT
*Included in the cost of Pipe Underdroins for Structure
(See Special Provisions)

Notes:
All
bacainage system components shall extend porallel to the obutment
buntil they intersect the winowalls. The pioe shall extend under the wingwall, if necessary, until intersecting the side slopes.
The pipes shall drain into concrete heodwalls. Seee Article 601.05 of The pipes shall drain into concrete headwolls. (See AAticie 60.05
the Stondard Speoifications and Highwoy Standard 6ollol). Remandard Specifications and Highway Standard 601101).
Removal of Exisising Structures No 1 is for NB S.N. O46-0003.
Removal of Existing Structures No. 2 is for SB S.N. $046-0004$.


SECTION A-A


SECTION B-B

WATERWAY INFORMATION


DESIGN SCOUR ELEVATION TABLE

TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | total |
| :---: | :---: | :---: | :---: | :---: |
| Stone Riprop, Class A5 | Sq. Y C . |  | 2,534 | 2,5 |
| Filter Fobric | Sq. Yd. |  | 2.534 | 2,5 |
| Removal of Existing Structures No. 1 | Each |  |  |  |
| Removal of Existing Structures No. 2 | Each |  |  | 1 |
| Structure Excovation | Cu. Yd. |  | 314.2 |  |
| Cofferdam Excavation | Cu. Yd. |  | 885.2 | 885. |
| Cofferdam (Type 2) (Location - 1) | Each |  | 1 | 1 |
| Cofferdam (Type 2) (Location - 2) | Each |  | 1 |  |
| Cofferdam (Type 2) (Location - 3) | Each |  | 1 | 1 |
| Cofferdam (Type 2) (Location - 4) | Each |  | 1 | 1 |
| Cofferdam (Type 2) (Location - 5) | Each |  | 1 |  |
| Cofferdam (Type 2) (Location - 6) | Each |  | 1 |  |
| Cofferdam (Type 2) (Location - 7) | Each |  | 1 | 1 |
| Cofferdam (Type 2) (Location - 8) | Each |  | 1 |  |
| Concrete Structures | Cu. Yd. |  | 1,497.9 | 1.49 |
| Concrete Superstructure | Cu. Yd. | 2,640.2 |  | 2,640, |
| Bridge Deck Grooving | Sq. Yd. | 7,987 |  | 7,987 |
| Seal Coot Concrete | Cu. Yd. |  | 658 |  |
| Concrete Encosement | Cu. Yd. |  | 37.2 | 37.2 |
| Protective Coot | Sq. Y Y. | 9,937 |  | 9,937 |
| Furnishing and Erecting Structural <br> Steel | L. Sum | 1 |  | 1 |
| Stud Shear Connectors | Each | 25,152 |  | 25,152 |
| Reinforcement Bars | Pound |  | 346,270 | 346,270 |
| Reinforcement Bars, Epoxy Cooted | Pound | 708,320 | 37,250 |  |
| Bor Solicers | Each |  | 1,948 | 1,948 |
| Mechanical Splicers | Each |  | 768 | 768 |
| Furnishing Steel Piles HP 14x73 | Foot |  | 3,392 |  |
| Driving Piles | Foot |  | 3,392 | , 392 |
| Test Pile Steel HP $14 \times 73$ | Each |  | 4 | 4 |
| Pile Shoes | Each |  | 68 | 68 |
| Name Plates | Each | 2 |  |  |
| Permonent Casing | Foot |  | 849.6 | 849.6 |
| Drilled Shaft in Soil | Cu. Yd. |  | 878.7 | 878.7 |
| Drilled Shaft in Rock | Cu. Yd. |  | 188.8 | 188 |
| Anchor Bolts, $1^{\prime \prime}$ | Each | 48 |  | 48 |
| Anchor Bolts, $\mathrm{l}_{2}{ }^{\prime \prime}$ | Each | 168 |  | 168 |
| Concrete Sealer | Sq. Ft. |  | 2,892 | 2,892 |
| Geocomposite Wall Drain | Sq. Yd. |  | 212.3 | 212.3 |
| Drainage Scuppers, DS-11 | Each | 16 |  | 16 |
| Modular Expansion Joint 6" | Foot | 98 |  |  |
| Modulor Exponsion Joint 9" | Foot | 98 |  | 98 |
| Pipe Underdrains for Structures 4" | Foot |  | 352 | 352 |
| High Load Multi-Rotational Bearings, Guided Expansion, 200k | Each | 24 |  | 24 |
| High Load Multi-Rotational Bearings, Guided Expansion, 500k | Each | 12 |  | 12 |
| High Load Multi-Rotational Bearings, Guided Exponsion, 550k | Each | 24 |  | 24 |
| High Load Multi-Rotational Bearings, Fixed, 500k | Eoch | 12 |  | 12 |
| Granular Bockfill for Structures | Cu. Yd. |  | 556.8 | 556.8 |
|  |  |  |  |  |

## GENERAL NOTES

Fosteners shall be ASTM A 325 Type I, mechanicaly galvanized bolts in
pointed oreas ond ASM A325 Thye 3 in unpointed oreas. Bolts $7_{8}$ in. $\phi$, holes ${ }_{156}$ in. $\phi$, unless otherwise noted.
All structural steel shall be A ASHTO $=3,880,570$ Lbs.
All structural steel shall he Reinforcement bars designoted (E) shall be epoxy coated Bearing seat surfaces shall be constructed or adjusted to the designated elither by grinding the surface or by shimming the bearings.
concrete seal shall be mode
sholl fe applied to the designoted areas of the abutments. The existing structural steel cooting contains lead. The Contractor shall tok appropriote precautions to deal with the presence of lead on this project. And sll expural steel within o tistance of lof fo eoch way from the deck joints pointed os specified in Section 506 of the Standard Specificactions.
Layout of the slope protection system may be varied to suit ground conditions Lo the field os directed by the Engineer.
in the Controctor shall obtain a construction
The Contractor shall obtoin o colnstruction permit from the Illinois Department
of Natural Resourches (IDNR), office of Water Resources for of Natural Resources (IINR), office of Water Resources for any yemporary
construction accivity placeed in the water except cofferdams. This shall includ the placement of moterial for run-arounds. causewoys, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction
permit number allowing permanent construction as shown in the contract plans.
 shall be submitted to the Engineer for approval with the cofferdam design.

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| STATION 260+90.00 BUILT 201 BY STATE OF Illinois <br> F.A.I. RT. 57 SEC. (140)BR\&BR-1 LOADING HL-93 STRUCTURE NO. 046-0135 |
| :---: |

## NAME PLATES

| Desicove | DAVID H. RICHTER | Examineo | F. Ahth | Date | OcToser 4, 2013 |  | GENER |  | A. | SEction | countr |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CHECKED | JUSTIN T. BELUE |  |  |  |  | STATE OF ILLINOIS | STRUCTURE N0. $046-0135$ (NB) \& $046-0136$ (SB) |  | 57 | 14018R888R-1 | KANKAKEE | 183 42 |
| DRANN | MICHAEL B. MOSSMAN |  | Cal | $\frac{\text { Revisel }}{\text { REVISED }}$ |  |  | SHEET No. 2 OF 79 SHEETS |  |  |  | COnTRact | No. 66750 |

