ITEM

Furnishing and Erecting Precast Prestressed

Porous Granular Embankment (Special)

Stone Riprap, Class A4

Removal of Existing Structures

Filter Fabric

Floor Drains

Bar Splicers

Driving Piles

Name Plates

Anchor Bolts, ⁵8

Anchor Bolts, 14

Mechanical Splicer

Location 1

Location 2

Location 3

Location 4

Geocomposite Wall Drair

Concrete Sealer

Protective Coat

Structure Excavation

Cofferdam Excavation

offerdams, Location

Cofferdams, Location :

Cofferdams, Location 3

offerdams, Location 4

Concrete Superstructure

Concrete Bulb T-Beams, 72"

Furnishing Steel HP 14x73

Test Piles, Steel HP 14x73

Preformed Joint Strip Seal

Reinforcement Bars, Epoxy Coated

lastomeric Bearing Assembly, Type

Pipe Underdrains for Structures, 4

Diamond Grinding (Bridge Section)

Temporary Soil Retention System

Underwater Structure Excavation Protection,

Underwater Structure Excavation Protection,

Underwater Structure Excavation Protection,

Underwater Structure Excavation Protection,

Concrete Structures

Bridge Deck Grooving

Concrete Encasement

Seal Coat Concrete

Cu. Yd.

Sq. Yd.

Sq. Yd.

Sq. Yd.

Each

Cu. Yd.

Cu. Yd.

Each Each

Each

Each

Each

Cu. Yd.

Sq. Yd.

Cu. Yd.

Foot

Pound

Each

Foot

Foot

Each

Fach

Each

Each

Sg. Ft.

Sq. Yd.

Each

Each

Each

Each

Each

Sq. Yd. 4630

Each 184

6091

1944.7

4861

6387

445060

3158

PIER

4244V 4244V

6387

17344

184 28

185

1548

4630

1638

2

460

1051

1289

368.0

32.8

32680

56

185

12

1638

284 456 3948 13396

3948 | 13396 | 17344

15.36

1

1

1

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE), Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design. Slip forming of the concrete parapet is not allowed.

DESIGN STRESSES FIELD UNITS

f'c = 3,500 psi fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi f'ci = 5,000 psi

 $fpu = 270,000 \ psi \ (low \ lax. \ _2" \ dia. strands)$ $fpbt = 201,960 \ psi \ (low \ lax. \ _2" \ dia. strands)$

DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications 4th Edition with 2008 Interims

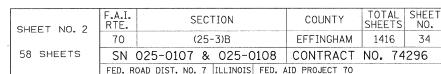
LOADING HL-93

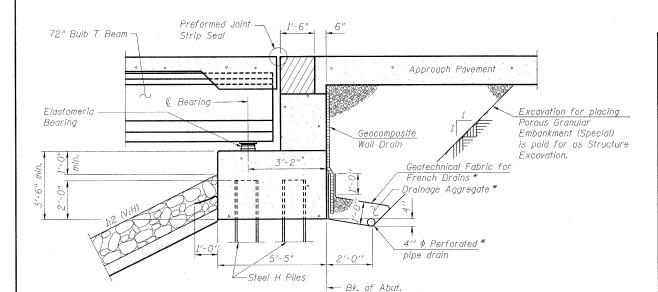
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.22 g Design Spectral Acceleration at 0.2 sec. (SDS) = 0.48 g Soil Site Class = D

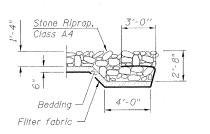
GENERAL DATA S.N. 025-0107 & 025-0108

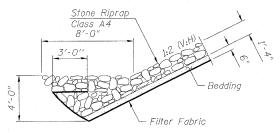




SECTION THRU PILE SUPPORTED STUB ABUTMENT

* Included in the cost of Pipe Underdrain for Structures, 4" All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

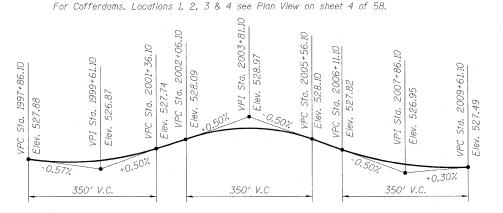




SECTION A-A

SECTION B-B

For Underwater Structure Excavation Protection Locations 1, 2, 3 & 4 see Elevation View on sheet 1 of 58. 4 see Plan View on sheet 4 of 58.



PROFILE GRADE (E.B. & W.B. F.A.I. Rte. 70.

DESIGNED B.B. CHECKED A.C.S. DRAWN CHECKED C.J.F. & B.B.

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