

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.
Bolts 7/8" φ, holes 15/16" φ, unless otherwise noted.

Calculated weight of Structural Steel = 856,130 lbs (AASHTO M270 Grade 50)
Calculated weight of Structural Steel = 37,080 lbs (AASHTO M270 Grade 36)

Field welding of construction accessories will not be permitted to beams or girders.

Reinforcement bars shall conform to the requirements of ASTM A706, Grade 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing.

Concrete Sealer shall be applied to the abutment backwalls, bridge seats, and front face of caps.

Protective coat shall be applied to the entire top surface of the bridge deck, the top surface of the multi-use path, the top and inside face of the N. Parapet, and the top and both faces of the S. Parapet.

The inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be reddish brown, Munsell No. 2.5YR 3/4. See Special Provision for Cleaning and Painting New Metal Structures.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water, except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to IDNR Floodway Construction permit number 3704 allowing permanent construction as shown on the contract plans.

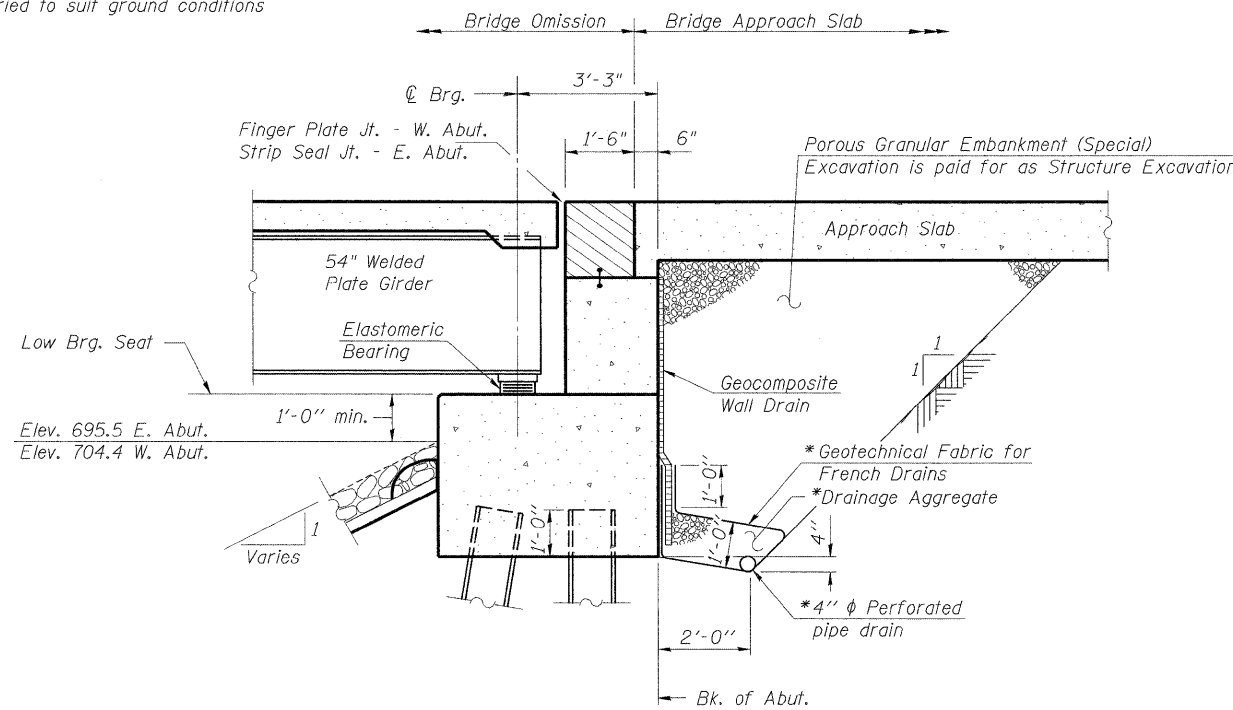
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	---	170.8	170.8
Stone Riprap, Class A4	Sq. Yd.	---	218	218
Stone Riprap, Class A5	Sq. Yd.	---	90	90
Filter Fabric	Sq. Yd.	---	308	308
Removal of Existing Structures	Each	1	---	1
Slope Wall Removal	Sq. Yd.	---	72	72
Structure Excavation	Cu. Yd.	---	330	330
Cofferdam Excavation	Cu. Yd.	---	425.0	425.0
Cofferdams (Pier 1)	Each	---	1	1
Cofferdams (Pier 2)	Each	---	1	1
Floor Drains	Each	14	---	14
Concrete Structures	Cu. Yd.	---	428.7	428.7
Concrete Superstructure	Cu. Yd.	774.1	---	774.1
Seal Coat Concrete	Cu. Yd.	---	151.1	151.1
Bridge Deck Grooving	Sq. Yd.	1601	---	1601
Concrete Encasement	Cu. Yd.	---	15.3	15.3
Protective Coat	Sq. Yd.	2928	---	2928
Furnishing and Erecting Structural Steel	L. Sum	1	---	1
Stud Shear Connectors	Each	4536	---	4536
Reinforcement Bars, Epoxy Coated	Pound	195,160	54,010	249,170
Bar Splicers	Each	---	91	91
Bicycle Railing	Foot	486.6	---	486.6
Parapet Railing	Foot	514.5	---	514.5
Furnishing Steel Piles, HP 14x73	Foot	---	2136	2136
Driving Piles	Foot	---	2136	2136
Test Pile Steel HP 14x73	Each	---	4	4
Pile Shoes	Each	---	65	65
Name Plates	Each	1	---	1
Prefarmed Joint Strip Seal	Foot	43.8	---	43.8
Finger Plate Expansion Joint 5"	Foot	43.8	---	43.8
Fabric Reinforced Elastomeric Trough	Foot	46.8	---	46.8
Elastomeric Bearing Assembly, Type II	Each	7	---	7
Elastomeric Bearing Assembly, Type III	Each	7	---	7
Anchor Bolts, 1"	Each	---	28	28
Anchor Bolts, 1 1/4"	Each	---	14	14
Anchor Bolts, 1 1/2"	Each	---	14	14
Concrete Sealer	Sq. Ft.	---	1017	1017
Geocomposite Wall Drain	Sq. Yd.	---	77	77
Pipe Underdrains for Structures 4"	Foot	---	184	184
High Load Multi-Rotation Bearings, Guided Expansion, 400K	Each	7	---	7



SECTION THRU ABUTMENT

* Included in the cost of Pipe Underdrains for Structures.

Note:

All drainage system components shall extend to the inside face of abutment wingwalls 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).

**GENERAL NOTES & DETAILS
STRUCTURE NUMBER 101-3100**

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JOB NO. 03R1807

DATE 10/26/10

SHEET NO. 2

47 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5103	03-00337-00-BR	Winnebago	66	17
CONTRACT NO. 85523			ILLINOIS FED. AID PROJECT	

10/26/2010
 /03/26/09/1807/Struct/Sheet 5-02/Notes/SM.dgn
 LAYOUT: LKR/SMK 08/23/10
 DRAWN: MCM 10/25/10
 REVIEWED: LKR/SMK 10/26/10