

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.
 Bolts $\frac{1}{2}$ " ϕ , holes $\frac{5}{16}$ " ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 73,180 lbs (AASHTO M270 Grade 50)
 Calculated weight of Structural Steel = 4,610 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 $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing.

Protective coat shall be applied to the entire top surface of the bridge deck.

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.

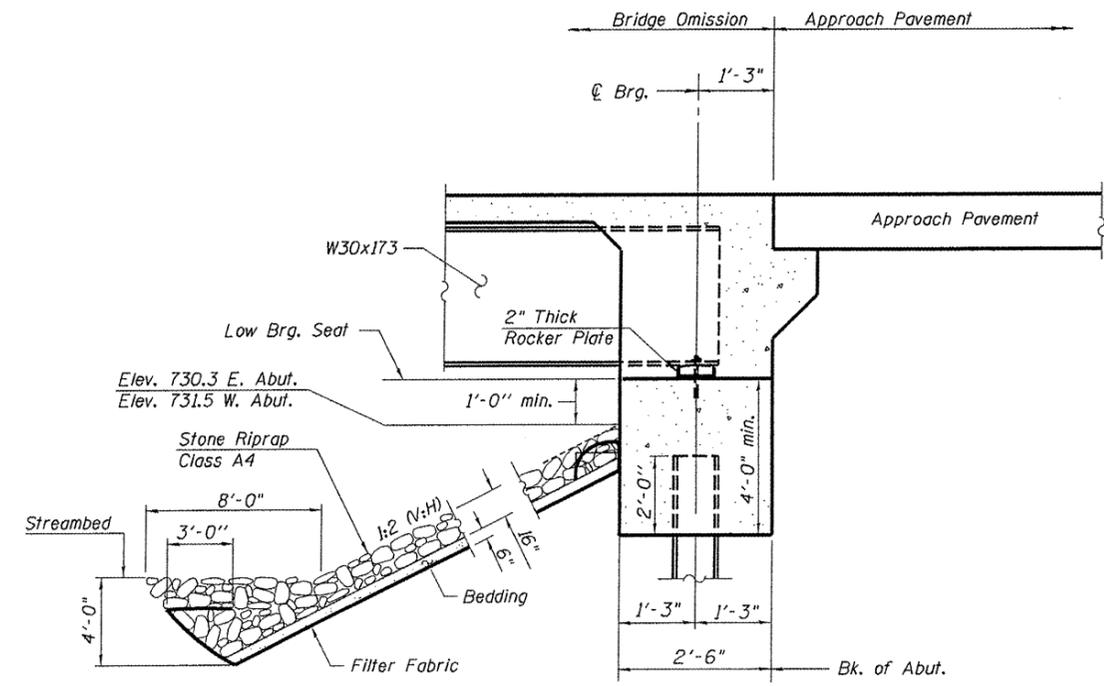
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

**CUNNINGHAM ROAD BRIDGE
 BUILT 2011 BY
 WINNEBAGO COUNTY
 SEC. 10-00462-00-BR
 F.A.U. RT. 5077 STA. 306+78.5
 STR. NO. 101-3101 LOADING HL-93**

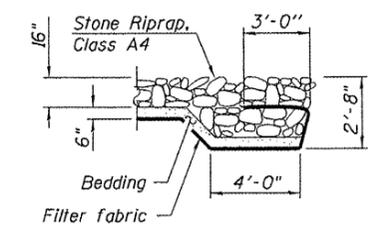
LETTERING FOR NAME PLATE
 Locate Name Plate at Corner of Bridge
 (See Std. 515001-03)

TOTAL BILL OF MATERIALS

Item	Unit	Super	Sub.	Total
Stone Riprap, Class A4	Sq. Yd.	—	300	300
Filter Fabric	Sq. Yd.	—	300	300
Removal of Existing Structures	Each	1	—	1
Structure Excavation	Cu. Yd.	—	153	153
Concrete Structures	Cu. Yd.	—	36.8	36.8
Concrete Superstructure	Cu. Yd.	92.7	—	92.7
Bridge Deck Grooving	Sq. Yd.	272	—	272
Concrete Encasement	Cu. Yd.	—	4.2	4.2
Protective Coat	Sq. Yd.	288	—	288
Furnishing and Erecting Structural Steel	L. Sum	1	—	1
Stud Shear Connectors	Each	1,260	—	1,260
Reinforcement Bars, Epoxy Coated	Pound	19,880	4,860	24,740
Steel Railing, Type SM	Foot	141	—	141
Furnishing Steel Piles HP12x63	Foot	—	405	405
Driving Piles	Foot	—	405	405
Test Pile Steel HP12x63	Each	—	2	2
Pile Shoes	Each	—	10	10
Name Plates	Each	1	—	1
Anchor Bolts, 1"	Each	24	—	24



SECTION THRU ABUTMENT



FLANK STONE RIPRAP DETAIL

**GENERAL NOTES, TOTAL BILL OF MATERIAL AND RIPRAP DETAILS
 STRUCTURE NUMBER 101-3101**

02/04/2011
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LAYOUT	JKR	12/20/10
DRAWN	MGM	1/14/11
REVIEWED	SMK	1/14/11

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JOB NO. 10L0054
 DATE 2/3/11

SHEET NO. 2
 12 SHEETS

F.A.U. RTE. 5077	SECTION 10-00462-00-BR	COUNTY Winnebago	TOTAL SHEETS 21	SHEET NO. 9
CONTRACT NO. 85534			FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT	