

GENERAL NOTES

Fasteners shall be high strength bolts AASHTO M164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or 2 in painted areas. Bolts 7/8 in. ϕ , open holes 5/16 in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 122,170 lbs.

All structural steel shall be AASHTO M 270 Grade 50W.

Structural steel shall only be painted at the ends of the beams, for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".

No field welding is permitted.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flange and web.

Slipforming of the Parapets is not allowed.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified) See Special Provisions.

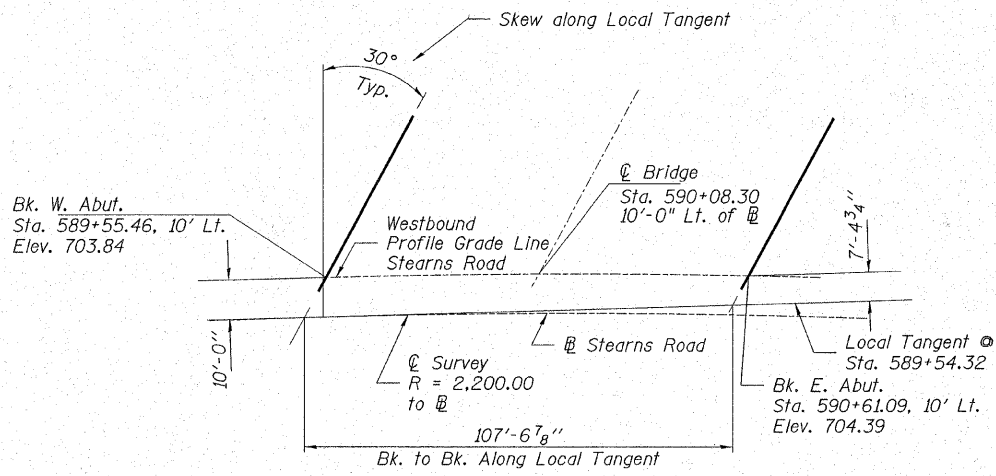
Reinforcement bar designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within an 1/8 in. tolerance. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8 in. adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

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

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

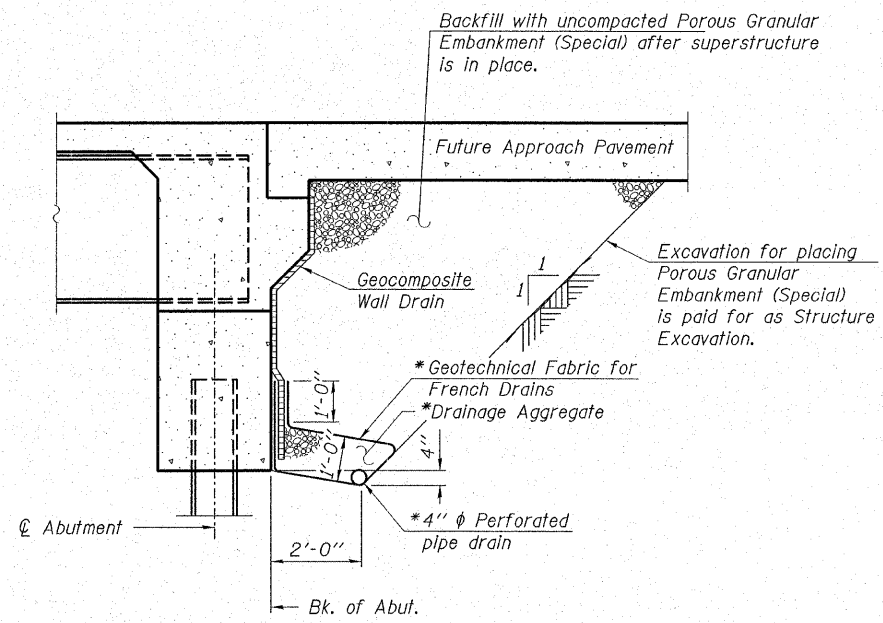
All proposed construction activity shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.



OFFSET SKETCH

TOTAL BILL OF MATERIAL - WESTBOUND BRIDGE

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Ton		419	419
Stone Riprap, Class A4	Ton			315
Filter Fabric	Sq. Yd.			555
Structure Excavation	Cu. Yd.		255	255
Concrete Structures	Cu. Yd.		47.4	47.4
Concrete Superstructure	Cu. Yd.	190.4		190.4
Bridge Deck Grooving	Sq. Yd.	471		471
Concrete Encasement	Cu. Yd.		4.2	4.2
Protective Coat	Sq. Yd.	630		630
Furnishing and Erecting Structural Steel	L. Sum	0.4		0.4
Stud Shear Connectors	Each	1,314		1,314
Reinforcement Bars, Epoxy Coated	Pound	35,960	6,690	42,650
Bar Splicers, Special	Each	86		86
Parapet Railing	Foot	106		106
Bicycle Railing	Foot	106		106
Furnishing Steel Piles HP12x74	Foot		460	460
Driving Piles	Foot		460	460
Test Pile Steel HP12x74	Each		2	2
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		122	122
Concrete Headwalls for Pipe Drains	Each		2	2
Pipe Underdrains for Structure, 4"	Foot		181	181

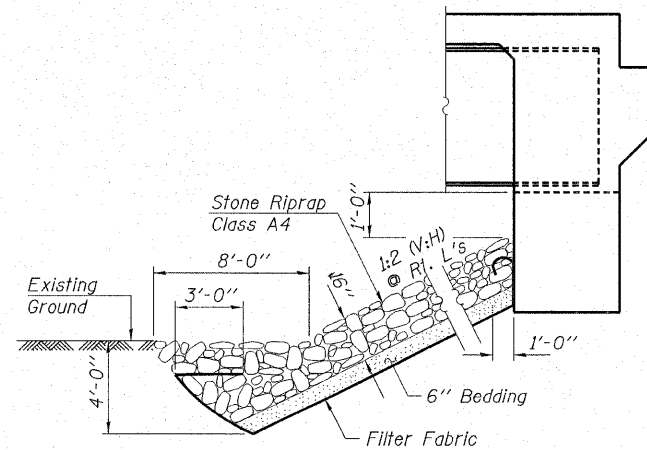


SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

* Included in the cost of Pipe Underdrains for Structures.

Note:

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 601.10).



SECTION A-A

Note:

Earth excavation required for construction of riprap will not be paid for separately, but will be included in the cost of Stone Riprap, Class A4. Excavated Material will be disposed of in accordance with Article 281.05 of the Standard Specifications and is not included in the Earthwork Balance.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 548-3400

HLR

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-05-0077-1 DATE: 09/20/07
DESIGNED: T.P.L. CHECKED: J.L.B. DRAWN: P.J.L.

GENERAL NOTES, DETAILS & TOTAL BILL OF MATERIAL
SECTION 06-00214-08-BR
F.A.U. ROUTE 361 / NEW STEARNS ROAD
OVER THE NORTH ARM OF BREWSTER CREEK
KANE COUNTY
STRUCTURE NO. 045-3165 (W.B.) / STATION 590+18.15