

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts.
Bolts $\frac{1}{8}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless otherwise noted.
Calculated weight of Structural Steel = 102,820 lbs. (AASHTO M270 Grade 50)
= 12,180 lbs. (AASHTO M270 Grade 36)
No field welding is permitted except as specified in the contract documents.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
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 interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".

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

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.

Slipforming of the parapets is not allowed.

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

The Contractor shall submit Structural Assessment Report(s) as required for the Contractor's Means and Methods of Construction. See Special Provisions.

Current Ratings on File for Existing Structure

Inventory: HS 17.2

Operating: HS 29.9

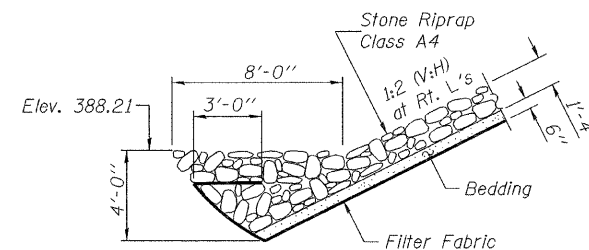
Live Load Restriction: No

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

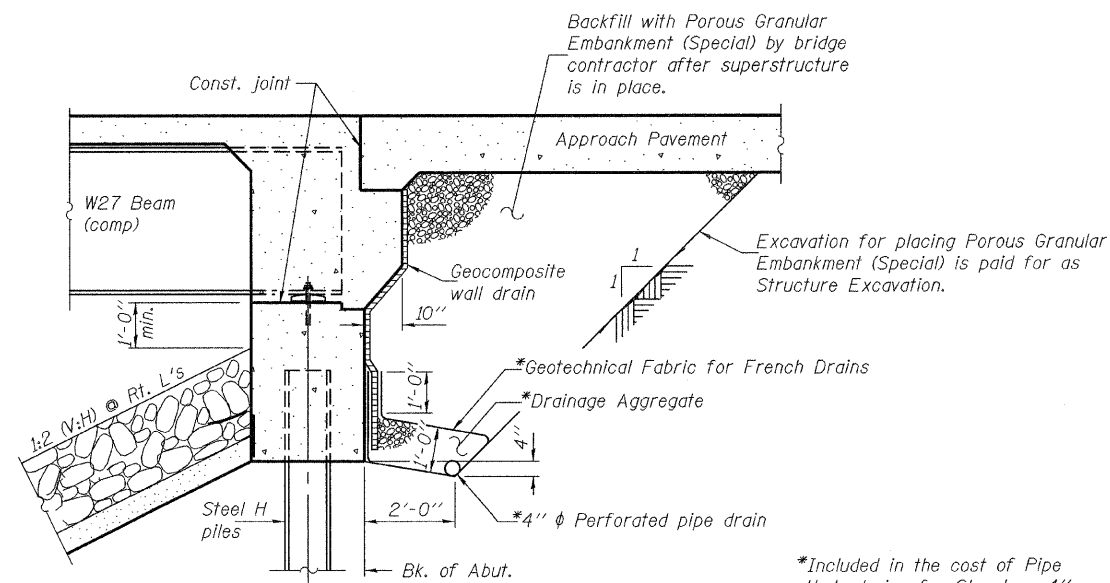
The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		106	106
Stone Riprap, Class A4	Sq. Yd.		538	538
Filter Fabric	Sq. Yd.		538	538
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		143	143
Floor Drains	Each	22		22
Concrete Structures	Cu. Yd.		163.1	163.1
Concrete Superstructure	Cu. Yd.	308		308
Bridge Deck Grooving	Sq. Yd.	727		727
Concrete Encasement	Cu. Yd.		12.2	12.2
Protective Coat	Sq. Yd.	950		950
Furnishing and Erecting Structural Steel	L. Sum		1	1
Stud Shear Connectors	Each	3078		3078
Reinforcement Bars, Epoxy Coated	Pound	75950	14910	90860
Bar Splicers	Each	685	168	853
Furnishing Steel Piles HP12x74	Foot		770	770
Driving Piles	Foot		1380	1380
Test Pile Steel HP12x74	Each		2	2
Furnishing Steel Piles HP14x73	Foot		610	610
Test Pile Steel HP14x73	Each		2	2
Temporary Sheet Piling	Sq. Ft.		575	575
Name Plates	Each	1		1
Anchor Bolts 1"	Each	48		48
Geocomposite Wall Drain	Sq. Yd.		63.2	63.2
Pipe Underdrains for Structures, 4"	Foot		156	156
Underwater Structure Excavation Protection, Location 1	Each		1	1
Underwater Structure Excavation Protection, Location 2	Each		1	1
Mechanical Splice	Each		72	72
Asbestos Bearing Pad Removal	Each		22	22

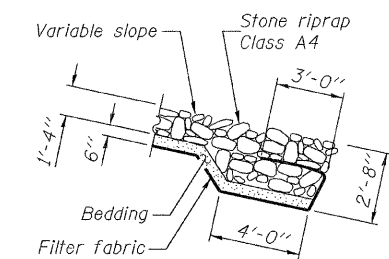


SECTION A-A



SECTION THRU INTEGRAL ABUTMENT

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 B-B
S.W. Riprap quadrant only.

DESIGNED	Stephen M. Ryan
CHECKED	Jay D. Edwards
DRAWN	h.t. duong
CHECKED	SMR/JDE

EXAMINED	Thomas J. Damagala ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

GENERAL DATA
STRUCTURE NO. 073-0037

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	865	16B-2	PERRY	47	24
25 SHEETS	CONTRACT NO. 78064				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					