STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ, holes $\frac{15}{16}$ in. ϕ, unless otherwise noted.

Calculated weight of Structural Steel = 113110 lbs. (M 270 Grade 50)
= 6580 lbs. (M 270 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.

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 gray, Munsell No. 5B 7/1. 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.

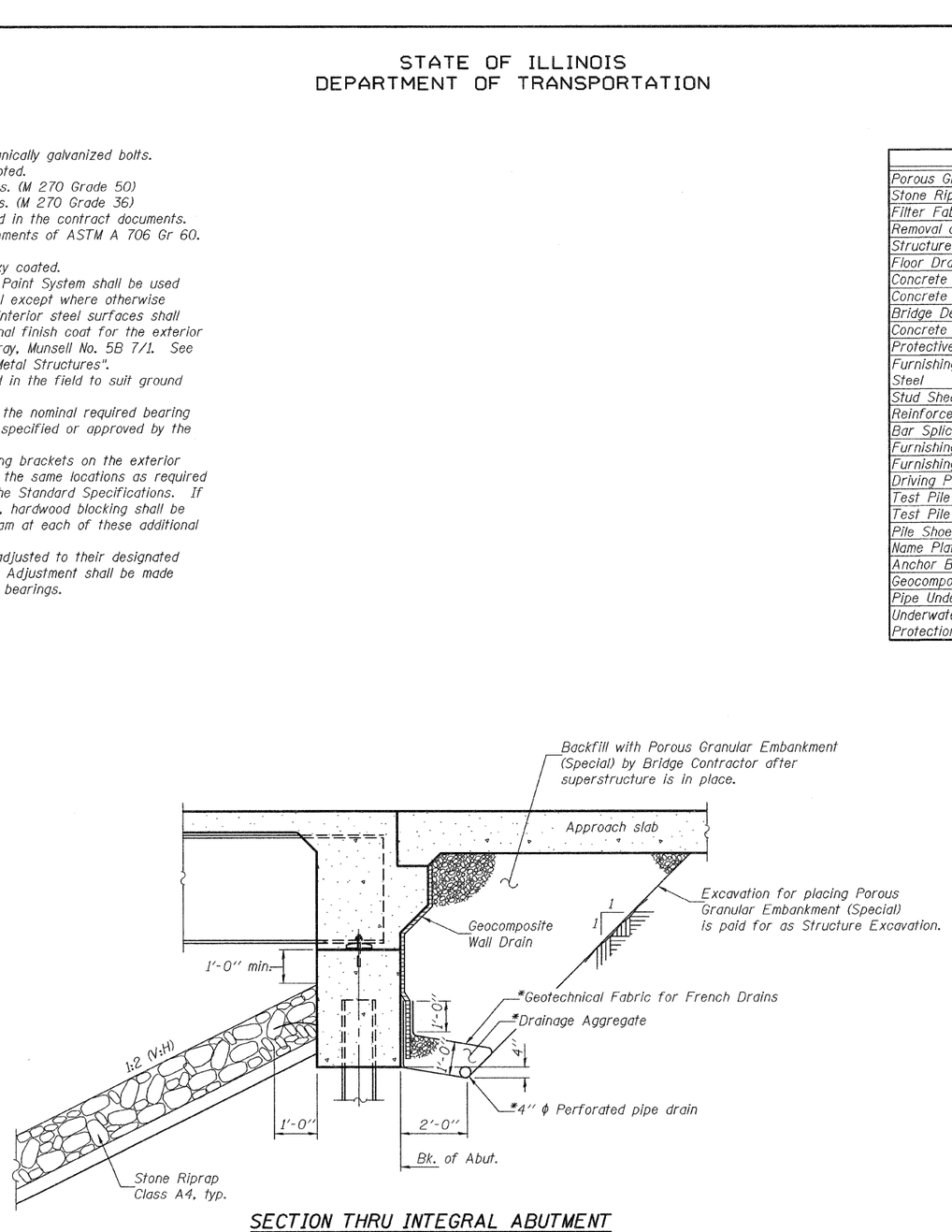
If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

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.

Slipforming of parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		81	81
Stone Riprap, Class A4	Sq. Yd.		730	730
Filter Fabric	Sq. Yd.		730	730
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		134	134
Floor Drains	Each	14		14
Concrete Structures	Cu. Yd.		69.6	69.6
Concrete Superstructure	Cu. Yd.	242		242
Bridge Deck Grooving	Sq. Yd.	535		535
Concrete Encasement	Cu. Yd.		8.6	8.6
Protective Coat	Sq. Yd.	713		713
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	2034		2034
Reinforcement Bars, Epoxy Coated	Pound	58100	6000	64100
Bar Splicers	Each	68		68
Furnishing Steel Piles HP10x42	Foot		820	820
Furnishing Steel Piles HP14x73	Foot		430	430
Driving Piles	Foot		1250	1250
Test Pile Steel HP10x42	Each		2	2
Test Pile Steel HP14x73	Each		1	1
Pile Shoes	Each		18	18
Name Plates	Each	1		1
Anchor Bolts, 1" ϕ	Each		36	36
Geocomposite Wall Drain	Sq. Yd.		50	50
Pipe Underdrains for Structures, 4"	Foot		131	131
Underwater Structure Excavation Protection, Location 1	Each		1	1



SECTION THRU INTEGRAL ABUTMENT

*Included in the cost of Pipe Underdrains for Structures, 4".

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 601101).

DESIGNED	Phillip R. Litchfield
CHECKED	Ray Ahanchi
DRAWN	htd Gregory D. Farmer
CHECKED	PRL/GRA/JDE

Sep. 9, 2010
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

GENERAL DATA
STRUCTURE NO. 013-0040

SHEET NO. 2	S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	12	10B-1	CLAY	39	14
			CONTRACT NO. 74004		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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