

**GENERAL NOTES**

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4" φ, holes 5/16 in. φ, unless otherwise noted.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shiming the bearings.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

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

Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All structural steel, including beams diaphragms, and other structural steel within 5 ft (measured along the beam) of either side of deck joints shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The exterior surfaces and bottom of the bottom flange of the fascia beams shall be cleaned per Commercial Grade Power Tool Cleaning - SSPC-SP15.

The designated areas cleaned per Near White Blast Cleaning and per Commercial Grade Power Tool Cleaning shall be painted according to the requirements of Paint System 1- OZ/E/U. The color of the final finish coat for all interior steel surfaces and exterior and bottom flange of the fascia beams shall be Gray, Munsell No 5B 7/1.

See Sheet S19 of S20 for riprap placement details.

Estimated weight of structural steel to be removed is 2078 pounds.

A minimum of one air monitor will be required to monitor abrasive blasting operations at this site. See special provision for "Containment and Disposal of Lead Paint Cleaning Residues."

The SSPC QP-1 and QP-2 Painting Contractor Certifications are required for this contract.

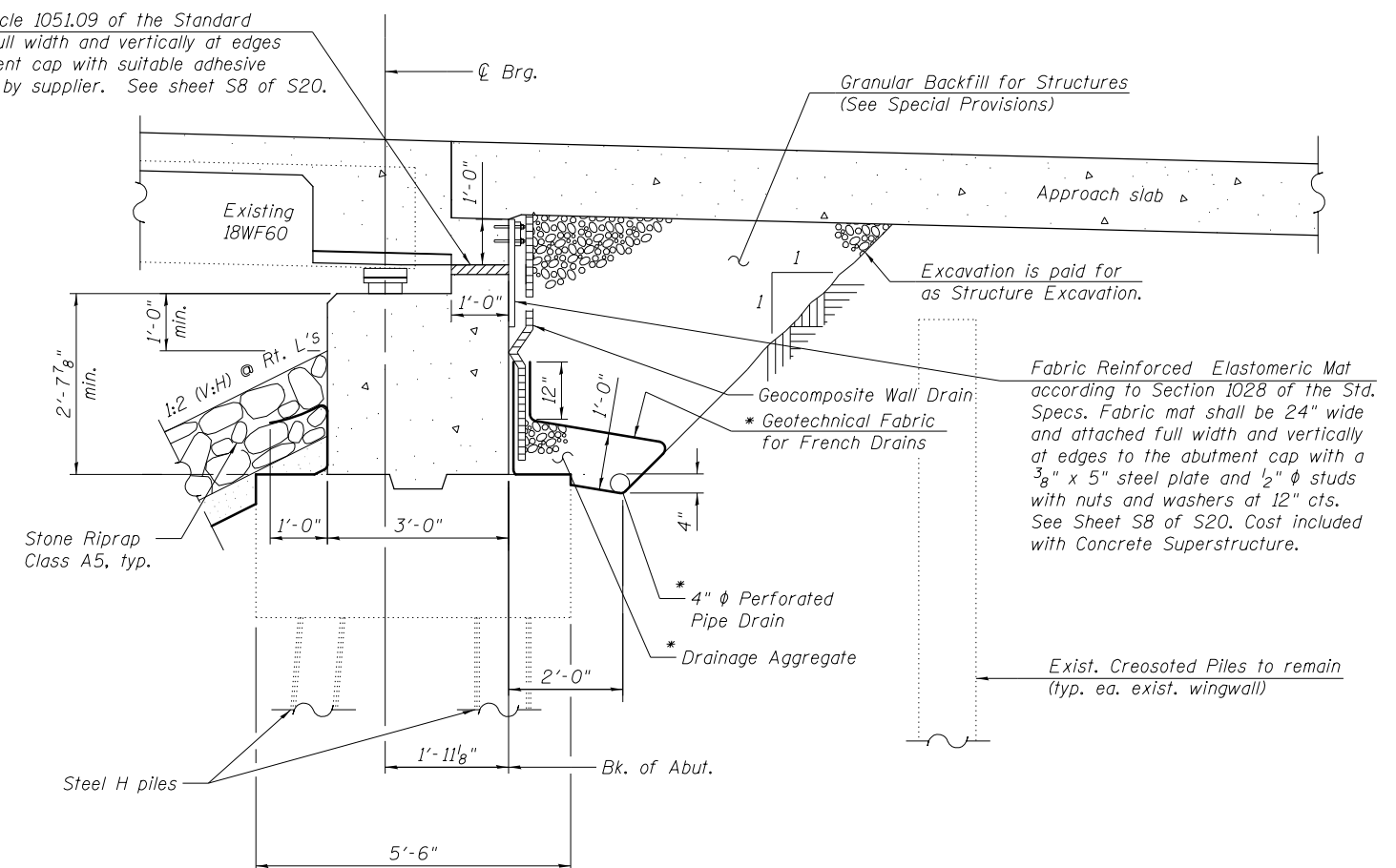
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**BILL OF MATERIALS**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq Yd		1005	1005
Filter Fabric	Sq Yd		937	937
Concrete Removal	Cu Yd		44.6	44.6
Slope Wall Removal	Sq Yd		1009	1009
Removal of Existing Concrete Deck	Each	1		1
Structure Excavation	Cu Yd		89	89
Concrete Structures	Cu Yd		53.0	53.0
Concrete Superstructure	Cu Yd	228.3		228.3
Bridge Deck Grooving	Sq Yd	509		509
Protective Coat	Sq Yd	576		576
Furnishing and Erecting Structural Steel	Pound	5280		5280
Stud Shear Connectors	Each	1890		1890
Reinforcement Bars, Epoxy Coated	Pound	48080	8940	57020
Steel Railing, Type SM	Foot	272		272
Name Plates	Each	1		1
Elastomeric Bearing Assembly, Type I	Each	21		21
Anchor Bolts, 5/8"	Each	14		14
Anchor Bolts, 1"	Each	28		28
Geocomposite Wall Drain	Sq Yd		62	62
Granular Backfill for Structures	Cu Yd		67	67
Jack and Remove Existing Bearings	Each	21		21
Structural Steel Removal	L Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues	L Sum	1		1
Cleaning and Painting Steel Bridge No. 1	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq Ft		34	34
Pipe Underdrains for Structures 4"	Foot		108	108

2" PJF (per Article 1051.09 of the Standard Specifications) full width and vertically at edges bonded to abutment cap with suitable adhesive as recommended by supplier. See sheet S8 of S20.



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

\* Included in the cost of Pipe Underdrains for Structures 4" (See Special Provisions)

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).

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USER NAME = mokrent	DESIGNED - BCM	REVISED
	CHECKED - KO	REVISED
PLOT SCALE = N/A	DRAWN - KO	REVISED
PLOT DATE = 5/12/2014	CHECKED - 8/23/2012	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
STRUCTURE NO. 099-0181**

SHEET NO. S2 OF S20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-2HB-3I-3	WILL	87	40
CONTRACT NO. 60X60			ILLINOIS FED. AID PROJECT	