

**GENERAL NOTES**

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4-in. φ, holes 7/8-in. φ, unless otherwise noted.

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

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

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 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 cannot be removed by grinding 1/4 inch 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.

If the Contractor elects to use cantilever forming brackets on the exterior beams, 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.

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.

All new Structural Steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1.

Protective Shield may exist in some locations. The Contractor with the approval of the Engineer may re-use the existing protective shield. If protective shield is to be re-utilized, the Contractor shall evaluate the existing protective shield, and demonstrate through calculations sealed by an Illinois Licensed Structural Engineer that the existing system meets or exceeds the design requirements specified in Article 501.03 of the Standard Specifications. Supplementing and/or replacement of the existing shield may be required to satisfy the Standard Specifications. The cost of maintaining and adjusting the protective shield shall be included in the cost of Protective Shield.

The existing protective shield shall be salvaged when no longer needed. The salvaged protective shield shall be delivered to IDOT District Seven Operations Maintenance Yard-Effingham, 1900 W. National Ave., Effingham, IL 62401, Call Chris Smith at (217) 342-8378. The cost of salvaging and delivering the existing protective shield shall be included in the cost of Protective Shield.

Cleaning and field painting of structural steel shall be done under a separate painting contract.

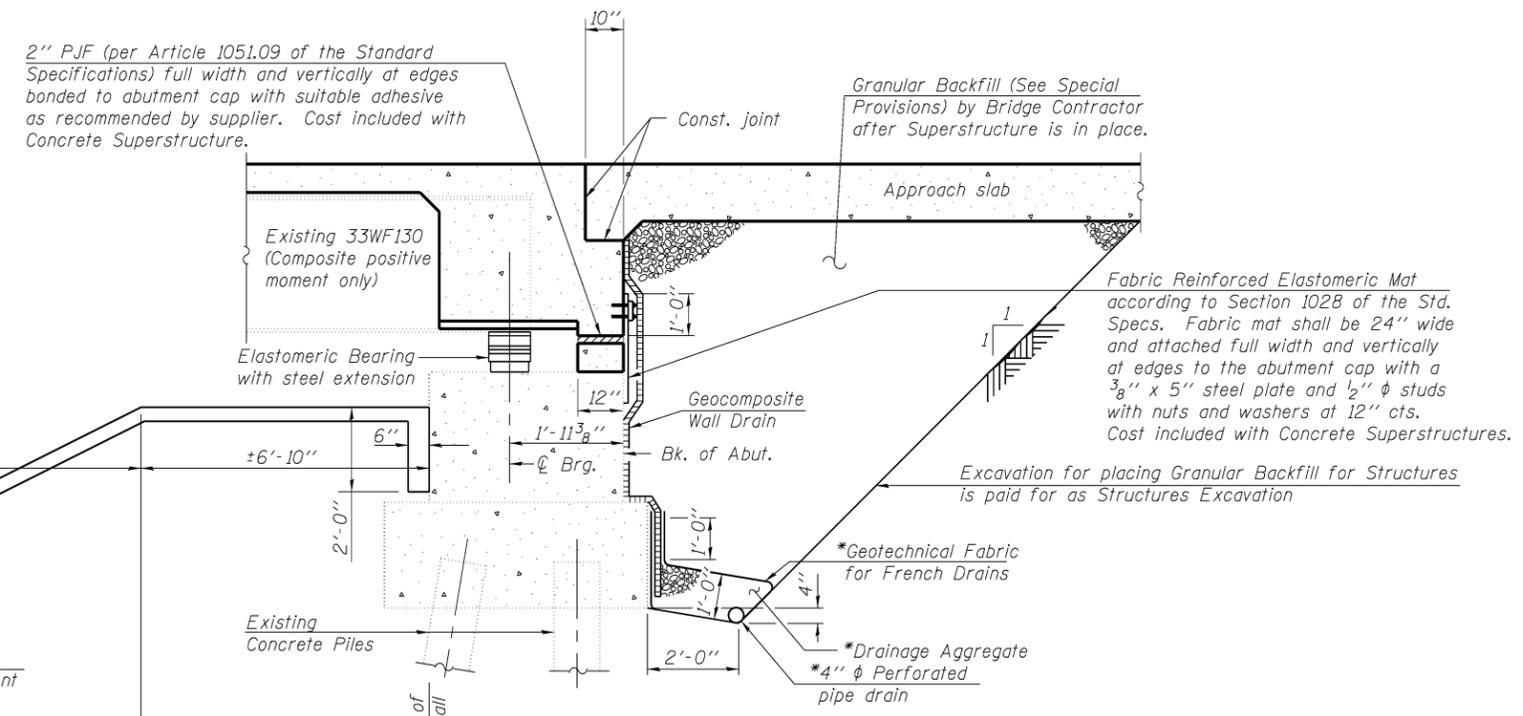
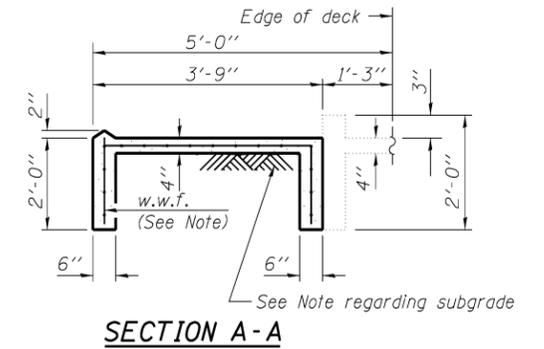
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Granular Backfill for Structures	Cu. Yd.		215	215
Concrete Removal	Cu. Yd.		39.6	39.6
Removal of Existing Concrete Deck	Each	1		1
Protective Shield	Sq. Yd.	538		538
Structure Excavation	Cu. Yd.		221	221
Drainage Scupper, DS-II	Each	4		4
Concrete Structures	Cu. Yd.		53.2	53.2
Concrete Superstructure	Cu. Yd.	419.2		419.2
Bridge Deck Grooving	Sq. Yd.	968		968
Protective Coat	Sq. Yd.	1282		1282
Furnishing and Erecting Structural Steel	Pound	2597		2597
Stud Shear Connectors	Each	3324		3324
Reinforcement Bars, Epoxy Coated	Pound	86,710	7,690	94,400
Bar Splicers	Each	912	4	916
Slope Wall 4 Inch	Sq. Yd.		72	72
Temporary Sheet Piling	Sq. Ft.		314	314
Name Plates	Each		2	2
Elastomeric Bearing Assembly, Type I	Each	12		12
Anchor Bolts, 1"	Each	24		24
Geocomposite Wall Drain	Sq. Yd.		98	98
Pipe Underdrains for Structures 4"	Foot		155	155
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.		9	9
Jack and Remove Existing Bearings	Each	12		12

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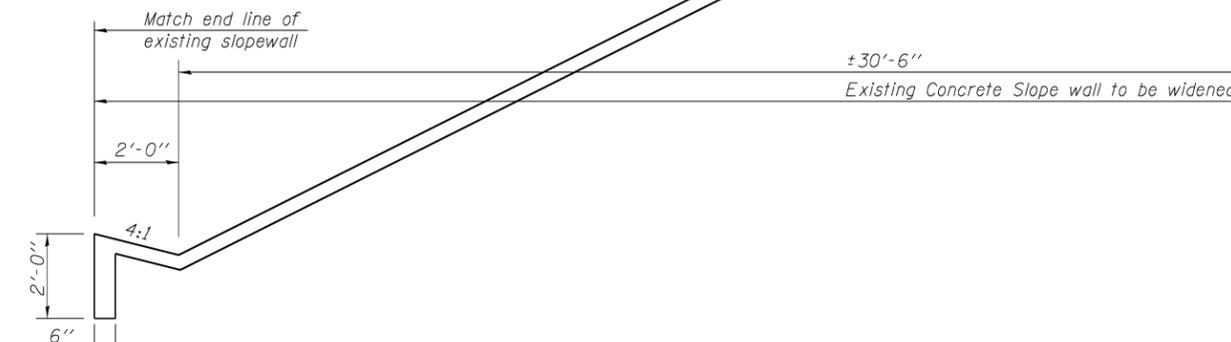


Notes:

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).

The cost of furnishing and placing any additional subgrade material necessary for grading beneath slope wall is included in the unit cost of slope Wall 4".

Slope wall shall be reinforced with welded wire fabric 6 in. x 6in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.



**SECTION THRU SEMI-INTEGRAL ABUTMENT**

(Horiz. dim. @ Rt. L's)  
\*Included in the cost of Pipe Underdrains for Structures.



USER NAME =	DESIGNED - WJV	REVISED -
	CHECKED - CJB	REVISED -
PLOT SCALE =	DRAWN - WJV	REVISED -
PLOT DATE = 12-22-2011	CHECKED - CJB	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND TOTAL BILL OF MATERIALS  
STRUCTURE NO. 026-0055**  
SHEET NO. 2 OF 24 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2720	(26-5,26-5-1,26-1)DR	Fayette	92	69
CONTRACT NO. 74469				

ILLINOIS FED. AID PROJECT