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.

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 cannot be removed by grinding $\frac{1}{4}$ 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 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.

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.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
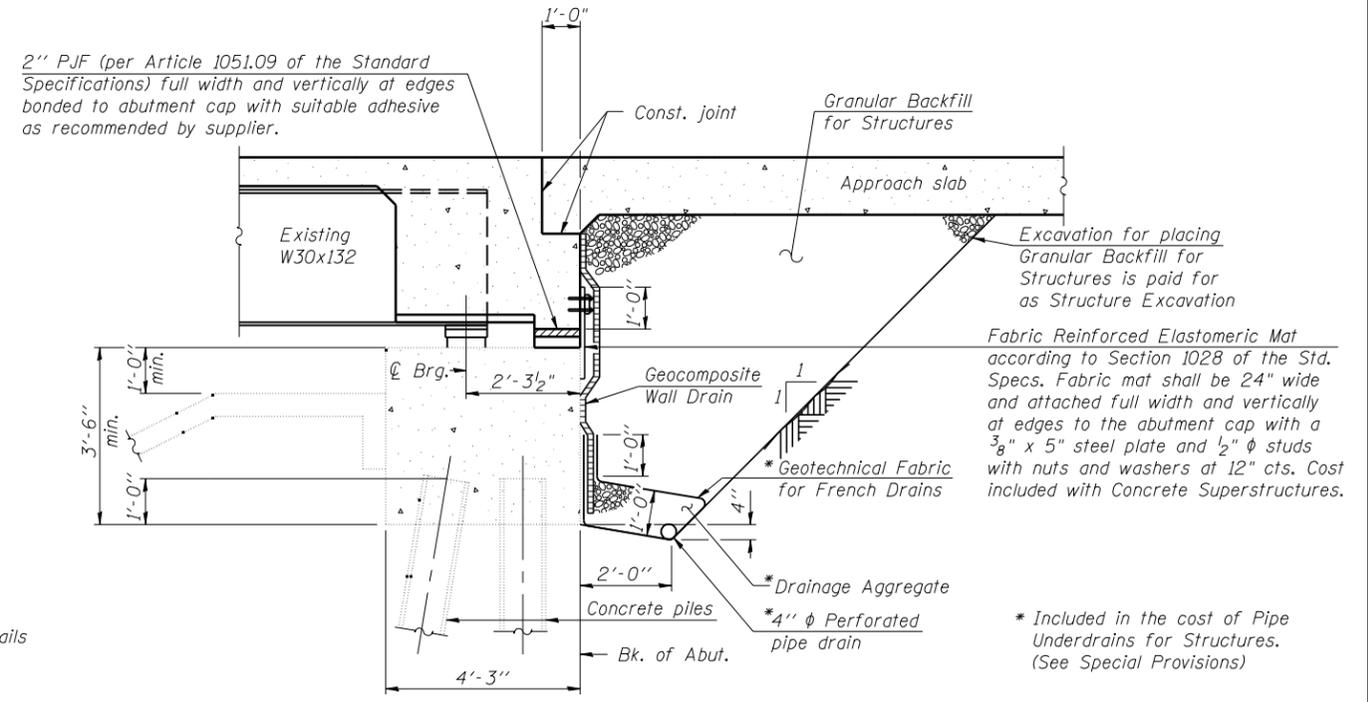
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior erection as required by the special provision Cleaning and Painting Contact Surface Areas of Existing Steel Structures.

All new structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal

INDEX OF SHEETS

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

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.

Const. joint

Granular Backfill for Structures

Approach slab

Existing W30x132

Excavation for placing Granular Backfill for Structures is paid for as Structure Excavation

Fabric Reinforced Elastomeric Mat according to Section 1028 of the Std. Specs. Fabric mat shall be 24" wide and attached full width and vertically at edges to the abutment cap with a $\frac{3}{8}$" x 5" steel plate and $\frac{1}{2}$" ϕ studs with nuts and washers at 12" cts. Cost included with Concrete Superstructures.

ℂ Brg.

Geocomposite Wall Drain

*Geotechnical Fabric for French Drains

*Drainage Aggregate

Concrete piles

*4'' ϕ Perforated pipe drain

Bk. of Abut.

* Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

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.)

STATION 576+83.14
BUILT 20__ BY
STATE OF ILLINOIS
F.A.I. RTE 55
SEC. D6 LOGAN CO BR 2011-1
LOADING HS 20-44 & ALT.
STRUCTURE NO. 054-0057

NAME PLATE
NB STRUCTURE
See Std. 515001

STATION 576+83.14
BUILT 20__ BY
STATE OF ILLINOIS
F.A.I. RTE 55
SEC. D6 LOGAN CO BR 2011-1
LOADING HS 20-44 & ALT.
STRUCTURE NO. 054-0058

NAME PLATE
SB STRUCTURE
See Std. 515001

Existing name plate shall be cleaned and placed next to the new name plate. Cost included in "Name Plates".

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.		79.0	79.0
Removal of Existing Concrete Deck No. 1	Each	2		2
Structure Excavation	Cu. Yd.		348	348
Floor Drains	Each	8		8
Concrete Structures	Cu. Yd.		77.6	77.6
Concrete Superstructure	Cu. Yd.	764.3		764.3
Bridge Deck Grooving	Sq. Yd.	1,934		1,934
Protective Coat	Sq. Yd.	2,386		2,386
Furnishing and Erecting Structural Steel	Pound	4,230		4,230
Stud Shear Connectors	Each	9,108		9,108
Reinforcement Bars, Epoxy Coated	Pound	181,375	13,055	194,430
Bar Splicers	Each	1,450	8	1,458
Name Plates	Each	2		2
Elastomeric Bearing Assembly, Type I	Each	24		24
Anchor Bolts, 1"	Each	48		48
Geocomposite Wall Drain	Sq. Yd.		192	192
Jack and Remove Existing Bearings	Each	24		24
Granular Backfill for Structures	Cu. Yd		204	204
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.		9	9
Temporary Sheet Piling	Sq. Ft.		961	961
Diamond Grinding (Bridge Section)	Sq. Yd.	1,826		1,826
Pipe Underdrains for Structures 4"	Foot		280	280
Slope Wall Repair	Sq. Yd.		179	179