

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Fasteners shall be AASHTO M164 Type I, mechanically galvanized bolts.
Bolts $\frac{3}{8}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless otherwise noted.
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.
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, including existing diaphragms at abutments. 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.

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.

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 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. See Special Provision for "Cleaning and Painting New Metal Structures".

Cleaning and painting of the existing fascia beams shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures." The exterior and bottom flange of the fascia beams shall be cleaned per Near White Blast Cleaning-SSPC-SP10. These surfaces shall be painted according to the requirements of Paint System 1-OZ/E/U. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Black, Munsell No. N-1.

The existing protective shield shall be salvaged when no longer required. The salvaged protective shield shall be delivered to IDOT District One Bridge Office, 1101 Blesterfield Road, Elk Grove Village, Illinois, 60007, telephone 847-956-1501. The cost of salvaging and delivering the existing protective shield shall be included in the cost of Protective Shield.

The existing handrail and posts shall be salvaged when no longer required. The salvaged handrail and posts shall be delivered to IDOT District One Bridge Office, 1101 Blesterfield Road, Elk Grove Village, Illinois, 60007, telephone 847-956-1501. The cost of salvaging and delivering the existing handrail and posts shall be included in the cost of Removal of Existing Concrete Deck.

The SSPC-QP1 and SSPC-QP2 Painting Contractor Certifications will be required for this bridge.

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 24.4
Operating: HS 36.7
Live Load Restrictions: No

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

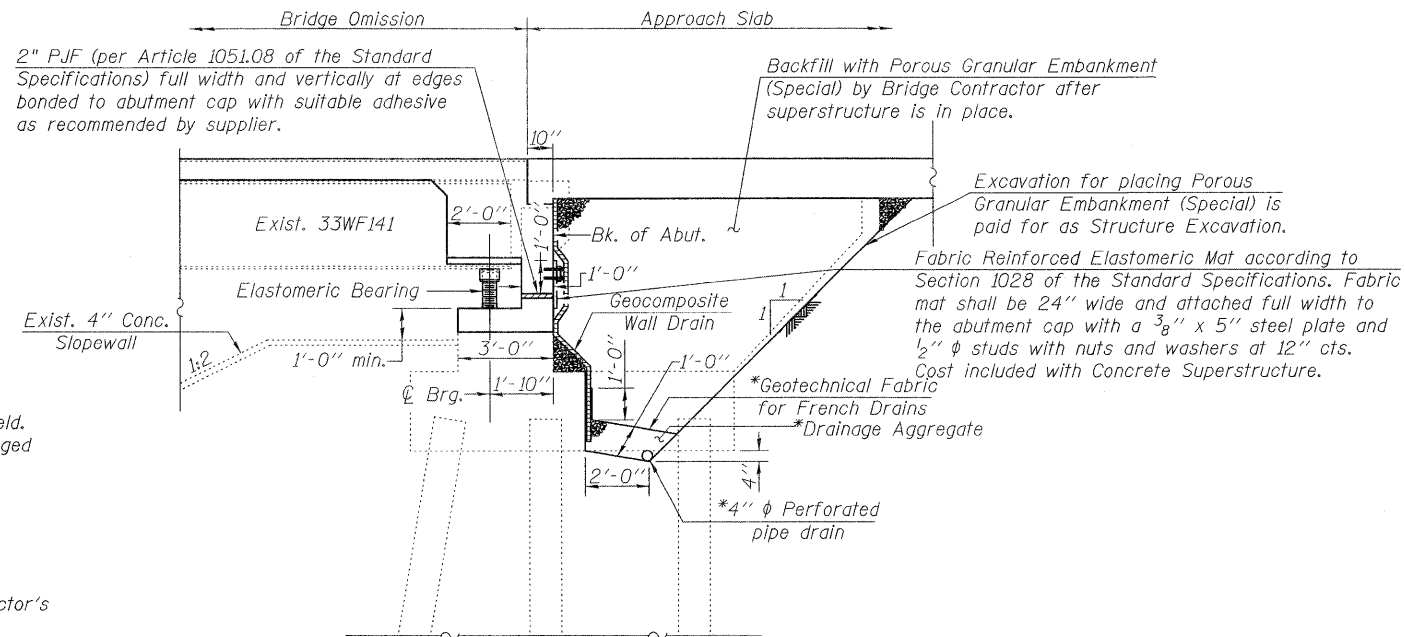
DESIGNED	JMT
CHECKED	BLB
DRAWN	JMT
CHECKED	BLB

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu Yd	432		432
Protective Coat	Sq Yd	1825		1825
Concrete Removal	Cu Yd		60.6	60.6
Removal of Existing Concrete Deck	Each	1		1
Protective Shield	Sq Yd	871		871
Structure Excavation	Cu Yd		489.4	489.4
Floor Drains	Each	8		8
Concrete Structures	Cu Yd		73.6	73.6
Concrete Superstructure	Cu Yd	713.1		713.1
Cleaning and Painting Steel Bridge	L Sum	1		1
Bridge Deck Grooving	Sq Yd	1200		1200
Stud Shear Connectors	Each	5,664		5,664
Jacking and Cribbing	Each	24		24
Reinforcement Bars, Epoxy Coated	Pound	134,240	3,200	137,440
Bar Splicers	Each	785	12	797
Name Plates	Each	1		1
Elastomeric Bearing Assembly, Type I	Each	24		24
Geocomposite Wall Drain	Sq Yd		177	177
Pipe Underdrains for Structures 4"	Foot		177	177
Slope Wall Removal	Sq Yd		5.6	5.6
Slope Wall, 4 Inch	Sq Yd		5.6	5.6
Aluminum Railing, Special	Foot	300		300
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq Ft		20	20
Temporary Soil Retention System	Sq Ft		164	164
Containment and disposal of non-lead paint cleaning residues	L Sum	1		1
Form Liner Textured Surface	Sq Ft	1284		1284
Staining Concrete Structures	Sq Yd	186.2		186.2
Furnishing and Erecting Structural Steel	Pound	330		330
Anchor Bolts, 1 Inch	Each	48		48
Epoxy Crack Injection	Foot		12	12

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SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

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).

GENERAL DATA
STRUCTURE NO. 022-0033

rjngroup Excellence through Ownership 200 West Front Street Wheaton, IL 60187	SHEET NO. 2 27 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		311	10HB-R	Du Page	53	18
CONTRACT NO. 60B92						
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT						