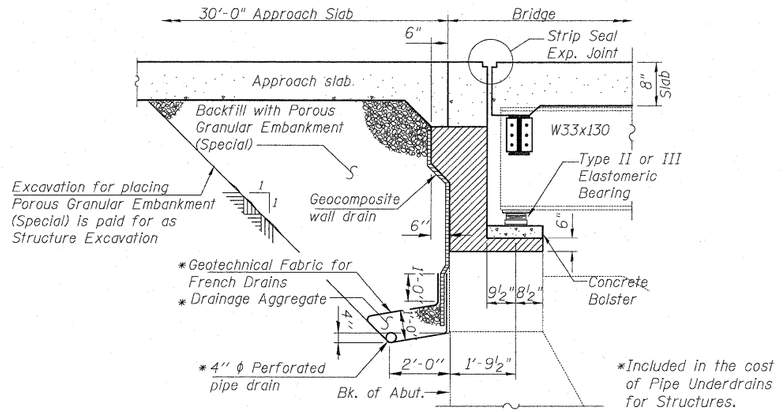
INDEX OF STRUCTURAL SHEETS

DESIGNED	JPM
CHECKED	TG
DRAWN	MPS
CHECKED	JPM, TG

Primera

300 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 . P:312-686-0910 F:312-686-0415

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION THRU ABUTMENTS

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

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Concrete Deck	Each	1	-	1
Concrete Removal	Cu. Yd.	-	60.2	60.2
Concrete Superstructure	Cu. Yd.	822.2	-	822.2
Concrete Structures	Cu. Yd.	-	71.7	71.7
Reinforcement Bars, Epoxy Coated	Pound	173,240	8,740	181,980
Protective Coat	Sq. Yd.	2,245	563	2808
Bridge Deck Grooving	Sq. Yd.	1,404	-	1,404
Bar Splicers	Each	912	130	1,042
Protective Shield	Sq. Yd.	1,545	-	1,545
Name Plates	Each	1	-	1
Structural Steel Repair	Pound	6,020	-	6,020
Elastomeric Bearing Assembly, Type II	Each	12	-	12
Elastomeric Bearing Assembly, Type III	Each	12	-	12
Anchor Bolts, 1"	Each	48	-	48
Epoxy Crack Injection	Foot	-	63	63
Stud Shear Connectors	Each	10,536	-	10,536
Aluminum Railing, Type L	Foot	509	-	509
Preformed Joint Strip Seal	Foot	143	-	143
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	-	199	199
Structural Repair of Concrete (Depth greater than 5 inches)	Sq. Ft.	-	16	16
Structure Excavation	Cu. Yd.	-	185	185
Aggregate Slopewall 9"	Sq. Yd.	-	165	165
Temporary Sheet Piling	Sq. Ft.	-	260	260
Porous Granular Embankment, Special	Cu. Yd.	185	-	185
Approach Slab Removal	Sq. Yd.	498	-	498
Pipe Underdrains for Structures 4"	Foot	-	172	172
Cleaning and Painting Steel Bridge	L. Sum	1	-	1
Porous Granular Embankment	Cu. Yd.	-	118	118
Concrete Sealer	Sq. Ft.	-	942	942
Segmental Block Retaining Wall Repair	Sq. Ft.	-	107	107
Drainage Scuppers, DS-12M10	Each	4	-	4
Drainage System	L. Sum	1	-	1
Geocomposite Wall Drain	Sq. Yd.	-	86	86
Concrete Headwall for Pipe Drains	Each	-	1	1
Containment and Disposal of Lead Paint Cleaning Residues	L. Sum	1	-	1
Jacking and Cribbing	Each	24	-	24

GENERAL NOTES

1. Fastener shall be AASHTO M164 Type 1, mechanically galvanized bolt. Bolt $\frac{7}{8}$ in. ϕ, holes $\frac{15}{16}$ in. ϕ, unless otherwise noted.
2. No field welding is permitted except as specified in the contract documents.
3. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. 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. 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.
6. 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.
7. Bearing seat surfaces shall be constructed or adjusted to the 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.
8. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
9. The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The intermediate and final coats may be field applied. 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 structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings 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 - SSPCSP10. The exterior surfaces and bottom of the bottom flange of the fascia beams shall be cleaned per Commercial Grade Power Tool Cleaning - SSPCSP15.

   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 shall be Gray, Munsell No. 5B 7/1. The color of the final final finish coat for the exterior and bottom flange of the fascia beams shall be reddish brown, Munsell No. 2.5YR 3/4.

   Existing structural steel in contact with new splice plates shall be cleaned and painted as required by the Special Provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."
10. Concrete Sealer shall be applied to the face of backwall and bearing seat of the West and East Abutments.

INDEX OF STRUCTURAL SHEETS
GENERAL NOTES & BILL OF MATERIAL
STRUCTURE NO. 016-0519

SHEET NO. S2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S34 SHEETS	1548	461 (VB&VF) I	COOK	52	14
			CONTRACT NO. 60H65		
	DATE: 06-22-2010	ILLINOIS	FED. AID PROJECT		