

SCOPE OF WORK

1. Install New Finger Plate Troughs at Piers 3, 7, 10, 17, 20 & 24.
See sheet 3 of 14 for details.
2. Replace loose or missing bolts. See table on sheet 4 of 14 for details.
3. Install Silicone Joint Sealer Full length of Median Parapet.
See sheet 4 of 14 for details.
4. Drill Crack Arrestor Holes. See table on sheet 4 of 14.
5. Caulk leaking areas with silicone caulk. See table on sheet 4 of 14 for details.
6. Remove and replace selected deteriorated portions of the parapets.
See sheet 5 of 14 for details.
7. Remove and replace two scuppers within the tied arch span.
See sheets 6 & 7 of 14 for details.
8. Repair a portion of the existing steel walkway. See sheet 8 of 14 for details.
9. Remove and replace a damaged section of the aluminum rail and aluminum post.
See sheet 9 of 14 for details.
10. Clean and paint a portion of the interior of the ties boxes.
See sheet 10 of 14 for details.
11. Perform deck slab repair, partial depth, on the bridge deck.
See sheets 11 thru 14 of 14 for details.
12. Remove selected portions of the joint seals at the relief joints on the tied arch span. See sheet 14 of 14 for details.

DESIGN STRESSES

FIELD UNITS

$f'c = 3,500$ psi (Concrete)
 $f_y = 36,000$ psi (Structural Steel)
 $f_y = 60,000$ psi (Reinforcement)

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

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.

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ , open holes $\frac{13}{16}$ " ϕ , unless otherwise noted.

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 around the new scuppers, 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 $\frac{1}{4}$ " 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.

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

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners, and damaged areas shall be touched up in the field. The final finish coat shall be Blue, Munsell No. 10B 3/6.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

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

DESIGNED - Marcus K. Christensen	EXAMINED	DATE - NOVEMBER 23, 2011	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & SCOPE OF WORK SN 081-0106	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - IrvIn J. Lopez	PASSED	ACTING ENGINEER OF STRUCTURAL SERVICES			280	(81-18)M-2	ROCK ISLAND	30	18	
DRAWN - Kyle M. Steffen		REVISOR			CONTRACT NO. 64F22					
CHECKED - MKC IJL		ACTING ENGINEER OF BRIDGES AND STRUCTURES			REVISOR	ILLINOIS FED. AID PROJECT				
SHEET NO. 2 OF 14 SHEETS										