SCOPE OF WORK

- 1. Perform partial depth repairs to the bridge deck.
- 2. Perform structural repairs on the abutments and the piers.
- 3. Temporarily shore beams at designated pier cap repair locations.
- 4. Remove and replace existing joint material with new silicone joint
- sealers at designated locations,
- 5. Repair bearings as detailed and at the designated locations. 6. Perform structural repairs of the slope walls.
- 7, Clean floor drains.
- 8. Repair damaged and deteriorated structural steel as detailed and at designated locations.
- 9. Clean lower truss chord.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

DESIGN STRESSES

f'c = 3,500 psi fy = 60,000 psi (Reinforcement)

GENERAL NOTES:

- 1. 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.
- 2. Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60. See Special Provisions.
- 3, Areas of proposed repairs are estimated. Actual type, location and dimensions are to be determined by the Engineer during construction.
- 4. Fasteners shall be high strength bolts. Bolts ${}^{3}_{4}$ " diameter, open holes ${}^{13}_{16}$ " diameter, bolts ${}^{7}_{8}$ " diameter, open holes ${}^{15}_{16}$ " diameter, unless otherwise noted.
- 5. Existing structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- 6. The Inorganic Rich Zinc 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 Acrylic finish coat shall be Reddish Brown, Munsell No. 2.5YR3/4. See Special Provision for "Cleaning and Painting New Metal Structures".
- 7. The existing structural steel coating may contain lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|--------|--------------------|---------------|--------|
| Slope Wall Removal | Sq.Yd. | | 320 | 320 |
| Slope Wall 4 Inch | Sq.Yd. | 1997 - 1997 | 320 | 320 |
| Porous Granular Embankment | Cu.Yd. | | 533 | 533 |
| Epoxy Crack Injection | Foot | - | 359 | 359 |
| Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) | Sq.Ft. | - | 5,125 | 5,125 |
| Structural Repair of Concrete (Depth Greater Than 5 Inches) | Sq.Ft, | | 1,660 | 1,660 |
| Deck Slab Repair (Partial) | Sq.Yd. | 321 | | 321 |
| Deck Slab Repair (Full Depth, Type II) | Sq.Yd. | 16 | - | 16 |
| Silicone Joint Sealer, 1" | Foot | 318 | - | 318 |
| Silicone Joint Sealer, 1.75" | Foot | 289, - | - | 289 |
| Silicone Joint Sealer, 2.5" | Foot | 357 | · · · · | 357 |
| Silicone Joint Sealer, 2.75" | Foot | 425 | | 425 |
| Silicone Joint Sealer, 3" | Foot | 50 | | 50 |
| Polymer Concrete | Cu.Ft. | 49 | 1 | 49 |
| Temporary Shoring and Cribbing, Special | Each | - 1 | 103 | 103 |
| Containment and Disposal of Lead Paint Cleaning Residues No. 1 | L.Sum | 1 | - | . 1 |
| Jack and Clean Bearings | Each | - | 28 | 28 |
| Cleaning Drainage System * | L.Sum | - 1 | | 1 |
| Structural Steel Repair | Pound | | · - | 10,195 |
| Cleaning Lower Truss Chord | L. Sum | 1 | | 1 |
| Protective Shield | Sq.Yd, | 633 | - | 633 |
| | | | | |
| | | | | |

* Total number of drains = 566

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| | | DESIGNED - PCA | A/MEA | REVISED | - | | 1 | | | NOTES & TOTAL BILL OF MATERIAL | F.A.I. RTE | SECTION | COUNTY | SHEETS | HEE NO. |
| USER NAME = default | | DRAWN - CFB | 3/RCW | REVISED | - | HBP | | STATE OF ILLINOIS | | WESTBOUND FAI-80 OVER DES PLAINES RIVER | 80 | 99 (4&4-1) RS-3 | WILL | 203 | 112 |
| PLOT SCALE = \$SCALE\$ | en la servicia de la composición de la | CHECKED - MEA | A/PCA | REVISED | | Illinois Partners | 1. 1. | DEPARTMENT OF TRANSPORTATI | ON | STRUCTURE NO. 099-0057 | | | CONTRACT | NO. 60 | M66 |
| PLOT DATE = 2/8/2011 | | DATE - 2/8 | 3/2011 | REVISED | - | | | | | SHEET NO. S-3 OF 35 SHEETS | FED. ROAD | DIST. NO. 1 ILLINOIS FED. / | ID PROJECT | | |
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TOTAL BILL OF MATERIAL

- Substructure