

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
 $f_y = 60,000$ 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 $\frac{3}{4}$ " diameter, open holes $\frac{1}{16}$ " diameter, bolts $\frac{7}{8}$ " diameter, open holes $\frac{1}{16}$ " 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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Slope Wall Removal	Sq.Yd.	-	134	134
Slope Wall 4 Inch	Sq.Yd.	-	134	134
Porous Granular Embankment	Cu.Yd.	-	222	222
Epoxy Crack Injection	Foot	-	17	17
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq.Ft.	-	12,782	12,782
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq.Ft.	-	2,006	2,006
Deck Slab Repair (Partial)	Sq.Yd.	221	-	221
Deck Slab Repair (Full Depth, Type II)	Sq.Yd.	2	-	2
Silicone Joint Sealer, 1"	Foot	353	-	353
Silicone Joint Sealer, 1.75"	Foot	289	-	289
Silicone Joint Sealer, 2.5"	Foot	325	-	325
Silicone Joint Sealer, 2.75"	Foot	388	-	388
Silicone Joint Sealer, 3"	Foot	50	-	50
Polymer Concrete	Cu.Ft.	50	-	50
Temporary Shoring and Cribbing, Special	Each	-	118	118
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1	-	1
Jack and Clean Bearings	Each	-	58	58
Cleaning Drainage System *	L. Sum	1	-	1
Structural Steel Repair	Pound	8,560	-	8,560
Cleaning Lower Truss Chord	L. Sum	1	-	1
Protective Shield	Sq.Yd.	120	-	120
Jack and Reposition Bearings	Each	1	-	1
Furnishing and Erecting Structural Steel	Pound	40	-	40

* Total number of drains = 578

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DESIGNED - PCA/MEA	REVISED -
DRAWN - CFB/RCW	REVISED -
CHECKED - MEA/PCA	REVISED -
DATE - 2/8/2011	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NOTES & TOTAL BILL OF MATERIAL
EASTBOUND FAI-80 OVER DES PLAINES RIVER
STRUCTURE NO. 099-0056**

SHEET NO. S-3 OF 35 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99 (2&3) RS-3	WILL	200	110
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60M64	