GENERAL NOTES

- 1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $^{7}8$ " ϕ , holes $^{15}6$ " ϕ , unless otherwise noted.
- 2. Calculated Weight of Structural Steel = 25,380 lb
- 3. All structural steel shall be AASHTO M 270 Grade 50.
- 4. No field welding is permitted except as specified in the contract documents.
- 5. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- 6. Reinforcement bars designated (E) shall be epoxy coated.
- 7. 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. 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 \(^1\)4 in. 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.
- 8. 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.
- 9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 10. 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 color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures".
- 11. Slipforming of the parapets is not allowed.
- 12. The contractor shall provide support and/or shoring systems for the beams in the area of existing beam removal. See Special Provision "Temporary Shoring and Cribbina."
- 13. 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."

INDEX OF SHEETS

SB1	GENERAL PLAN AND ELEVATION
SB2	GENERAL NOTES AND BILL OF MATERIAL
SB3	TOP OF SLAB ELEVATION LOCATIONS
SB4	TOP OF SLAB ELEVATIONS I
SB5	TOP OF SLAB ELEVATIONS II
SB6	TOP OF NORTH APPROACH SLAB ELEVATIONS
SB7	TOP OF SOUTH APPROACH SLAB ELEVATIONS
SB8	DECK PLAN AND CROSS SECTION - UNIT 1
SB9	DECK PLAN AND CROSS SECTION - UNIT 2
SB10	DECK PLAN AND CROSS SECTION - UNIT 3
SB11	SUPERSTRUCTURE DETAILS - UNIT 1
SB12	SUPERSTRUCTURE DETAILS - UNIT 2
SB13	SUPERSTRUCTURE DETAILS - UNIT 3
SB14	SUPERSTRUCTURE DETAILS
SB15	NORTH BRIDGE APPROACH SLAB DETAILS (SHEET 1 OF 2)
SB16	NORTH BRIDGE APPROACH SLAB DETAILS (SHEET 2 OF 2)
SB17	SOUTH BRIDGE APPROACH SLAB DETAILS (SHEET 1 OF 2)
SB18	SOUTH BRIDGE APPROACH SLAB DETAILS (SHEET 2 OF 2)
SB19	PREFORMED JOINT STRIP SEAL
SB20	DRAINAGE SCUPPER
SB21	STRUCTURAL STEEL DETAILS I
SB22	STRUCTURAL STEEL DETAILS II
SB23	STRUCTURAL STEEL DETAILS II
SB24	ABUTMENT AND PARAPET REMOVAL
SB25	NORTH ABUTMENT DETAILS
SB26	NORTH WINGWALL DETAILS
SB27	SOUTH ABUTMENT DETAILS
SB28	SOUTH WINGWALL DETAILS
SB29	SLOPE WALL REPAIR
SB30	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS

CURVE DATA
(# I-74 NB Off Ramp)

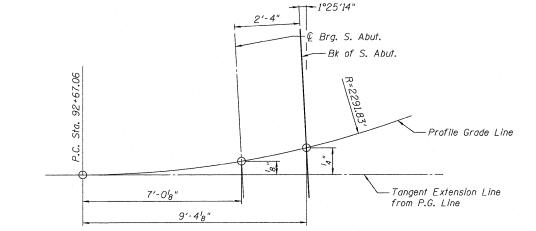
 $\Delta = 0^{\circ}49'25'' (LT)$ $D = 2^{\circ}30'00''$ R = 2291.83'

SE = Varies P.C. = Sta. 92+67.06 P.T. = Sta. 93+00.00

T = 16.47' L = 32.94' E = 0.06'

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL					
Concrete Removal	Cu. Yd.		19.0	19.0					
Removal of Existing Concrete Deck No. 2	Each	1		1					
Protective Shield	Sq. Yd.	855		855					
Concrete Structures	Cu. Yd.		34.0	34.0					
Concrete Superstructure	Cu. Yd.	465.2		465.2					
Bridge Deck Grooving	Sq. Yd.	1,295		1,295					
Protective Coat	Sq. Yd.	1,670		1,670					
Furnishing and Erecting Structural Steel	L. Sum	1		1					
Stud Shear Connectors	Each	2,556		2,556					
Structural Steel Removal	Pound	14,000		14,000					
Reinforcement Bars, Epoxy Coated	Pound	122,650	<i>3,1</i> 50	125,800					
Bar Splicers	Each	46		46					
Name Plates	Each	1		1					
Preformed Joint Strip Seal	Foot	98		98					
Drainage Scuppers (Special)	Each	4		4					
Slope Wall Repair	Sq. Yd.		280	280					
Slope Wall Slurry Pumping	Cu. Yd.		120	120					
Temporary Shoring and Cribbing	L. Sum	1		1					
'			·						
	<u> </u>								
<u> </u>									



OFFSET SKETCH

FILE NAME = 8818116-64D95-S882-GN.dgn

	USER NAME = JACOBS	DESIGNED - KEB	REVISED -
		CHECKED - MBO	REVISED -
ı	PLOT SCALE =	DRAWN - KEB	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - MBQ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND BILL OF MATERIAL STRUCTURE NO. 081-0116 SHEET NO. SB2 OF SB30 SHEETS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(81-1HB)D	ROCK ISLAND	78	48
			CONTRACT	NO. E	34D95
		ILLINOIS FED. AID PROJECT			