GENERAL NOTES:

1. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts $^{3}/_{4}$" ϕ, holes $^{15}/_{16}$" ϕ, unless otherwise noted.

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

3. Reinforcement bars designated (E) shall be epoxy coated.

4. The Inorganic Zinc Rich 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 final finish coat for all interior steel surfaces shall be blue, Munsell No. 10B 3/6.

5. The Contractor shall exercise care during removal of existing joints to ensure that the slab, beams and diaphragms' integrity will not be detrimentally impacted. The Contractor shall repair any damage(s) to the slab, beams and diaphragms caused by his operation as directed by the Engineer at no additional cost to the Department.

6. 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 can not 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.

7. 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.

8. Strip Seal Expansion Joint shall be hot dipped galvanized.

9. No temporary joint seal is required if work is completed prior to winter shutdown. If work is not completed then joint opening should be temporarily sealed at no additional cost to the Department.

10. For proposed underdeck lighting, see Lighting Plans.

11. For coordination of the bridge removal and construction stages specified herein with the overall project staging, see the Project Staging Coordination Table on this sheet.

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

13. Existing structural steel 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."

14. Diaphragm connection holes shall be $^{15}/_{16}$" ϕ for $^{3}/_{4}$" ϕ H.S. bolts. Two hardened washers are required for each set of oversized holes.

15. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the blockout is cast at an ambient temperature other than 50°F.

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	149.7
Protective Shield	Sq. Yd.	358
Concrete Superstructure	Cu. Yd.	87.1
Bridge Deck Grooving	Sq. Yd.	508
Protective Coat	Sq. Yd.	978
Furnishing and Erecting Structural Steel	Pound	4,010
Reinforcement Bars, Epoxy Coated	Pound	16,440
Bar Splicers	Each	40
Preformed Joint Strip Seal	Foot	209.5

PROJECT STAGING COORDINATION TABLE

Bridge Removal or Construction Stage	Overall Project Stage
Stage I	Pre-Stage
Stage II	Stage 1
Stage III	Stage 4
Stage IV	Stage 14

benesch engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10056

FILE NAME = 0900141_68620_02_gndt.dgn	USER NAME = mbecker	DESIGNED - JDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 090-0141	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MRB/AAY	REVISED -			74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	2041
	PLOT SCALE =	DRAWN - PRT	REVISED -						CONTRACT NO. 68620	
	PLOT DATE = 7/16/2012	CHECKED - MRB/AAY	REVISED -		SHEET NO. SD2 OF SD29 SHEETS		ILLINOIS	FED. AID PROJECT		

X:\10000S\10056\Engineering_Documents_Phase_II\MortonOver174\Final\0900141_68620_02_gndt.dgn
7:36:13 AM
7/16/2012