GENERAL NOTES:

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

2. Calculated weight of Structural Steel:
   M 270 Grade 36 = 107,820 pounds
   M 270 Grade 50 = 1,469,310 pounds

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

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

5. If the Contractor elects to use cantilever forming brackets on the exterior girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior girder at each of these additional bracket locations.

6. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $^{1}/_{8}$ in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

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

8. 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 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.

9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

10. Slipforming of parapets is not allowed.

11. Remove existing abutments and wingwalls to 5' below proposed ground. Remove existing piers to 2' below proposed ground. No temporary retention system is included in the plans for removal below grade of the existing creosoted timber piles under the approach slabs. These piles may be extracted or cut off by use of localized excavations. The piles adjacent to the stage construction line will require extraction. Cost included with the cost of Removal of Existing Structures No. 4 and No. 5. If pile deterioration is such that extraction becomes infeasible by determination of the Engineer, then localized earth retention with excavation and pile cutoff will be paid for according to Article 109.04 of the Standard Specifications.

12. Areas of the existing bridge have permanent protective shield in place. If any part of the existing permanent protective shield system is to be re-used as temporary protective shield, the Contractor shall submit design calculations to the Engineer proving the system meets the requirements of Article 501.03 of the Standard Specifications. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer.

13. Approach Slabs shall be poured at lower temperatures to mitigate the formation of transverse cracks in the slab. The expansion length of this structure is large, allowing significant expansion and contraction of the deck during temperature changes. △2

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL	
Removal of Existing Structures No. 4	Each			1	
Removal of Existing Structures No. 5	Each			1	
Protective Shield	Sq. Yd.	512		512	
Structure Excavation	Cu. Yd.		1,421	1,421	△2
Concrete Structures	Cu. Yd.		671.8	671.8	△2
Concrete Superstructure	Cu. Yd.	1,700.3		1,700.3	
Bridge Deck Grooving	Sq. Yd.	4,722		4,722	
Protective Coat	Sq. Yd.	5,552		5,552	
Furnishing and Erecting Structural Steel	L Sum	0.60		0.60	
Stud Shear Connectors	Each	12,348		12,348	
Reinforcement Bars, Epoxy Coated	Pound	357,040	107,350	464,390	△2
Bar Splicers	Each	2,698	320	3,018	
Mechanical Splicers	Each	16	120	136	
Slope Wall 4 Inch	Sq. Yd.		1,319	1,319	
Furnishing Steel Piles HP12X74	Foot		4,118	4,118	△2
Furnishing Steel Piles HP14X89	Foot		4,312	4,312	
Driving Piles	Foot		8,430	8,430	
Test Pile Steel HP12X74	Each		2	2	△2
Test Pile Steel HP14X89	Each		1	1	
Pile Shoes	Each		138	138	
Name Plates	Each	1		1	
Anchor Bolts, 1"	Each	56		56	
Anchor Bolts, $1^{1}/_{2}$"	Each	36		36	
Geocomposite Wall Drain	Sq. Yd.		348	348	
Temporary Sheet Piling	Sq. Ft.		2,253	2,253	
Pipe Underdrains for Structures 4"	Foot		343	343	
High Load Multi-Rotational Bearings, Non-Guided Expansion, 600K	Each	4		4	
Granular Backfill for Structures	Cu. Yd.		828	828	△2

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FILE NAME = 0900169_68620_02_gndsl.dgn	USER NAME = mbecker	DESIGNED - MFB	REVISED - △2 10/23/2012 MFB	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA 1 OF 2 STRUCTURE NO. 090-0169	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MRB/SCW	REVISED -			74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1978
	PLOT SCALE =	DRAWN - PRT	REVISED -					CONTRACT NO. 68620		
	PLOT DATE = 10/22/2012	CHECKED - MRB	REVISED -		SHEET NO. SC2 OF SC63 SHEETS		ILLINOIS FED. AID PROJECT			

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