

GENERAL NOTES:

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. dia., open holes 1/16 in. dia., unless otherwise noted.
- Calculated weight of Structural Steel:
M 270 Grade 36 = 107,820 pounds
M 270 Grade 50 = 1,469,310 pounds
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- 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.
- 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.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on the project.
- 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.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Slipforming of parapets is not allowed.
- 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.
- 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.

INDEX OF SHEETS

- SC1 General Plan and Elevation
- SC2 General Data 1 of 2
- SC3 General Data 2 of 2
- SC4 Footing Layout
- SC5 Stage Construction Details 1 of 2
- SC6 Stage Construction Details 2 of 2
- SC7 Temporary Sheet Piling Details
- SC8 Temporary Barrier Details
- SC9 Top of Deck Elevation Layout
- SC10 Top of Deck Elevations 1 of 6
- SC11 Top of Deck Elevations 2 of 6
- SC12 Top of Deck Elevations 3 of 6
- SC13 Top of Deck Elevations 4 of 6
- SC14 Top of Deck Elevations 5 of 6
- SC15 Top of Deck Elevations 6 of 6
- SC16 Top of West Approach Slab Elevations
- SC17 Top of East Approach Slab Elevations
- SC18 Superstructure 1 of 3
- SC19 Superstructure 2 of 3
- SC20 Superstructure 3 of 3
- SC21 Superstructure Details 1 of 2
- SC22 Superstructure Details 2 of 2
- SC23 Diaphragm Details 1 of 2
- SC24 Diaphragm Details 2 of 2
- SC25 Bridge Approach Slab Details 1 of 3
- SC26 Bridge Approach Slab Details 2 of 3
- SC27 Bridge Approach Slab Details 3 of 3
- SC28 Framing Plan 1 of 2
- SC29 Framing Plan 2 of 2
- SC30 Girder Details 1 of 4
- SC31 Girder Details 2 of 4
- SC32 Girder Details 3 of 4
- SC33 Girder Details 4 of 4
- SC34 HLMR Non-Guided Expansion Bearing Details
- SC35 West Abutment Details 1 of 3
- SC36 West Abutment Details 2 of 3
- SC37 West Abutment Details 3 of 3
- SC38 East Abutment Details 1 of 3
- SC39 East Abutment Details 2 of 3
- SC40 East Abutment Details 3 of 3
- SC41 Pier Details 1 of 2
- SC42 Pier Details 2 of 2
- SC43 HP Pile Details
- SC44 Bar Splicer Assembly Details
- SC45 Soil Boring Logs 1 of 5
- SC46 Soil Boring Logs 2 of 5
- SC47 Soil Boring Logs 3 of 5
- SC48 Soil Boring Logs 4 of 5
- SC49 Soil Boring Logs 5 of 5
- SC50 Existing Plans
- SC51 Existing Plans
- SC52 Existing Plans
- SC53 Existing Plans
- SC54 Existing Plans
- SC55 Existing Plans
- SC56 Existing Plans
- SC57 Existing Plans
- SC58 Existing Plans
- SC59 Existing Plans
- SC60 Existing Plans
- SC61 Existing Plans
- SC62 Existing Plans
- SC63 Existing Plans

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
Concrete Structures	Cu. Yd.		6,718	6,718
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
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
Furnishing Steel Piles HP14X89	Foot		4,312	4,312
Driving Piles	Foot		8,430	8,430
Test Pile Steel HP12X74	Each		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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA 1 OF 2
STRUCTURE NO. 090-0169
SHEET NO. SC2 OF SC63 SHEETS

F.A.I. RTE. 74	SECTION 90-114R(14)B-4,14,14HVB(BR)	COUNTY TAZEWELL	TOTAL SHEETS 2433	SHEET NO. 1978
CONTRACT NO. 68620			ILLINOIS FED. AID PROJECT	

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