

GENERAL NOTES:

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel = 15,620 lb (M270 Grade 36)
122,000 lb (M270 Grade 50)
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
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 cannot be removed by grinding $\frac{1}{4}$ inch 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. Bearing seat surfaces shall be adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
9. Concrete Sealer shall be applied to the designated areas of the substructure concrete.
10. 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 steel surfaces shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".
11. 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.
12. The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
13. Slipforming of the parapets is not allowed.
14. Protective coat shall not be placed on thin polymer overlay.

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
CONCRETE REMOVAL	CU YD	214.4		214.4
PROTECTIVE SHIELD	SQ YD	197		197
FLOOR DRAINS	EACH	12		12
CONCRETE STRUCTURES	CU YD		41.2	41.2
CONCRETE SUPERSTRUCTURE	CU YD	426.8		426.8
PROTECTIVE COAT	SQ YD	551		551
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
STUD SHEAR CONNECTORS	EACH	2,748		2,748
REINFORCEMENT BARS, EPOXY COATED	POUND	110,560	6,990	117,550
BAR SPLICERS	EACH	20	136	156
NAME PLATES	EACH	2		2
PERFORMED JOINT STRIP SEAL	FOOT	364		364
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH		8	8
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH		4	4
ANCHOR BOLTS, 1"	EACH		24	24
ANCHOR BOLTS, 1 1/4"	EACH		8	8
CONCRETE SEALER	SQ FT		2,815	2,815
EPOXY CRACK INJECTION	FOOT		120	120
* CONCRETE BRIDGE DECK SCARIFICATION (3/8 INCH)	SQ YD	2,491		2,491
* BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	3,520		3,520
* ACRYLIC COATING	SQ YD		16	16
* FIBER WRAP	SQ FT		260	260
* STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT		24	24
* SLOPE WALL REPAIR	SQ YD		108	108

* Special Provisions

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					SHEET NO. S-2 OF S-27 SHEETS	