

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8" φ, holes 15/16" φ, unless otherwise noted.

Calculated weight of Structural Steel:
 AASHTO M270 Grade 50 = 220,750 lbs.
 AASHTO M270 Grade 36 = 13,470 lbs.

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

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 of the exterior surfaces and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up and finish coated 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 the bottom of the bottom flange of fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures."

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.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

Reinforcement bars designated (E) shall be epoxy coated.

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

Concrete Sealer shall be applied to the designated areas of the abutments.

Slipforming of the parapets is not allowed.


Contractor may remove and replace existing cable guardrail along IL Rte. 394 to have access to the median with no additional cost to the District.

TOTAL BILL OF MATERIAL

ITEMS	UNITS	SUPERSTRUCTURE	SUBSTRUCTURE	TOTAL
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD		76	76
REMOVAL OF EXISTING SUPERSTRUCTURE	EACH	1		1
CONCRETE REMOVAL	CU YD		19.1	19.1
SLOPE WALL REMOVAL	SQ YD		450	450
PROTECTIVE SHIELD	SQ YD			921
STRUCTURE EXCAVATION	CU YD		88	88
CONCRETE STRUCTURES	CU YD		82.5	82.5
CONCRETE SUPERSTRUCTURE	CU YD	475.2		475.2
BRIDGE DECK GROOVING	SQ YD	826		826
PROTECTIVE COAT	SQ YD	1,440		1,440
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
STUD SHEAR CONNECTORS	EACH	3,960		3,960
REINFORCEMENT BARS, EPOXY COATED	POUND	105,370	13,430	118,800
BAR SPLICERS	EACH	82		82
BRIDGE FENCE RAILING	FOOT	549		549
SLOPE WALL 4 INCH	SQ YD		536	536
NAME PLATES	EACH			1
PREFORMED JOINT STRIP SEAL	FOOT	88.5		88.5
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	12		12
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	12		12
ANCHOR BOLTS, 1 1/4"	EACH	60		60
CONCRETE SEALER	SQ FT		50	50
EPOXY CRACK INJECTION	FOOT		61	61
GEOCOMPOSITE WALL DRAIN	SQ YD		52	52
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		90	90
DRAINAGE SCUPPERS, DS-12	EACH	4		4
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT		101	101
DRAINAGE SYSTEM	L SUM			1

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