

SHEET NO. 1

6 SHEETS

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Fasteners shall be high strength bolts. Bolts 3_4 ' $^{\phi}$, open holes $^{13}_{16}$ ' $^{\phi}$, unless otherwise noted.

The Contractor shall provide a shoring system for the beam in the area of existing beam removal. See Special Provision 'Temporary Shoring and Cribbing'. Cost of removal and/or re-installation of all members necessary to complete

the work as detailed on the plans and as specified in the Special Provisions shall be included in the cost of Furnishing and Erecting Structural Steel.

The inorganic zinc rich primer/acrylic/acrylic paint system shall be used for

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 acrylic finish coat for interior surfaces shall be Gray, Munsell No. 5B 7/1 and the exterior and bottom flange of fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision "Cleaning and Painting New Metal Structures".

The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project. Existing structural steel that will be 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".

Prior to pouring the new concrete deck, all loose rust, loose mill scale and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

After beam straightening operations have been completed, the Engineer in the field shall check to see that the top flange is tight against the slab. If not, the Contractor shall inject epoxy between the existing concrete deck and the top flange of the beam. See Special Provision "Epoxy Injection".

The deck surface shall have its final finish tined according to Article 420.11(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material except fill plates.

TOTAL BILL OF MATERIAL

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ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	19.2
Concrete Superstructure	Cu. Yd.	19.2
Reinforcement Bars (Epoxy Coated)	Lbs.	4040
Furnishing and Erecting Structural Steel	Lbs.	11510
Floor Drains	Each	2
Beam Straightening	LS	0.33
Temporary Shoring and Cribbing	LS	1
Structural Steel Removal	Pound	11690
Structural Steel Repair	Pound	1260
Removing & Re-erecting Existing Railing	Foot	73
Stud Shear Connectors	Each	144
Protective Shield	Sq. Yd.	100

PLAN AND ELEVATION
FAI 64 (WB) OVER US 45
WAYNE COUNTY
SN 096-0053 (WB)