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ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAP 29	۵۵	Knox		16	9	8 SHEETS
PED. NOND 0157.	NO. 7	ILL INDIS	FED. ALD PROJECT-			

Contract Number: 68856 AA (21-HB-2)I-4

## GENERAL NOTES

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

Fasteners shall be high strength bolts. Flange splice holes shall be  ${}^{15}_{16}$  "\$ for  ${}^7_B{}''\phi$  bolts. Web splice holes shall be  ${}^{13}_{16}{}''\phi$  for  ${}^3_4{}''\phi$  bolts.

After the new beam is in its final position and/or 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".

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.

Cost of removal and 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 with Furnishing and Erecting Structural Steel.

The existing structural steel coating contains lead. The Contractor shall 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", and "Cleaning and Painting New Metal Structures". 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. See Special Provision "Cleaning and Painting New Metal Structures".

The Contractor shall provide support and/or shoring systems for the slab and beam in the area of existing beam removal. See Special Provisions "Temporary Shoring and Cribbing" and "Temporary Slab Support System."

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction, Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2. Diaphragm connection holes shall be  ${}^{15}_{16}$  " $\phi$  for  ${}^{3}_{4}$ " $\phi$  bolts. Two hardened

washers shall be required at diaphragm connections.

Removal and replacement of beam sections on Spans 2 and 3 are not to be done simultaneously.

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PLAN AND ELEVATION F.A. ROUTE 29 KNOX COUNTY S.N. 048-0065