

Γ	ROUTE ND.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHE	ET NO.
	F.A.I. 80	37-1HBR -1	HENRY		133	64	18	SHEETS
-	ED. NOAD DIST	. NO. 7	ILLINOIS	FED. AID PROJECT-				
$\overline{C}$	ontract	#646	02					

NO. 1

## GENERAL NOTES

Fasteners shall be high strength bolts. Bolts  ${}^{7}_{8}$   $'' \phi$  open holes  ${}^{15}_{16}$   $'' \phi$ unless otherwise noted.

Anchor bolts shall be set before bolting diaphragms over supports. Calculated weight of Structural Steel = AASHTO M270 Grade 50 = 234,200 lb. All Construction joints shall be bonded. The main load carried mathematical and carried mathemat

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 tension flanges, webs and all splice plate material except fill plates.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

Field welding of construction accessories will not be permitted to girders. Slope wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of  ${}^{l}_{\mathcal{B}}$  inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two  $l_{B}$  ' adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

The Contractor shall drive two Steel HP 12x63 test piles in a permanent location, one each at the East Abutment and at the Pier, as directed by the Engineer before ordering the remainder of piles.

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 Interstate Green, Munsell No. 7.5 G 4/8. See special provisions for Cleaning and Painting New Metal Structures. The Cost of the removal of existing slopewall shall be included with "Removal of

Existina Structures". The existing structural steel coating contains lead. The Contractor shall take

appropriate precautions to deal with the presence of lead on this project.

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Superstructure	Cu. Yd.	243.0		243.0
Concrete Structures	Cu. Yd.		125.2	125.2
Removal of Existing Structures No. 1	Each			1
Reinforcement Bars, Epoxy Coated	Pound	57370	19950	77320
Protective Coat	Sq. Yd.	906.4		906.4
Name Plates	Each	1		1
Porous Granular Embankment-(Special)	Cu. Yd.		150.0	150.0
Stud Shear Connectors	Each	1908		1908
Bar Splicers	Each	66		66
Furnishing and Erecting Structural	L. Sum			1
Steel	L. Sulli			1
Structure Excavation	Cu. Yd.		262.0	262.0
Furnishing Steel Piles HP 12x63	Foot		1627	1627
Test Pile Steel HP 12x63	Each		2	2
Driving Piles	Foot		1627	1627
Slopewall 4"	Sq. Yd.			261.1
Bridge Deck Grooving	Sq. Yd.	687		687
Pipe Underdrains for Structures 4"	Foot		163	163
Geocomposite Wall Drain	Sq. Yd.		112.5	112.5
Protective Shield	Sq. Yd.	455.7		455.7
	1			

## TOTAL BILL OF MATERIAL

GENERAL PLAN & ELEVATION POPPY GARDEN ROAD OVER I-80 F.A.I. ROUTE 80 - SEC. 37-IHBR-1 HENRY COUNTY STATION 461+73.82 STRUCTURE NO. 037-0171