

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL
FAS 2247	13X- BR-1	BUREAU	51	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 2
OF 19 SHEETS

Contract #64938

General Notes

- Fasteners shall be high strength bolts (AASHTO M 164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or 2 in painted areas.) Bolts 7/8" ϕ , open holes 15/16" ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 63,828 pounds
- All structural steel shall be AASHTO M 270 Grade 50W.
- Field welding of construction accessories will not be permitted to beams or girders.
- Anchor bolts shall be set before bolting diaphragms over supports.
- 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.
- Reinforcement bars shall conform to the requirements of AASHTO M31, or M322 Grade 60.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8" 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 one (1) metal shell test pile in a permanent location at the east abutment and pier 2 as directed by the Engineer before ordering the remainder of piles.
- AASHTO M270 Grade 50W structural steel shall only be painted, at the ends of beams, for a distance equal to the depths of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with an inorganic zinc rich primer per AASTHO M 300, Type 1. No field painting shall be required. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- All construction joints shall be bonded.

TOTAL BILL OF MATERIALS				
ITEM	UNIT	SUPER	SUB	TOTAL
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	--	--	83
STONE RIPRAP, CLASS A4	SQ YD	--	--	506
REMOVAL OF EXISTING STRUCTURES	EACH	--	--	1
STRUCTURE EXCAVATION	CU YD	--	31	31
FLOOR DRAINS	EACH	12	--	12
CONCRETE STRUCTURES	CU YD	--	108.2	108.2
CONCRETE SUPERSTRUCTURE	CU YD	159.3	--	159.3
BRIDGE DECK GROOVING	SQ YD	423	--	423
PROTECTIVE COAT	SQ YD	558	--	558
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	--	1
STUD SHEAR CONNECTORS	EACH	1944	--	1944
REINFORCEMENT BARS, EPOXY COATED	POUND	34410	7570	41980
FURNISHING METAL PILE SHELLS 14"	FOOT	--	839	839
DRIVING AND FILLING SHELLS	FOOT	--	839	839
TEST PILE METAL SHELLS	EACH	--	2	2
NAME PLATES	EACH	1	--	1
GEOCOMPOSITE WALL DRAIN	SQ YD	--	--	56
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	--	--	152
UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 1	EACH	--	1	1
UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 2	EACH	--	1	1
BAR SPLICERS	EACH	64	--	64
FILTER FABRIC	SQ YD	--	--	506

Index of Bridge Plans

- General Plan
- General Notes and Bill of Materials
- Deck Elevations
- Superstructure Plan and Section
- 5-6. Superstructure Details
- Framing Plan
- Framing Details
- Bearing Details
- West Abutment
- East Abutment
- Pier #1 & #2
- Anchor Bolt Details for Bearings
- Bar Splicer Assembly Details
- Cantilever Forming Brackets
- Concrete Pile Details
- 17-19. Soil Borings

GENERAL NOTES AND BILL OF MATERIALS
FAS ROUTE 2247 (U.S. 6)
OVER BRUSH CREEK
SECTION 13X-BR-1
BUREAU COUNTY
STA. 1510+65.80
SN 006-0169

DESIGNED	JDA
CHECKED	JKC
DRAWN	NQ
CHECKED	JDA