

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 553	125 VBR-1	DEKALB	55	17
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract #64858

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 13/16" ϕ , unless otherwise noted. (FOR INFORMATION ONLY)
- Calculated weight of Structural Steel = 121,060 pounds (ERECTING STRUCTURAL STEEL)
- All structural steel shall be AASHTO M 270 Grade 50W. (FOR INFORMATION ONLY)
- 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. (FOR INFORMATION ONLY)
- Reinforcement bars shall conform to the requirements of AASHTO M31, or M322 Grade 60.
- 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 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. (Adjusting shims Furnished by others)
- The contractor shall drive one (1) metal shell test pile in a permanent location at the south abutment as directed by the Engineer before ordering the remainder of metal shell piles.
- The contractor shall drive one steel test pile in a permanent location at Pier 1 as directed by the Engineer before ordering the remainder of steel 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". (FOR INFORMATION ONLY)
- All construction joints shall be bonded.
- Earth excavation necessary to grade and shape slopes for bituminous coated aggregate slopewall shall be considered included in the cost for bituminous coated aggregate slopewall 6".

TOTAL BILL OF MATERIALS				
ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH	--	--	1
STRUCTURE EXCAVATION	CU YD	--	78	78
FLOOR DRAINS	EACH	12	--	12
CONCRETE STRUCTURES	CU YD	--	143.3	143.3
CONCRETE SUPERSTRUCTURE	CU YD	198.3	--	198.3
BRIDGE DECK GROOVING	SQ YD	545	--	545
PROTECTIVE COAT	SQ YD	718	--	718
ERECTING STRUCTURAL STEEL	L SUM	1	--	1
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	170	--	170
STUD SHEAR CONNECTORS	EACH	1674	--	1674
REINFORCEMENT BARS, EPOXY COATED	POUND	43310	8660	51970
SLOPE WALL 4 INCH	SQ YD	--	66	66
BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	--	553	553
FURNISHING METAL PILE SHELLS 14"	FOOT	--	464	464
FURNISHING STEEL PILES HP 12X53	FOOT	--	895	895
DRIVING AND FILLING SHELLS	FOOT	--	464	464
DRIVING STEEL PILES	FOOT	--	895	895
TEST PILE METAL SHELLS	EACH	--	1	1
TEST PILE STEEL HP 12X53	EACH	--	1	1
NAME PLATES	EACH	--	1	1
BAR SPLICERS	EACH	64	--	64
POROUS GRANULAR EMBANKMENT (SPECIAL)	CU YD	--	110	110
GEOCOMPOSITE WALL DRAIN	SQ YD	--	61	61
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	--	128	128

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
- North Abutment
- South Abutment
- Pier #1 & #2
- Anchor Bolt Details for Bearings
- Bar Splicer Assembly Details
- Concrete Pile Details
- 16-20. Soil Borings

GENERAL NOTES AND BILL OF MATERIALS
IL RTE 72 OVER
IOWA CHICAGO & EASTERN RAILROAD
FAP ROUTE 553
SECTION 125VBR-1
DEKALB COUNTY
STA. 144+14.40
SN 019-0047

REVISED 03-02-06

DESIGNED	-
CHECKED	-
DRAWN	ARR
CHECKED	JKC