

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
U.S. 20	(177-2B)M	STEPHENSON COUNTY	11	2
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	
CONTRACT # 64001				

GENERAL NOTES

This Structure will retain the same number 089-0045

Roadway expansion guards shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.

The roadway expansion plates shall be flame cut as provided in Article 505.04(K) of the Standard Specifications.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to the Engineer. Any cracks that cannot be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

All new structural steel shall conform to AASHTO Classification M-270 Gr. 50. Unless otherwise noted.

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts 3/4"φ, open bolts 1/16" φ, unless otherwise noted.

Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

All structural steel shall be shop painted with the Inorganic zinc rich primer per AASHTO M-300, Type 1. Cost shall be included in the cost of Finger Plate Expansion Joint, 3".

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. When the deck is poured at an ambient temperature other than 50° F.

Calculated weight of new structural steel = 20,570 Lbs.

Reinforcement bars designated (E) shall be epoxy coated.

SUMMARY OF QUANTITY

CODE NO.	ITEM	UNIT	100% STATE
			SFTY-2A QUANTITY
42001300	PROTECTIVE COAT	SQ YD	58
50102400	CONCRETE REMOVAL	CU YD	27.1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	27.6
52000212	FINGER PLATE EXPANSION JOINT, 4"	FOOT	50
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,940
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	1
67100100	MOBILIZATION	L SUM	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1,270
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	24
* 78001110	PAINT PAVEMENT MARKING LINE 4"	FOOT	160
* 78300105	PAVEMENT MARKING REMOVAL	FOOT	160
70400100	TEMPORARY CONCRETE BARRIER	FOOT	300
70400300	TEMPORARY CONCRETE BARRIER TERMINAL SECTION	EACH	2
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	314
50800515	BAR SPLICERS	EACH	31
X0321781	MECHANICAL SPLICE	EACH	50
X7010800	TRAFFIC CONTROL AND PROTECTION, STANDARD 702001 (SPECIAL)	L SUM	1
52000600	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	56
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	24
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	24

* Specialty ITEM

DESIGNED	M.R./R.A.
CHECKED	H.T.
DRAWN	J.S.P.
CHECKED	H.T./M.R.

SUMMARY OF QUANTITIES
AND GENERAL NOTES
US 20 OVER PECATONICA RIVER
FAP ROUTE 301 (US20), SECTION (177-2B)M
STEPHENSON COUNTY
STATION 539+14.00
STRUCTURE NO. 089-0045

SCALE: NONE DATE: JANUARY, 2007
Soodan
Soodan & Associates, Inc.
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