

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

Reinforcement bars designated (E) shall be epoxy coated.

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 around flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding <sup>1</sup>/<sub>4</sub> inch 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

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

Cleaning and field pointing of structural steel shall be done under a separate

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

## TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	5.4	-	5.4
5 Protective Shield	Sq. Yd.	313	-	313
<sup>D</sup> Concrete Superstructure	Cu. Yd.	5.4	-	5.4
Protective Coat	Sq. Yd.	26.0	-	26.0
Reinforcement Bars, Epoxy Coated	Pound	1,330	-	1,330
Bar Splicers	Each	20	-	20
Preformed Joint Strip Seal	Foot	72	-	72
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	20	-	20
Deck Slob Repair (Full Depth, Type II)	Sq. Yd.	10	-	10
Deck Slab Repair (Partial)	Sq. Yd.	50	-	50

\* Apply on top and inside surfaces of new Concrete only.

D	ELEVA	TION			
F.	A.I72	- S.N	. 0840	151	
	CUESTE			·····	

### INDEX OF SHEETS

- General Plan & Elevation
- 2. Staging Typical
- Deck Joint Repairs (1 of 2) 3
- Deck Joint Repairs (2 of 2) 4.
- Preformed Joint Strip Seal 5.
- Deck Patching Plan 6.
- 7. Bar Splicer/Mechanical Splicer Details
- 8. Temporary Concrete Barrier

# DESIGN SPECIFICATIONS

(New Construction) 2002 AASHTO "Standard Specifications for Highway Bridges"

EXISTING LOADING HS 20-44 Allow 25#/sq. ft, for future wearing surface

GENERAL PLAN & ELEVATION TR-171 OVER F.A.I. RTE. 72 SECTION (84-10-1,2) RS-3 SANGAMON COUNTY STATION 200+00.00 STRUCTURE NO. 084-0151

	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
0151	72	(84-10-1,2)RS-3	SANGAMON	194	140
			CONTRACT	NO. 7	2090
	FED. ROAD	DIST. NO. 6 HILLINOIS FED.	ALD PROJECT		