

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 19 SHEETS
F.A.P. 885	107BR-1	Johnson	94	23	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #78030

**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of ASTM A706 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.

Side retainers shall be AASHTO M270 Grade 36 minimum. No in-stream work will be allowed on this project. The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure. If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the new deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Superstructure.

Repair of the substructure shall be completed prior to placement of the new deck beams. Reinforcement bars designated (E) shall be epoxy coated. Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within 6 ft. (measured along the beam) of either side of deck joints shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning - SSPC-SP10 and per Power Tool Cleaned - Commercial Grade shall be painted according to the requirements of Paint System 1 - OZ/E/U. 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 Gray, Munsell No. 5B 7/1.

The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products. The Gauge Station attached to Bent 2 shall be removed and disposed of. The cost of removal of the Gauge Station shall be included in Removal of Existing Superstructures. Shim Plates shall be provided so that the steel railing is flush with the PPC deck beams and concrete curb. The cost of this work shall be included in "Removing and Re-Erecting Existing Railing."

The Steel Railing removal shall extend to the first rail construction joint or expansion joint past the Removing and Re-Erecting Railing limits. The cost of this removal and re-erecting shall be included in the cost of "Removing and Re-Erecting Existing Railing." Cost of Rail Post Anchors shall be included in the cost of "Removing and Re-Erecting Existing Railing." No field welding is permitted except as specified in the contract documents. 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 can not 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.

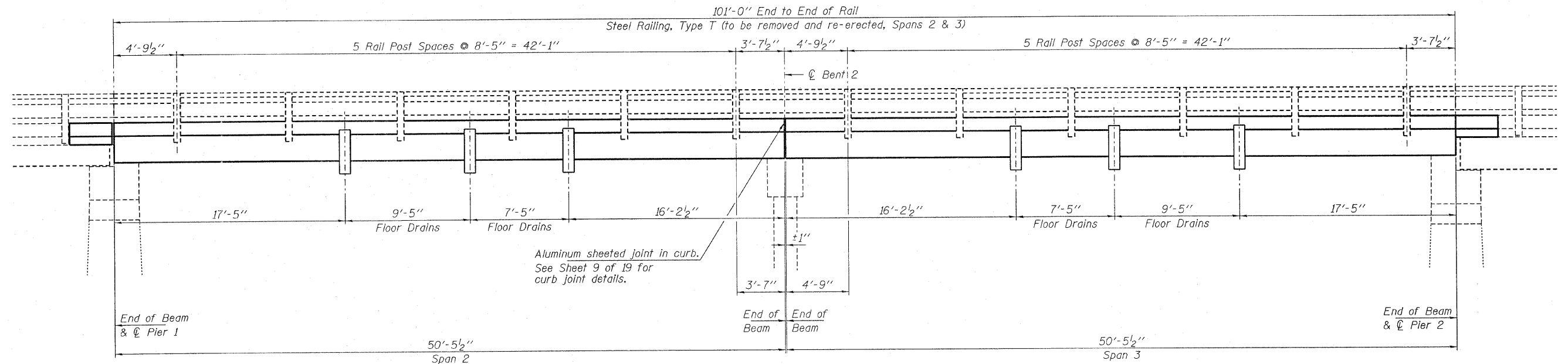
STATION 727+23  
REBUILT 200\_ BY  
STATE OF ILLINOIS  
FAP RT 885 SEC 107BR-1  
LOADING HL-93  
STR. NO. 044-0014

**NAME PLATE**  
See Std. 515001

Note: The existing name plate shall be cleaned and relocated adjacent to the new plate. Cost included with Name Plates.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Temporary Ramp	Sq. Yd.	36		36
Hot-Mix Asphalt Surface Course, Mix "C" N90	Ton	135		135
Hot-Mix Asphalt Surface Removal	Sq. Yd.	1,368		1,368
Removal of Existing Superstructures No. 1	Each	1		1
Concrete Removal	Cu. Yd.	23.2		23.2
Floor Drains	Each	12		12
Concrete Superstructure	Cu. Yd.	32.1		32.1
Protective Coat	Sq. Yd.	34		34
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	3,330		3,330
Containment and Disposal of Lead Paint Cleaning Residues	L. Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound	4,910		4,910
Bar Splicers	Each	96		96
Removing and Re-Erecting Existing Railing	Foot	202		202
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	105		105
Waterproofing Membrane System	Sq. Yd.	1,348		1,348
Portland Cement Mortar Fairing Course	Foot	1,010		1,010
Epoxy Crack Injection	Foot		3	3
Asbestos Bearing Pad Removal	Each	44		44
Deck Slab Repair (Full Depth) - Type 1	Sq. Yd.	1		1
Deck Slab Repair (Partial)	Sq. Yd.	100		100
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.		34	34
Cleaning and Painting Structural Steel, Location 1	L. Sum	1		1



**RAILING ELEVATION**

**HAMPTON, LENZINI & RENWICK, INC.**  
CIVIL & STRUCTURAL ENGINEERS  
LAND SURVEYORS

**HLR**

3085 STEVENSON DRIVE, SUITE 201  
SPRINGFIELD, ILLINOIS 62703  
(217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-52-0007-1 DATE: 04/02/08  
DESIGNED: S.M.S. CHECKED: M.D.C. DRAWN: D.T.M.

**GENERAL DETAILS**

IL. ROUTE 146 OVER CACHE RIVER  
F.A.P. ROUTE 885 / SECTION 107BR-1  
JOHNSON COUNTY  
STATION 727+23.00  
STRUCTURE NO. 044-0014