

STATION 757+97.66 BUILT 200\_ BY STATE OF ILLINOIS A.P. 332 RT. 1 SEC. 103B-1 LOADING HL-93 TRUCK STR. NO 093-0023

# NAME PLATE

(See Std. 515001

## GENERAL NOTES

Fasteners shall be AASHTO MI64 Type 1, mechanically galvanized bolts Bolts  $7_{8}$ in.  $\phi$ , holes  $^{15}_{16}$ in.  $\phi$ , unless otherwise noted.

Calculated weight of Structural Steel = 549,448 Pounds

All structural steel shall be AASHTO M270 Grade 50.

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. See Special Provisions

Reinforcement bars designated (E) shall be epoxy coated.

If the Contractor elects to use cantilever forming brackets on the exterior airders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior girder at each of these additional bracket locations.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of  $l_{\beta}$  inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete Sealer shall be applied to the designated areas of the abutments. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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. See Special Provision for "Cleaning and Painting New Metal Structures". The embankment configuration shown shall be the minimum that must be

placed and compacted prior to construction of the abutments.

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

Current Ratings on File for Existing Structure

Inventory: HS 14.8 Operatina: HS 24.7

Live Load Restrictions: No

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based in Illionis legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

The contractor shall submit a Structural Assessment Report as required for Contractor's means and methods of construction, see Special Provisions. The SSPC QP-1 painting contractor certifications will be required for this bridge.

## LOADING HL-93

#### DESIGN SPECIFICATIONS

### DESIGN STRESSES

FIELD UNITS 3500 psi 60,000 psi (Reinforcement) 50,000 psi (Stuctural Steel)

### SEISMIC DATA

Seismic Performance Zone (SPZ) = 2 Bedrock Acceleration Coefficient (A) = 0.092a Site Coefficient (S) = 1.5

## <u>GENERAL PLAN</u> ILLINOIS ROUTE 1 OVER NORFOLK SOUTHERN RR STA. 757+97.66

0.1	F.A.P. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
	332	1	03B-1		WABASH	90	35	
TS	SN 093-0023				CONTRACT	NO. 94754		
	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 332							