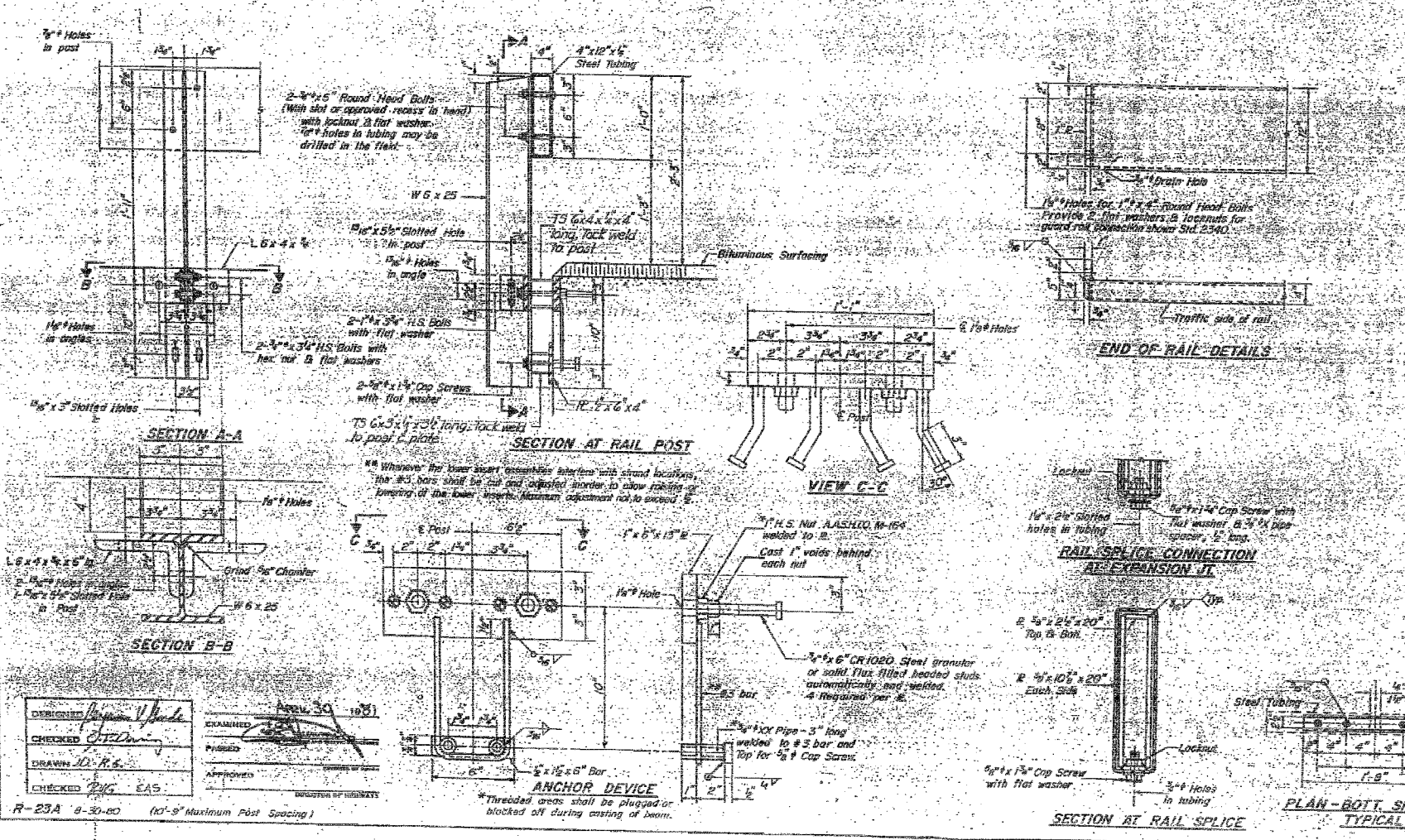
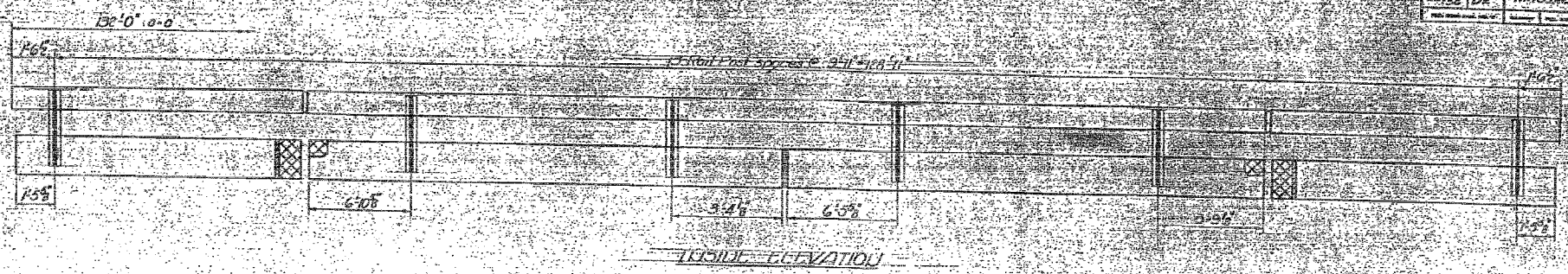


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DESIGNED	DATE	BY	CHECKED	DATE	BY
DR	02/04/08	JMH	AEC	02/04/08	JMH

SHEET NO. 6



**NOTES**

Follow structural steel railing shall conform to the requirements of A.R.T.C. Specification A-500, Grade 50 Structural Steel.

All other steel shapes and plates shall conform to the requirements of AASHTO M-163 except posts and angles shall conform to AASHTO M-223, Grade 50. Posts, top angles and rails shall conform to the requirements of AASHTO M-223, except for high strength bolts, nuts and washers, noted which shall conform to AASHTO M-154.

All fasteners, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-11 and ASTM A-365. Galvanized steel shall not be painted.

Painting shall be in accordance with Section 510 of the Standard Specifications except as noted, and shall be paid for by the contract unit price for steel for "STEEL RAILING, TYPE S-1".

All field drilled holes shall be coated with an approved zinc rich paint before painting.

The base portion of the post flange in contact with concrete shall receive two coats of epoxy paint conforming to Section 510.10, Type B, or place 3" of concrete between the post and concrete.

The 1/2" x 3/4" x 10" x 10" gusset plate used to connect the 6 x 4 x 1/2" angle to the post shall be galvanized in accordance with Article 507.10.12 of the Standard Specifications. The 1/2" x 3/4" x 10" x 10" gusset plate, connecting the angle to the concrete shall be galvanized in a shop and placed on construction in form. The 1/2" x 3/4" x 10" x 10" gusset plate shall be galvanized in a shop.

For multi-span bridges, sufficient 6 x 4 x 1/2" galvanized steel angles shall be provided to align rail between adjacent spans. Cost incidental to Steel Railing.

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type S-1	Lin Ft	PG4

**TYPE S-1  
STEEL RAILING**  
7A-R-132-SEC 102R-DR  
MASSAC COUNTY  
374-5337/2215



FOR INFORMATION ONLY

FILE NAME =	USER NAME = #USER*	DESIGNED - JMH	REVISED -	STATE OF ILLINOIS	EXISTING STRUCTURE PLANS	F.A.P. RTE. 132	SECTION 102BR-1	COUNTY MASSAC	TOTAL SHEETS 82	SHEET NO. 73
#FILE#	PLOT SCALE = #SCALE*	DRAWN - AEC	REVISED -	DEPARTMENT OF TRANSPORTATION	SCALE: NONE	SHEET NO. OF SHEETS STA.	TO STA.	CONTRACT NO. 78032	FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT	
	PLOT DATE = #DATE*	CHECKED - JMH	REVISED -							
		DATE - 02/04/08	REVISED -							