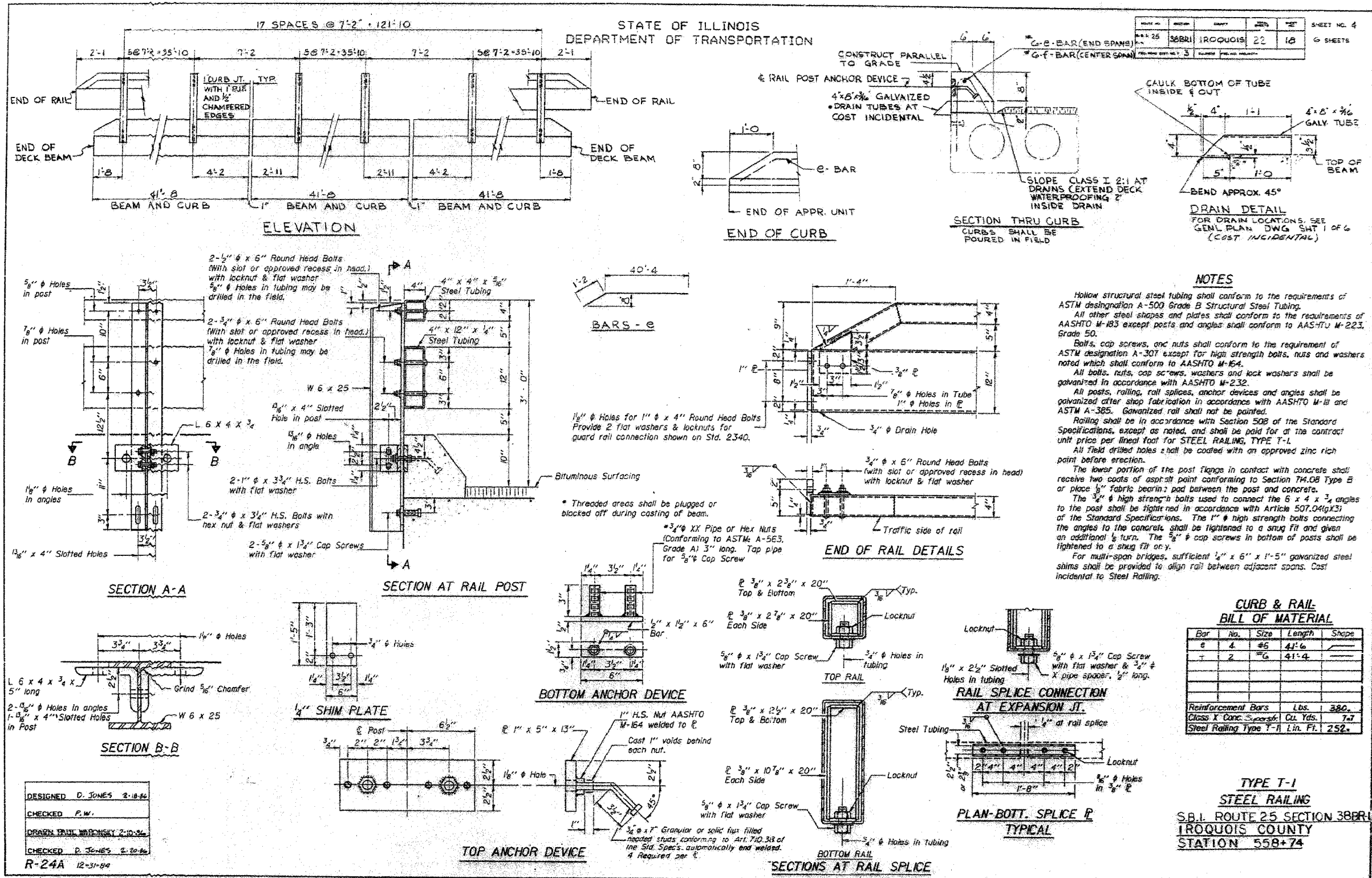


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	19
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-183 except posts and angles shall conform to AASHTO M-223, Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-154.

All bolts, nuts, 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-385. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per linear foot for STEEL RAILING, TYPE T-1.

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

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 74.08 Type B or place 1/2" fabric bearing pad between the post and concrete.

The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/2 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit or y.

For multi-span bridges, sufficient 1/2" x 6" x 1'-5" galvanized steel shims shall be provided to align rail between adjacent spans. Cost incidental to Steel Railing.

CURB & RAIL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
6	4	#5	41'-6"	
7	2	#6	41'-4"	
Reinforcement Bars				Lbs. 380.
Class X Conc. Spacers				Cu. Yds. 7.7
Steel Railing Type T-1 Lin. Ft.				252.

TYPE T-1 STEEL RAILING
 S.B.I. ROUTE 25 SECTION 38BR1
 IROQUOIS COUNTY
 STATION 558+74

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

FAS 1324 (OLD US RTE 45)
 SECTION 38 BR-1
 IROQUOIS COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 11/16/05

DRAWN BY: SUTHEARD
 CHECKED BY: BOTT

GREENE & BRADFORD, INC.
 CONSULTING ENGINEERS
 1001 N. WASHINGTON ST., SUITE 100
 SPRINGFIELD, ILLINOIS 62761
 PHONE: 217-223-8888 FAX: 217-223-8889
 WWW: WWW.GREENE-AND-BRADFORD.COM

COMPUTER FILE NO.
 03236.W010.EPLN

PROJECT 03236 W010
 11/16/05 - MDS

FOR INFORMATION ONLY

REVISIONS

NAME	DATE

PLOT DATE = 12/19/2005
 FILE NAME = J:\03236\W010\DRAWINGS\03236.W010.EPLN.dgn
 PLOT SCALE = 50.00000000 / 1 IN.
 REFERENCE = REF.
 DEPARTMENT = Dept.

DESIGNED	D. JONES	2-10-04
CHECKED	P.W.	
DRAWN	TRIT WIDENSKY	2-10-04
CHECKED	D. JONES	2-20-04
R-24A 12-31-04		