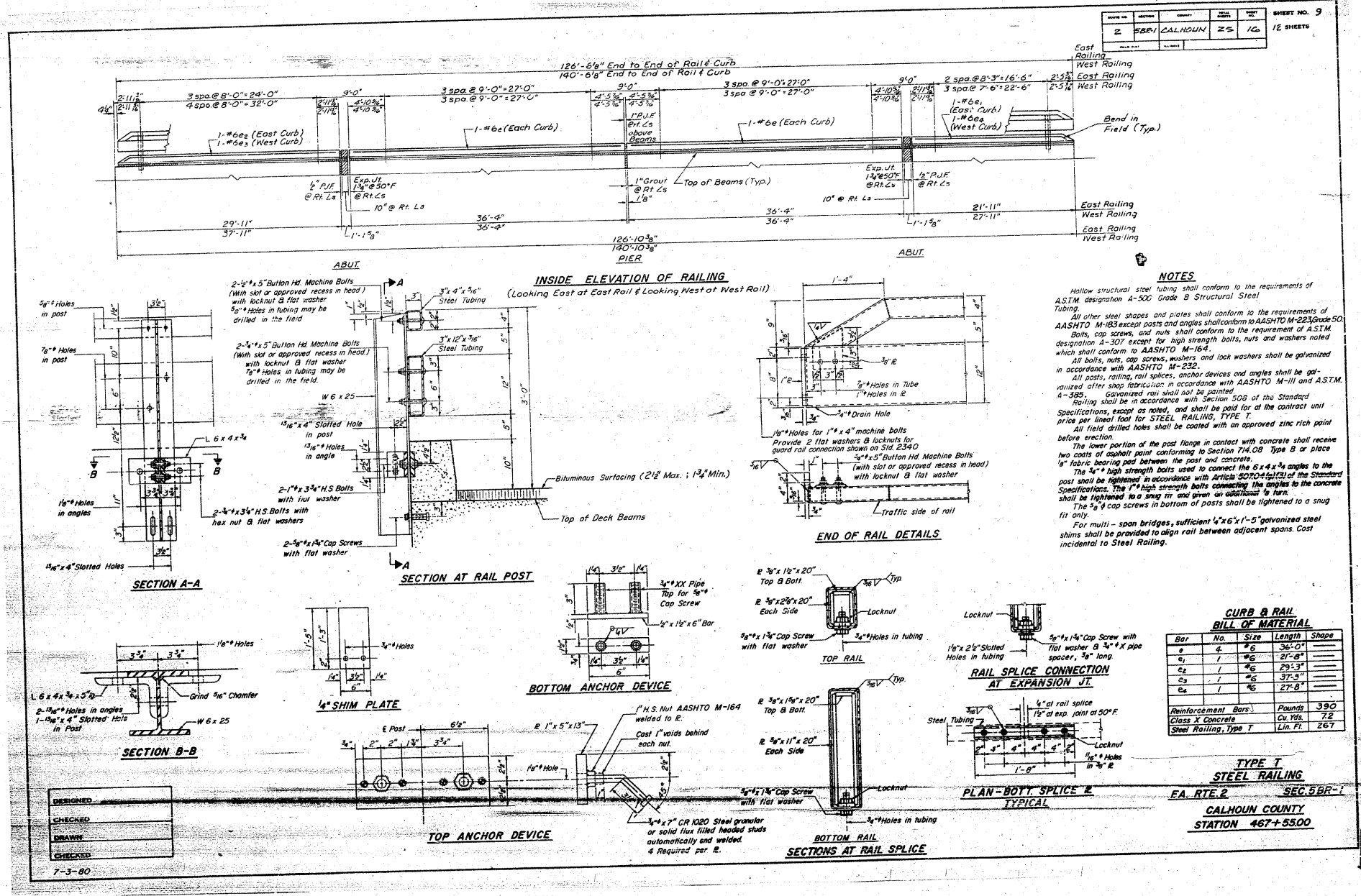


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	5BR-2	CALHOUN	68	63
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**NOTES**

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

2. 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.

3. Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-164.

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

5. All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM. Galvanized rail shall not be painted.

6. Railing shall be in accordance with Section 506 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.

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

8. The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 714.08 Type B or place 1/2" fabric bearing pad between the post and concrete.

9. The 1/2" 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 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 1/4 turn.

10. The 3/8" cap screws in bottom of posts shall be tightened to a snug fit only.

11. For multi-span bridges, sufficient 1/2" x 6 x 1-5/8" 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
a	1/2"	36'-0"	
b	1/2"	27'-0"	
c	1/2"	29'-3"	
d	1/2"	37'-5"	
e	1/2"	27'-0"	

Reinforcement Bars Pounds 390  
 Glass X Concrete Cu Yds 7.2  
 Steel Railing, Type T Lin. Ft. 267

**TYPE T STEEL RAILING**  
 FA. RTE. 2 SEC. 5BR-2  
 CALHOUN COUNTY  
 STATION 467+55.00

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

7-3-80

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EXISTING STRUCTURE PLANS**

FAP ROUTE 304  
 SECTION 5BR-2  
 CLINTON COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 1/24/2009  
 FILE NAME = c:\projects\76948\5br2\5br2.dwg  
 PLOT SCALE = 1/8" = 1'-0"  
 REFERENCE = 0824