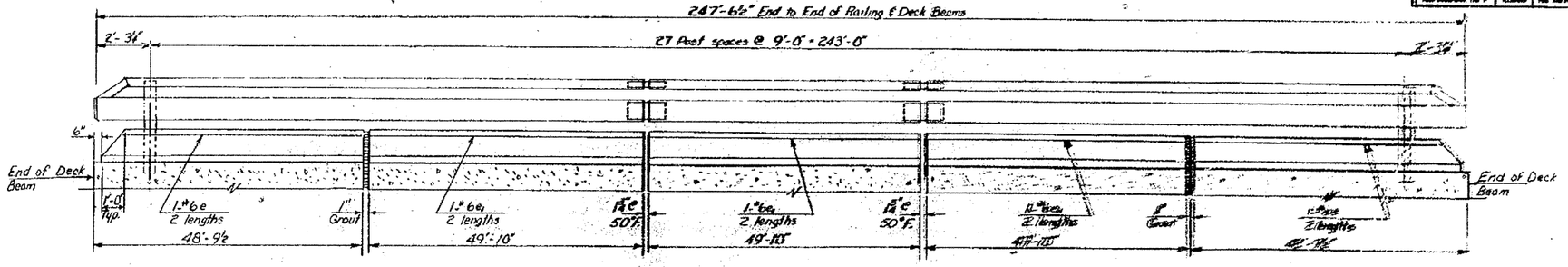
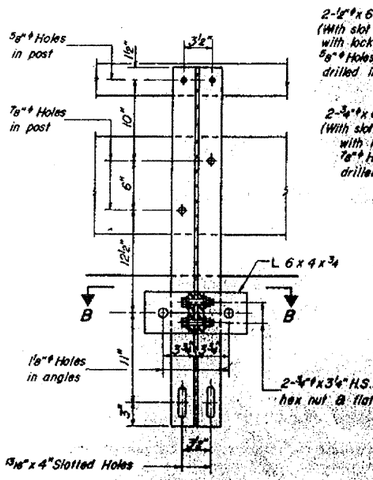
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

			30	14

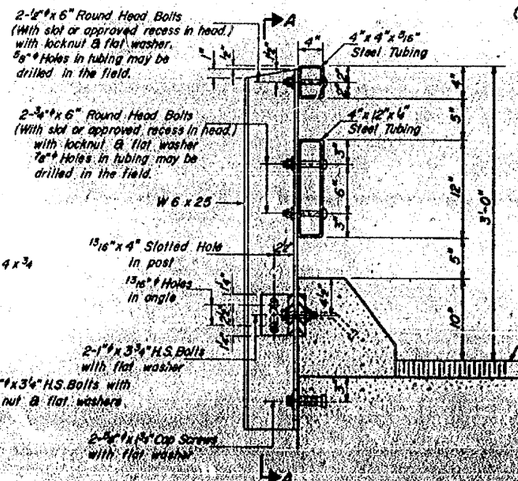
SHEET NO. 7
14 SHEETS



ELEVATION
(Showing Inside Face)



SECTION A-A



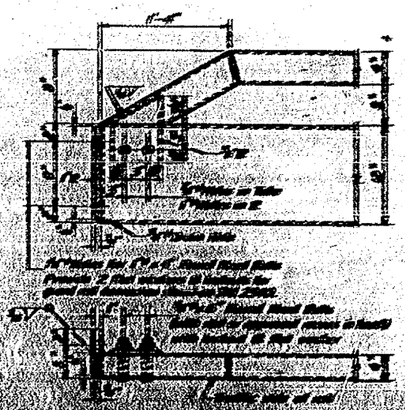
SECTION AT RAIL POST

SECTION B-B

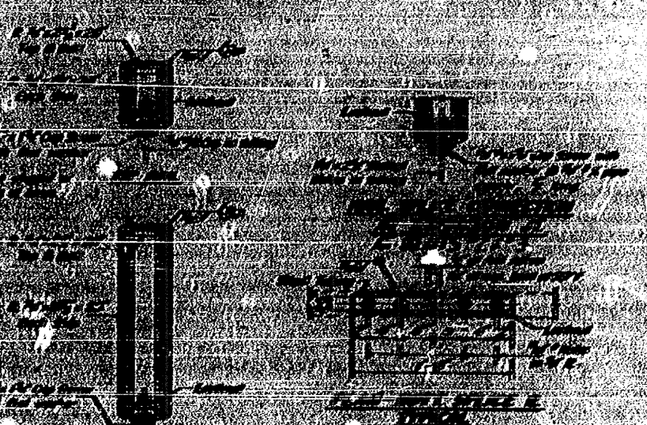
4" SHIM PLATE

BOTTOM ANCHOR DEVICE

TOP ANCHOR DEVICE



END OF RAIL DETAILS



RAIL SPLICE DETAILS

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 A.S.T.M. designation A-307 except for high strength bolts, nuts and washers nuts and washers shall conform to AASHTO M-164.

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

All posts, railings, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-111 and A.S.T.M. A-385. Galvanized rust 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 round drilled holes shall be coated with an approved zinc rich paint before erection.

The inside portion of the post flange in contact with concrete shall receive one coat of asphalt paint conforming to Section 714.08 Type B or place ¼" asphalt coated pad between the post and concrete.

The ¾" high strength bolts used to connect the 6 x 4 x ¾ angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 7 each ¾" high strength bolts connecting the angles to the concrete anchorage shall be given a snug fit and given an additional ½ turn. The ⅝" ϕ cap screws in bottom of posts shall be tightened to a snug fit only.

For plastic seam shrinkage, sufficient ¼" x 6" x 1'-5" galvanized steel shims shall be provided to allow rail between adjacent spans. Cost incidental to Steel Railing.

CURB & RAIL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	8	#6	24'-7"	
b	12	#6	25'-10"	
Reinforcement Bars			Lbs.	760
Class X Concrete			Cu. Yds.	16.1
Steel Railing, Type T-1			Lin. Ft.	496

DESIGNED	D.C.
CHECKED	GR. LK.
DRAWN	John Priester
CHECKED	GR. LK.

January 15, 1984
Director of Highways

R-24A 8-30-80 (111'-0" Maximum Post Spacing)

TYPE T-1
STEEL RAILING
FA RTE 805 SEC. 126BR
CLINTON COUNTY
STATION 1119+05

FOR INFORMATION ONLY

FILE NAME = c:\pw_work\pwidot\galinh\d0251845\pln00026e.dgn	USER NAME = galinh	DESIGNED - HG	REVISED -	
	PLOT SCALE = 100.6465 ' / IN.	DRAWN - HG	REVISED -	
	PLOT DATE = 12/9/2008	CHECKED -	REVISED -	
		DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE

SCALE: 1" = 50' | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	126-BR-1	CLINTON	85	72
		CONTRACT NO. 76976		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		