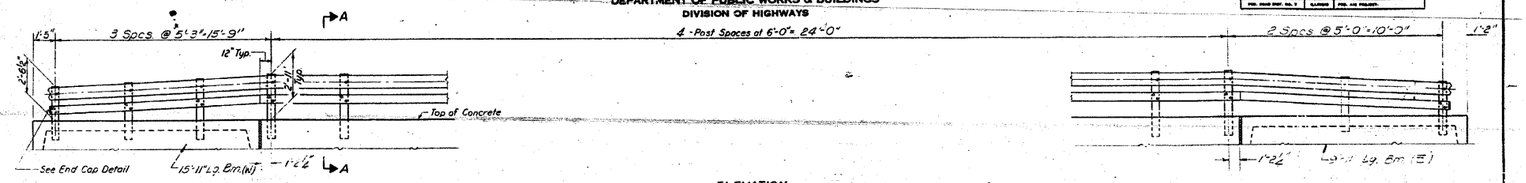
CONTRACT NO. 76949

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1832	5BR-2	WASHINGTON	97	87
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

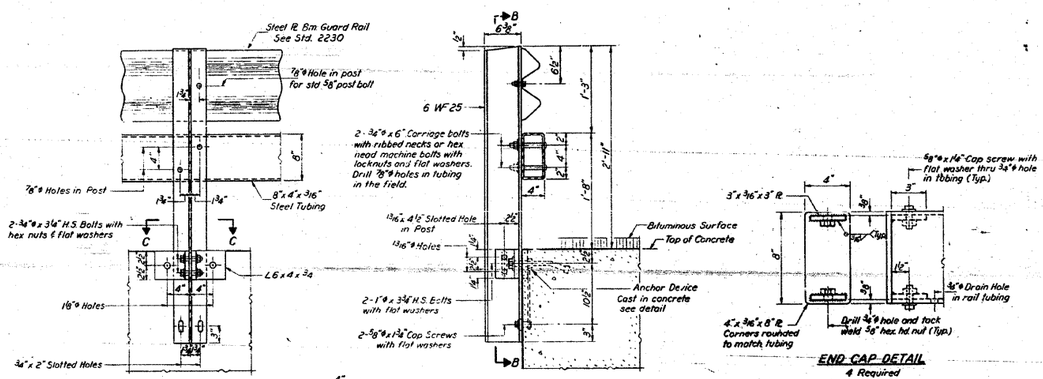
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE SEC.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.S. 1832 5BR-2	WASHINGTON	20	17
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	

SHEET NO. 5
3 SHEETS



ELEVATION
Showing inside face of railing



NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-501 "Hot Formed Welded and Seamless Carbon Steel Structural Tubing."

All other steel shapes and plates shall conform to the requirements of ASTM designation A-441 or A-36.

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 ASTM designation A-325.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with ASTM designation A-153.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with ASTM designation A-123 and A-386. 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 lineal foot for STEEL RAILING, TYPE W.

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 714.08 Type B or place 1/8" fabric bearing pad between the post and concrete.

The 3/4"ø high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 710.11 of the Standard Specifications. The 1"ø high strength bolts connecting the angles to the concrete beam shall be tightened to a snug fit and given an additional 1/2 turn.

BILL OF MATERIAL

Item	Unit	Quantity
STEEL RAILING, TYPE W	Ln. Ft.	100

DESIGNED	W. Haas	MARCH 24 1971
CHECKED	Leo Appel Lee	EXAMINED
DRAWN	J.L. Armstrong	PASSED
CHECKED	W.H.	

TYPE W STEEL RAILING
F.A. RT 16 SEC. 5BR
WASHINGTON COUNTY
STATION 1510 + 30

R-1

S.N. 095-0078

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

FAS ROUTE 1832
SECTION 5BR-2
WASHINGTON COUNTY

SCALE: VERT. HORIZ.
DRAWN BY
DATE
CHECKED BY

FOR INFORMATION ONLY

PLOT DATE = 11/29/2007
FILE NAME = c:\projects\ed091605\plan\sht091605e.dgn
PLOT SCALE = 50.0000 '/ IN.
REFERENCE = REF