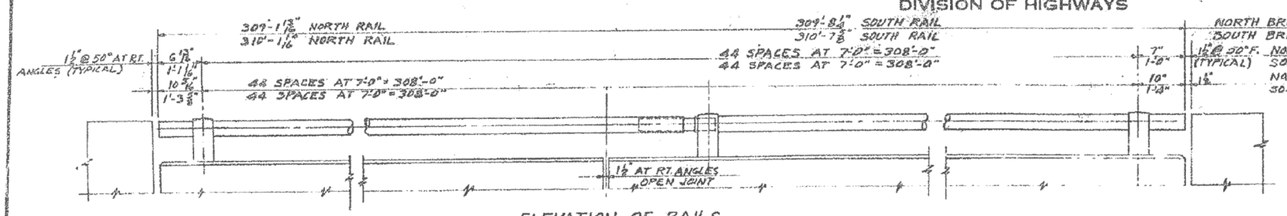
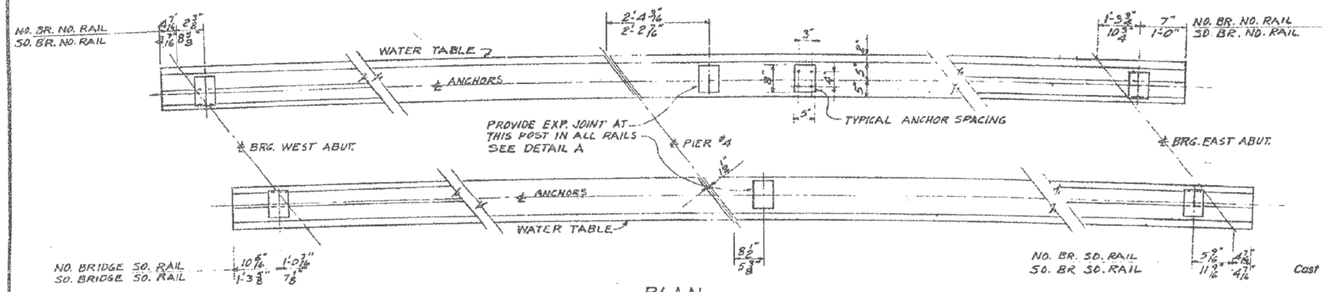
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. RT. 74	90-14 HVB	TAZEWELL	24	19
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

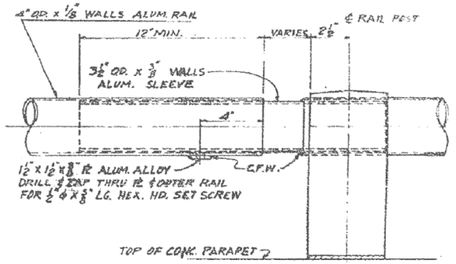
SH. 12 of 15



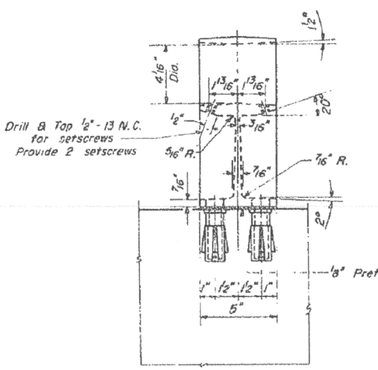
ELEVATION OF RAILS



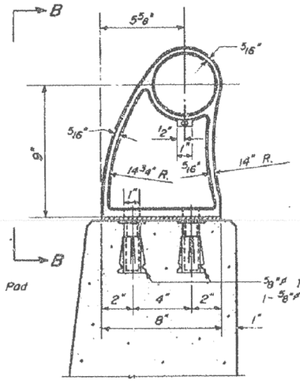
PLAN



DETAIL A
RAIL CONNECTION AT EXPANSION JOINTS

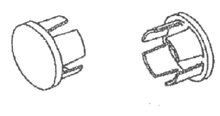


VIEW B-B



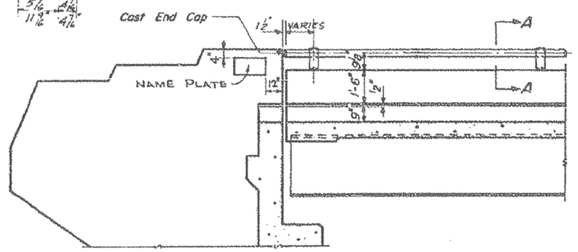
SECTION A-A

RAIL POST DETAILS

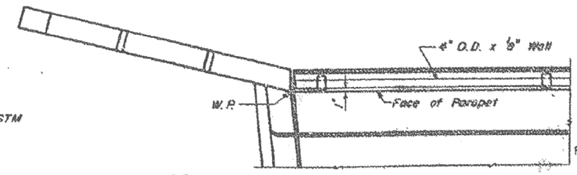


CAST END CAP
DRIVE FIT TYPE
B - Required
Incidental to item "Aluminum Handrail"

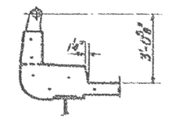
NOTES
All Posts shall be placed normal to parapet
All Posts shall be of Aluminum conforming to ASTM Specification B-108 alloy SG-70B-T6.
All Rail Tubing shall be of Aluminum conforming to ASTM Specification B-235 alloy GS-11A-T6.
Alclad Washers shall be made from sheet conforming to ASTM Specification B-209 alloy clad CG-42A-T4.
Rail Tubing may be cut to 1, 2, or max. of 3 panel lengths.
For material composition of Prefabricated Pad, See Art. 54.9 (f), (Bearings and Anchorage), of the Std. Specs.
Set Screws shall be of Aluminum conforming to ASTM Specification B-211 alloy CG-42A-T4.



ELEVATION - END POST



PLAN - END POST



SEC. THRU CURB

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Handrail	Lin. Ft.	1240

HANDRAIL
F.A.I. ROUTE 74 SECTION 90-14 HVB
F.A.I. RT. 74 OVER I. T. R.R. & S.B.I. RT. 121
STATION 568+65.40
TAZEWELL COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS DE ATUR, ILLINOIS

DESIGNED	HJK.
CHECKED	GL.
DRAWN	HJK
CHECKED	PHM.

EXAMINED _____ 19
PASSED _____ ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
APPROVED _____ CHAIRMAN OF DIVISION
CHIEF ENGINEER & DIRECTOR

FOR INFORMATION ONLY

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10056

FILE NAME = 0900169_68620_62_exist13.dgn	USER NAME = mbecker	DESIGNED - MFB	REVISED -
		CHECKED - MRB	REVISED -
	PLOT SCALE =	DRAWN - PRT/LLR	REVISED -
	PLOT DATE = 7/16/2012	CHECKED - MRB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 090-0169
SHEET NO. SC62 OF SC63 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-(14R;(14HB-4,14,14HVB)BR)	TAZEWELL	2433	2038
		CONTRACT NO. 68620		
	ILLINOIS FED. AID PROJECT			

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