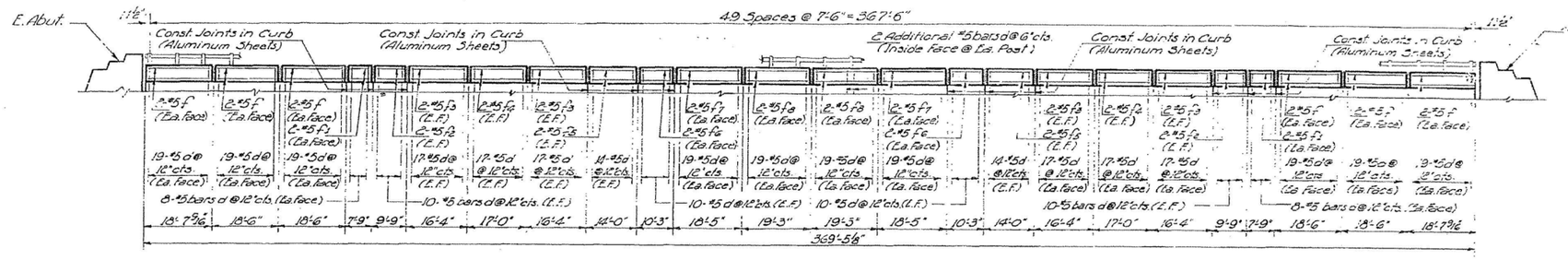
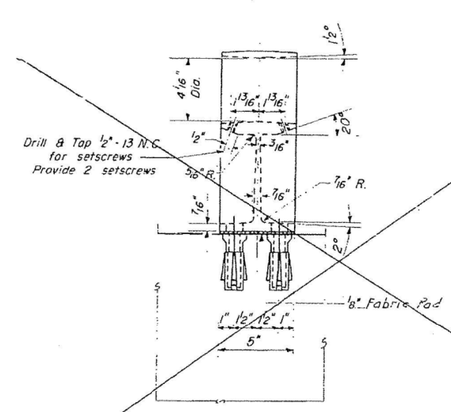
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

			SHEET NO. 5
FAI 57	38-2HVB	IROQUOIS	3. 9	19 SHEETS

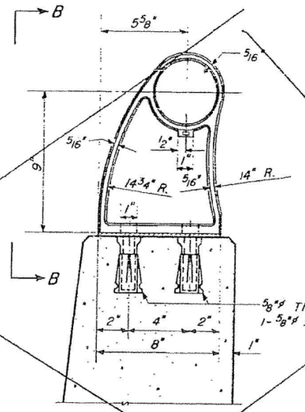


ELEVATION

For Railing Details see Sheet #9A

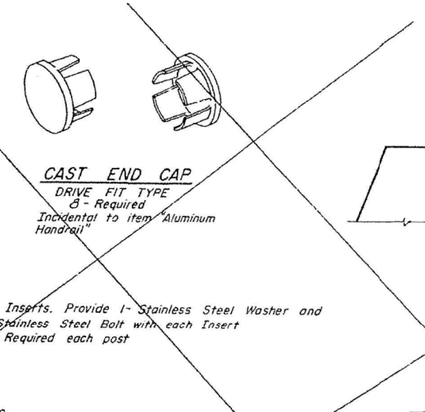


VIEW B-B

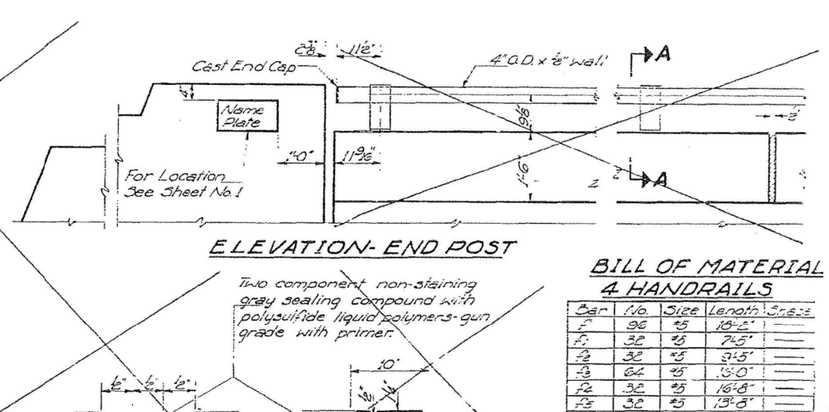


SECTION A-A

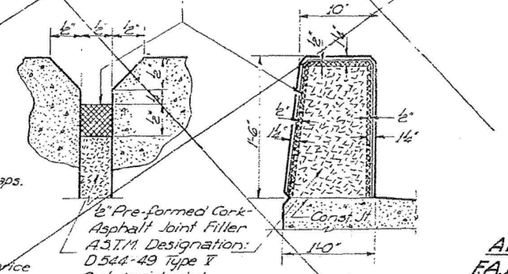
RAIL POST DETAILS



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



ELEVATION- END POST



DETAIL OF JOINT

BILL OF MATERIAL
4 HANDRAILS

Bar	No.	Size	Length	Stress
f	96	#5	18'-2"	
f1	32	#5	7'-5"	
f2	32	#5	21'-5"	
f3	64	#5	15'-0"	
f4	32	#5	16'-8"	
f5	32	#5	13'-8"	
f6	32	#5	9'-11"	
f7	32	#5	18'-1"	
f8	32	#5	18'-11"	
d	3408	#5	3'-0"	L
Class X Concrete Cu Yds.			75.5	
Reinforcement Bars Lbs.			V6690	
Aluminum Handrail Lin. Ft.			1496	

ALUMINUM HANDRAIL
FAI RT. 57 SEC. 38-2HVB
IROQUOIS COUNTY
STA. 1037+61.38

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 6061-T6.
Aluminum handrail shall be measured in lineal feet. The length paid for shall be the overall length along the top longitudinal railing member through all post & gaps.
Rail Tubing may be cut to random lengths.
Fabric Bearing Pad.
Set Screws shall be of Aluminum conforming to ASTM Specification B-211 alloy 2024-T4.
Aluminum handrail will be paid for at the contractor unit price per lineal foot for Aluminum Handrail, measured as specified, which price shall be payment in full for all materials, fabrication, transportation and erection.

DESIGNED	P. Sander	
CHECKED	L.M. Garard	
DRAWN	W. A. Sausaman	A Barraza
CHECKED	L.M.G.	
EXAMINED	M.E. Baumann, ENGINEER OF BRIDGES AND TRAFFIC SIGNALS	Aug 28 1963
PASSED	H.J. Allen, ENGINEER OF DESIGN	
APPROVED	ENGINEER OF HIGHWAYS	

R-10 Drawn 2-16-60 Rev. 9-17-62

FOR INFORMATION ONLY

TERRA ENGINEERING LTD.	USER NAME =	DESIGNED - DDB	REVISED
		CHECKED - OY	REVISED
	PLOT SCALE =	DRAWN - DDB	REVISED
	PLOT DATE =	CHECKED - OY	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NOS. 038 – 0013 & 0014
SHEET NO. 5 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	38-2HVB, HVBR-1	IROQUOIS	146	115
		CONTRACT NO. 66942		
	ILLINOIS FED. AID PROJECT			

T:\Projects\09-228-1001-157 Bridges- PTB 153-37\Drawings\CADD Drawings\Structural\Final Plans\existing plans\038001 3-66942-005-EX_BRIDGE_PLANS.dgn