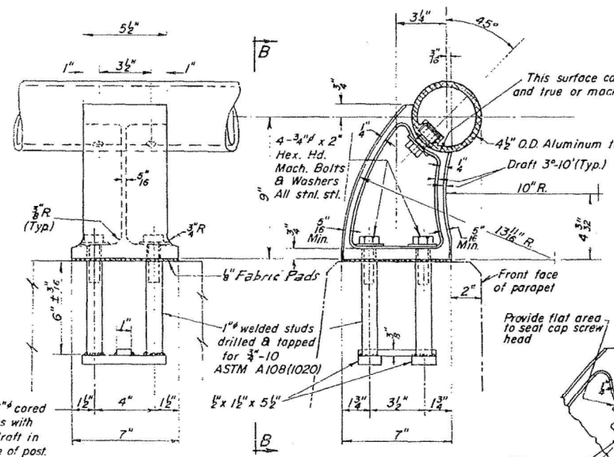
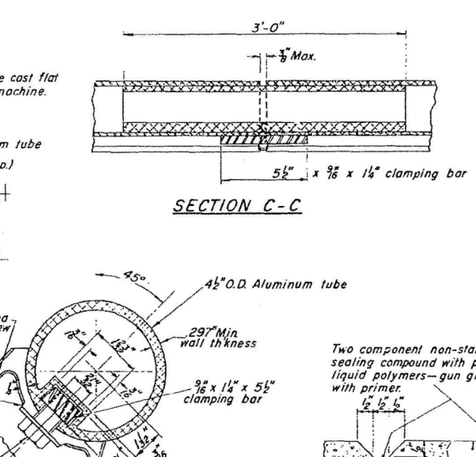
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	38-2HVB	IROQUOIS	21	9A
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

SHEET NO. 51
19 SHEETS



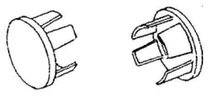
VIEW B-B



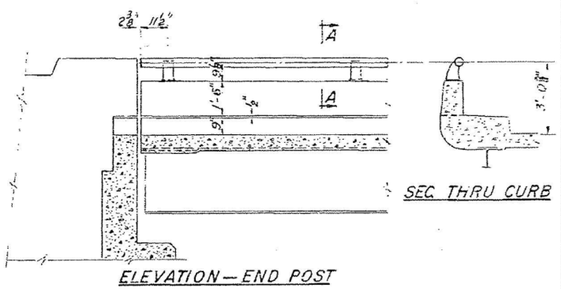
SECTION A-A

RAIL POST DETAILS

SECTION C-C

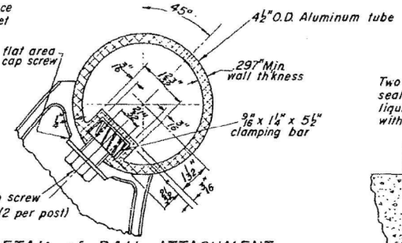


CAST END CAP
DRIVE FIT TYPE
8 Required

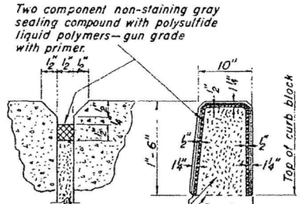


SEC. THRU CURB

ELEVATION — END POST

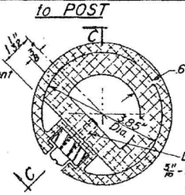


DETAIL of RAIL ATTACHMENT to POST



PARAPET JOINT DETAIL

Note!
Seal base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers—gun grade with primer.



RAILING SPLICE DETAIL

NOTES:

All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-235 alloy 6061-T6, or 6062-T6, and shall extend a minimum of 2 panel lengths (attached to a minimum of 3 posts) except at ends or at open joints where a minimum of 1 panel length is required. All joints in railing must be spliced per detail.

See Special Provisions for following Material Specifications:

Cast Aluminum Alloy Bridge Post Alloy 344-T4.
Stainless Steel Machine Bolts, Washers, and Bars.
Fabric Bearing Pads

METHOD of MEASUREMENT: Aluminum handrail shall be measured in lineal feet. The length paid for shall be the over all length along the top longitudinal railing member thru all posts and gaps.

BASIS of PAYMENT: Aluminum handrail shall be paid for at the contract 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.

Cost of rail splice, end caps, and hardware to be incidental to item ALUMINUM HANDRAIL.

Provide 1 - ⅛" and 2 - 1/16" Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade — high spots shall be ground and low spots shimmed.

BILL of MATERIAL

Item	Unit	Quantity
ALUMINUM HANDRAIL	Lin. Ft.	1478

ALUMINUM HANDRAIL

F.A.I. RT. 57 SEC. 38-2HVB
IROQUOIS COUNTY
STA. 1037 + 61.38

DESIGNED	
CHECKED	
DRAWN Wm. M. Best	
CHECKED	

19
EXAMINED — CHAIRMAN OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

R-19 Dwn. 6-26-64 Rev. 8-26-64 9-2-64

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. 6 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	38-2HVB, HVBR-1	IROQUOIS	146	116
		CONTRACT NO. 66942		
	ILLINOIS	FED. AID PROJECT		

T:\Projects\09-228-1DOT-157 Bridges - PTB 153-37\Drawings\CADD Drawings\Structural\Final Plans\existing plans\038001 3-66942-006-EX_BRIDGE_PLANS.dgn