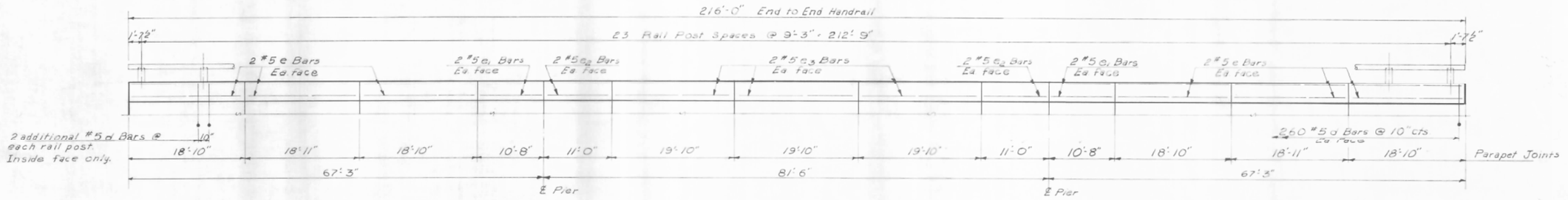
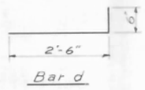
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

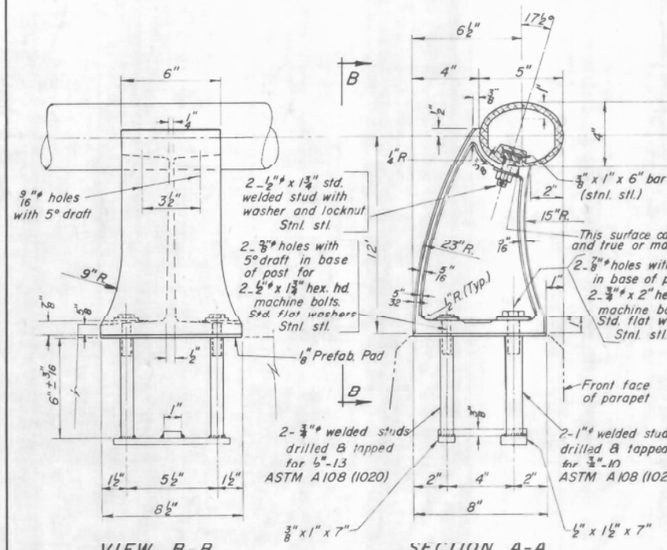
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	141,391 38-1B	Kankakee Iroquois	154	57
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

SHEET NO. 4
10 SHEETS



ELEVATION

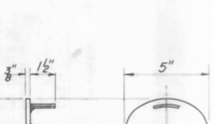




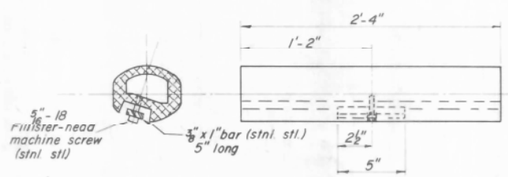
VIEW B-B

SECTION A-A

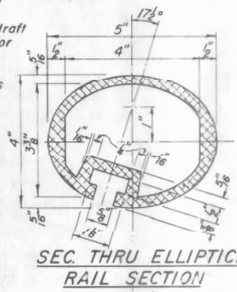
RAIL POST DETAILS



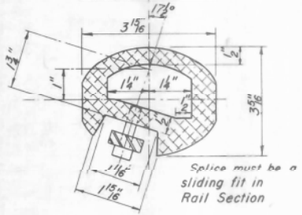
CAST END CAP
DRIVE FIT TYPE
4 Required



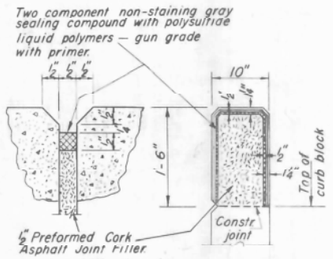
RAIL SPLICE



SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE



PARAPET JOINT 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 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:

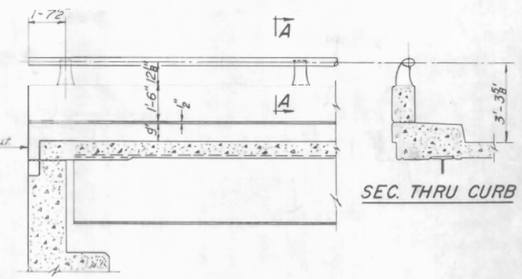
Cast Aluminum Alloy Bridge Post— Alloy 344-T4.
Stainless Steel Welded Stud Bolts, Washers, and Locknuts

For material composition of Prefabricated Pad, see Article 54.9(f), (Bearing and Anchorage), of the Standard Specifications.

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.



ELEVATION — END POST

SEC. THRU CURB

BILL OF MATERIAL

Item	Unit	Quantity
ALUMINUM HANDRAIL	Lin. Ft.	432

BAR LIST

Bar	No	Size	Length	Shape
d	1136	#5	3'-0"	⌊
e	48	#5	18'-7"	—
e1	16	#5	10'-6"	—
e2	16	#5	10'-9"	—
e3	24	#5	19'-7"	—

ALUMINUM HANDRAIL

ALUMINUM HANDRAIL
FAI. RT. 57 ~ SEC. 38-1B
IROQUOIS COUNTY
STA. 843 + 70 (2)

DESIGNED	Walter Perry
CHECKED	J. B. A.
DRAWN	Wm. M. Deal
CHECKED	J. B. A.

Dec. 13 1961

EXAMINED W. E. Bauman — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
APPROVED — CHIEF HIGHWAY ENGINEER

R-17 Dwn 5-28-64

Rev. 1-12-65 This sheet replaces the Metal Handrail Sheet which had 2.0 cu. yds. Cl. X Conc. 3/8" ϕ Reinf. Bars & 504 lbs. of Metal Handrail. W.L.P.

FOR INFORMATION ONLY

Wight

	DESIGNED	REVISED
	CHECKED	REVISED
	DRAWN	REVISED
PLOT DATE = 12/7/2012	CHECKED BJM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
STRUCTURE NO. 038-0216 (N.B.)
SHEET NO. 4 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	141 BR(SB) & 38-1 BR(NB)	IROQUOIS	138	80
		CONTRACT NO. 66944		
	ILLINOIS	FED. AID PROJECT		

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