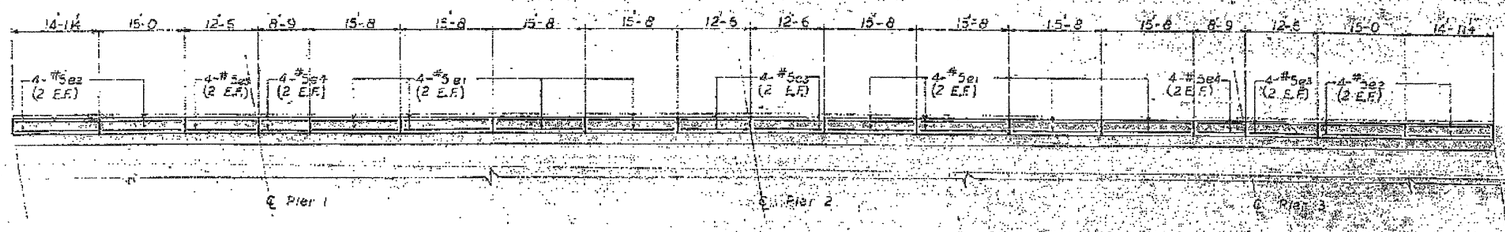
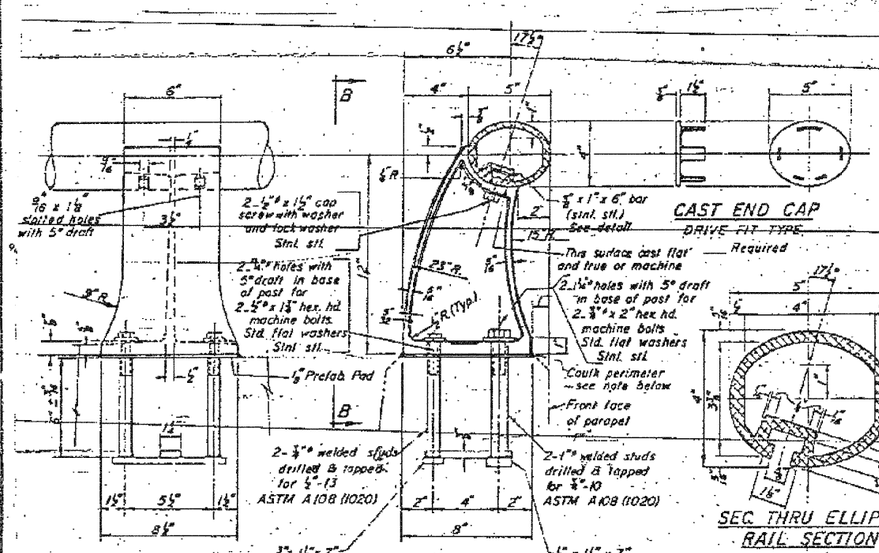
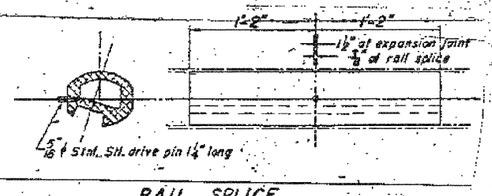


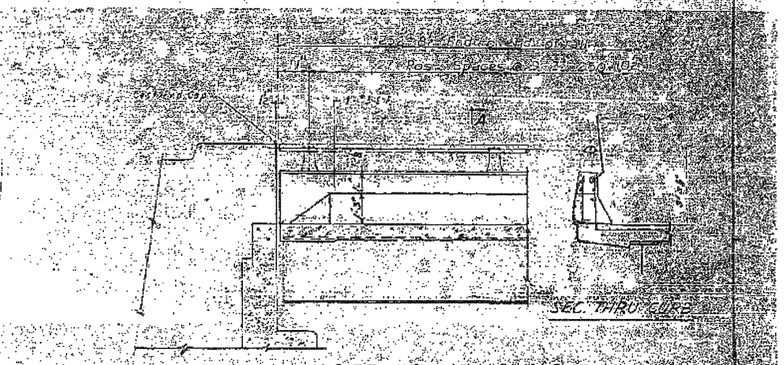
PLAN

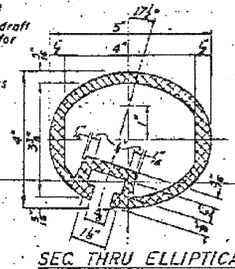
North Parapet as shown.
South Parapet same by 180° rotation.

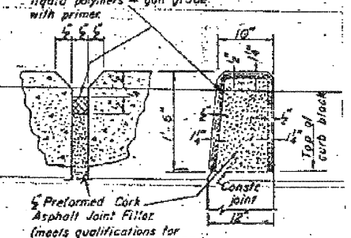
PARAPETS & RAILS BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
B1	4	#5	25'-0"	
B2	2	#5	25'-0"	
B3	2	#5	25'-0"	
B4	16	#5	8'-6"	
Class X Concrete			Cu. Yds.	22.8
Reinforcement Bars			Lbs.	2020
Aluminum Handrail			Lin. Ft.	300

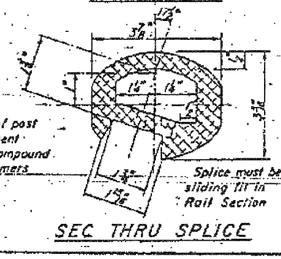


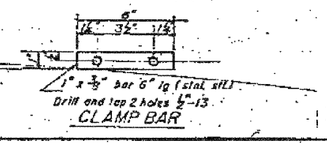












NOTES

All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall conform to ASTM Specification (B-221) alloy 6061-T6 and shall be supplied in modular lengths of 30 feet except at the end of bridge or over open joint in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less the modular lengths may be reduced but shall be attached to a minimum of 2 posts. All joints in rail shall be spliced per detail.

See Special Provisions for following Material Specifications:

Cast Aluminum Alloy Bridge Post — Alloy A344-T4.
Stainless Steel Hex. Cap Screws, Washers, and Lockwashers.
Fabric Bearing Pad.

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

FOR INFORMATION ONLY

ILLINOIS DIVISION OF HIGHWAYS
F.A.I. ROUTE 61
DUNDEE ROAD GRADE SEPARATION
ALUMINUM HANDRAIL & PARAPET REINFORCEMENT
DATE: AUGUST/1967
DRAWN BY L.E.B.
CHECKED BY J.P.

USER NAME = $USER$	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 68 (DUNDEE RD.) OVER IL ROUTE 53
EXISTING ALUMINUM BRIDGE RAIL DETAILS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	531-4HBK-BR-1	COOK	25	21A
		CONTRACT NO. 60L47		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		