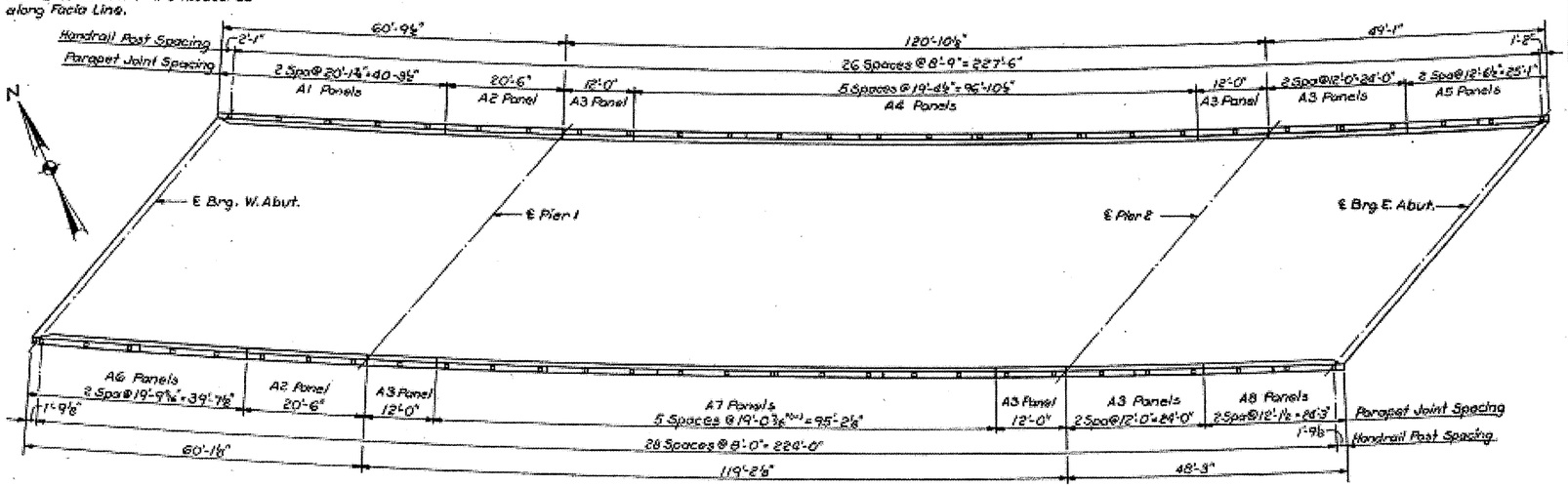
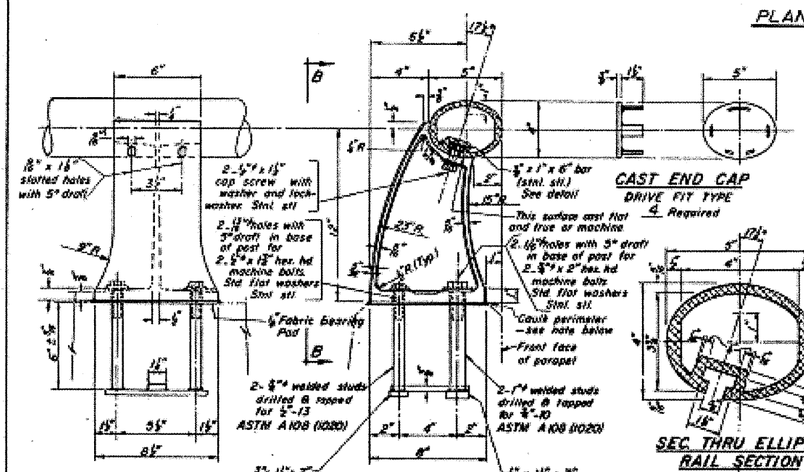
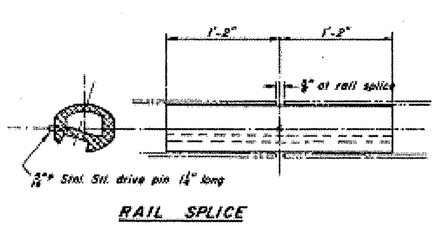
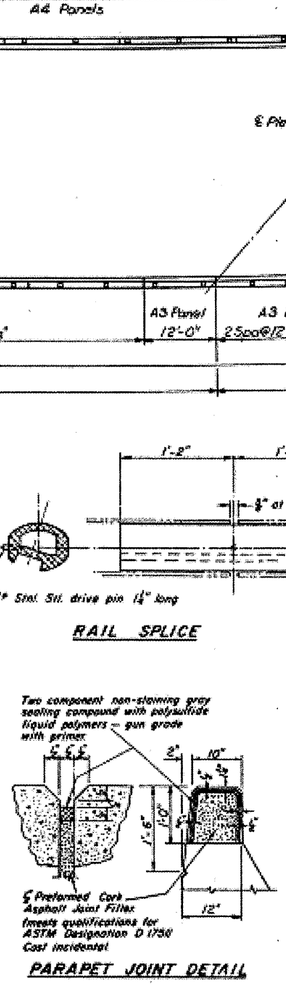
NOTE: Dimensions are measured along Facia Line.

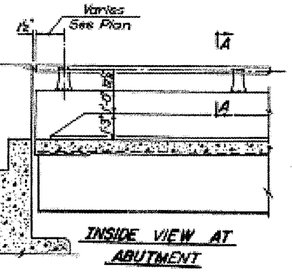


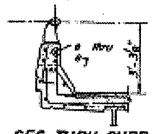
PLAN











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 joints 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 Bars, 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 — ¼" Aluminum Shims for 25 % of the Posts. Rail element shall be parallel to Grade — high spots shall be ground, and low spots shimmed.

APPROVED
FOR DIRECTOR, ECONOMY UNIT
DIVISION OF HIGHWAYS

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. — 180	06-2HB-4	BUREAU	105	13
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT		

BILL OF MATERIAL

*Bar	No.	Size	Length	Shape
5e	8	#5	19'-10"	——
5e1	8	#5	80'-2"	——
5e2	32	#5	11'-8"	——
5e3	20	#5	19'-1"	——
5e4	8	#5	12'-3"	——
5e5	8	#5	19'-6"	——
5e6	20	#5	18'-8"	——
5s1	8	#5	11'-10"	——

Item	Unit	Total
Reinforcement Bars	Lbs.	1870
Aluminum Handrail	Lin. Ft.	458

*See Note X on Sheet No. 4

LOCATION OF REINFORCEMENT

Panel	No. Panel	Bar	No. Bars*
A1	2	e	8
A2	2	e1	8
A3	8	e2	32
A4	5	e3	20
A5	2	e4	8
A6	2	e5	8
A7	5	e6	20
A8	2	e7	8

*2 bars E.F. for Each Panel

BRIDGE NO. 8

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS

PARAPET AND HANDRAIL

ROADWAY "F" OVER ROADWAY "G"

STATION 653+47.92

F. A. I. RT. 180 BUREAU COUNTY SECTION 06-2HB-4

H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET 5 OF 18

DESIGNED BY P.K.
DRAWN BY J.S.
CHECKED BY B.B.
APPROVED BY K.A.

FILE NAME =	USER NAME = woodshankrl	DESIGNED - RON WOODSHANK	REVISED -
c:\pw_work\PWIDOT\WOODSHANKRL\dms58937\D366876 - SN 006-0056-details.dgn	DRAWN - RON WOODSHANK	REVISED -	
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Sep 19, 2008 - 10:17:38 AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

SCALE: | SHEET NO. 4 OF 8 SHEETS | STA. 652+25.70 TO STA. 654+59.25

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2HB-4)BP	BUREAU	14	10
		CONTRACT NO. 66876		
FED. ROAD DIST. NO.	ILLINOIS			