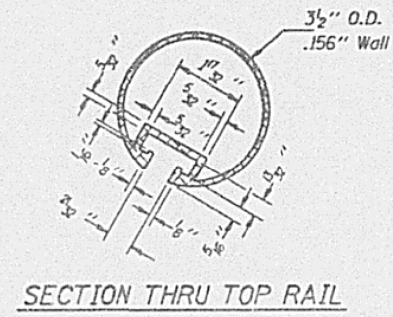
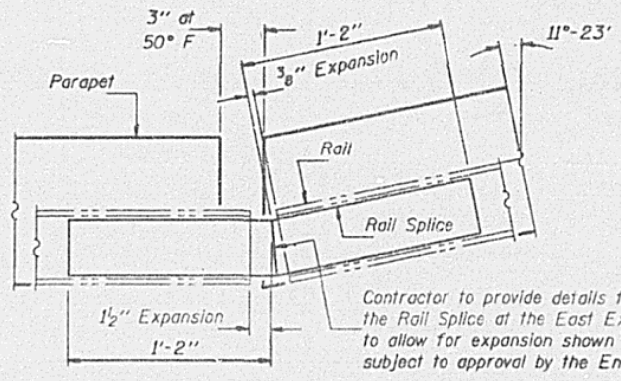


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

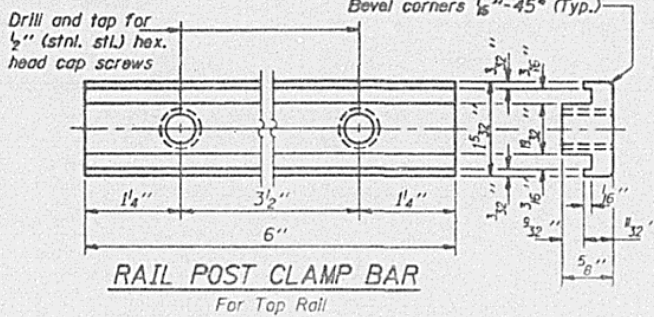
PROJECT NO.	SECTION	COUNTY	SHEET	NO.	SHEET NO. 14
F.A.P. 729	34Z-D BR	VERMILION	64	59	33 SHEETS
POLYMER BOND, INC. • ILLINOIS POLYMER PRODUCTS					



SECTION THRU TOP RAIL

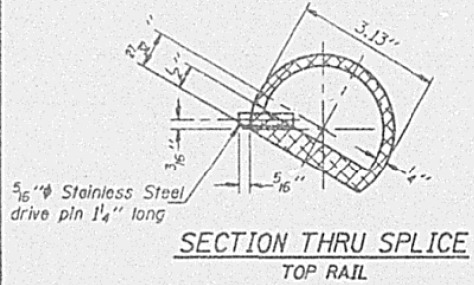


RAIL SPLICE DETAIL AT EAST EXPANSION JOINT

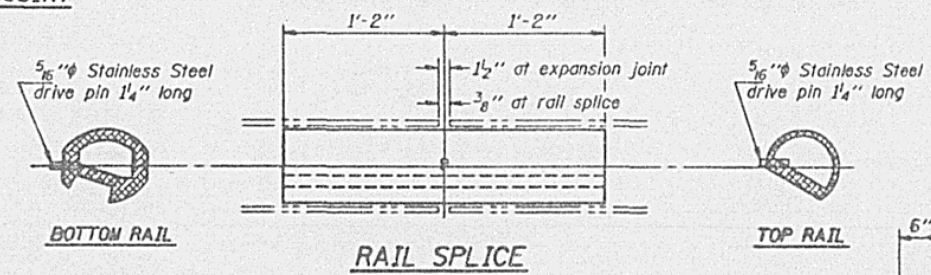


RAIL POST CLAMP BAR
For Top Rail

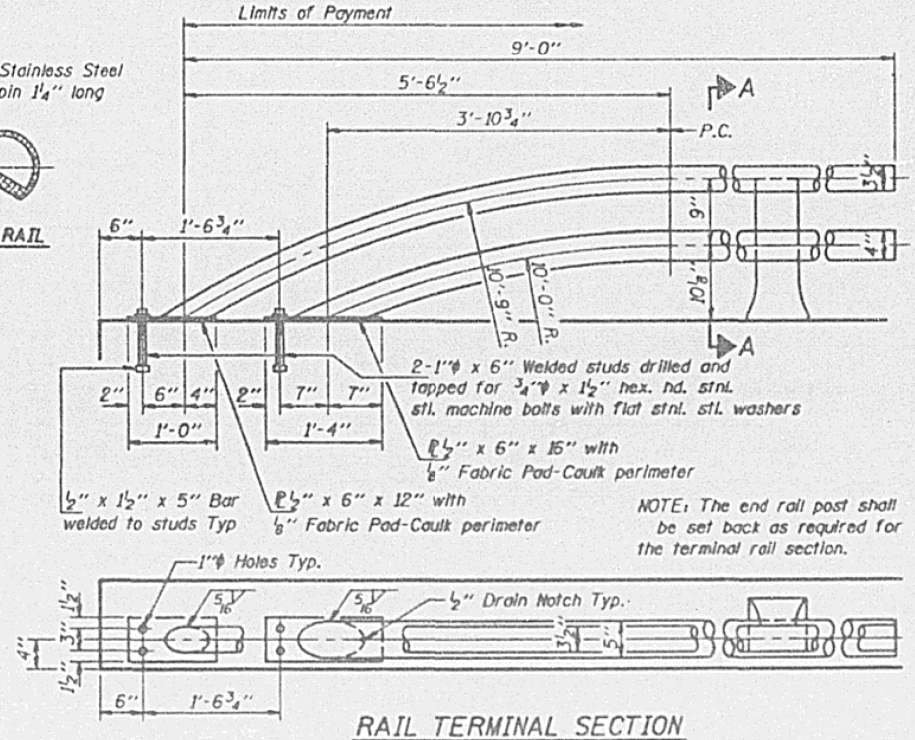
Notes: All Posts shall be normal to parapet.
All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius 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.
Provide 1-1/8" and 2-1/8" Aluminum Shims for 25% of the Posts.
Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per lineal foot for ALUMINUM RAILING, TYPE L.
Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.



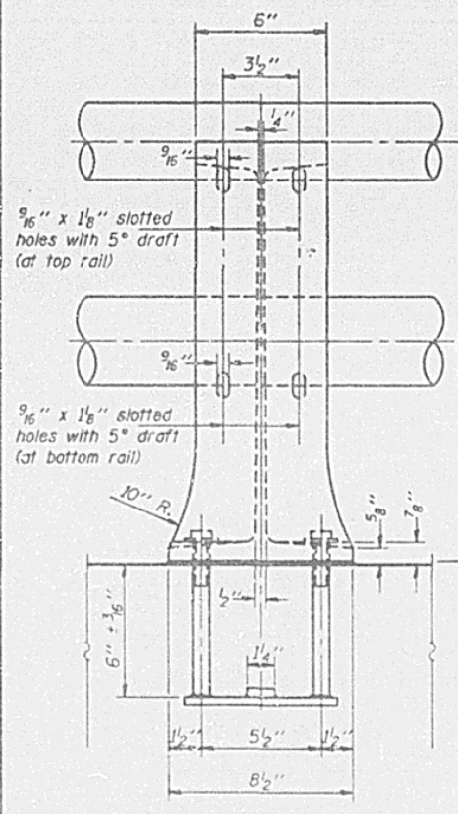
SECTION THRU SPLICE
TOP RAIL



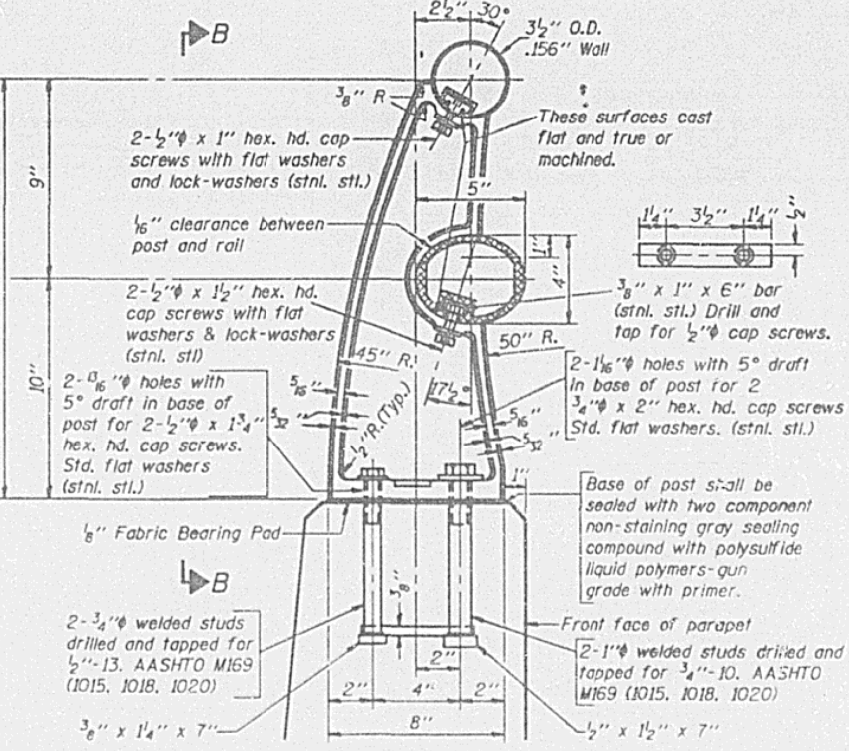
RAIL SPLICE



RAIL TERMINAL SECTION

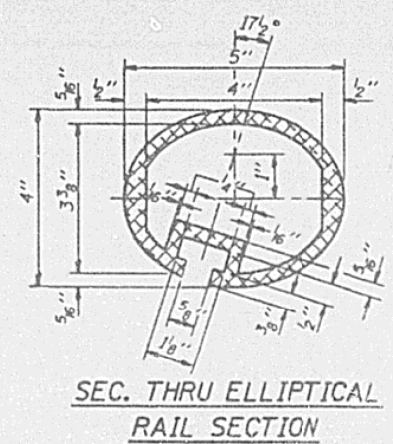


VIEW B-B

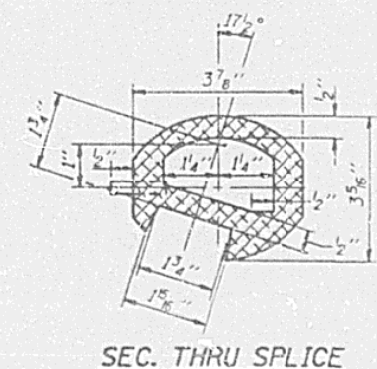


SECTION A-A

RAIL POST DETAILS



SEC. THRU ELLIPTICAL
RAIL SECTION



SEC. THRU SPLICE

DESIGNED *Steven Myerson*
CHECKED *H.A. Albrecht*
DRAWN *John F. Schneller Jr.*
CHECKED *SPM*

EXAMINED *Raj D. Khar*
DESIGNER OF BRIDGE DESIGN
PREPARED *Ralph E. Walker*
ENGINEER OF BRIDGES AND STRUCTURES
APPROVED _____
DIRECTOR OF HIGHWAYS

Feb 18 1973

R-20 12-31-87

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Lin. Ft.	1058

TYPE L
ALUMINUM RAILING
F.A.P. RT. 729 SEC. (34Z-1)BR
VERMILION COUNTY
STA. 616+30.50