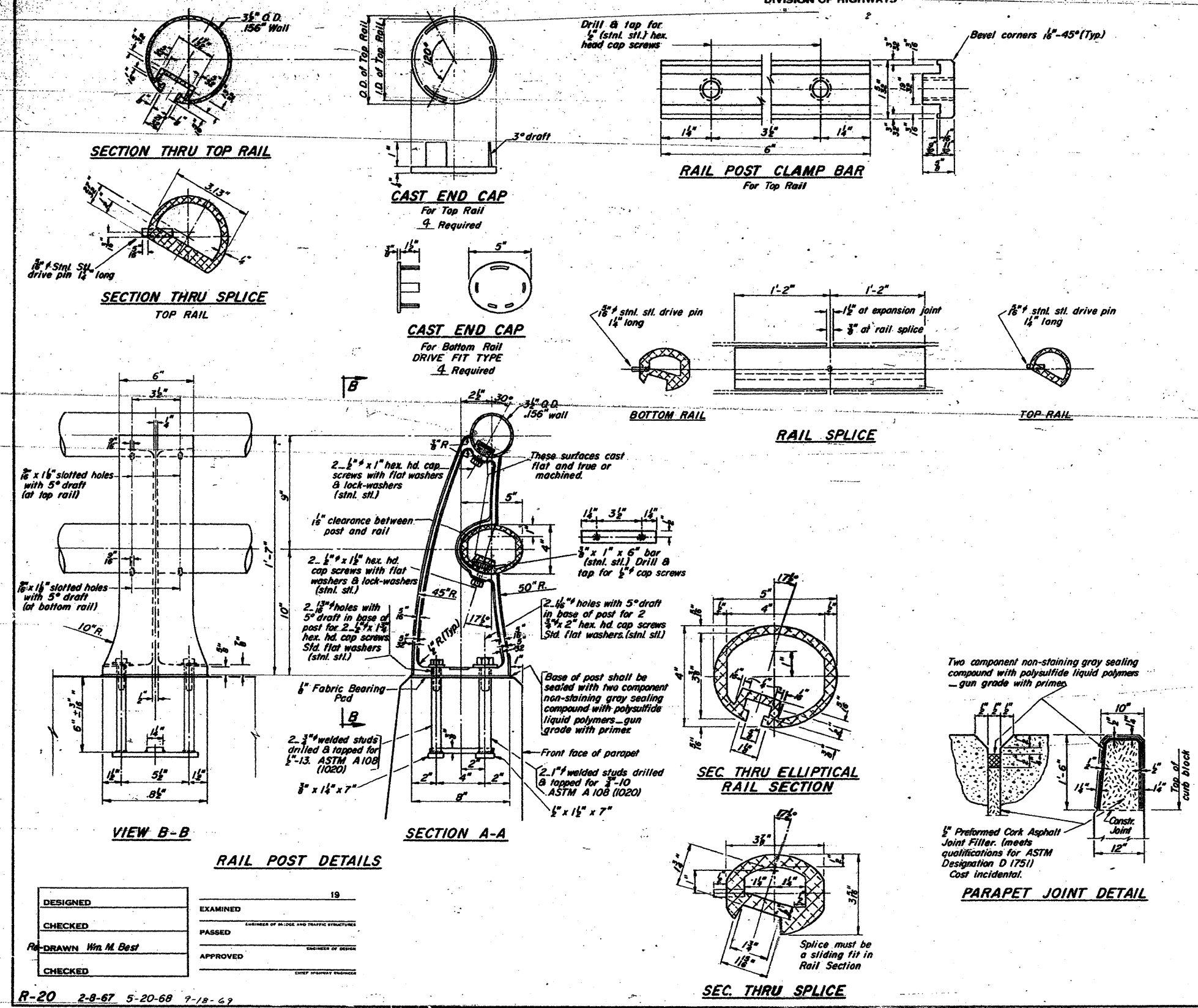


FOR INFORMATION ONLY

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

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
82-1HB-1	ST. CLAIR	42	21A	11 SHEETS
SHEET NO. 5A				



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- 1/16" Aluminum Shimms for 25% of the Posts. Rail elements shall be parallel to Grade—high spots shall be ground and low spots shimmed.
Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall 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.
For post and joint spacing see sheet 5 of 11.

BILL of MATERIALS

Item	Unit	Quantity
ALUMINUM RAILING, TYPE L	Lin. Ft.	446

TYPE L ALUMINUM RAILING

F.A.I. ROUTE G4~SEC. 82-1HB-1
ST. CLAIR COUNTY
STA. 75+85.50

RAIL POST DETAILS

DESIGNED	19
CHECKED	
APPROVED	

DESIGNED BY: Wm. M. Best
EXAMINED BY: ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED BY: ENGINEER OF BRIDGE
APPROVED BY: CHIEF HIGHWAY ENGINEER

R-20 2-8-67 5-20-68 7-18-69