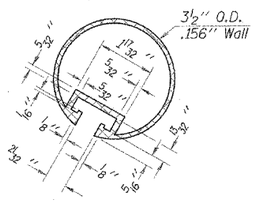
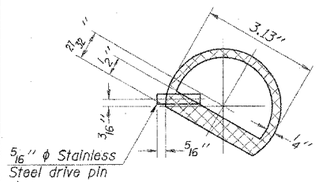
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	122VBR-1	ST. CLAIR	58	54
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

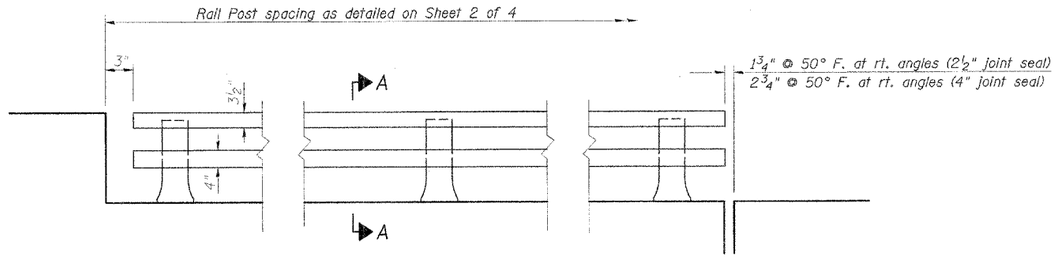
Contract #76558 SHEET 3 OF 4



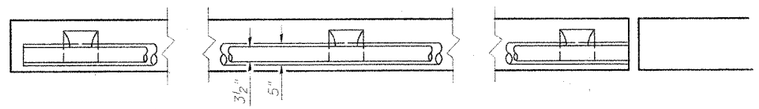
SECTION THRU TOP RAIL



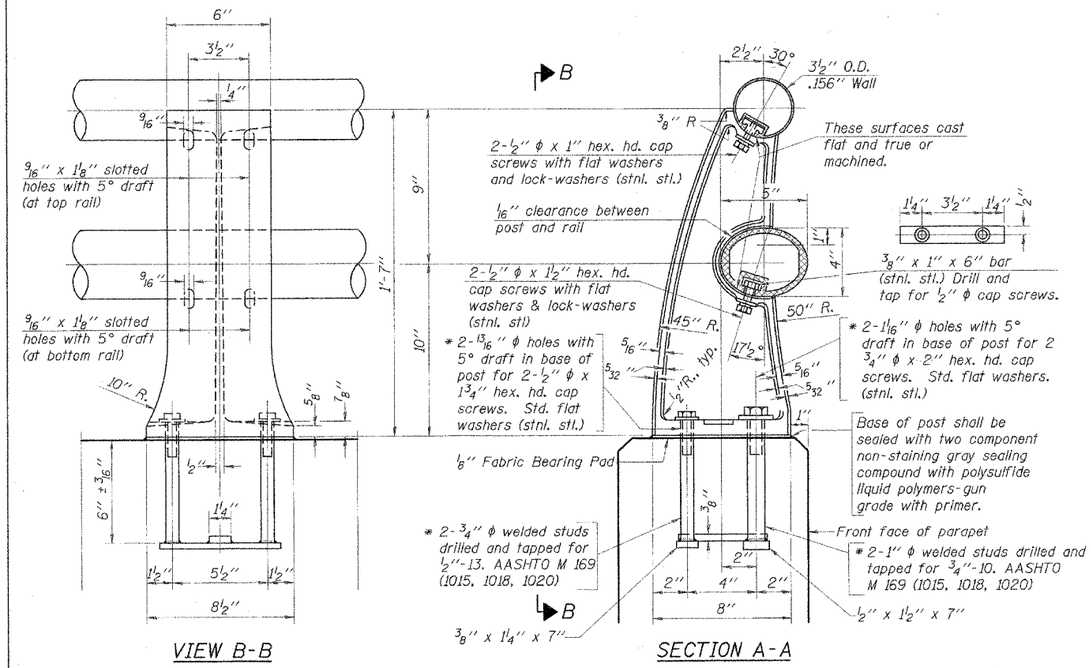
SECTION THRU SPLICE
For Top Rail



ELEVATION



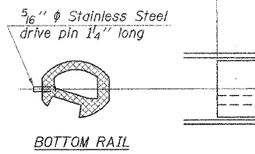
PLAN



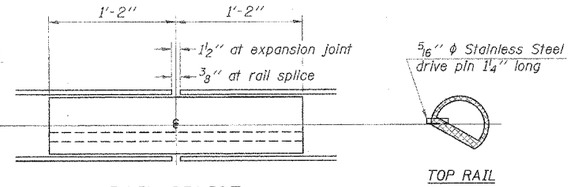
VIEW B-B

SECTION A-A

RAIL POST DETAILS

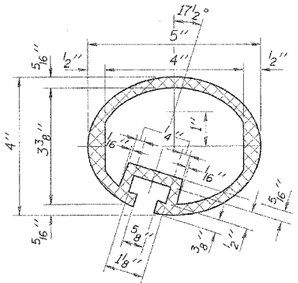


BOTTOM RAIL

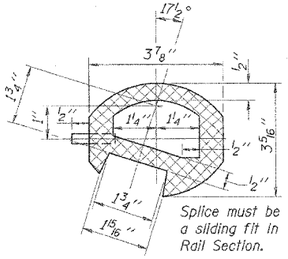


RAIL SPLICE

TOP RAIL

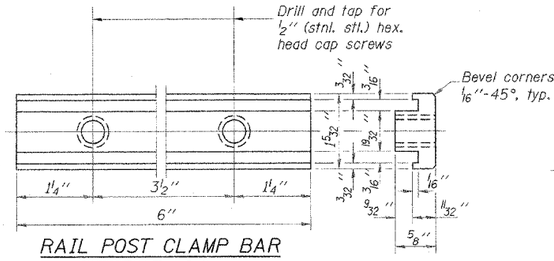


SEC. THRU ELLIPTICAL RAIL SECTION



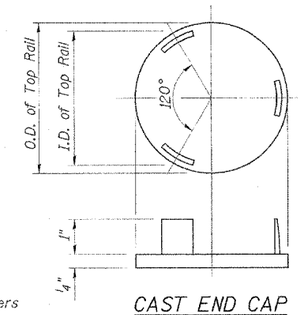
Splice must be a sliding fit in Rail Section.

SEC. THRU SPLICE

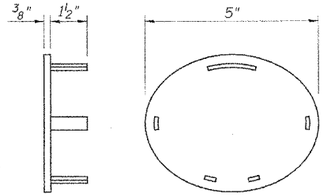


RAIL POST CLAMP BAR
For Top Rail

Notes:
All Posts shall be normal to parapet.
All joints in rail shall be spliced per detail.
Provide 1-½" and 2-1/16" Aluminum Shims for all Posts.
Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be included in the cost of Bridge Approach Pavement (Special)
Aluminum alloy rail shall conform to ASTM B 221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.



CAST END CAP
For Top Rail
(8 Required)



CAST END CAP
For Bottom Rail
DRIVE FIT TYPE
(8 Required)

* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting stainless steel anchor rods of the same diameter and grade as the specified cap screws. Embedment shall be according to the manufacturer's specifications.

REVISIONS	
NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE APPROACH PAVEMENT (SPECIAL)
TYPE L RAILING DETAILS
F.A.P. ROUTE 805
SECTION 122VBR-1
ST. CLAIR COUNTY
ILLINOIS ROUTE 161 OVER METRO-LINK
SCALE: NONE DRAWN BY: GLD
DATE: 7/03/06 CHECKED BY: GBR

L:\IDOT\040660\WorkOrder-5\DRAWINGS\sheets\REVISED DON'S STAGING CHANGE\TYPE L RAILIGN 7/3/2006