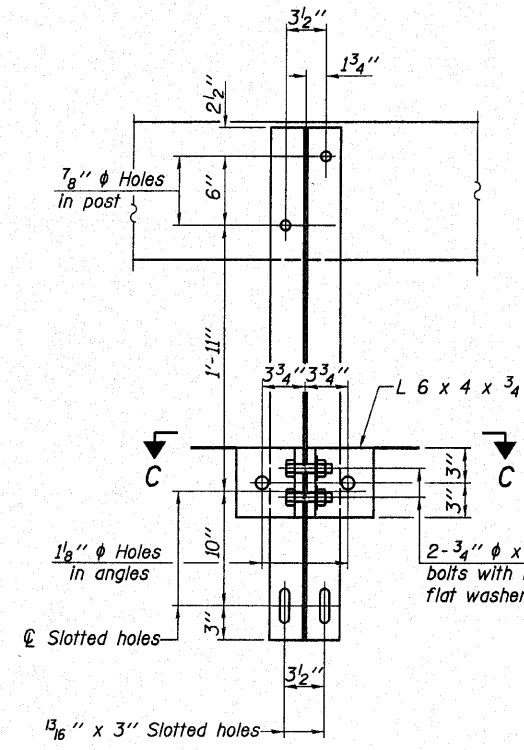
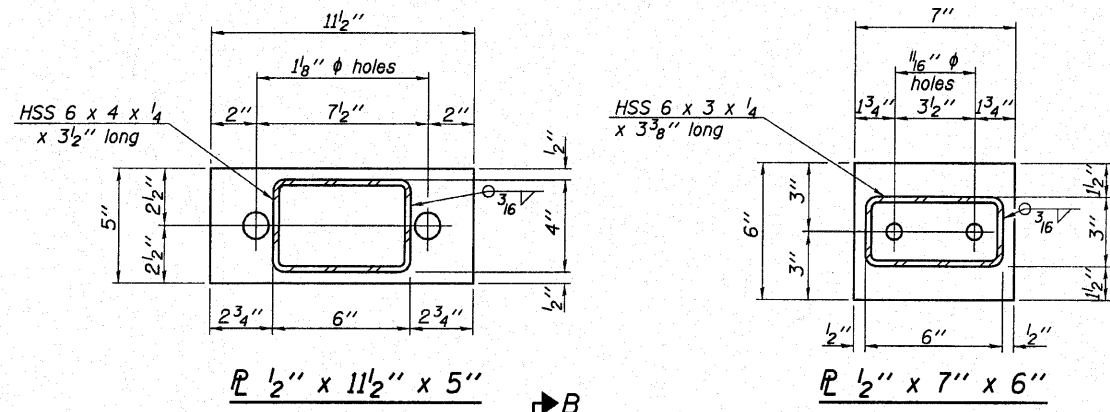
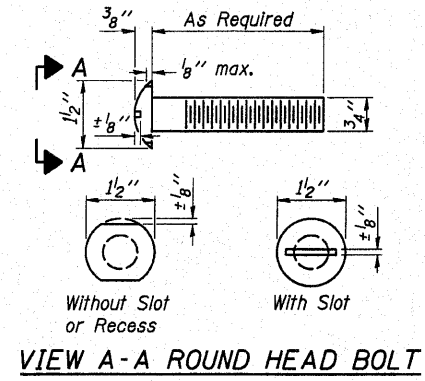
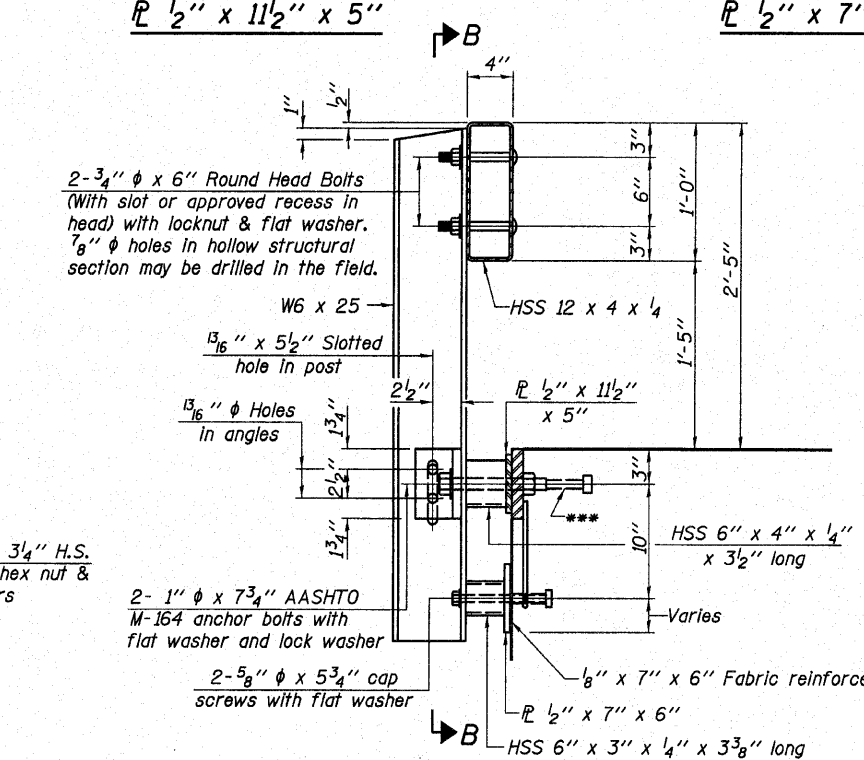


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 119	07-1719-00-BR	MARION	14	11
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

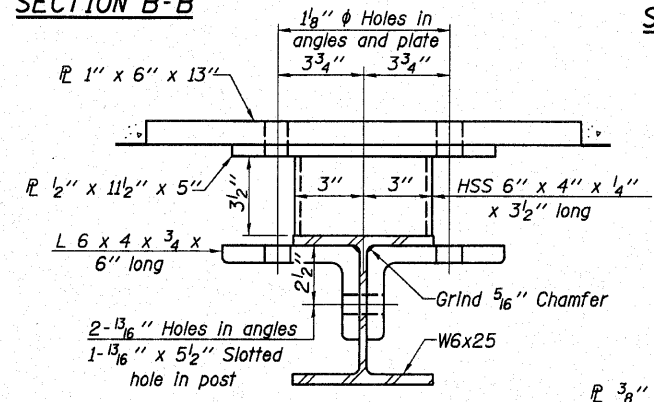
CONTRACT NO. 97452



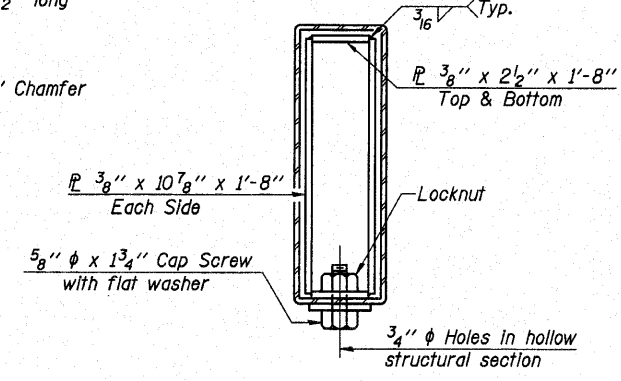
SECTION B-B



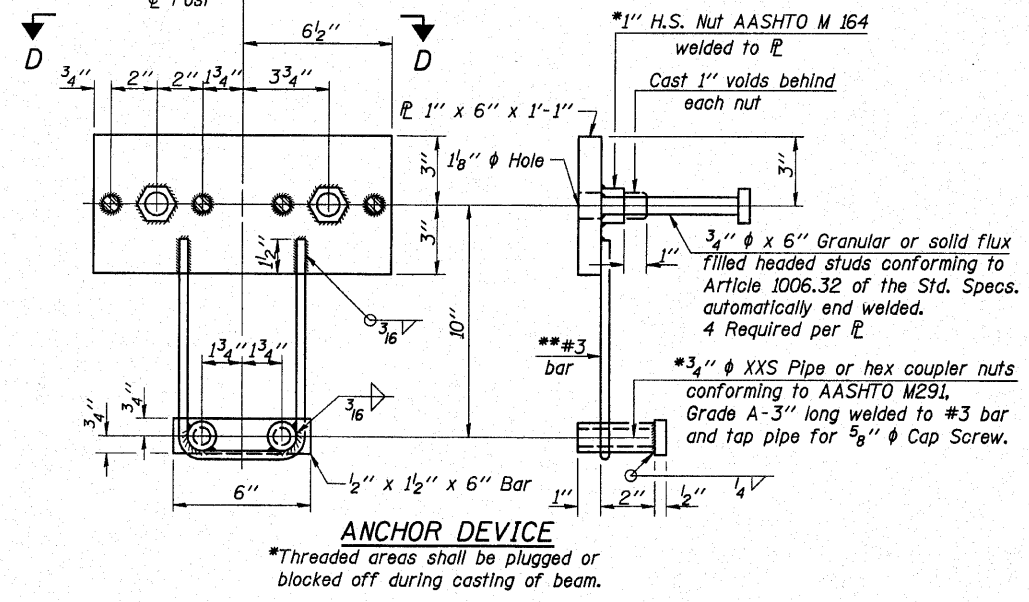
SECTION AT RAILING POST



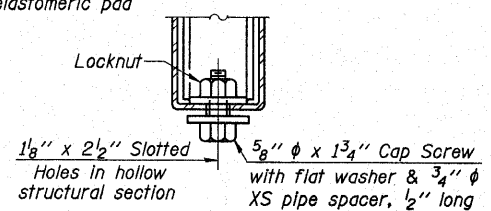
SECTION C-C



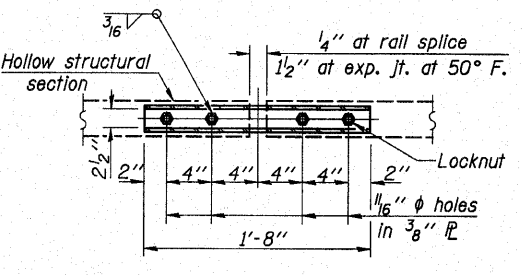
SECTIONS AT RAIL SPLICE



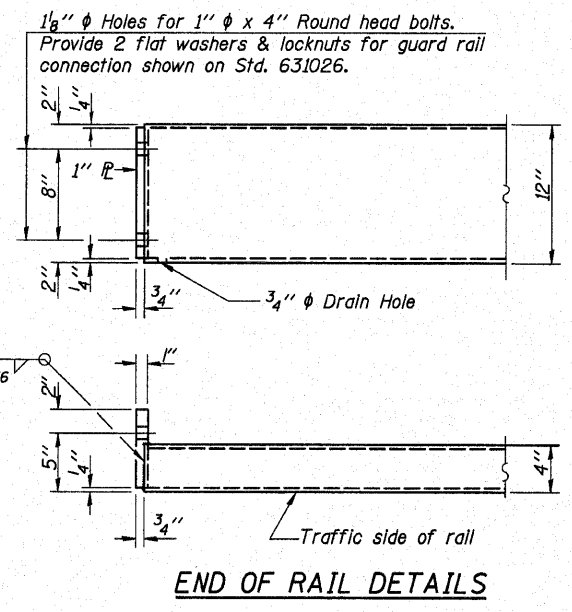
ANCHOR DEVICE



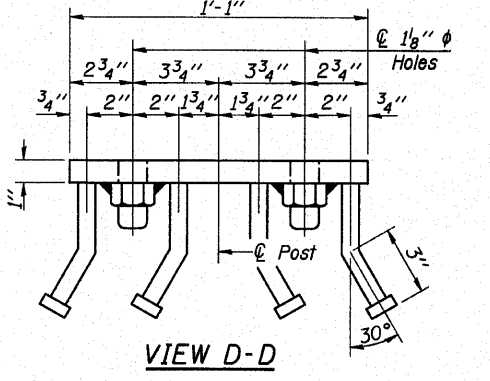
RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTTOM SPLICE R TYPICAL



END OF RAIL DETAILS



VIEW D-D

Notes:  
 All field drilled holes shall be coated with an approved zinc rich paint before erection.  
 For multi-span bridges, sufficient 1/4 inch x 6 inch x 1-2 inch galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.  
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.  
 \*\*\* The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.  
 The maximum allowable rail post spacing shall be 10'-9". The rail post spacing shown elsewhere in the plans is based on the allowable spacing for another type of rail. When this type of rail is used, the number of posts may be decreased and the post spacing increased to provide equal post spaces of 10'-9" or less.  
 See Special Provisions for curled end section.

See sheet 5 Steel Railing Quantities.

(10'-9" Maximum Post Spacing)

**RHUTASEL and ASSOCIATES, INC.**  
 CONSULTING ENGINEERS • LAND SURVEYORS  
 CENTRALIA, ILLINOIS      FREEBURG, ILLINOIS

PREPARED FOR:  
**AECOM**  
 200705604

Date: 10/28/2010  
 Design: MRQ  
 Drawn: BLT  
 Job No.: 50910

**STEEL RAILING  
 TYPE S1**