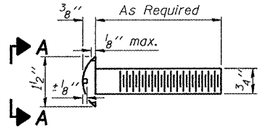
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

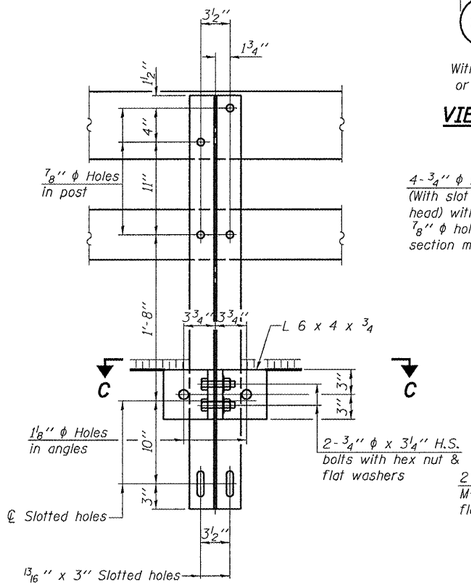
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 97		SANGAMON	29	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 4
8 SHEETS

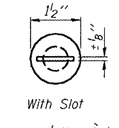
Contract Number: 72B70

DETAIL OF $\frac{3}{4}$" ϕ ROUND HEAD BOLT

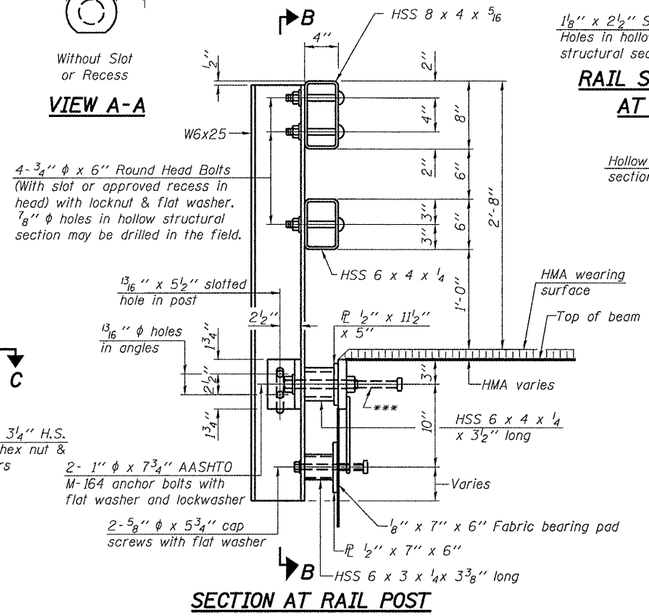




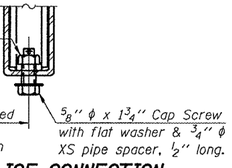
SECTION B-B



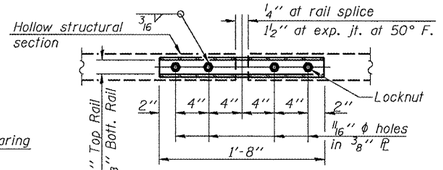
VIEW A-A



SECTION AT RAIL POST

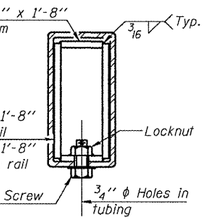


RAIL SPLICE CONNECTION AT EXPANSION JT.

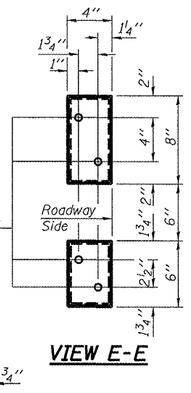


PLAN-BOTT. SPLICE PL TYPICAL

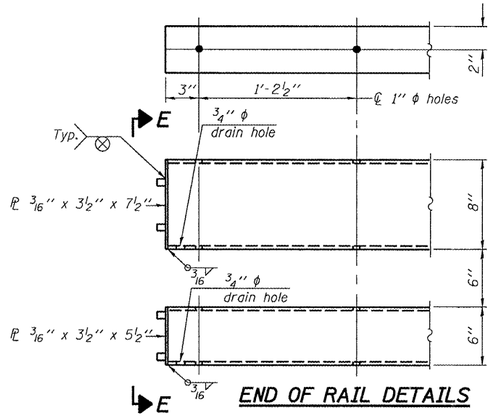
℄ - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032



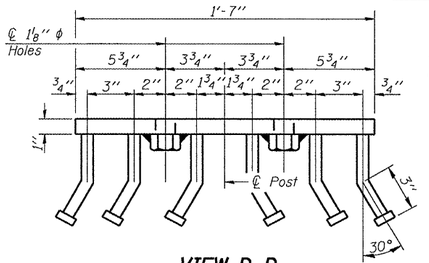
SECTION AT RAIL SPLICE



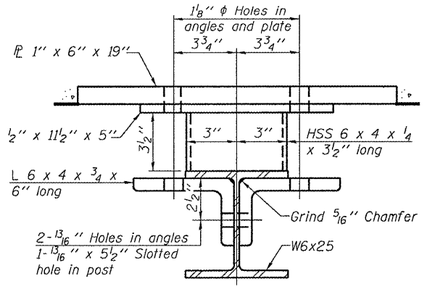
VIEW E-E



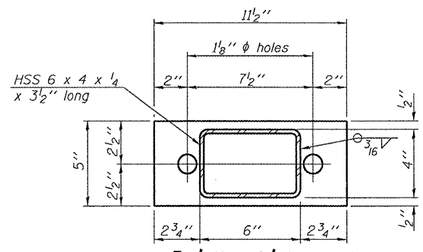
END OF RAIL DETAILS

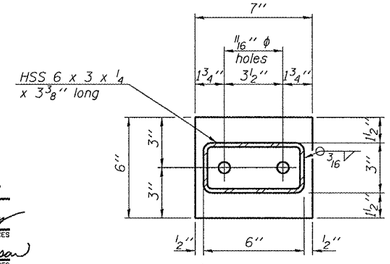


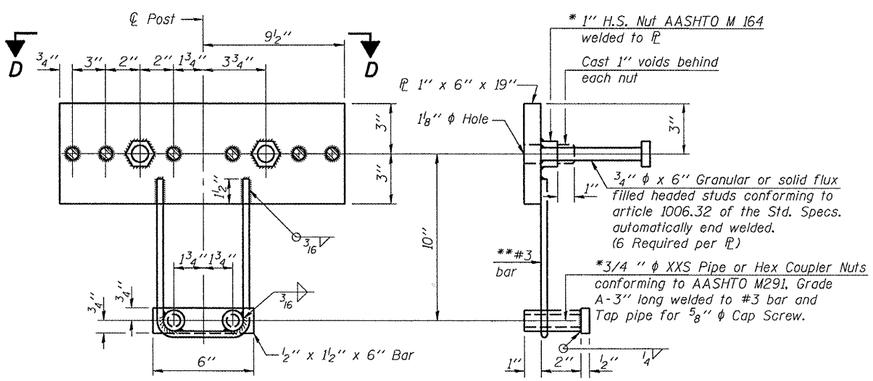
VIEW D-D



SECTION C-C







ANCHOR DEVICE

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

**Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

Notes:

All field drilled holes shall be coated with an approved zinc rich paint before erection.

For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.

All steel rail members 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.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	121

DESIGNED	VHV
CHECKED	ATH
DRAWN	baliva
CHECKED	VHV ATH

APRIL 30, 2008
EXAMINED — ENGINEER OF STRUCTURAL SERVICES
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

R-34HMAWS 9-3-07

(6'-3" Maximum Post Spacing) (1 1/4" minimum to 3 3/8" maximum HMA thickness)

RAILING DETAILS
IL. 97 OVER PRAIRIE CREEK
SANGAMON COUNTY
SN 084-0046