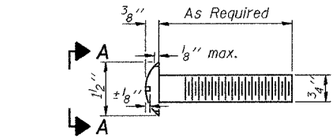
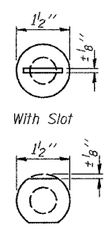
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 332	101B-1	WABASH	34	25
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 8
11 SHEETS

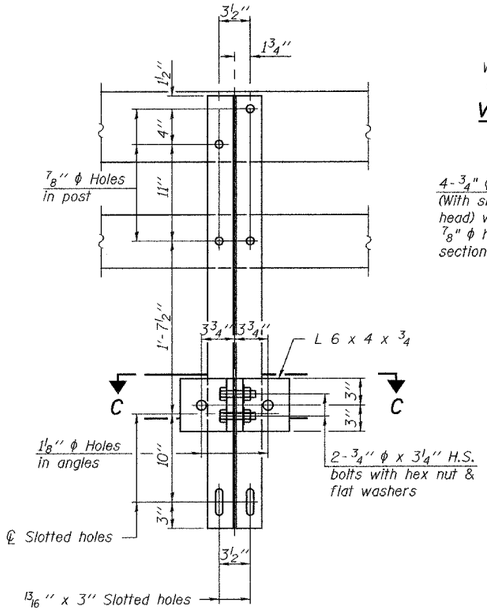
Contract # 74003



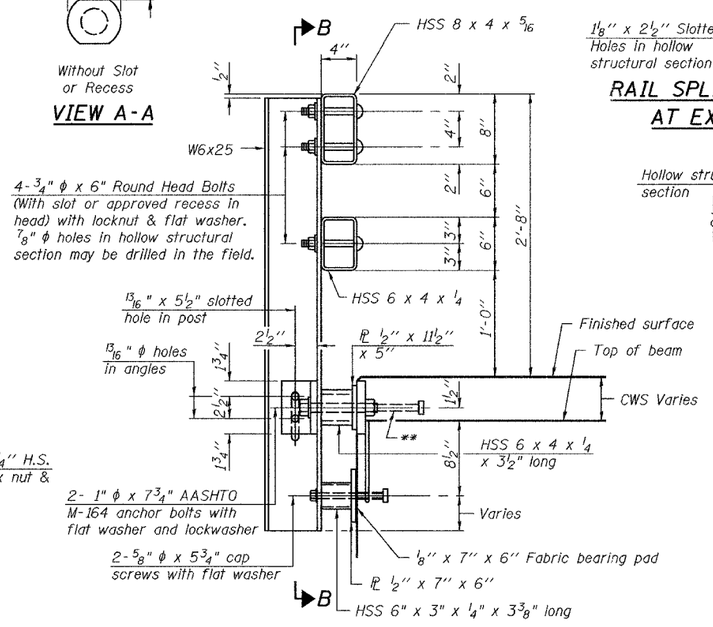
DETAIL OF 3/4" ϕ ROUND HEAD BOLT



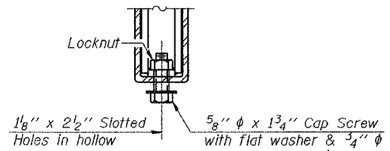
VIEW A-A



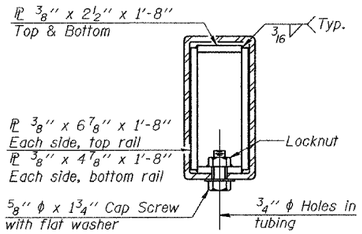
SECTION B-B



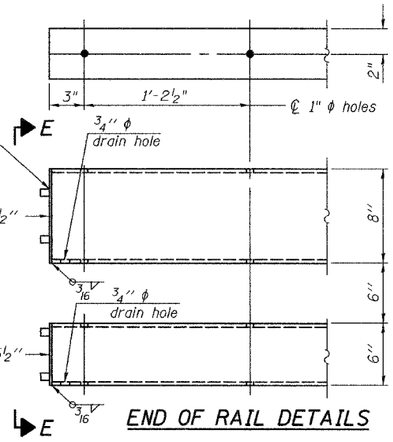
SECTION AT RAIL POST



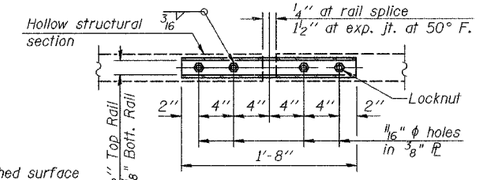
RAIL SPLICE CONNECTION AT EXPANSION JT.



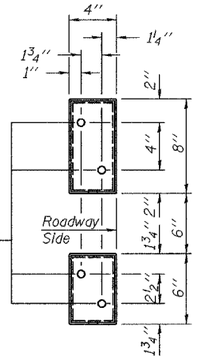
SECTION AT RAIL SPLICE



END OF RAIL DETAILS

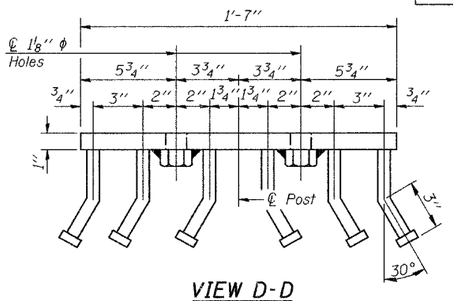


PLAN-BOTT. SPLICE PL TYPICAL

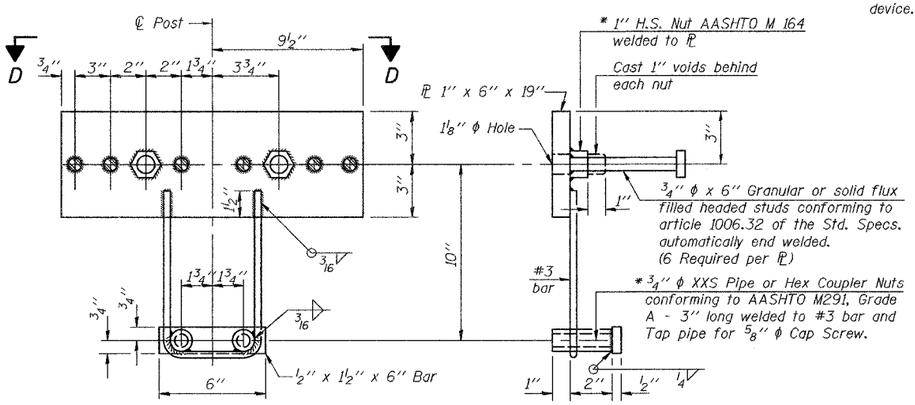


VIEW E-E

℄ - 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

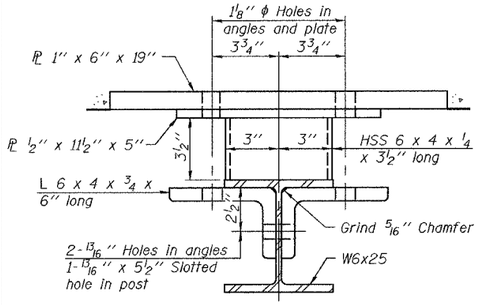


VIEW D-D

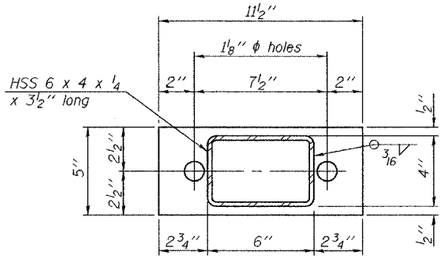


ANCHOR DEVICE

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



SECTION C-C



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.

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.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	332

(6'-3" Maximum Post Spacing) (5" minimum to 7 1/8" maximum CWS thickness)

R-34CWS 11-1-06

PLOT DATE = 03/15/2007
FILE NAME = ...8093-0005-sht-8-R-34-type-SM.dgn
PLOT SCALE = 10.0000 '= / IN.
USER NAME = TFG

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE
STEEL RAILING, TYPE SM
WITH CONCRETE WEARING SURFACE

PROJECT
FAP 332 OVER BONPAS CREEK
FAP ROUTE 332 (IL 1) SECTION 101B-1
WABASH COUNTY
STATION 149+30
SN 093-0005

PROJECT NO. 06026
SCALE
DATE 03/15/07
DRAWN BY TFG
CHECKED BY BG/CME/MCB
DRAWING NO. 8
OF 11 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703