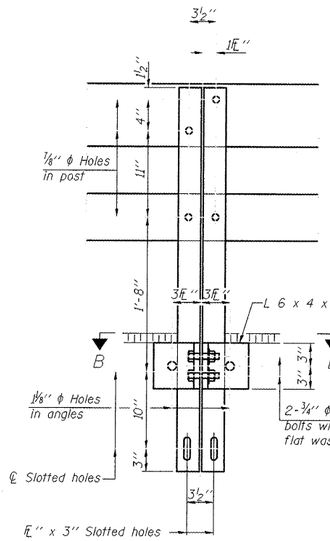
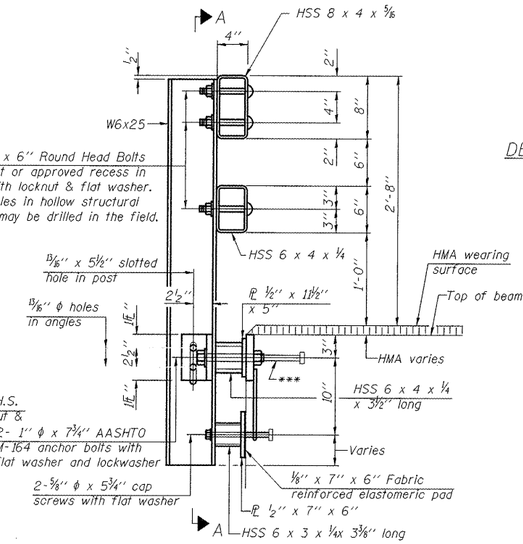
FAS ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
178	*	LEE	14	12

ILLINOIS PROJECT BRS-0178(105)

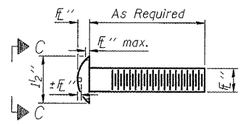
* 11-00317-00-BR
CONTRACT NO. 85560



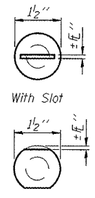
SECTION A-A



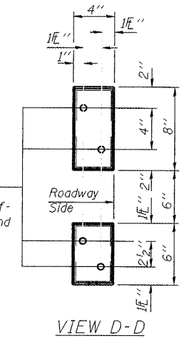
SECTION AT RAIL POST



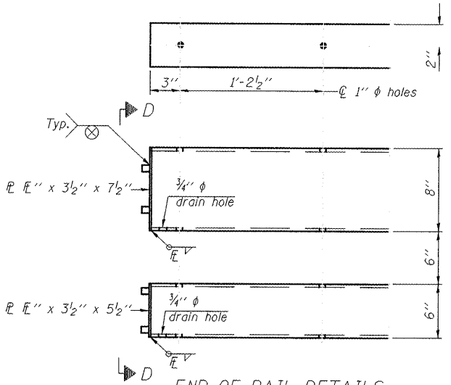
DETAIL OF E" ϕ ROUND HEAD BOLT



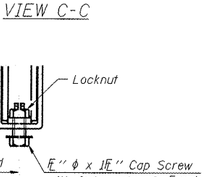
VIEW C-C



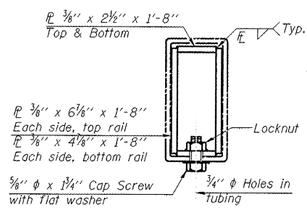
VIEW D-D



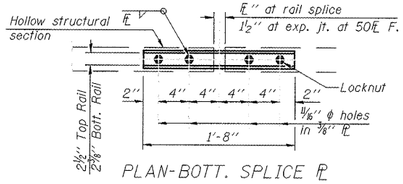
END OF RAIL DETAILS



RAIL SPLICE CONNECTION AT EXPANSION JT.

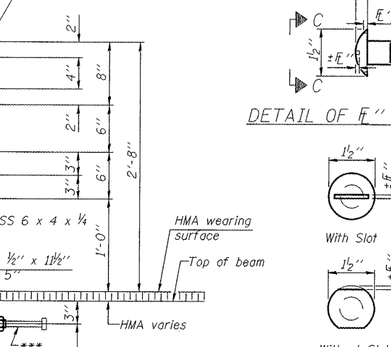


SECTION AT RAIL SPLICE



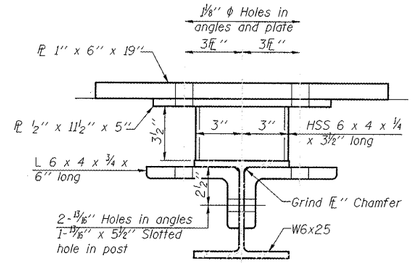
PLAN-BOTT. SPLICE E" TYPICAL

SECTION B-B

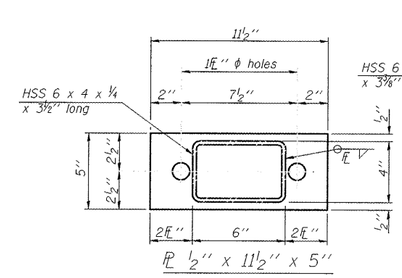


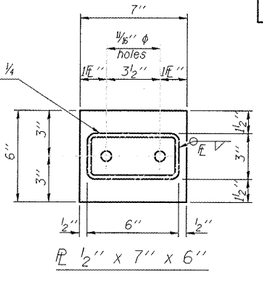
ANCHOR DEVICE

VIEW E-E



SECTION B-B





R-34HMAWS 7-1-10 (6'-3" Maximum Post Spacing) (1E" minimum to 3E" maximum HMA thickness)

*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 ½".

Notes:

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

For multi-span bridges, sufficient ¼" 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	84

S.N. 052-3513
TYPE SM RAIL DETAILS
SECTION 11-00317-00-BR
LEE COUNTY

SCALE: 1"=

REVISIONS

REVISION	DATE

DESIGNED BY: RLR
DRAWN BY:
DRAWING NAME: SM-Rail
SURVEYED BY:
BOOK NO.:

wendler
GROUNDBREAKING SOLUTIONS
engineers ·surveyors ·scientists
www.wendlerengs.com ph: 815.288.2281
Illinois Professional Design Firm No. 184-003348

TYPE SM RAIL DETAILS
OF
PAW PAW ROAD BRIDGE
FOR
LEE COUNTY HIGHWAY DEPARTMENT

SHEET TITLE
RAIL

JOB NUMBER 2110221

DATE 03/23/2012

SHEET NO.
12 of 14

I:\2011Jobs\11029\12DWG\SM Rail.dwg, 3/26/2012 9:41:43 AM, bwh