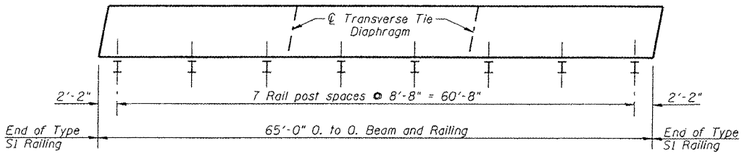
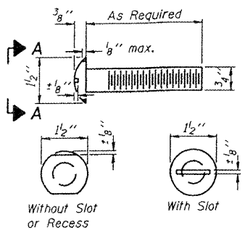
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 251	08-04126-00-BR	KNOX	7	16
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

Contract 89544

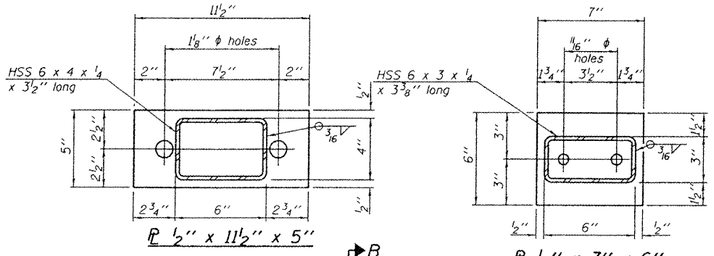
Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient $\frac{1}{4}$" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements 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.

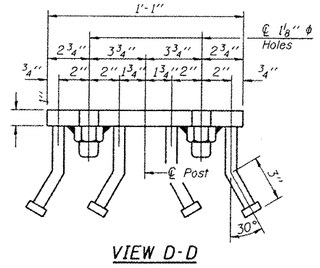


PLAN VIEW - EXTERIOR BEAM
(Showing Rail Post Spacing)

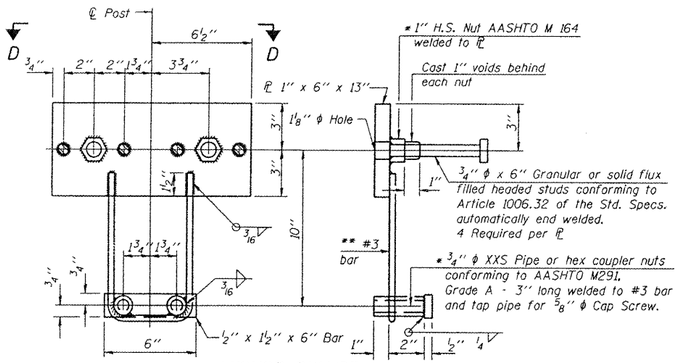


VIEW A-A
ROUND HEAD BOLT

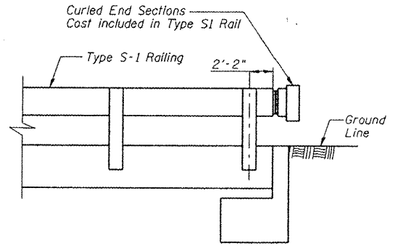


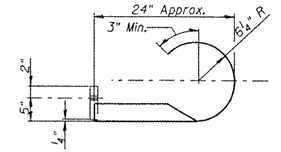


VIEW D-D



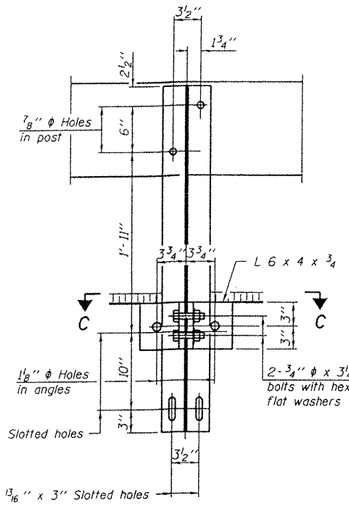
ANCHOR DEVICE
* Threaded areas shall be plugged or blocked off during casting of beam.



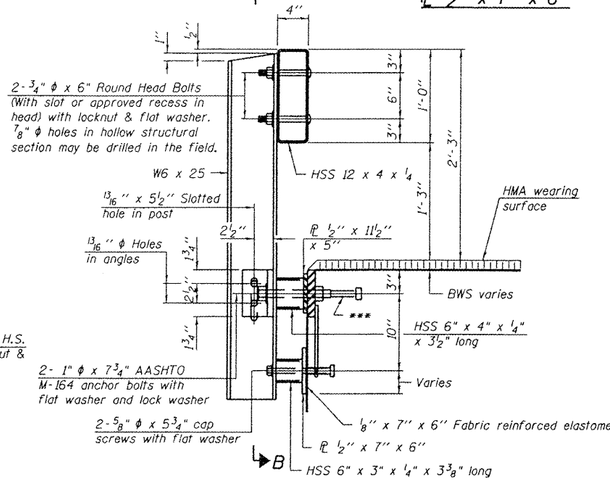


SECTION D-D

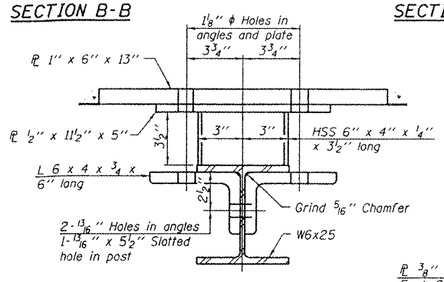
CURLED END SECTION DETAILS
(4 Required)



SECTION B-B

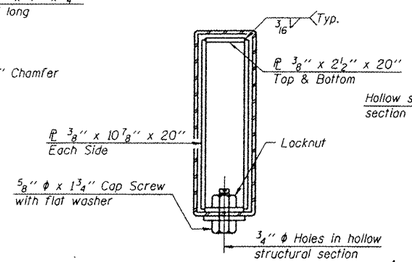


SECTION AT RAILING POST

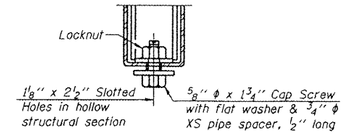


SECTION C-C

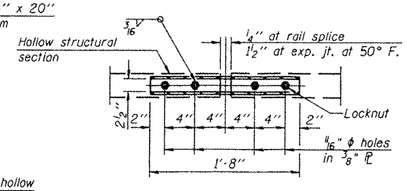
** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed $\frac{1}{2}$".



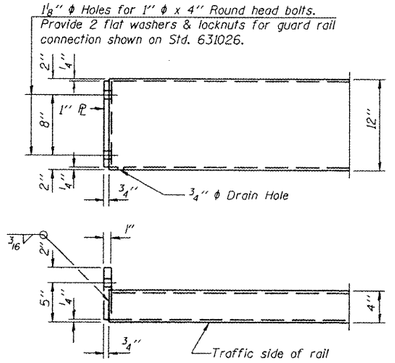
SECTIONS AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTT. SPLICE ℄ TYPICAL



END OF RAIL DETAILS

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	130

STEEL RAILING, TYPE S-1
STRUCTURE NO. 048-3396

STEEL RAILING

Date	Designed MJP	T.R. 251 OVER SWAB RUN CREEK SECTION 08-04126-00-BR KNOX COUNTY STA. 10+00.00 PROP. STR. NO. 048-3396	Sheet No. 4 of 7
Revisions	Drawn BKN		
	Checked MJP		
	Approved KWB		
Prepared by: URS	345 East Ash Avenue Decatur, Il. 62526		URS Job No. 36432412

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