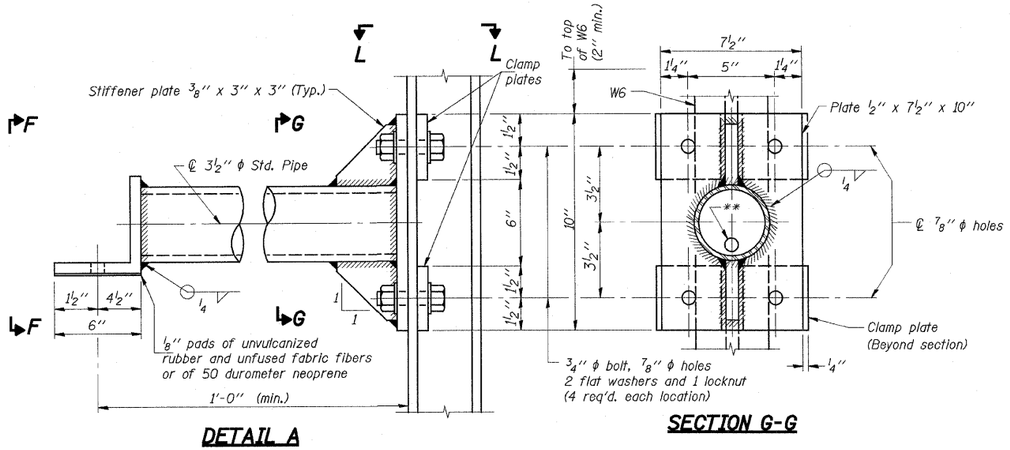
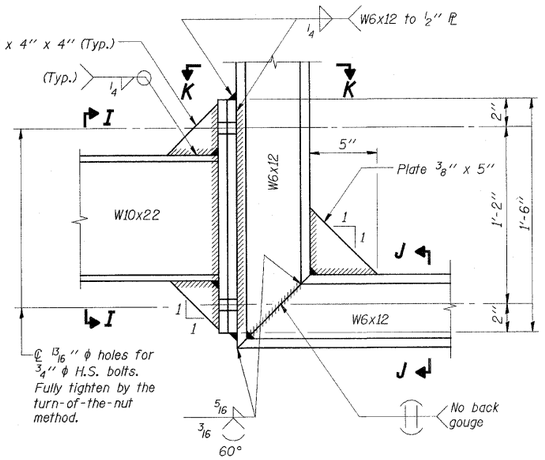
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	1414B	COOK	74	15
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60384



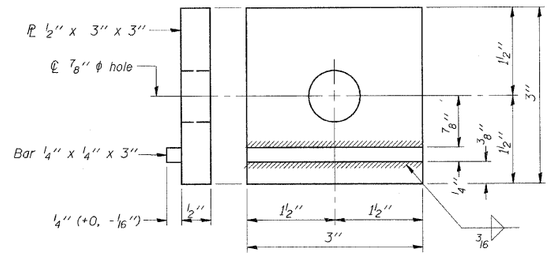
DETAIL A

SECTION G-G

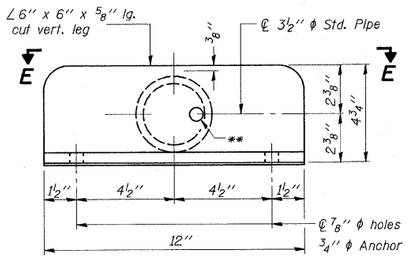


DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

Alternate may be substituted by contractor to facilitate construction or galvanizing, especially on long struts for skewed bridges.



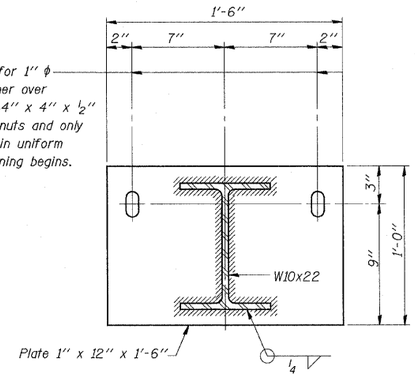
CLAMP PLATE DETAILS



VIEW F-F

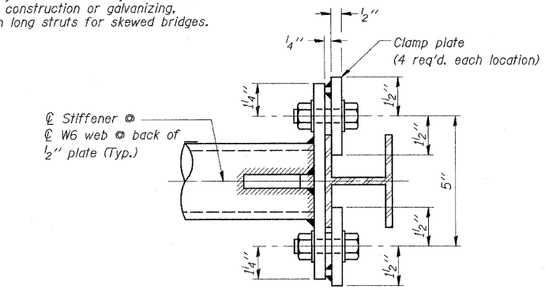
***13/16" ϕ holes for galvanizing. After galvanizing, install 7/8" ϕ A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in ½" plate.)*

℄ 1⅛" x 2" slotted holes in plate for 1" ϕ H.S. bolts with hardened plate washer over slot, and standard flat washer and 4" x 4" x ½" plate washer on far end. Use locknuts and only snug-tighten bolts, insuring pad is in uniform contact with concrete before tightening begins.

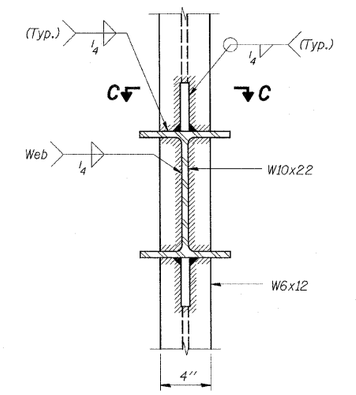


SECTION D-D

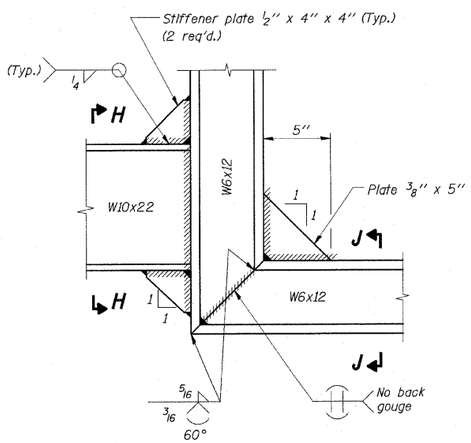
Concrete beam or girder connection plate details.



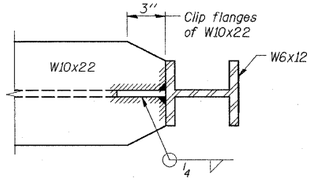
SECTION L-L



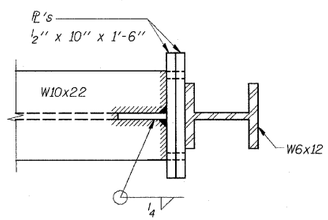
SECTION H-H



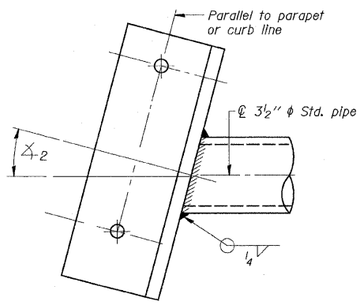
DETAIL B - WELDED W10x22 TO W6x12 CONNECTION



SECTION C-C

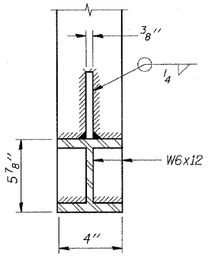


SECTION K-K

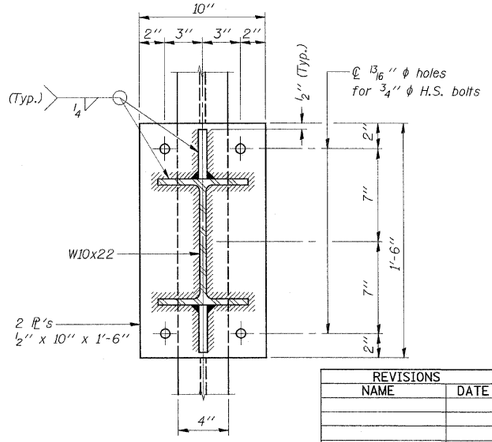


SECTION E-E

Skewed connection detail for 3½" ϕ pipe to parapet.



SECTION J-J



SECTION I-I

Note: For constant slab overhang at facia beam, ∠1 = ∠2 = sign angle. For flared beams or other special cases where ∠1 / ∠2 ∠1

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SAYRE AVENUE OVER I-90

BRIDGE MOUNTED SIGN STRUCTURES
CONNECTION DETAILS

SCALE: NONE — DRAWN BY RWK
DATE 1/20/09 — CHECKED BY PML

PATRICK ENGINEERING INC. LISLE, ILLINOIS

mpineLisle.R) 1/20/2009 5:44:06 PM q:\dat\9187.b0\drawings\rdwy\shts\rd\connectiondetails.dgn