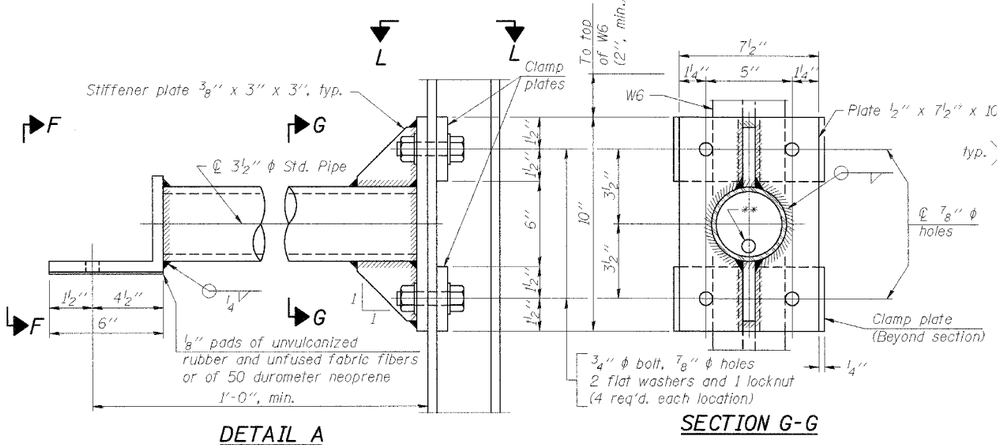
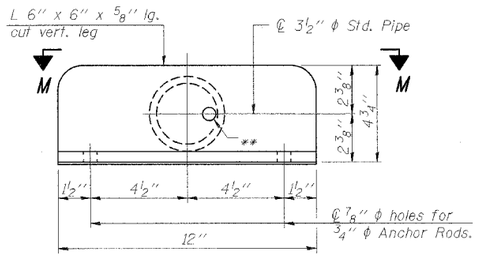
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	310
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* (26, 26HB-1 & 114) R-2
CONTRACT NO. 60363

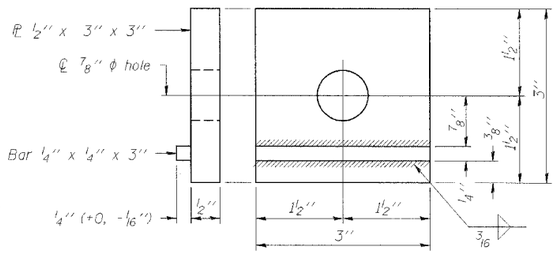


DETAIL A

SECTION G-G

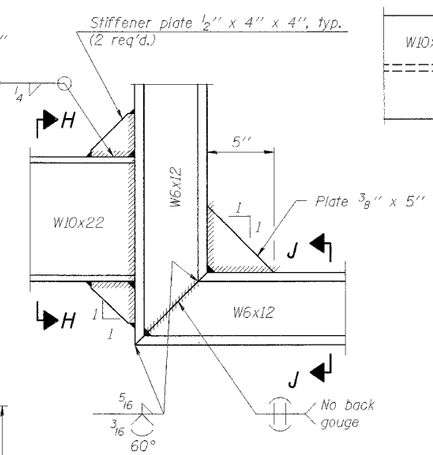


VIEW F-F

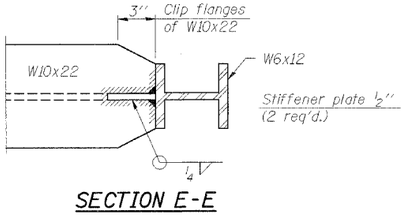


CLAMP PLATE DETAILS

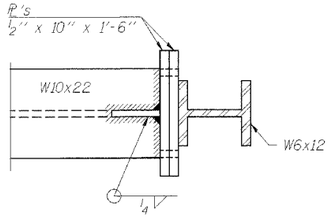
** 13/16" ϕ holes for galvanizing. After galvanizing, install 7/8" ϕ A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in 1/2" plate.)



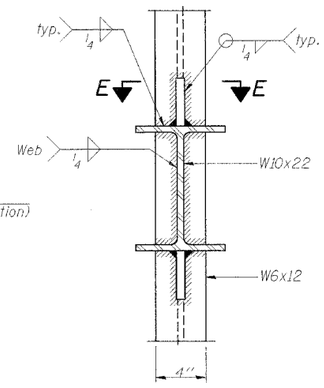
DETAIL B - WELDED W10x22 TO W6x12 CONNECTION



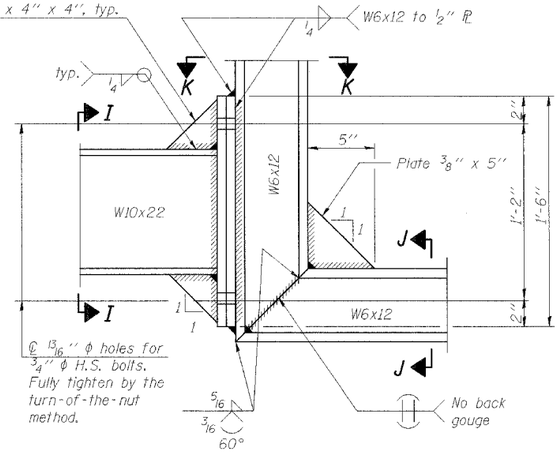
SECTION E-E



SECTION K-K

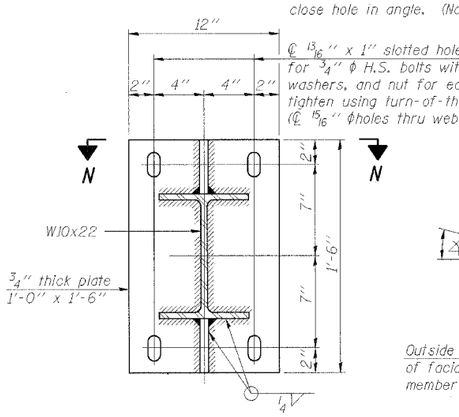


SECTION H-H



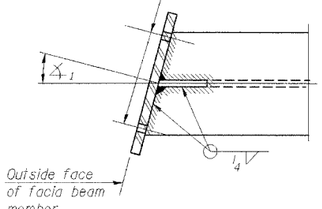
DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

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



SECTION C-C

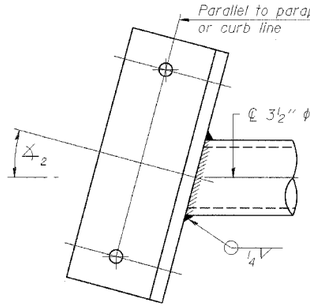
Steel beam or girder connection plate details



SECTION N-N

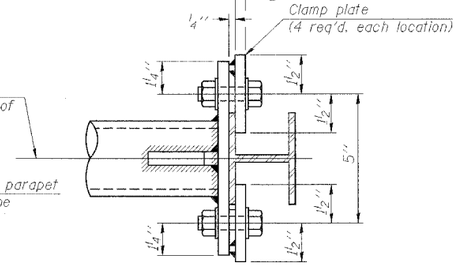
Skewed connection detail for W10x22 to facia beam.

Note: For constant slab overhang at facia beam, $\measuredangle_1 = \measuredangle_2$ = sign angle. For flared beams or other special cases where $\measuredangle_1 \neq \measuredangle_2$, $\measuredangle_1$ = sign angle.

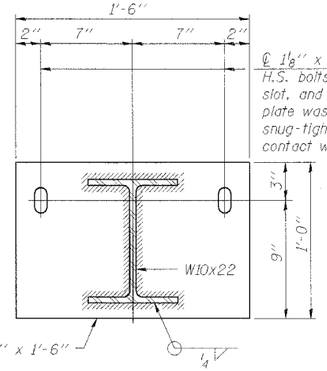


SECTION M-M

Skewed connection detail for 3 1/2" ϕ pipe to parapet.



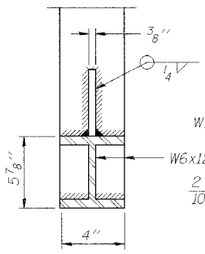
SECTION L-L



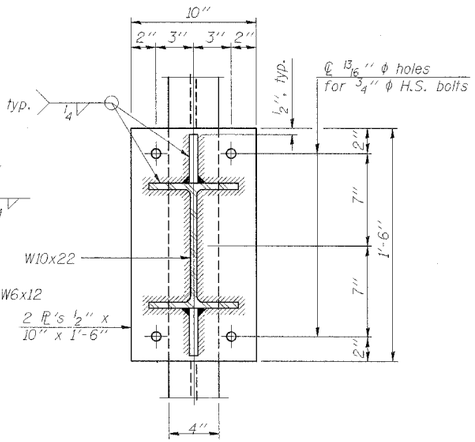
℄ 1 1/8" x 2" slotted holes in plate for 1" ϕ H.S. bolts with hardened plate washer over slot, and standard flat washer and 4" x 4" x 1/2" plate washer on far end. Use locknuts and only snug-tighten bolts, insuring pad is in uniform contact with concrete before tightening begins.

SECTION D-D

Concrete beam or girder connection plate details.



SECTION J-J



SECTION I-I

NUMBER	REVISION	DATE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 AT FAP 338 ILLINOIS ROUTE 59
SECTION: (26, 26HB-1 & 114) R-2

CONNECTION DETAILS

DRAWN BY: MDB
DATE: 03/14/08 CHECKED BY:

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE 312/616-0600

BM-3 6/01/2007

T:\DOCUMENT\82790\STRUCT\DGN\SG00GT.DGN BONDHLUG
color "robin ho \STANDARD\TENG\DATA\COLORTABLE.TBL
PLOT TIME: N/A
PLOT DATE: 2006/12/05