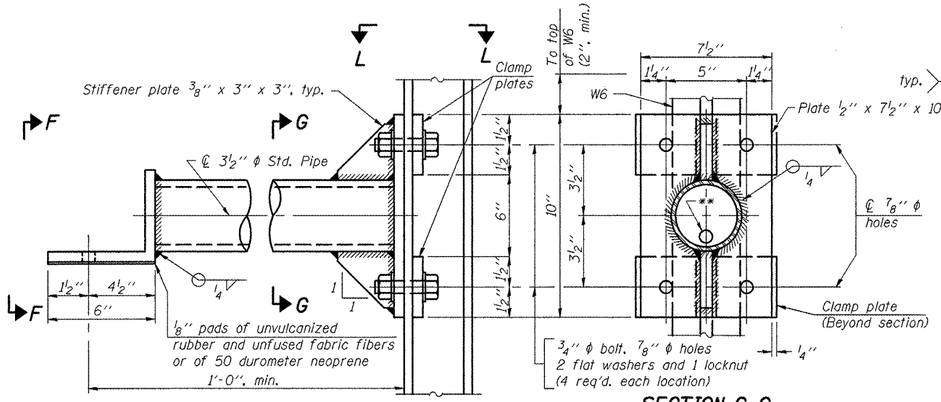
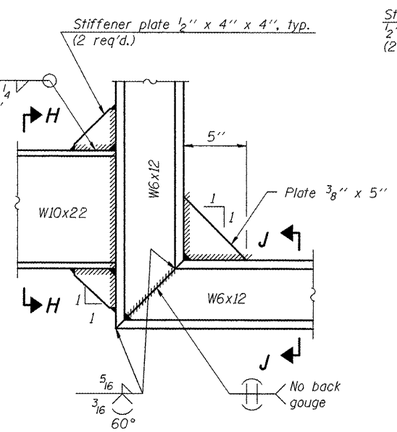
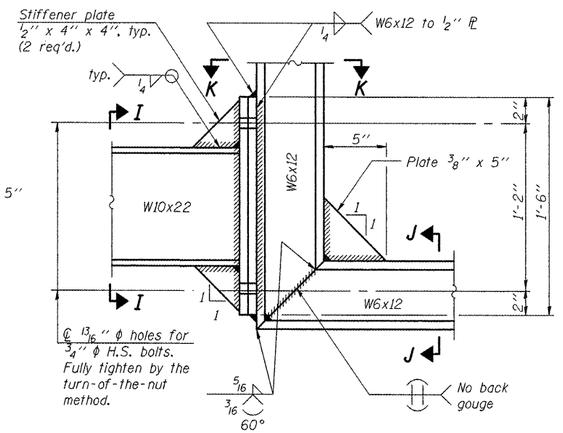


DETAIL A

SECTION G-G

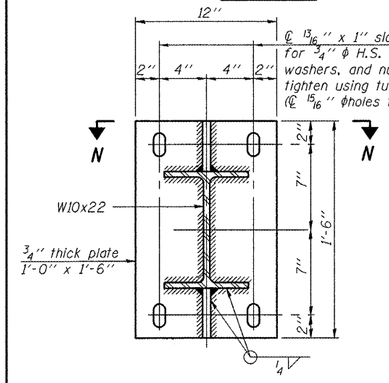


DETAIL B - WELDED W10x22 TO W6x12 CONNECTION



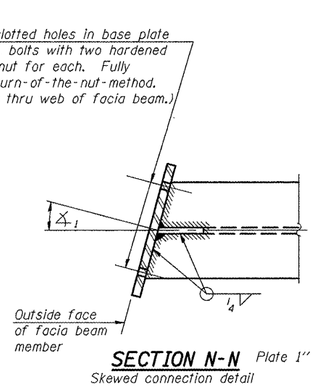
DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

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



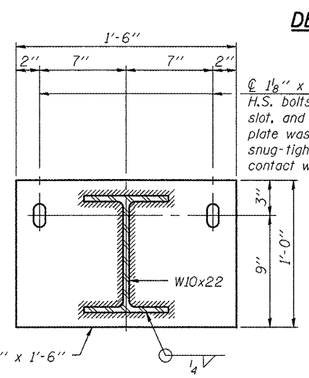
SECTION C-C

Steel beam or girder connection plate details



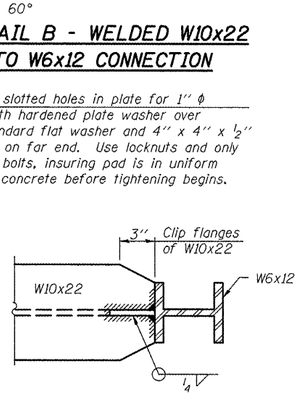
SECTION N-N

Skewed connection detail for W10x22 to facia beam.

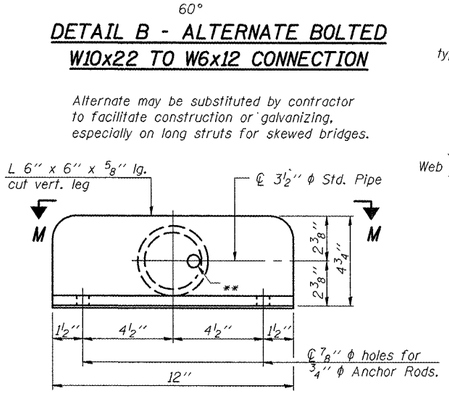


SECTION D-D

Concrete beam or girder connection plate details.

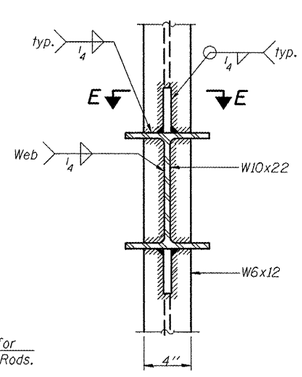


SECTION E-E

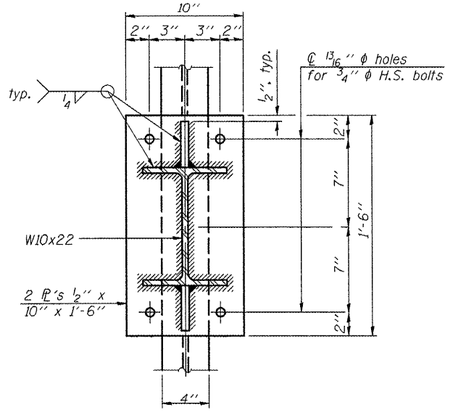


VIEW F-F

** 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 1/2" plate.)

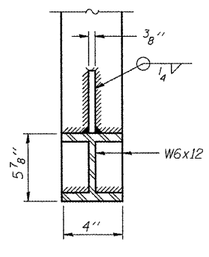


SECTION H-H

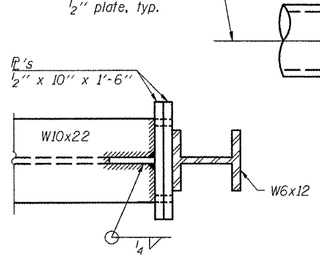


SECTION I-I

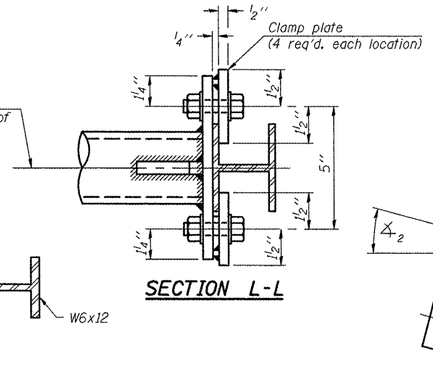
Note: For constant slab overhang at facia beam, $\Delta_1 = \Delta_2$ = sign angle. For flared beams or other special cases where $\Delta_1 \neq \Delta_2$, Δ_1 = sign angle.



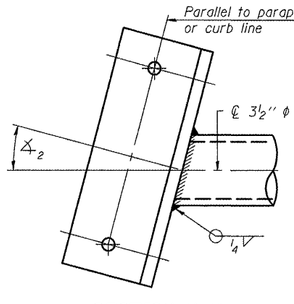
SECTION J-J



SECTION K-K

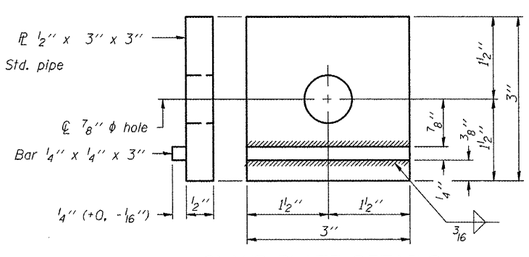


SECTION L-L



SECTION M-M

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



CLAMP PLATE DETAILS

BM-3

1-20-11

•VARIOUS COUNTIES
••D-5 OVD SIN STR REPL 2012-06

FILE NAME = c:\pw_work\pwidot\ceerlockjd\d0266557\D346179-sht-details.dgn	USER NAME = ceerlockjd	DESIGNED - JAL	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 10/7/2011	DATE - 04/26/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS

SCALE: | SHEET NO. 18 OF 24 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	Various	178	126
		CONTRACT NO. 46179		
		ILLINOIS FED. AID PROJECT		