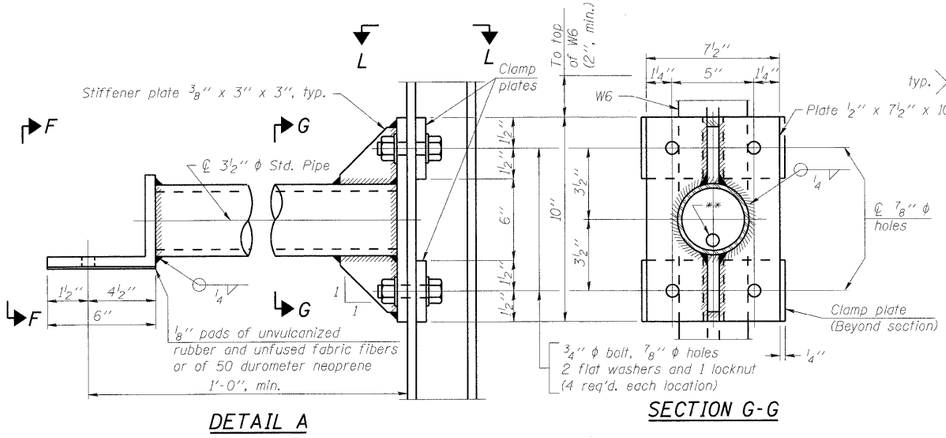
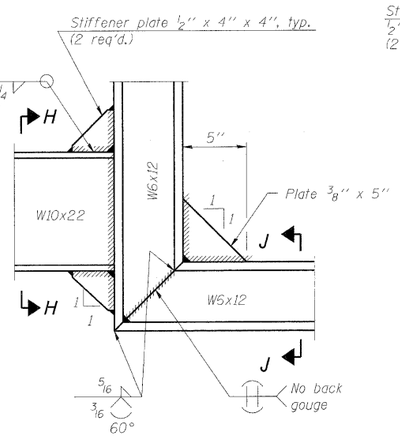
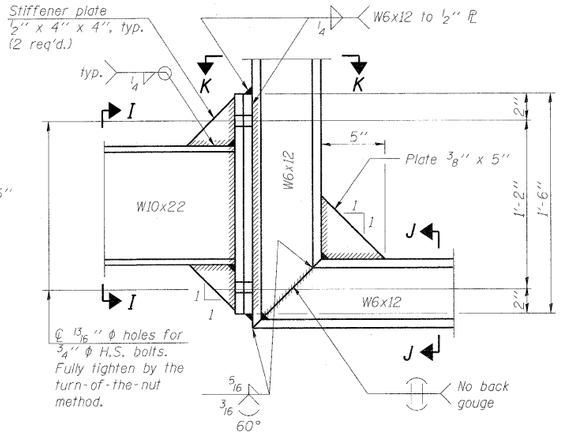


DETAIL A

SECTION G-G

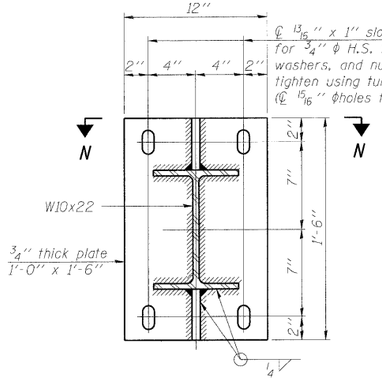


DETAIL B - WELDED W10x22 TO W6x12 CONNECTION



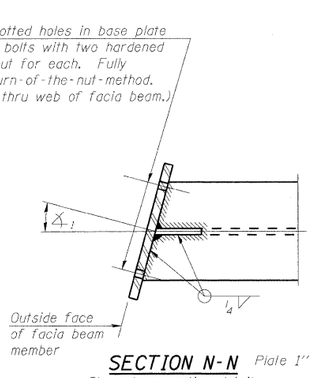
DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

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



SECTION C-C

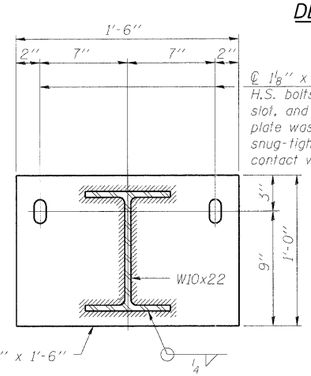
Steel beam or girder connection plate details



SECTION N-N

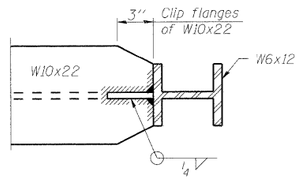
Skewed connection detail for W10x22 to facia beam.

Plate 1" x 12" x 1'-6"

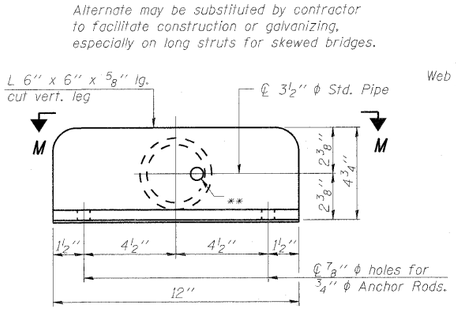


SECTION D-D

Concrete beam or girder connection plate details.

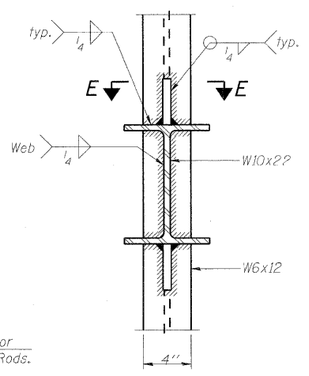


SECTION E-E

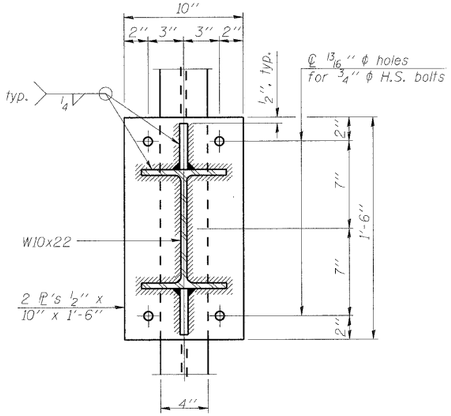


VIEW F-F

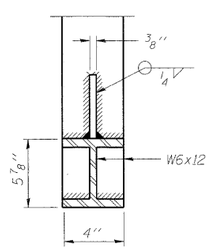
** 13/16" ϕ holes for galvanizing. After galvanizing, install 7/8" ϕ A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in 1/2" plate.)



SECTION H-H

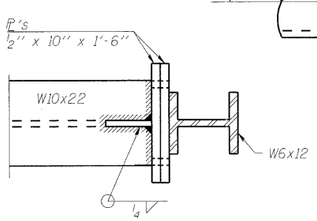


SECTION I-I

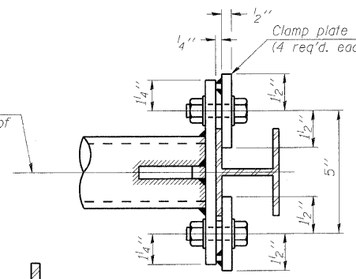


SECTION J-J

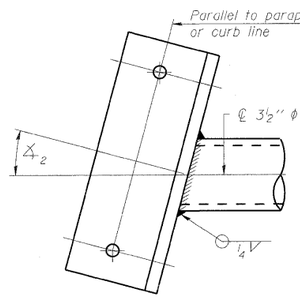
Note: For constant slab overhang at facia beam, $\Delta_1 = \Delta_2$ = sign angle. For flared beams or other special special cases where $\Delta_1 \neq \Delta_2$, Δ_1 = sign angle.



SECTION K-K

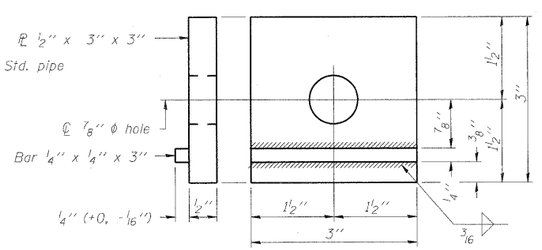


SECTION L-L



SECTION M-M

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



CLAMP PLATE DETAILS

BM-3

1-20-11

USER NAME = 2pienid	DESIGNED - DJB	REVISED -	
	DRAWN - ENTRAN	REVISED -	
PLOT SCALE = 50.00 ' / IN.	CHECKED - TMH	REVISED -	
PLOT DATE = 7/6/2011	DATE - 06/15/11	REVISED -	

ENTRAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI ROUTE 57 (INTERSTATE 57) AT FAU ROUTE 3778 (CRAWFORD AVENUE)
BRIDGE MOUNT SIGN STRUCTURES – CONNECTION DETAILS

SCALE: 50.00 ' / IN. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1112.1B	COOK	75	23
		CONTRACT NO. 60863		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = G:\projects\2122155.004\CADD\Civil\Sht\D1060862-20bnt-sign04.dgn