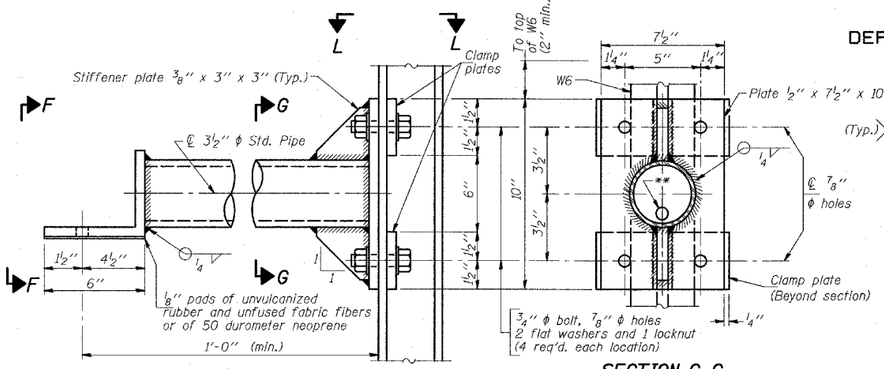
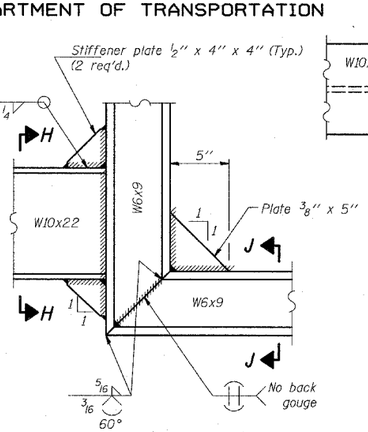
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	860	717
STA. 2200+00.00	TO STA. 2362+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-8				62694

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

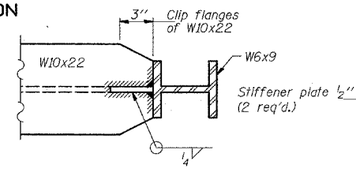


DETAIL A

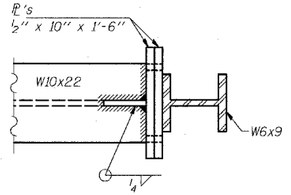


SECTION G-G

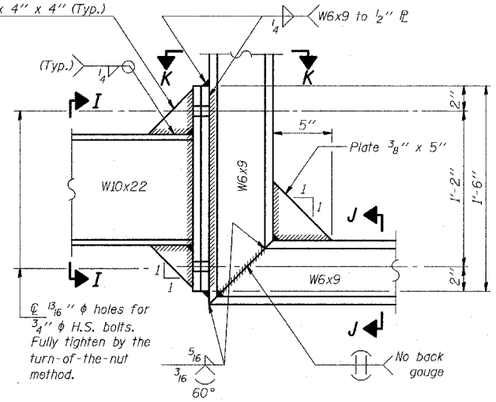
DETAIL B - WELDED
W10x22 TO W6x9 CONNECTION



SECTION E-E

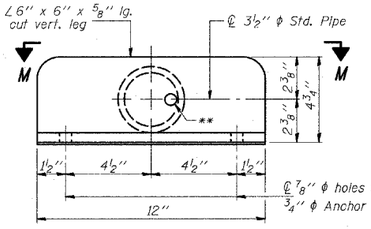


SECTION K-K

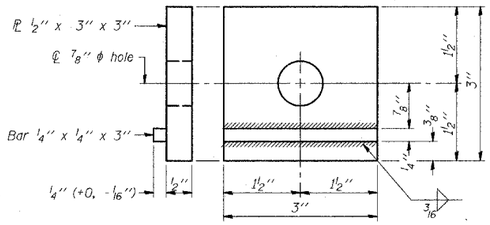


DETAIL B - ALTERNATE BOLTED
W10x22 TO W6x9 CONNECTION

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

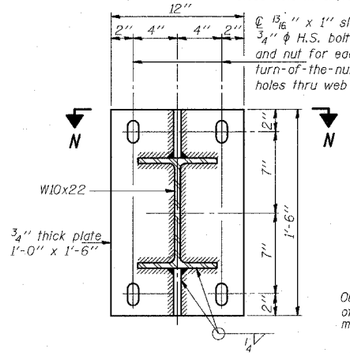


VIEW F-F



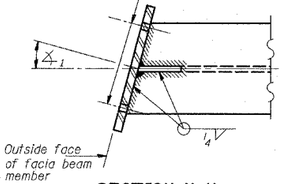
CLAMP PLATE DETAILS

**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.)



SECTION C-C

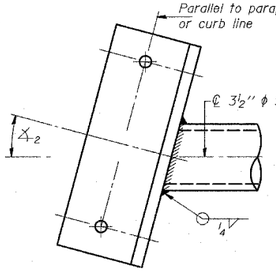
Steel beam or girder connection plate details



SECTION N-N

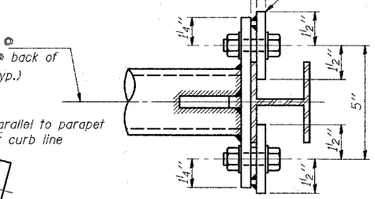
Skewed connection detail for W10x22 to facia beam.

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

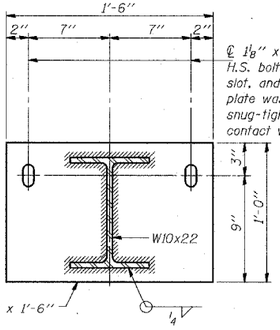


SECTION M-M

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

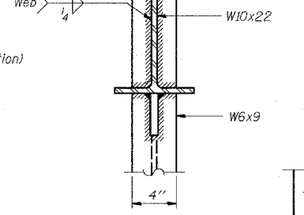


SECTION L-L

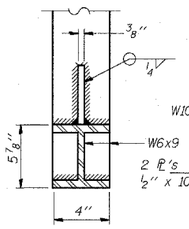


SECTION D-D

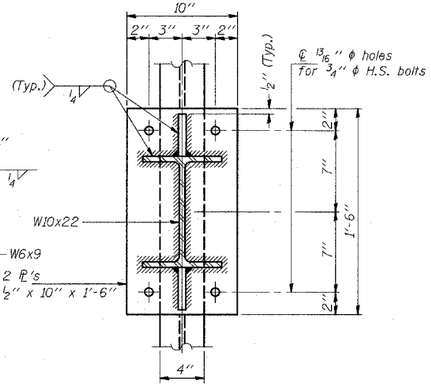
Concrete beam or girder connection plate details.



SECTION H-H



SECTION J-J



SECTION I-I

DESIGNED	-	
CHECKED	-	
DRAWN	-	
CHECKED	-	

- 20

EXAMINED
ENGINEER OF STRUCTURAL SERVICES

PASSED
ENGINEER OF BRIDGES AND STRUCTURES

BM-3 11/1/2002

NUMBER	REVISION	DATE

FOR BRIDGE-MOUNTED SIGN STRUCTURE AT STA. 2365+00, USE W6x12 INSTEAD OF W6x9.

REVISIONS NAME	DATE
REVISED	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS

SCALE: AS NOTED DRAWN BY: AMB
DATE: MARCH 18, 2005 CHECKED BY: TB

TY·LIN INTERNATIONAL