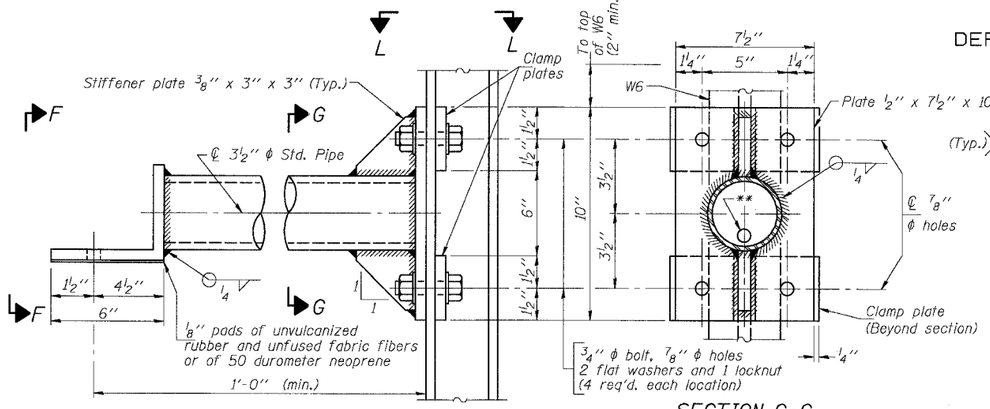
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

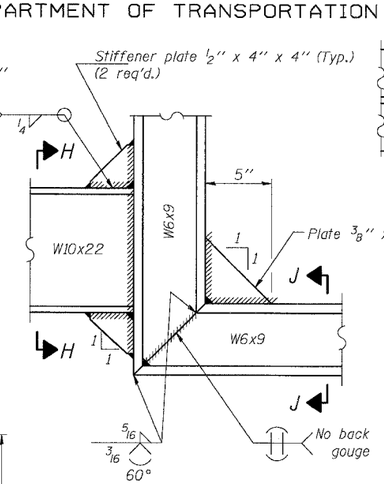
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	303
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

62300 *(1818, ETC. 2324.6-1P)R-8

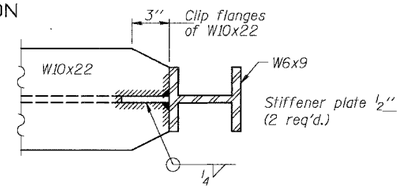


DETAIL A

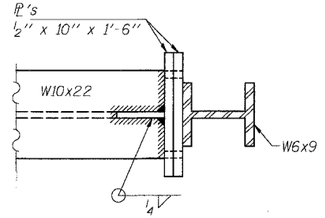
SECTION G-G



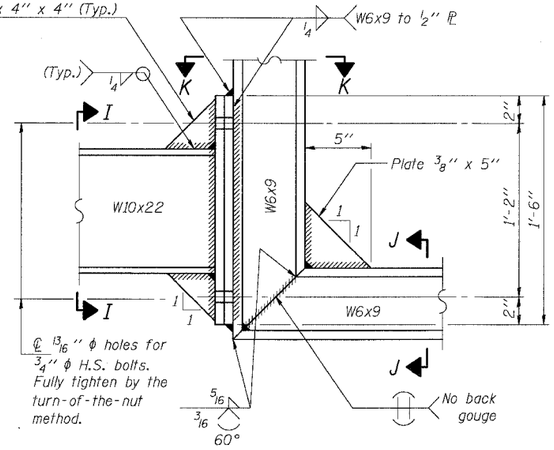
DETAIL B - WELDED
W10x22 TO W6x9 CONNECTION



SECTION E-E

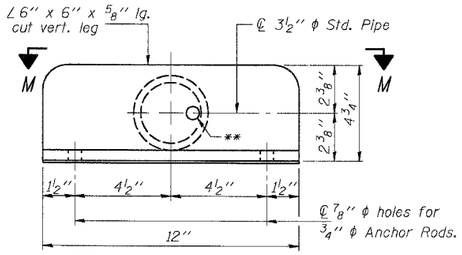


SECTION K-K

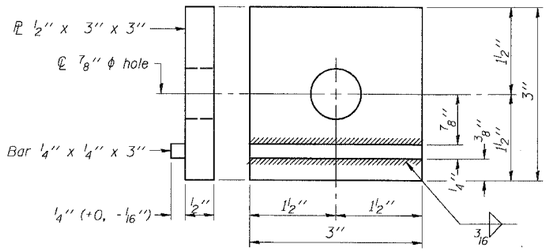


DETAIL B - ALTERNATE BOLTED
W10x22 TO W6x9 CONNECTION

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

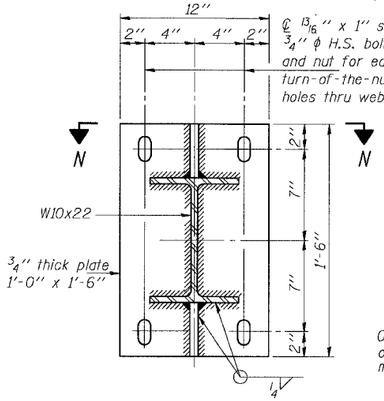


VIEW F-F



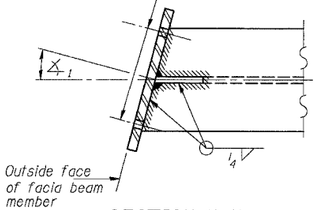
CLAMP PLATE DETAILS

**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

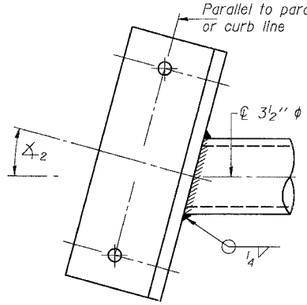
Steel beam or girder connection plate details



SECTION N-N

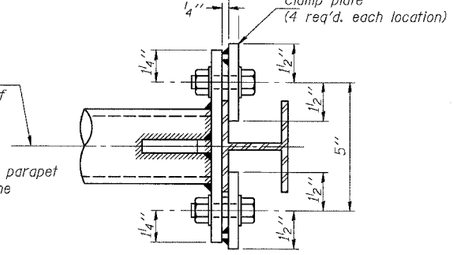
Skewed connection detail for W10x22 to facia beam.

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

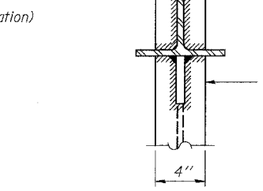


SECTION M-M

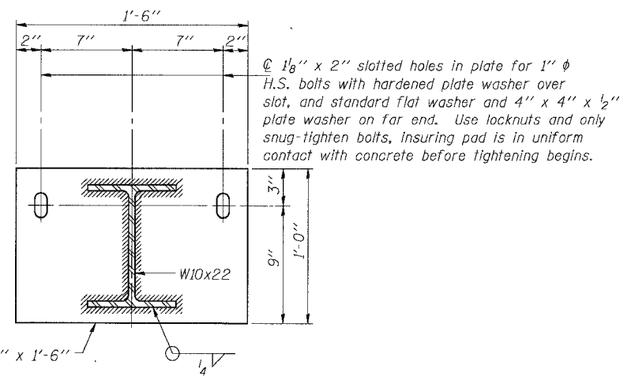
Skewed connection detail for 3 1/2" ϕ pipe to parapet.



SECTION L-L

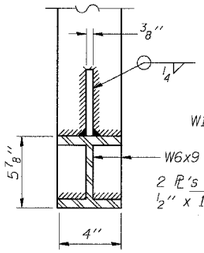


SECTION H-H

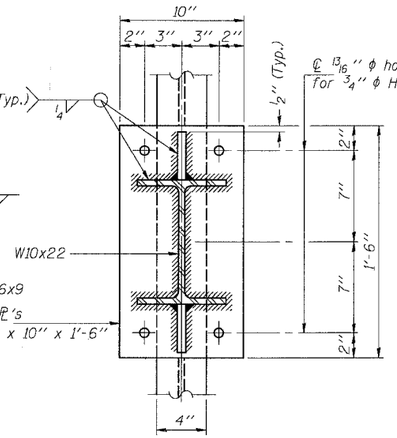


SECTION D-D

Concrete beam or girder connection plate details.



SECTION J-J



SECTION I-I

SGN-23

DESIGNED	MSA
CHECKED	AS
DRAWN	MD
CHECKED	MSA

BM-3 11/1/2002

EXAMINED
ENGINEER OF STRUCTURAL SERVICES
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
OVERHEAD SIGN STRUCTURES
(BRIDGE MOUNTED)

6/24/2005

R:\650\add\dsk\NA\sheets\sn9403la.dgn