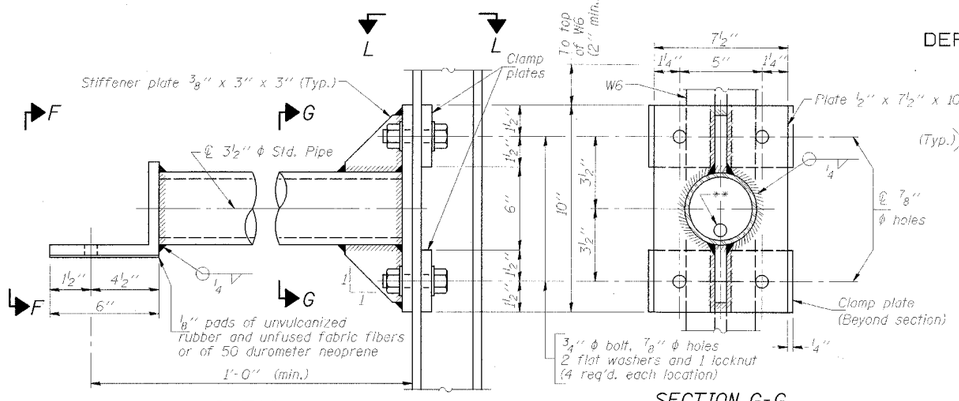
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55,80	*	WILL	497	293
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

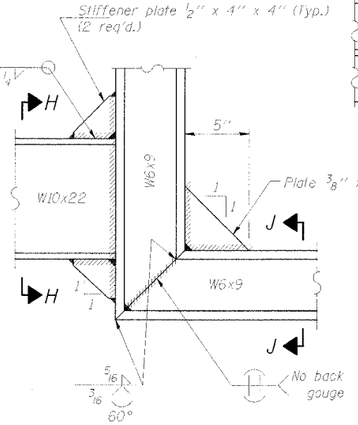
* 99-1K,BYBAC-8)

#80906

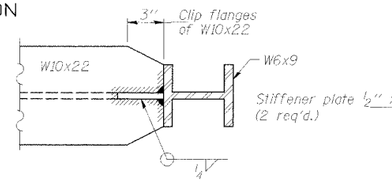


DETAIL A

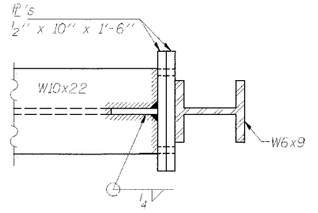
SECTION G-G



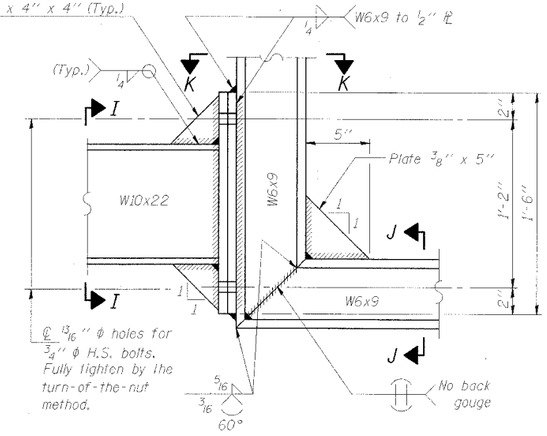
DETAIL B - WELDED
W10x22 TO W6x9 CONNECTION



SECTION E-E

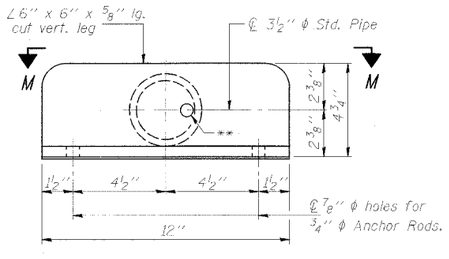


SECTION K-K

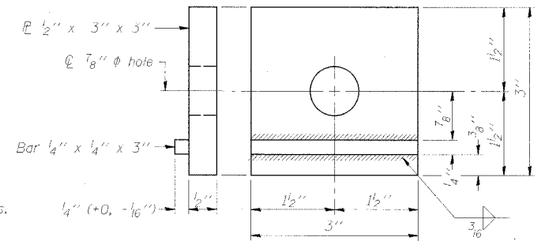


DETAIL B - ALTERNATE BOLTED
W10x22 TO W6x9 CONNECTION

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

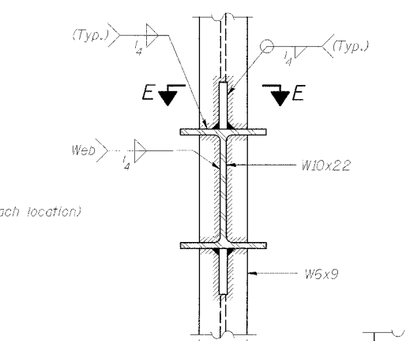


VIEW F-F

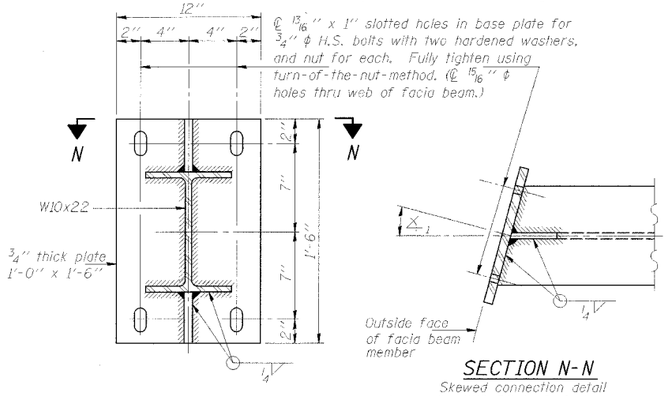


CLAMP PLATE DETAILS

***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 ½" plate.)*



SECTION H-H



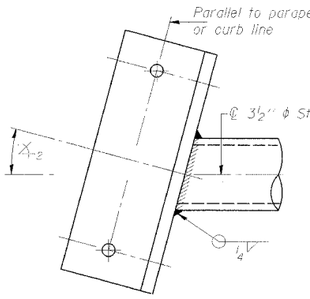
SECTION C-C

Steel beam or girder connection plate details

SECTION N-N

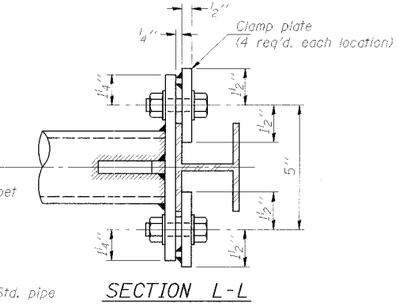
Skewed connection detail for W10x22 to facia beam.

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.

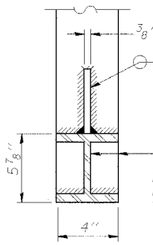


SECTION M-M

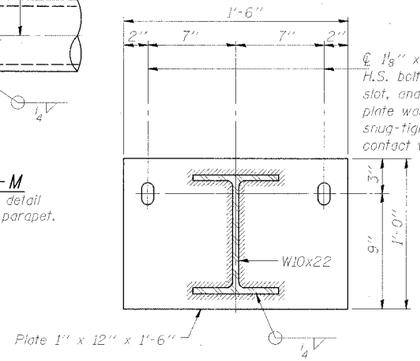
Skewed connection detail for 3½" ϕ pipe to parapet.



SECTION L-L

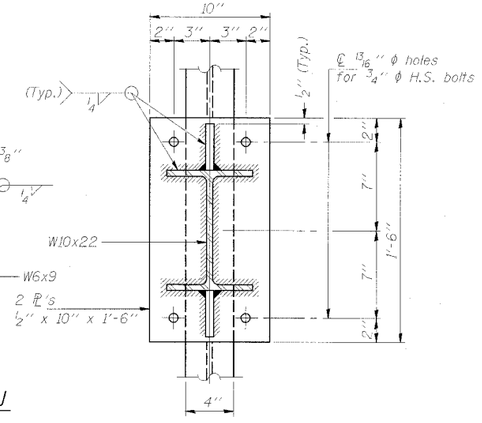


SECTION J-J



SECTION D-D

Concrete beam or girder connection plate details.



SECTION I-I

SGN-41

DESIGNED	SL
CHECKED	AS
DRAWN	RV
CHECKED	AS

BM-3 11/1/2002

19

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. 80 & F.A.I. 55 INTERCHANGE

OVERHEAD SIGN STRUCTURES
(BRIDGE MOUNTED)