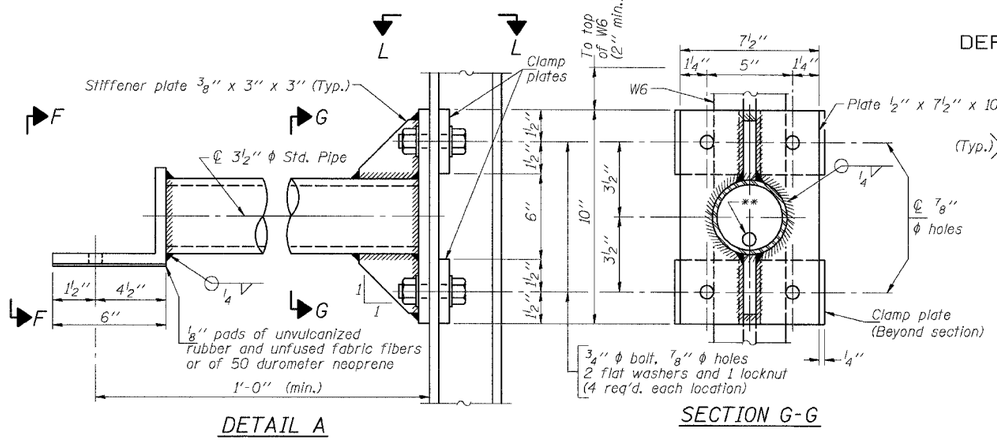
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	565	279
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

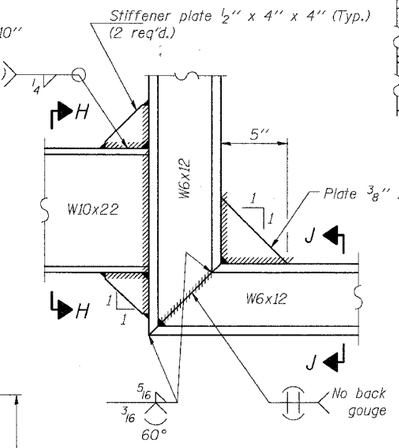
SHEET NO. - - SHEETS

*62301 (2021-922 PT2 ETC 2324.6-1P) R-10

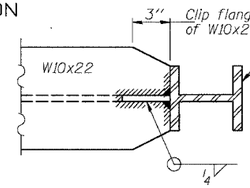


DETAIL A

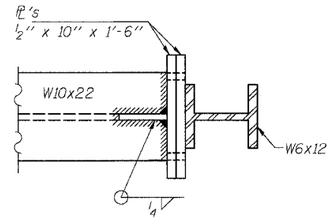
SECTION G-G



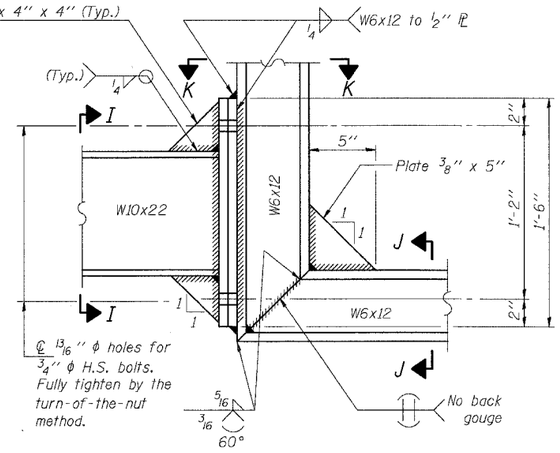
DETAIL B - WELDED
W10x22 TO W6x12 CONNECTION



SECTION E-E

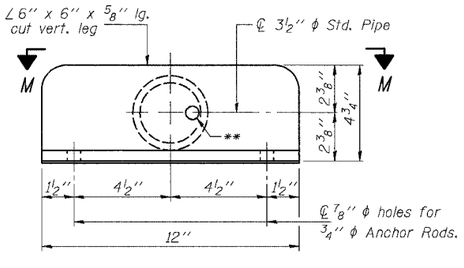


SECTION K-K

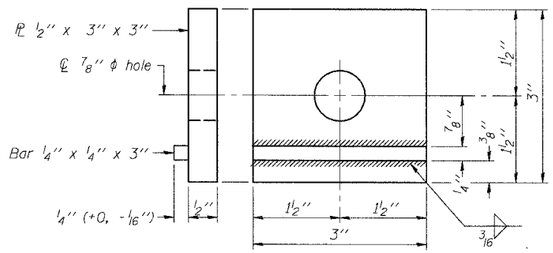


DETAIL B - ALTERNATE BOLTED
W10x22 TO W6x12 CONNECTION

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

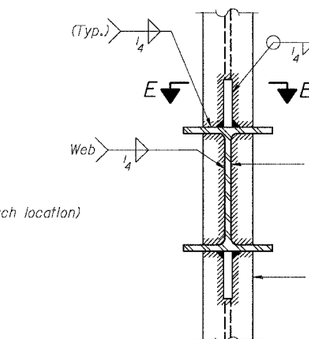


VIEW F-F

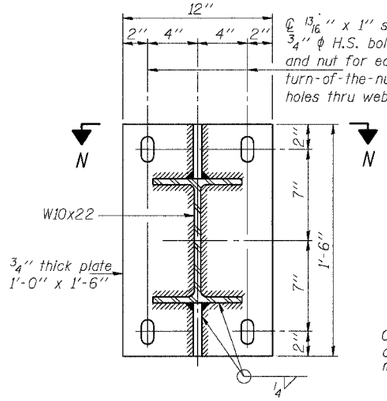


CLAMP PLATE DETAILS

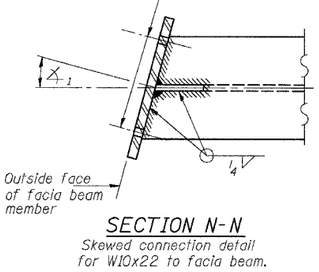
**13/16" ϕ holes for galvanizing. After galvanizing, install 7/8" ϕ A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in 1/2" plate.)



SECTION H-H

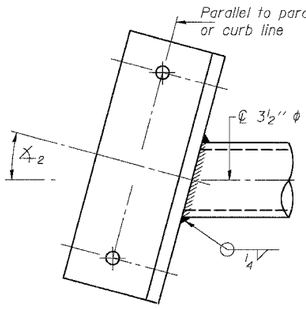


SECTION C-C
Steel beam or girder connection plate details

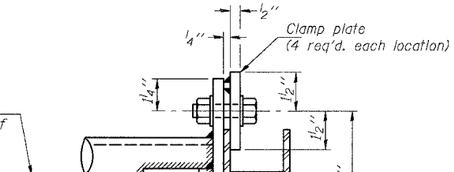


SECTION N-N
Skewed connection detail for W10x22 to facia beam.

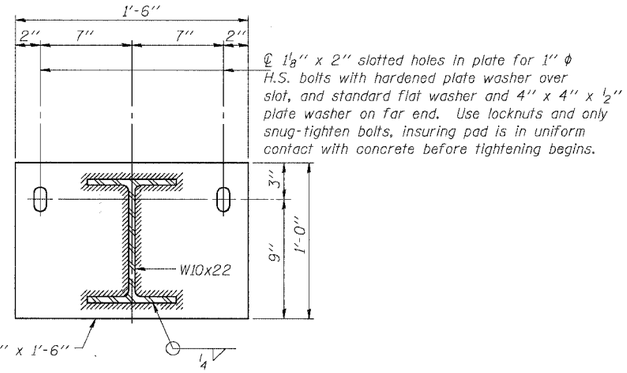
Note: For constant slab overhang at facia beam, $\measuredangle_1 = \measuredangle_2$ = sign angle. For flared beams or other special cases where $\measuredangle_1 \neq \measuredangle_2$. $\measuredangle_1$ = sign angle.



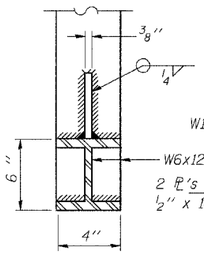
SECTION M-M
Skewed connection detail for 3 1/2" ϕ pipe to parapet.



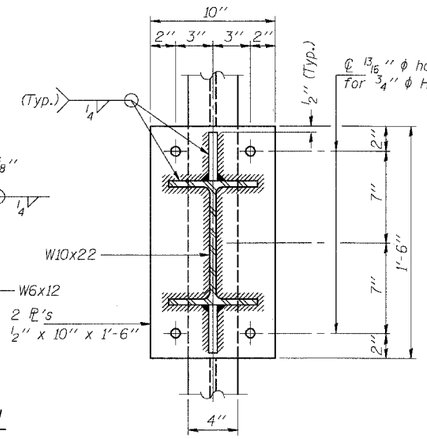
SECTION L-L



SECTION D-D
Concrete beam or girder connection plate details.



SECTION J-J



SECTION I-I

SGN-37

DESIGNED	MSA
CHECKED	AS/AC
DRAWN	RV
CHECKED	MSA

BM-3 Special 1/7/05

- 20

EXAMINED

ENGINEER OF BRIDGE DESIGN

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)
GARFIELD BLVD TO 31ST STREET (NB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(BRIDGE MOUNTED)

n:\660Ocadd\civil\BSheets\ss\BD003bm.sht