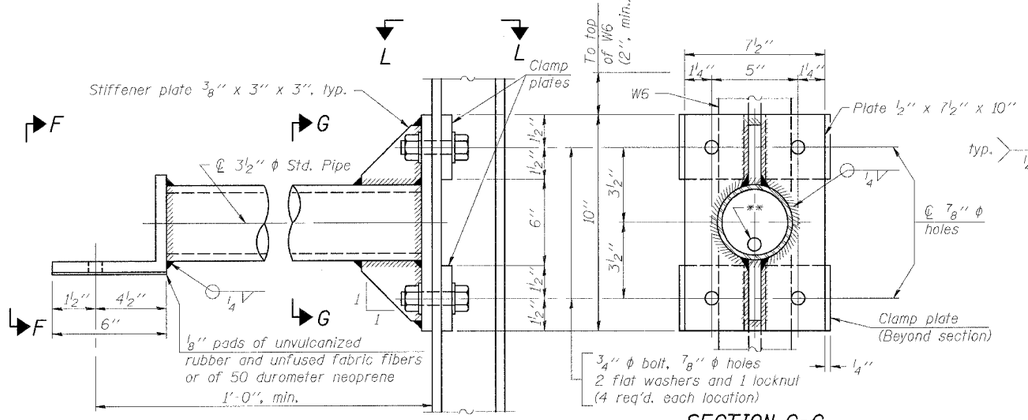
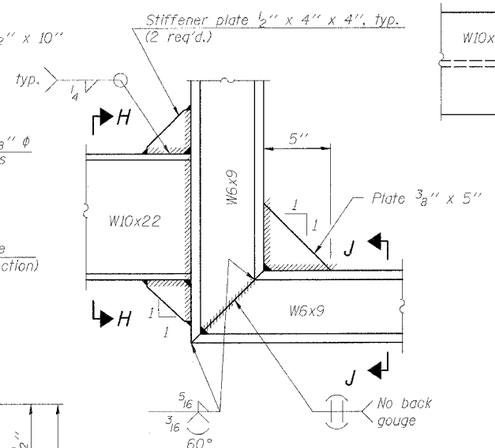
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1360	0101BR-2	COOK	90	73
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 25
26 SHEETS
Contract #60A65

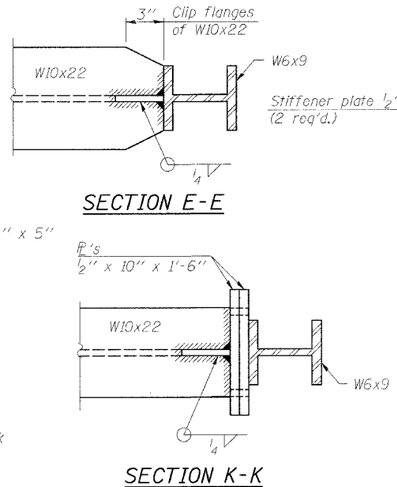


DETAIL A

SECTION G-G

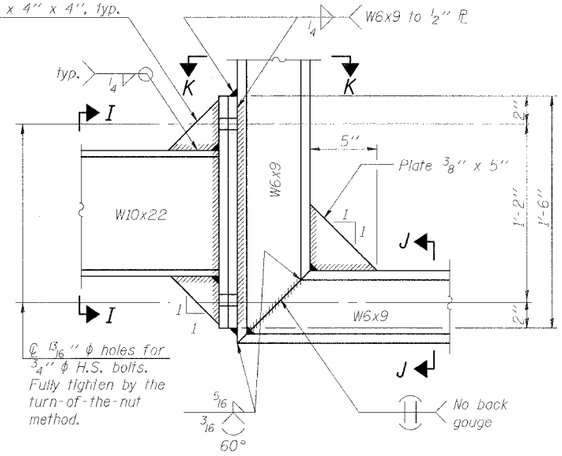


DETAIL B - WELDED W10x22 TO W6x9 CONNECTION



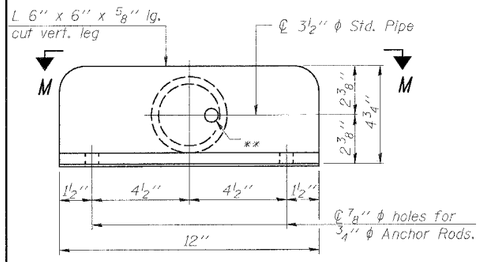
SECTION E-E

SECTION K-K



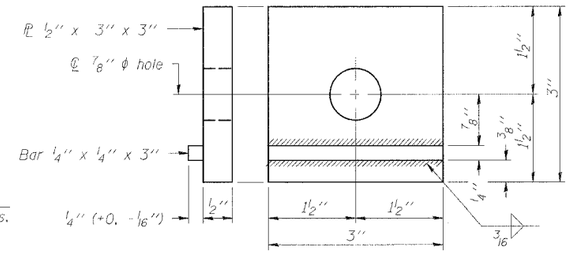
DETAIL B - ALTERNATE BOLTED W10x22 TO W6x9 CONNECTION

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

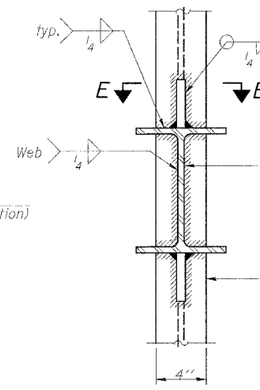


VIEW F-F

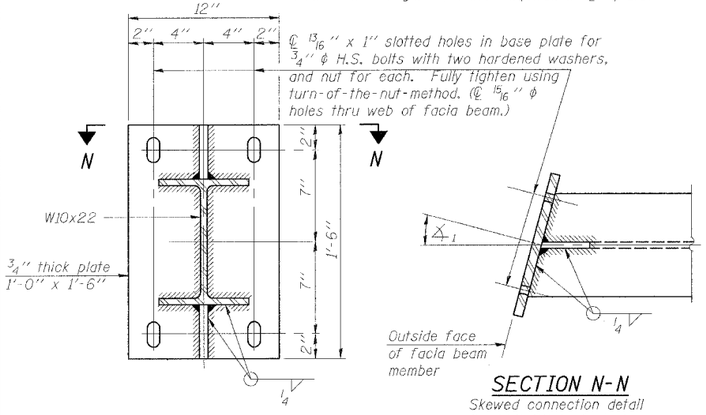
** 13/16" ϕ holes for galvanizing. After galvanizing, install 7/8" ϕ A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in ½" plate.)



CLAMP PLATE DETAILS



SECTION H-H



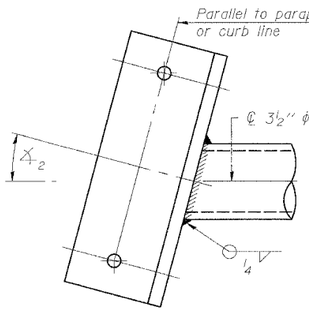
SECTION C-C

Steel beam or girder connection plate details

SECTION N-N

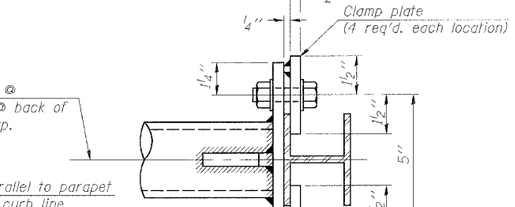
Skewed connection detail for W10x22 to facia beam.

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

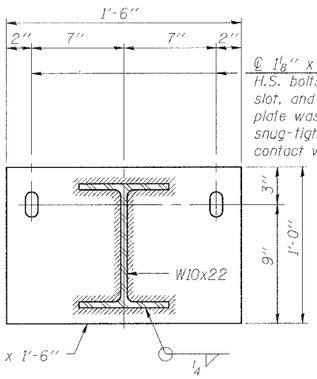


SECTION M-M

Skewed connection detail for 3½" ϕ pipe to parapet.



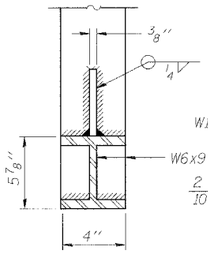
SECTION L-L



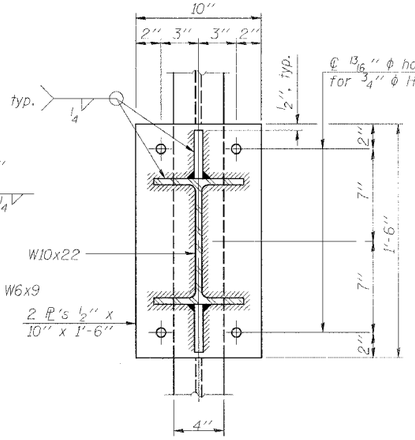
℄ 1⅛" x 2" slotted holes in plate for 1" ϕ H.S. bolts with hardened plate washer over slot, and standard flat washer and 4" x 4" x ½" plate washer on far end. Use locknuts and only snug-tighten bolts, insuring pad is in uniform contact with concrete before tightening begins.

SECTION D-D

Concrete beam or girder connection plate details.



SECTION J-J



SECTION I-I

NUMBER	REVISION	DATE

BM-3 1-7-05

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, Il 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS
FOSTER AVE. OVER I-94 (EDENS EXPRESSWAY)
FAU RTE 1360 - SECTION 0101BR-2
COOK COUNTY
STATION 100+00
STRUCTURE NO. 016-0246
DATE: 4/30/2006
DRAWN BY LCM
CHECKED BY WJV

6/29/2006 K:\1118251\Structure\Final Plans\Final Plans.dgn