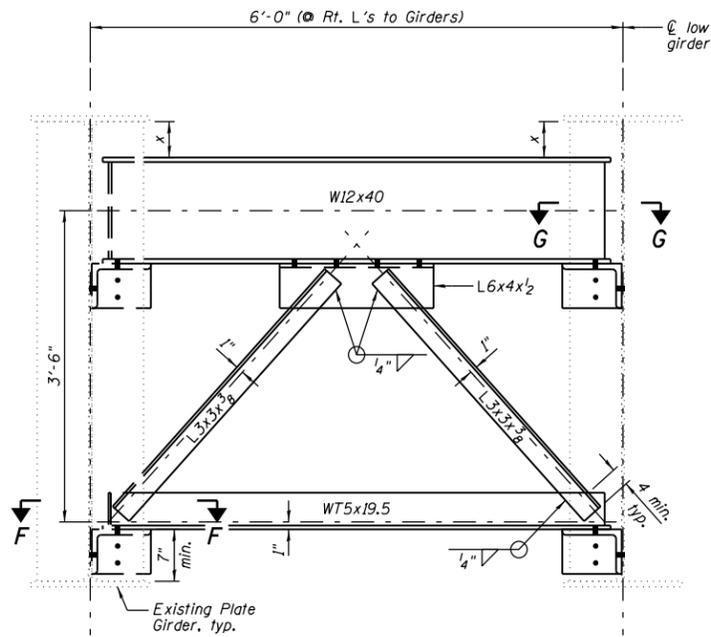


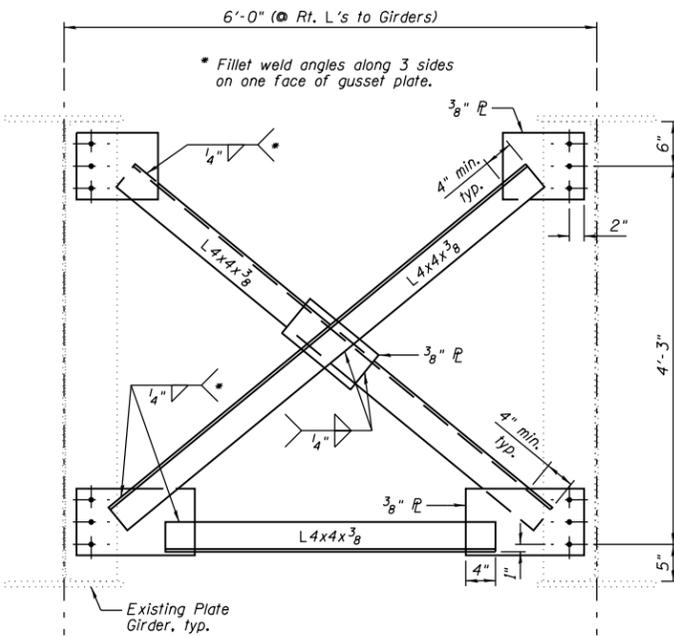
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TYPICAL END CROSS FRAME AT WEST ABUTMENT - CF1
(5 - Required)

Notes: 1.) Detail 15/16" ϕ holes for all 3/4" ϕ bolts.
2.) Two hardened washers shall be required for each set of oversized holes.

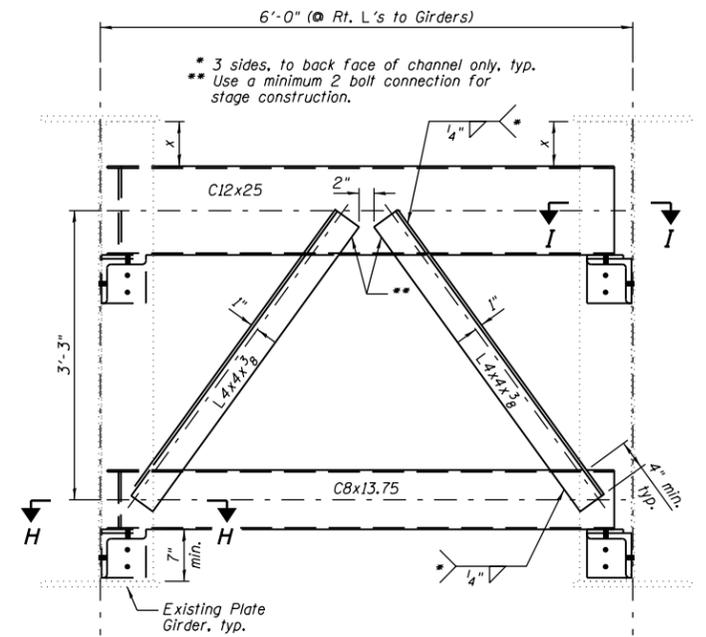
WEST ABUTMENT TABLE	
Girder No.	"x" Dimension
1	4 3/8"
2	4 15/16"
3	4 5/8"
4	4 5/8"
5	5 3/8"
6	5 3/8"



TYPICAL INTERIOR CROSS FRAME - CF2 (CONNECTION "A")
(9 - Required)

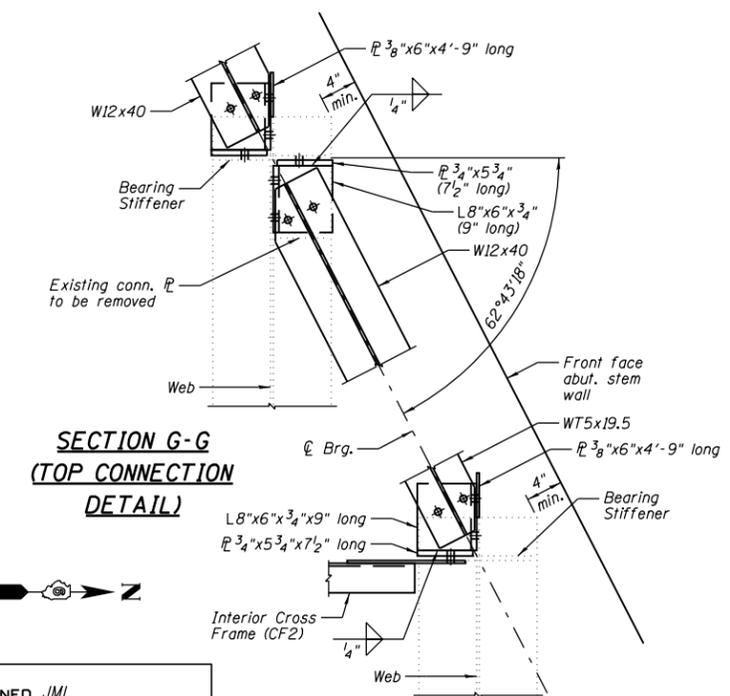
Notes: 1.) See Sheet B22 for Cross Frame Connection "A" locations.
2.) Detail 15/16" ϕ holes for all 3/4" ϕ bolts.
3.) Two hardened washers shall be required for each set of oversized holes.
4.) For existing to proposed connection, match existing bolt holes. The Contractor shall provide connection details for all existing to proposed connections per the existing shop drawings.

EAST ABUTMENT TABLE	
Girder No.	"x" Dimension
1	4"
2	4 1/16"
3	4 5/16"
4	4"
5	5 1/16"
6	3 1/16"

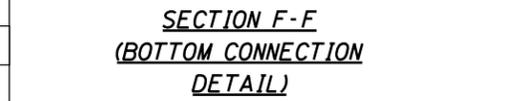


TYPICAL END CROSS FRAME AT EAST ABUTMENT - CF3
(5 - Required)

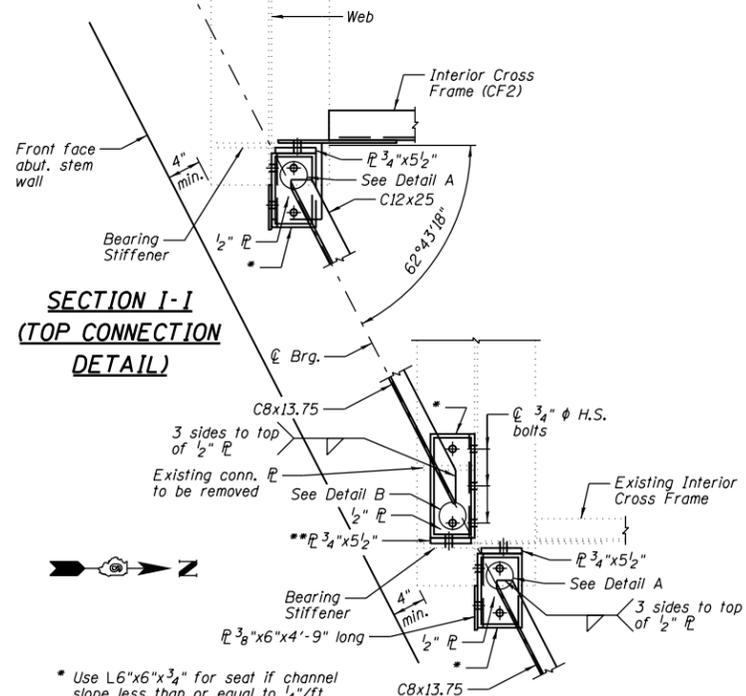
Notes: 1.) Detail 15/16" ϕ holes for all 3/4" ϕ bolts.
2.) Two hardened washers shall be required for each set of oversized holes.
3.) Place diaphragm with channel flanges projected outward from abutment backwall.



SECTION G-G (TOP CONNECTION DETAIL)



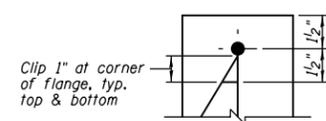
SECTION F-F (BOTTOM CONNECTION DETAIL)



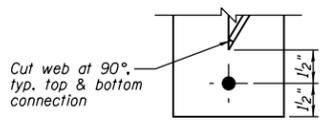
SECTION I-I (TOP CONNECTION DETAIL)

SECTION H-H (BOTTOM CONNECTION DETAIL)

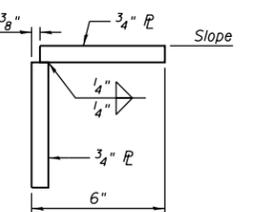
* Use L6"x6"x3/4" for seat if channel slope less than or equal to 1/4"/ft. For slope greater than 1/4"/ft., use 2-3/4" plates as shown in Detail C.
** Weld 3/4"x5 1/2" plate to seat as shown in Detail D and Detail E.



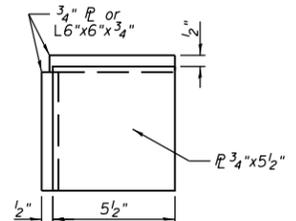
DETAIL A



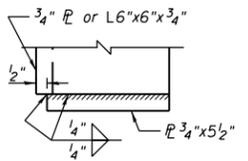
DETAIL B



DETAIL C



DETAIL D



DETAIL E

DESIGNED	JML
CHECKED	MSW
DRAWN	DJM
CHECKED	MGO/MSW

DATE 08/09/10

FARNSWORTH GROUP, INC.

**STRUCTURAL STEEL
STRUCTURE NO. 084-0078**

SHEET NO. B24	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	72	(84-3HB-5)BR	SANGAMON	84	60
42 SHEETS	SN 084-0078		CONTRACT NO. 72C70		
FED. ROAD DIST. NO. 6		ILLINOIS FED. AID PROJECT			