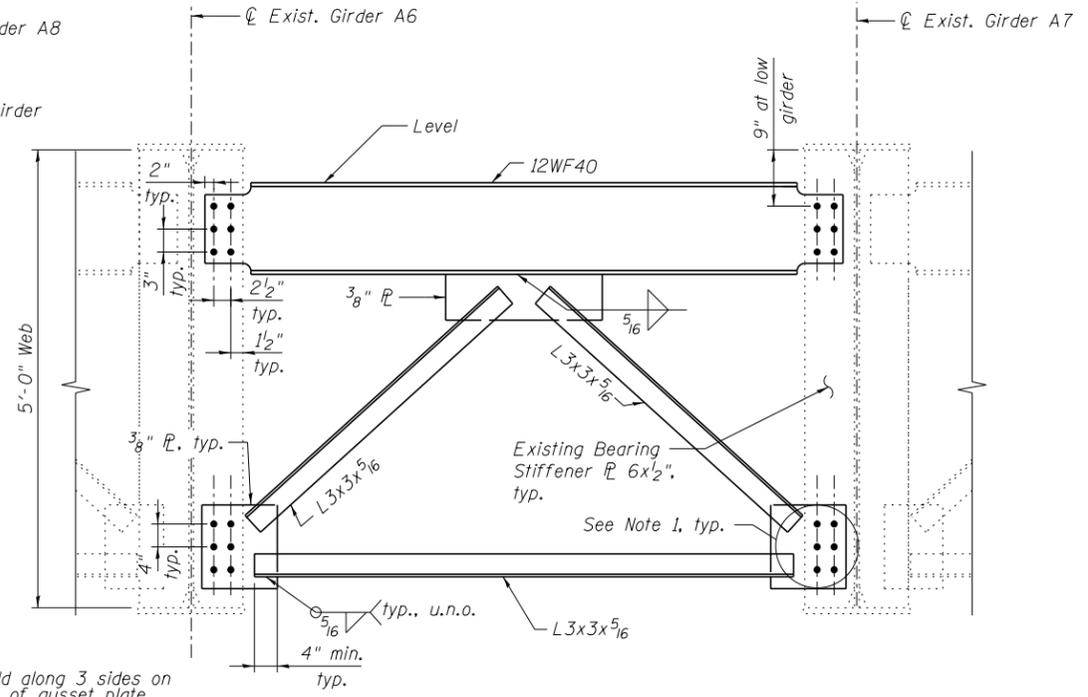
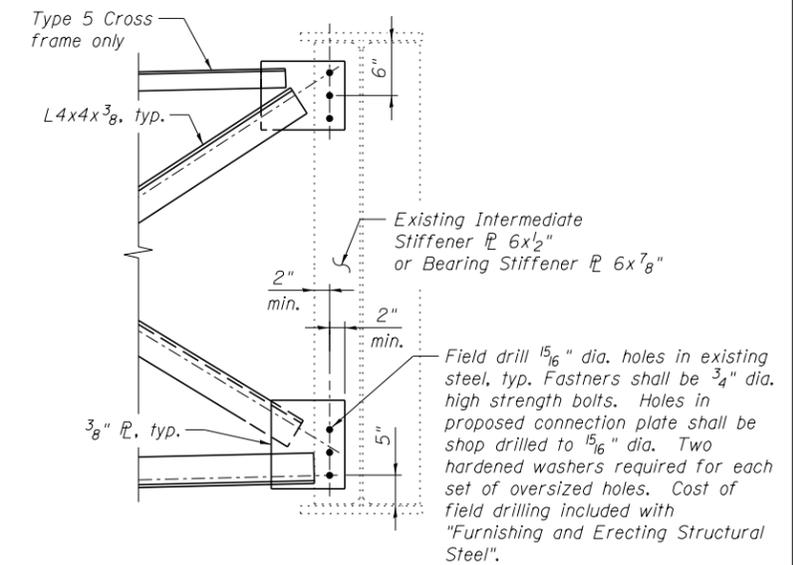


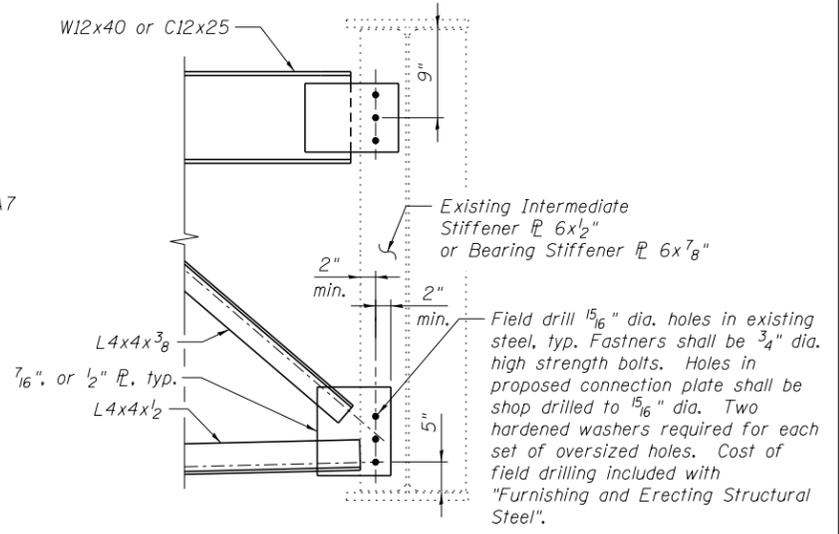
INTERIOR CROSS FRAME REPLACEMENT DETAIL
(No. of Locations 1)



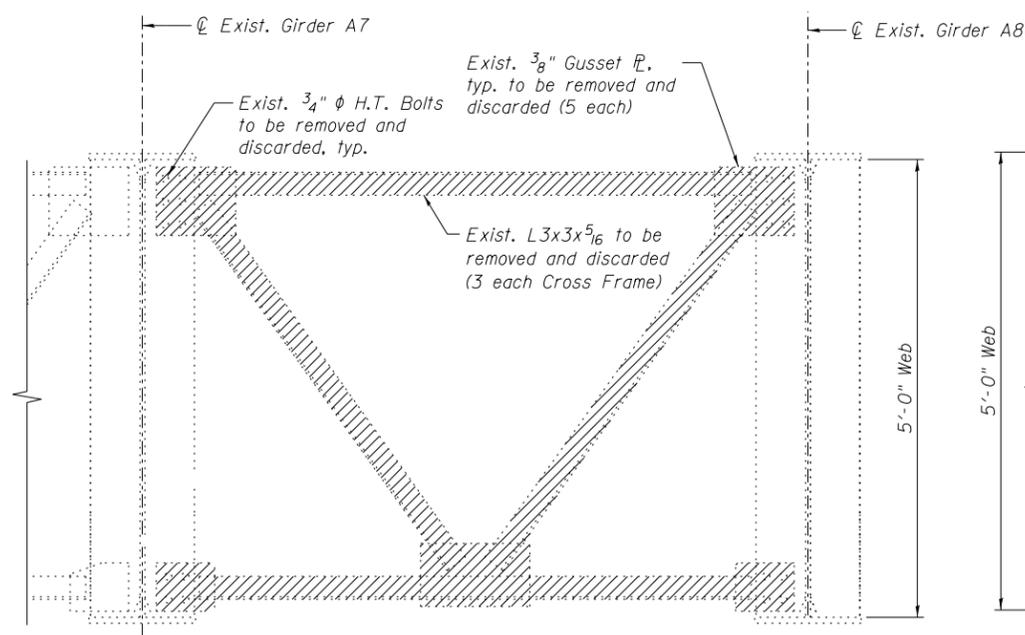
END CROSS FRAME REPLACEMENT DETAIL
(No. of Locations 1)



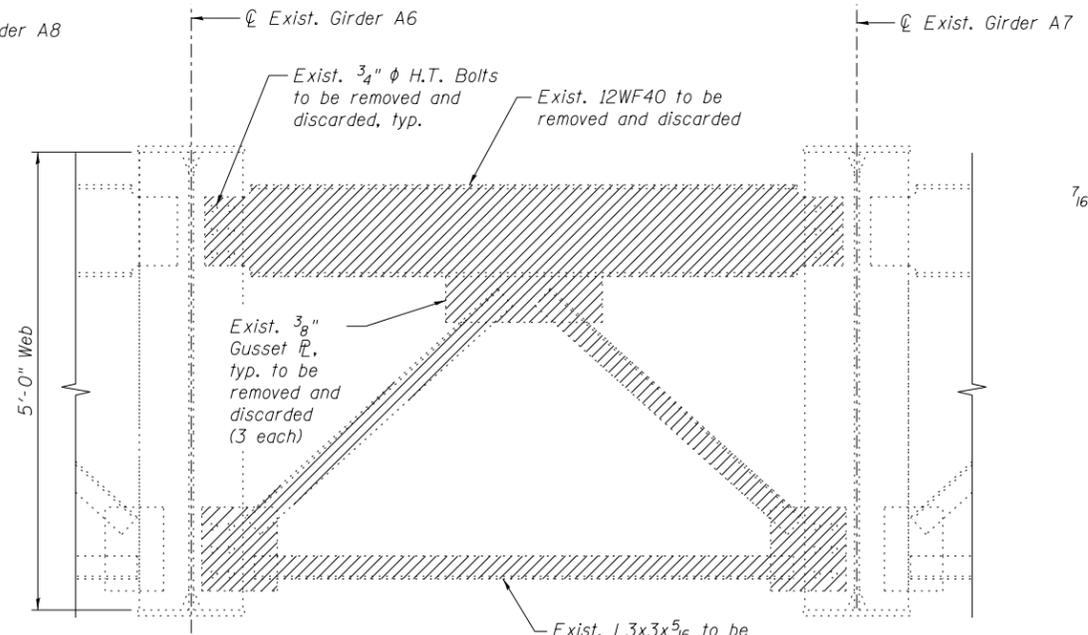
EXISTING GIRDER CONNECTION
(Cross Frames Type CF1, CF2 & CF5)
(See Sheet SD56 for additional cross frame connection details)



EXISTING GIRDER CONNECTION
(Cross Frames Type CF3 & CF4)
(See Sheet SD56 for additional cross frame connection details)



EXISTING INTERIOR CROSS FRAME REMOVAL DETAIL
(No. of Locations 1)



EXISTING END CROSS FRAME REMOVAL DETAIL
(No. of Locations 1)

- NOTES:**
1. New 3/4" dia. fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Holes in new steel shall be subpunched or subdrilled 1/16" dia. and reamed in the field to 13/16" dia. Reuse existing holes in existing steel. Contractor to field verify location, size and spacing of existing holes prior to ordering new materials. Cost included with "Furnishing and Erecting Structural Steel".
 2. See Sheets SD63 thru SD65 for location of cross frame replacement removal.

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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10093

FILE NAME =	USER NAME = ksnider	DESIGNED - DTS	REVISED -
		CHECKED - TPS	REVISED -
		DRAWN - KMS	REVISED -
		CHECKED - TPS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL REPAIR DETAILS (2 OF 3)
STRUCTURE NO. 016-2457

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	442
CONTRACT NO. 60J16			ILLINOIS FED. AID PROJECT	

SHEET NO. SD67 OF SD83 SHEETS

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