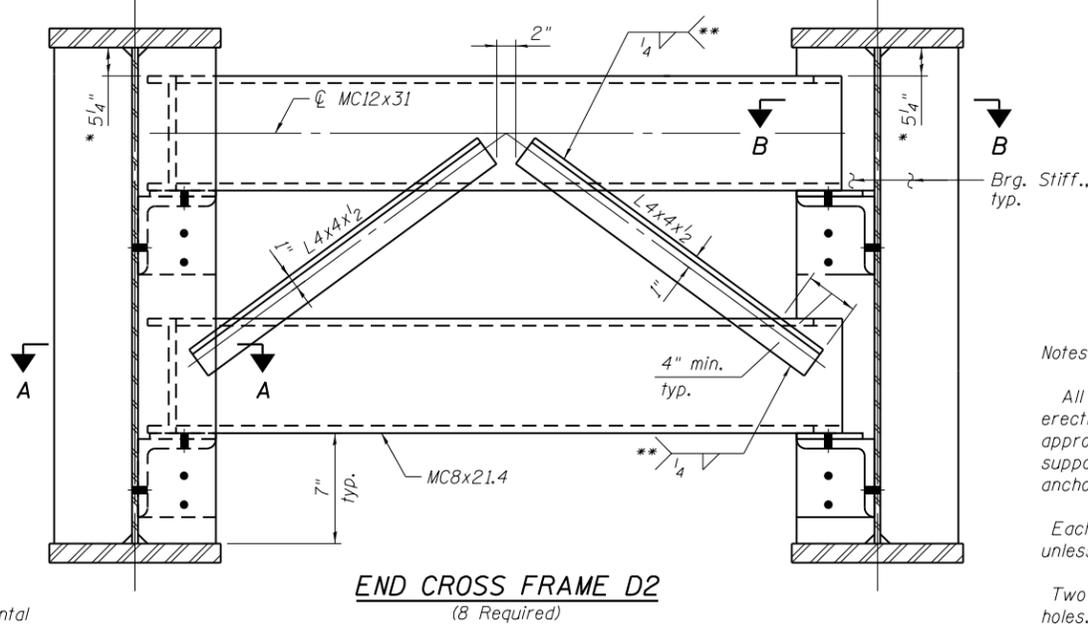
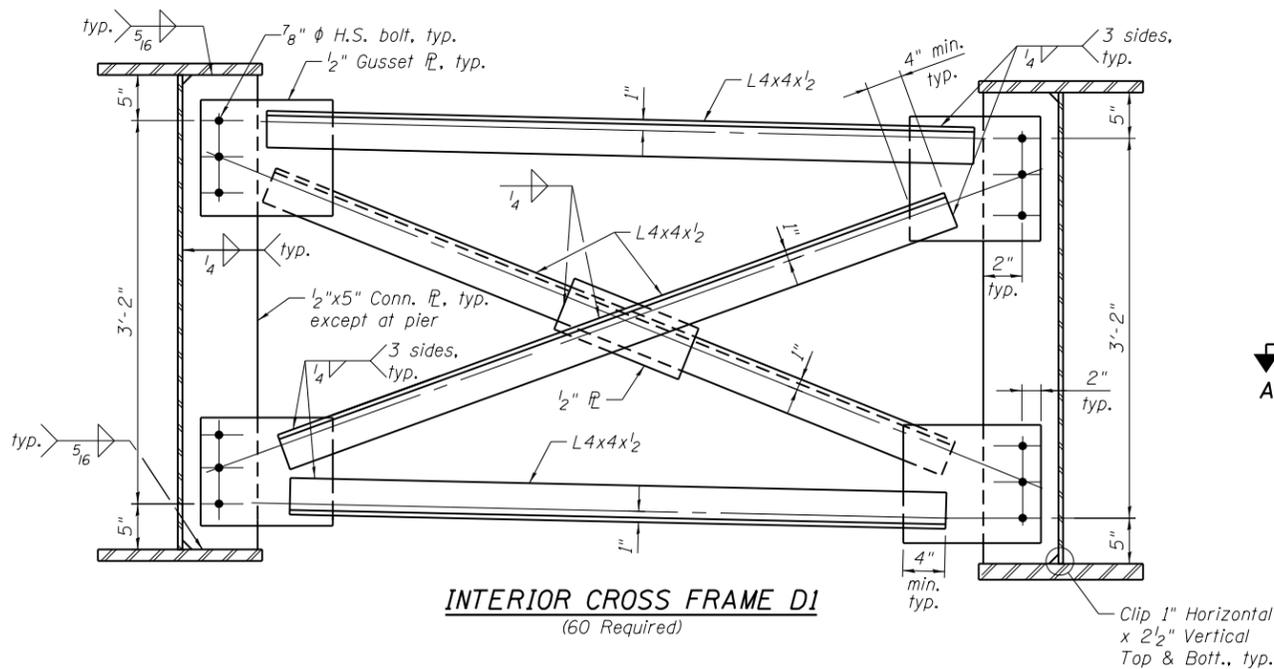


2/21/13 PM

3/29/2013

S:\1072_05_CADD\Structure\1 SN 0162470\CADD Sheets\0162470-60J12-022-SS02.dgn



Notes:

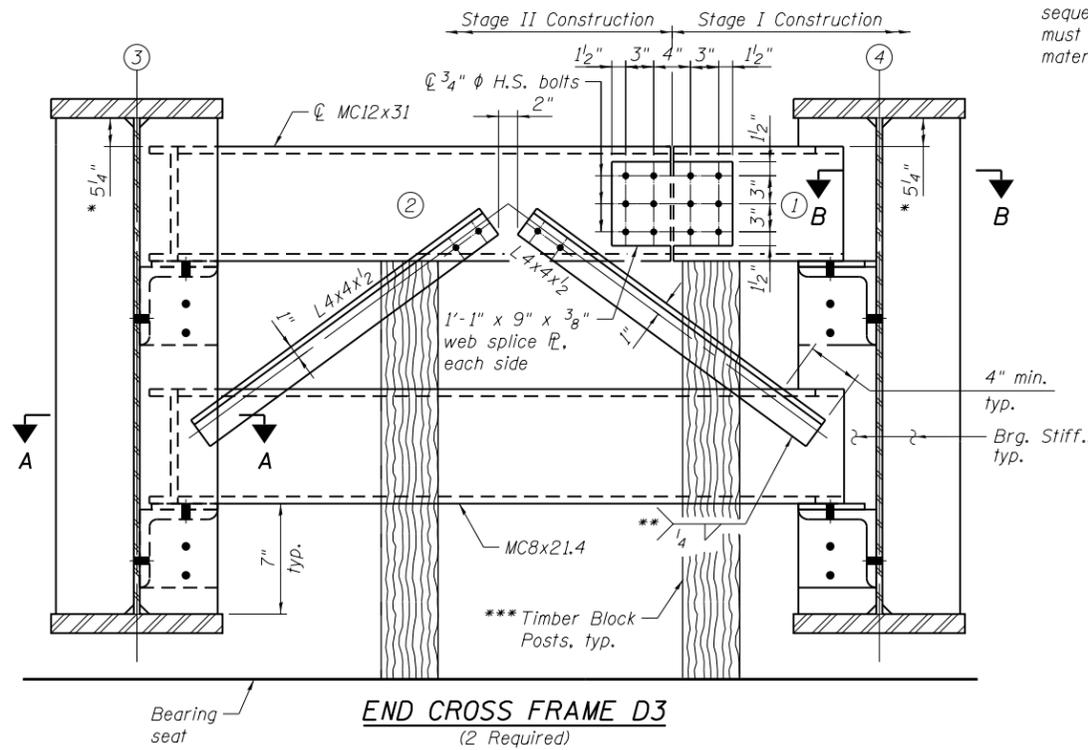
All cross frames between girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.

Each hole for all cross-frame connection bolts shall be 1/16" φ unless noted otherwise.

Two hardened washers are required for each set of 1/16" φ holes.

For Sections A-A & B-B, see Sheet S-23.

The Contractor may submit an alternate stage construction sequence for End Cross Frame D3. Any alternate sequence must be approved by the Engineer prior to ordering any material.



* Measured at ϕ Web

** 3 sides, to back face of channel only, typ.

*** Cost included with Furnishing and Erecting Structural Steel.

SUGGESTED STAGE CONSTRUCTION SEQUENCE

- Order MC12 in two sections.
- Attach section ① of MC12 to Girder 4.
- Place Timber Block Posts between section ① of MC12 and abutment bearing seat before Stage I deck pour.
- Attach section ② of MC12 to both Girder 3 and section ① of MC12 with splice plates.
- Place Timber Block Posts between section ② of MC12 and abutment bearing seat, halfway between splice and Girder 3, before Stage II deck pour.
- Remove Timber Block Posts and install lower portion of cross-frame after Stage II deck pour.

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
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USER NAME =	DESIGNED - BAK	REVISED -
PLOT SCALE =	CHECKED - TL	REVISED -
PLOT DATE = 03/29/2013	DRAWN - MTR	REVISED -
	CHECKED - BAK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS II
STRUCTURE NO. 016-2470

SHEET NO. S-22 OF S-53 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	397
CONTRACT NO. 60J12				

ILLINOIS FED. AID PROJECT