

END CROSS FRAME D3 SUGGESTED STAGE CONSTRUCTION SEQUENCE

STAGE LINE END CROSS FRAME D3 (2 Required)

1. Order C12 in two sections.

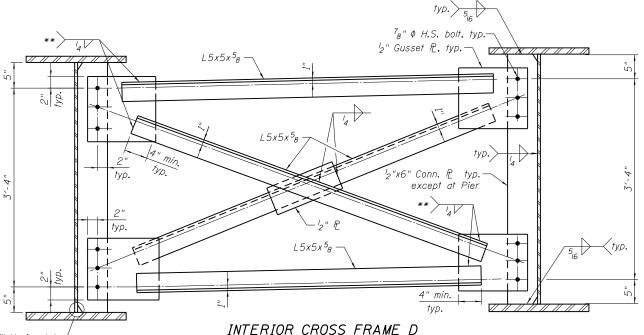
2. Attach section 1 of C12 to Girder 4.

Bearing -

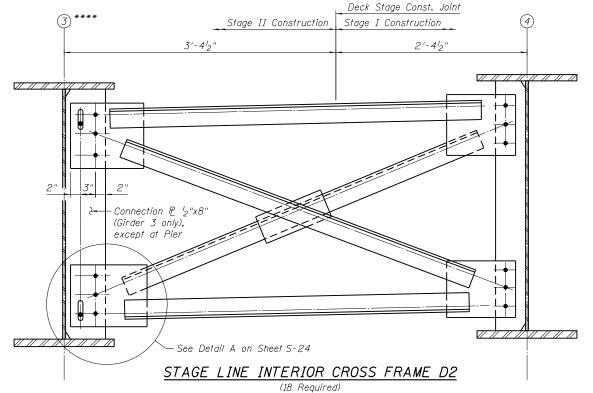
- 3. Place timber block posts between section 1 of C12 and abutment bearing seat before Stage I deck pour.
- 4. Attach section 2 of C12 to both Girder 3 and section 1 of C12 with splice plates.
- 5. Complete end cross frame D3 installation as shown prior to Stage II Deck Pour.
- ** 3 sides, on one face of gusset Por channel only, typ.
- *** Cost included with Furnishing and Erecting Structural Steel.

* Measured at © Web

**** Girder 3 shown in location corresponding to after the Stage II deck pour.



Clip 1" Horizontal x 2^l₂" Vertical Top & Bott., typ.



Notes:

- 1. All members of cross frames shall be AASHTO M 270 Grade 50 and shall conform to the Impact Testing Requirement, Zone 2.
- 2. See Sheet S-21 for cross frame locations.
- 3. 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.
- 4. Each hole for all cross-frame connection bolts shall be $^{\rm 15}_{\rm 16}$ " ϕ unless noted otherwise.
- 5. Two hardened washers are required for each set of holes.
- 6. For Sections A-A & B-B, see Sheet S-24.
- 7. 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.
- 8. The Contractor shall either: Ream cross frame connection holes during shop a. assembly, or

Provide detailing and fabrication controls acceptable b. to the Engineer which ensures accuracy such that field reaming will not exceed the amount permitted in Article 505.08(I) of the Standard Specifications.

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DESIGNED - IYL REVISED CHECKED - BAK REVISED DRAWN - MTR REVISED PLOT DATE = 03/29/2013 CHECKED - IYL REVISED

DEPART

DETAILS II 6-2471

SECTION COUNTY COOK 631 516 94 2012-059-BR CONTRACT NO. 60J12

STATE OF ILLINOIS TMENT OF TRANSPORTATION	STRUCTURAL STEEL DETAILS
	STRUCTURE NO. 016–2471
	SHEET NO. S-23 OF S-63 SHEETS

(See Interior Cross Frame D for details and dimensions not shown)