

TYPICAL END CROSS FRAME CF1

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



Note:

End Cross frames at the Stage Line shall be installed after Stage I deck pour. See Stage III Deck Pour and Closure Sequencing on sheet S28 of S49. Timber block posts shall be used to support Stage I concrete formwork at the Abutments. Contractor shall apply grout to the top of the top channel of the end cross frames to ensure full contact between the Stage I concrete deck and the top of the channel of the end cross frames. Cost of timber block posts and grout shall be included in Furnishing and Erecting Structural Steel.

TYPICAL INTERIOR/END CROSS FRAME CF3

* ⁵₁₆" (between Splice 1 & 2)



€ Girder

Notes:

See framing plan on sheet S21 of S49 for location of girder cross frames,

For Detail 3 and Sections A-A and B-B, see sheet S28 of S49. AASHTO M270 Grade 50 steel shall be used for all cross frames, connection plates, and bearing stiffeners, unless otherwise noted.

Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.

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

The calculated deflections of the primary girders under steel self-weight shall be used to detail the cross frame connections, and to erect the structural steel such that girders will be plumb within a tollerance of ±¹/₈" per vertical foot throughout the length of the girder system when supporting their own weight.

No connection plate on exterior side of exterior girders.

	USER NAME =	DESIGNED - MAH	REVISED		STEEL DETAILS	F.A.P.	SECTION	COUNTY	TOTAL SHEET
COLLINS 13 % BODE Dr. Chicogo 11 6666 ENGLINE COLLING 11 6666 ENGLINE COLLING 12 706-9300 ENGLINE COLLING FIRM LICENSE NO. 184-800493		CHECKED - LDB	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1322	0383	0303-474HB-R	СООК	368 218
	PLOT SCALE =	DRAWN - DR	REVISED					CONTRACT	NO. 60F63
	PLOT DATE =	CHECKED - JMH	REVISED		SHEET NO. S26 OF S49 SHEETS	ILLINOIS FED. AID PROJECT			



GIRDER SELF-WEIGHT DEFLECTION DIAGRAM

See Screed Dimension Layout Table on sheet S8 of S49 for span lengths.

GIRDER SELF WEIGHT DEFLECTIONS

Location	Girder									
Locarion	1	2	3	4	5	6	7			
d b c d e f f h j	۲ <u>,58</u> ,28,	7814 341818 - 81818 - 1818 - 1418 - 1	138"" 158" - 4"" - 4""" - 4"""" - 4""""" - 4""""""""""	38"," 88"," 88"," 80,80,80,80,4,4,4,4,4,4,4,4,4,4,4,4,4,4,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	78 8 8 8 8 8 8 8 8 8	1636			

(Sheet 1 of 3)