

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP Rte 614	144(B-1)	Cass & Mason	351	181
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

SHEET NO. 45
86 SHEETS

The drawing shows a truss structure for the End Cross Frame CF-5. Key components and dimensions include:

- Top Chord:** W12x40 beam, 5'-9 1/2" (at Rt. Angles to C Girders) long.
- Bottom Chord:** L 4 x 4 x 1/2, 3'-2 3/4" long.
- Diagonal Members:** L 3 x 3 x 5/8, 6'-0" long.
- Vertical Members:** L 6 x 4 x 1/2, 3'-0" long.
- Labels:** "Level across structure", "Bearing Stiffener", "Typ.", "Min.", "Mill to Bear", "END CROSS FRAME CF-5 (AT PIER 6 & S. ABUT.)", "(10 Required - Unit 3)".
- Dimensions:** 2'-10 3/4" (at Rt. Angles to C Girders), 6" Min., 3" Min., 4" Min., 1" Min., 4" Min., 6" Min., 4" Min., 3'-2 3/4", 3' Min.

Technical drawings of a reinforced concrete wall and foundation. The top drawing is a plan view of a 12' x 10' wall section showing reinforcement layout with 6 bars at 24 inches spacing, 3-inch minimum spacing, and 4-inch bar diameter. The middle drawing is a side elevation showing the wall's vertical profile with 2 #5 bars at 5 inches spacing, 2 #5 bars at 13 1/2 inches spacing, and 2 #5 bars at 5 inches spacing. The bottom drawing is a plan view of the foundation showing reinforcement layout with 6 bars at 24 inches spacing, 3-inch minimum spacing, and 4-inch bar diameter. Dimensions are given in feet and inches.

UNIT 3 - STRUCTURAL STEEL DETAILS (Sheet 1 of 2)
F.A.P. 614 (IL 78) OVER SANGAMON RIVER
PUBLIC WATERS
CASS & MASON COUNTIES
SECTION 144 (B-1)
STA. 913+26.00
STRUCTURE NUMBER 009-0510
PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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 HANSON Hanson Professional Services Inc.	JOB NO. 07S2026
	DATE 03/27/09

LAYOUT	MPT/MMM	09/12/08
DRAWN	Rod	09/30/08
REVIEWED	TEH	09/30/08

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