



Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pad shall be bonded to the substructure.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).

Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note: Connect beams in pairs with the transverse tie configuration shown.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1,224
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PD-2148-RD 7-1-10

FILE NAME = 110175-shr-bridge.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLAY COUNTY HIGHWAY DEPARTMENT	21" x 48" PPC DECK BEAM DETAILS STRUCTURE NO. 013-3238	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 355 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -			355	07-11130-00-BR	CLAY	29	22
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184-000809	PLOT DATE = 3/7/2012	DRAWN - D.T.M.	REVISED -			STANFORD ROAD DISTRICT		CONTRACT NO. 95667		
		CHECKED - S.W.M.	REVISED -			SHEET NO. 4 OF 11 SHEETS		CONTRACT NO. 95667		[ILLINOIS] FED. AID PROJECT BR05-002510701