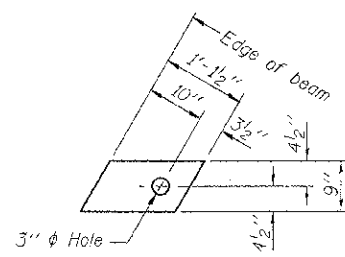


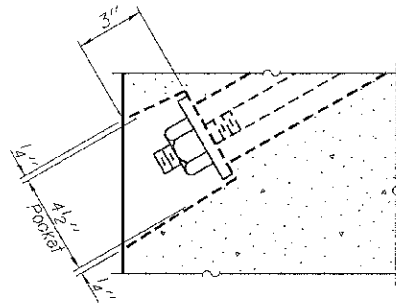
FABRIC BEARING PAD
(Interior - 16 Req'd.)



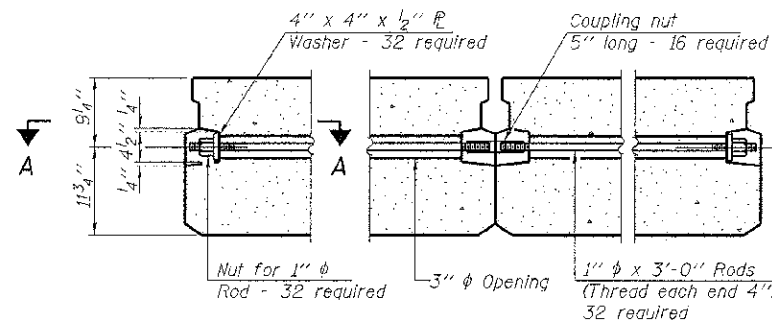
FABRIC BEARING PAD
(Exterior - 4 Req'd.)

FIXED

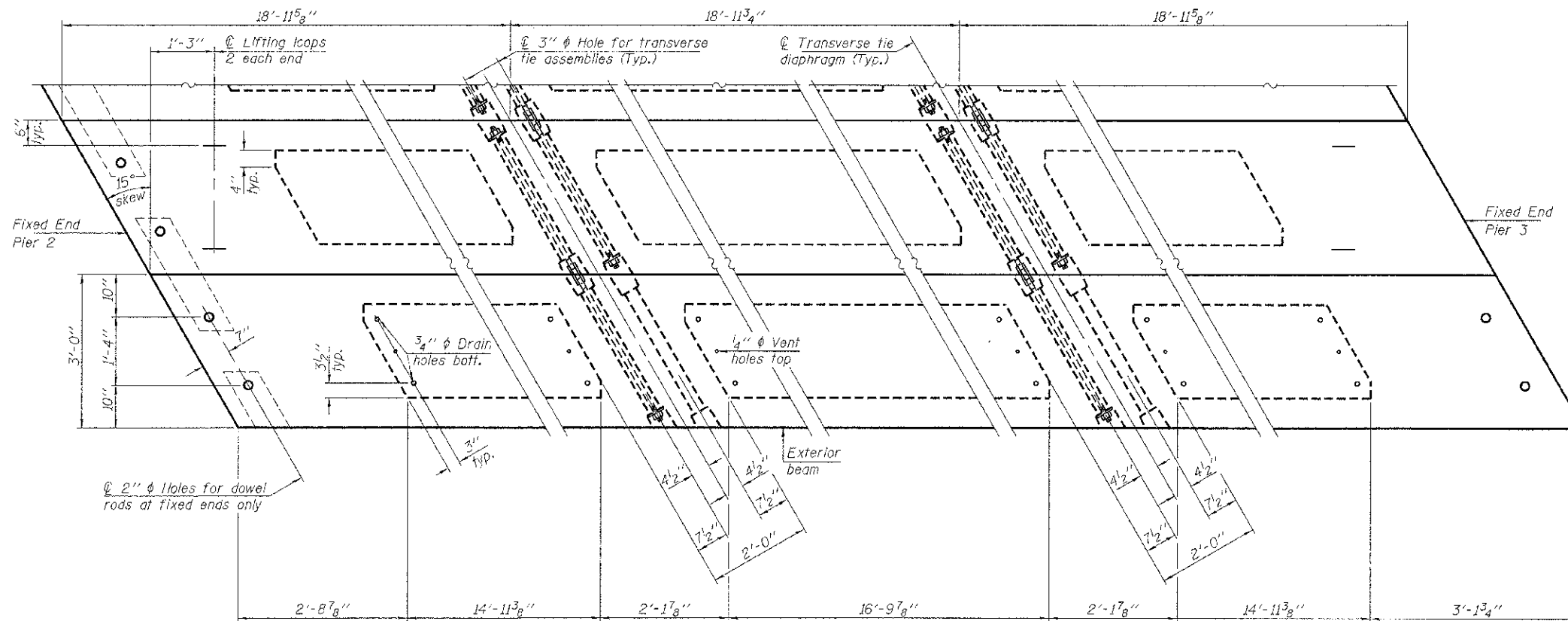
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

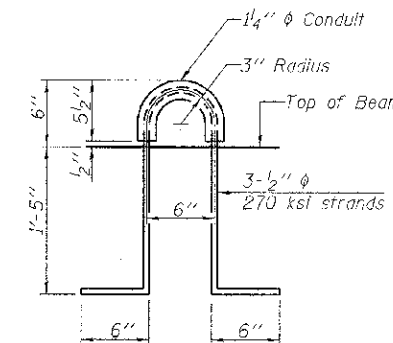


PLAN VIEW

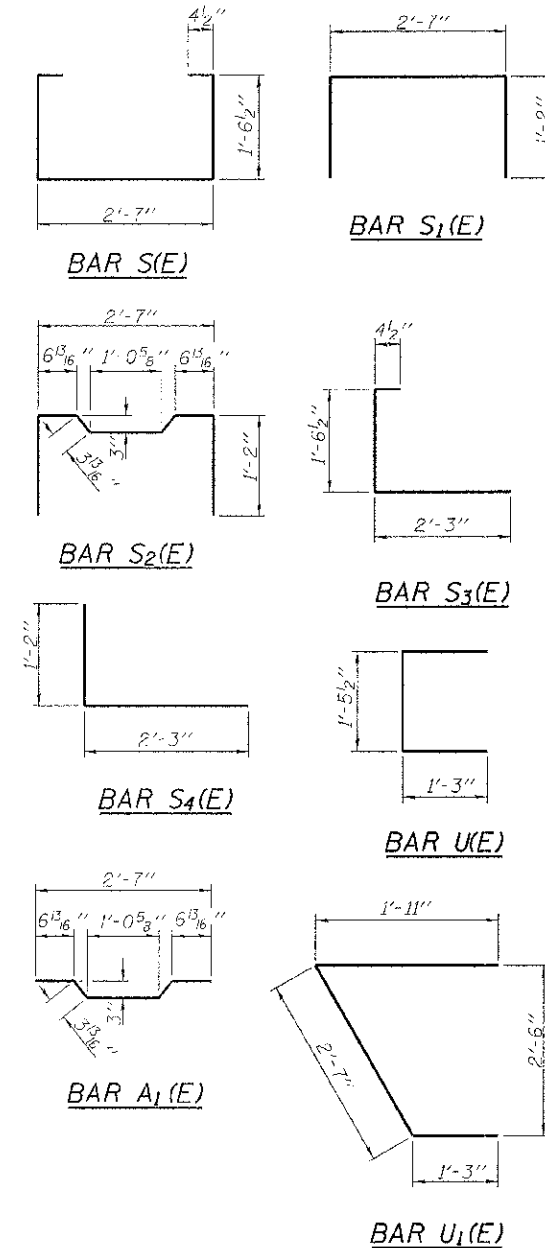
NOTES

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

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 bridges 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 1/2" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" phi lifting pin shall be used to engage the lifting loops during handling.
Corrosion inhibitor, per Article 1020.05(b)(12) and 1021.07 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.
All bars shall be epoxy coated.



LIFTING LOOP DETAIL



BILL OF MATERIAL - SPAN 3

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1,537
Hot-Mix Asphalt Surface Course, Mix C, N50	Ton	19
Waterproofing Membrane System	Sq. Yd.	171
P.C. Mortar Fairing Course	Foot	114

PD-2136-RD

7-1-10

FILE NAME - 128127-chv-bridge.dgn	USER NAME -	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3630 STEVENSON DRIVE, SUITE 201		DRAWN - D.A.B.	REVISED -
SPRINGFIELD, ILLINOIS 62770		CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM			
CA 7/PE 7/SC 00RP 7/AL 0000			
PLOT SCALE =			
PLOT DATE = 4/11/2010			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21" x 36" PPC DECK BEAM DETAILS - SPAN 3
STRUCTURE NO. 039-3097

SHEET NO. 10 OF 21 SHEETS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
II	06-00145-00-BR	JACKSON	54	43
MILLINGER ROAD		CONTRACT NO. 99509		
ILLINOIS FED. AID PROJECT				