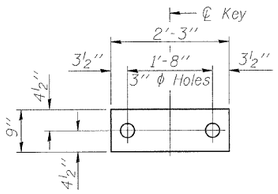
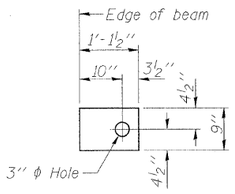


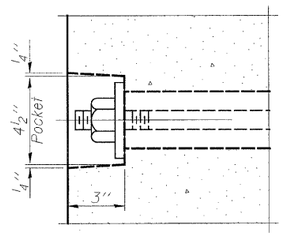
FABRIC BEARING PAD
(Interior)



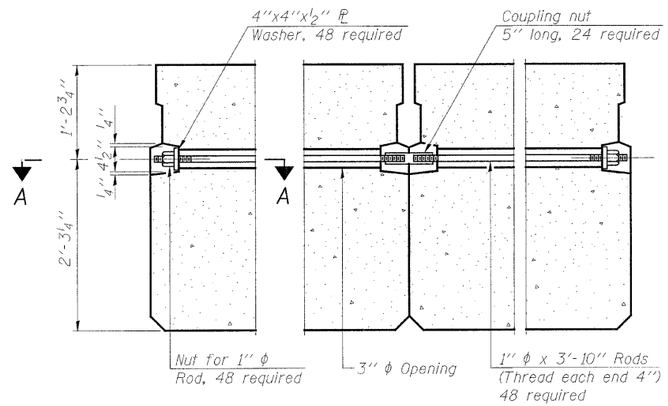
FABRIC BEARING PAD
(Exterior)

FIXED

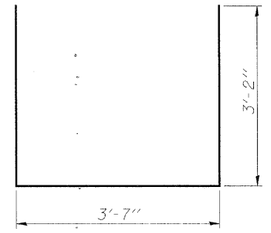
All bearing pads shall be 1" thick.



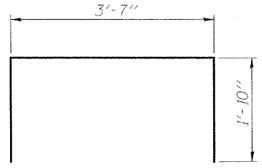
SECTION A-A



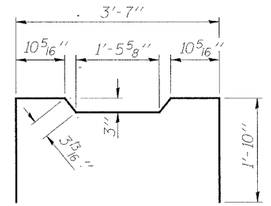
TYPICAL TRANSVERSE TIE ASSEMBLY



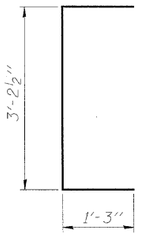
BAR S(E)



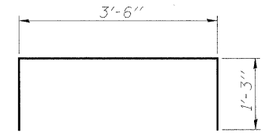
BAR S1(E)



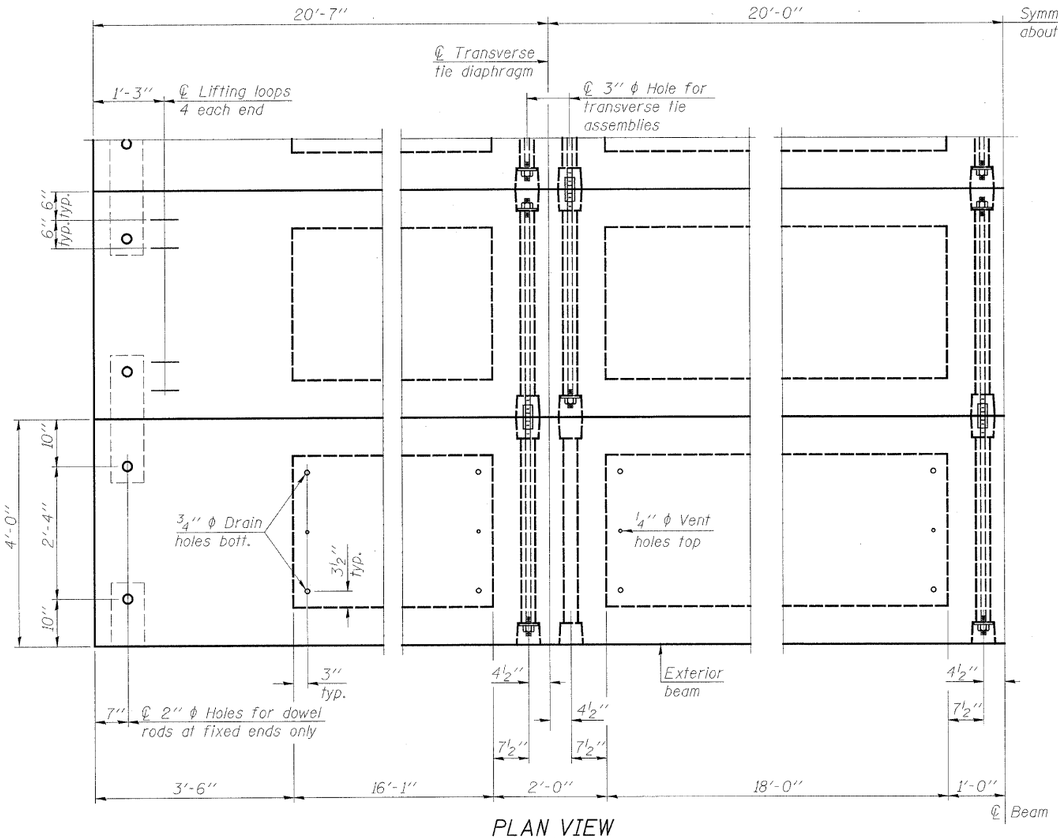
BAR S2(E)



BAR U(E)



BAR U1(E)

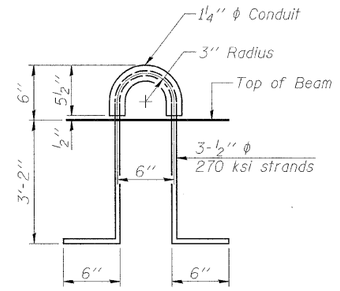


PLAN VIEW

Notes:

Connect beams in pairs with the transverse tie configuration shown.

Unused transverse tie hole on exterior beam can be omitted.



LIFTING LOOP DETAIL

NOTES:

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" ϕ 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 ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" ϕ 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 6,000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5,000 psi.

BILL OF MATERIAL

Item	Unit	Quantity
Precast, Prestressed Concrete Deck Beams (42" Depth)	Sq. Ft.	2,922

42" X 48" PPC DECK BEAM DETAILS
SCOUT CAMP ROAD OVER BR. OF APPLE RIVER
STATION 13+60 (S.N. 043-3276)
SECTION 09-00133-00-BR
JO DAVIESS COUNTY

WHA # 1169D09

STRUCTURAL SHEET NO. 6 OF 12 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	F.A.S. 73	09-00133-00-BR	Jo Daviess	48	26
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

FILE NAME = s:\PROJECTS\ 2009\ 1169D09_JoDaviess\Co_Scout\Comp\R\ DESIGN STRUCTR Drawings\ 1169_Deck_Beam_Details.dgn