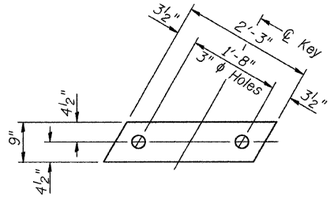
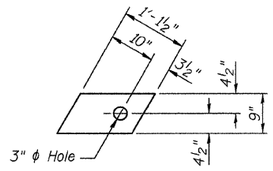
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 9	*	CASS	29	10
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT BRS-580(105)		

*04-00068-00-BR CONTRACT * 93474

SHEET NO. 3 OF 12 SHEETS

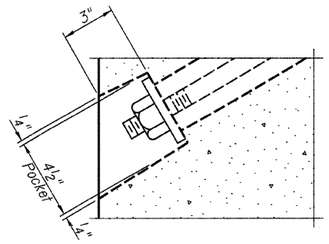


½" FABRIC BEARING PAD
(Interior) 40 required

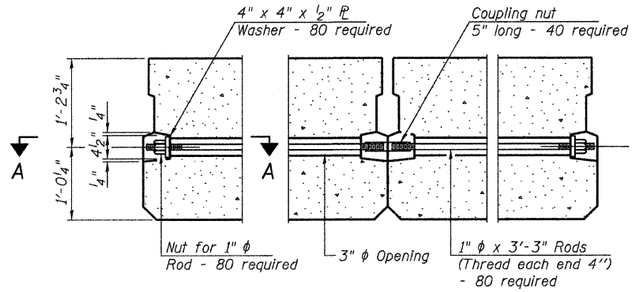


½" FABRIC BEARING PAD
(Exterior) 8 required

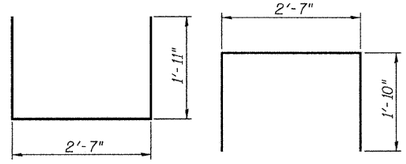
FIXED



SECTION A-A

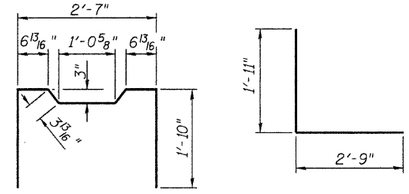


TYPICAL TRANSVERSE TIE ASSEMBLY



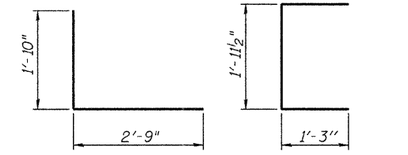
BAR S(E)

BAR S_1(E)



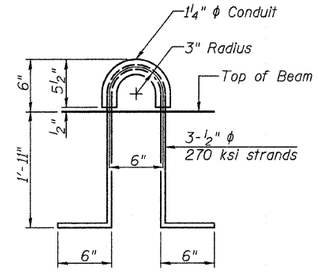
BAR S_2(E)

BAR S_3(E)

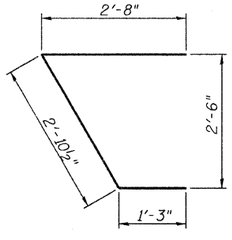


BAR S_4(E)

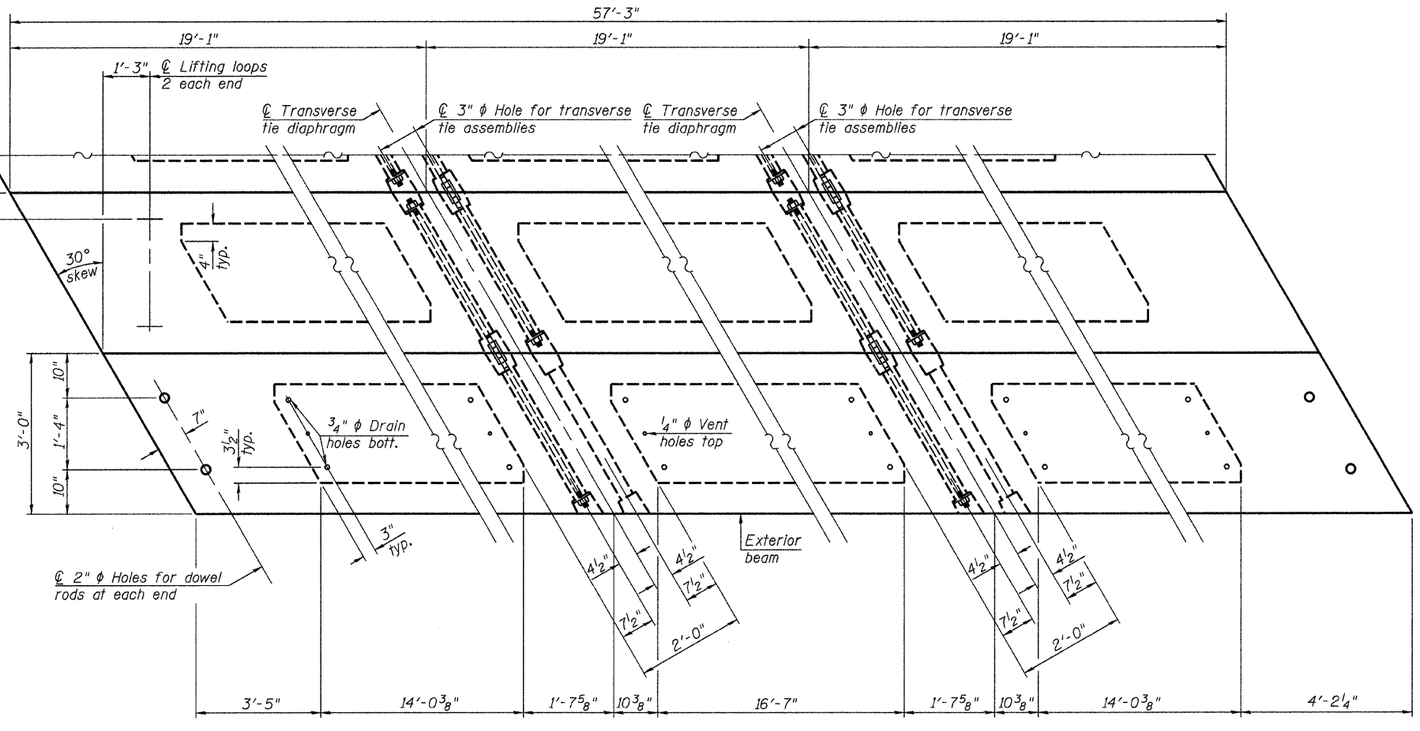
BAR U(E)



LIFTING LOOP DETAIL



BAR U_1(E)



PLAN VIEW

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

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 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL - SPANS 1 & 3

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (27" Depth)	SQ FT	3,779

SUPERSTRUCTURE - SPANS 1 & 3
COUNTY HIGHWAY 9 OVER
INDIAN CREEK
SEC. 04-00068-00-BR
CASS COUNTY
STATION 49+92.52

2417B003