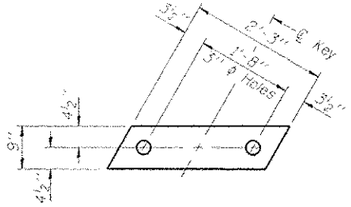
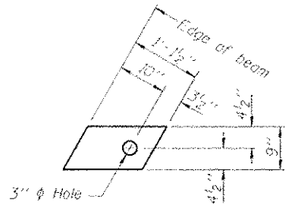


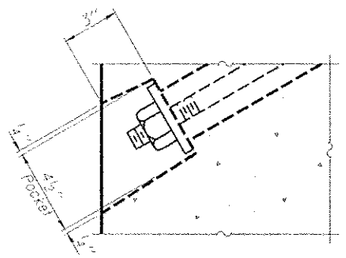
FABRIC BEARING PAD
(Interior)



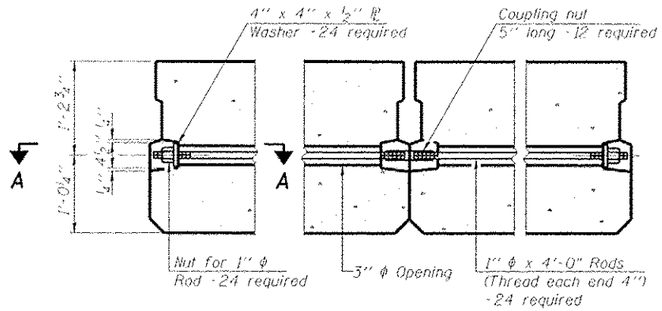
FABRIC BEARING PAD
(Exterior)

FIXED

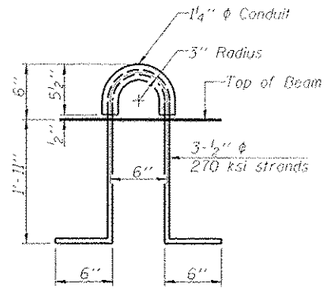
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



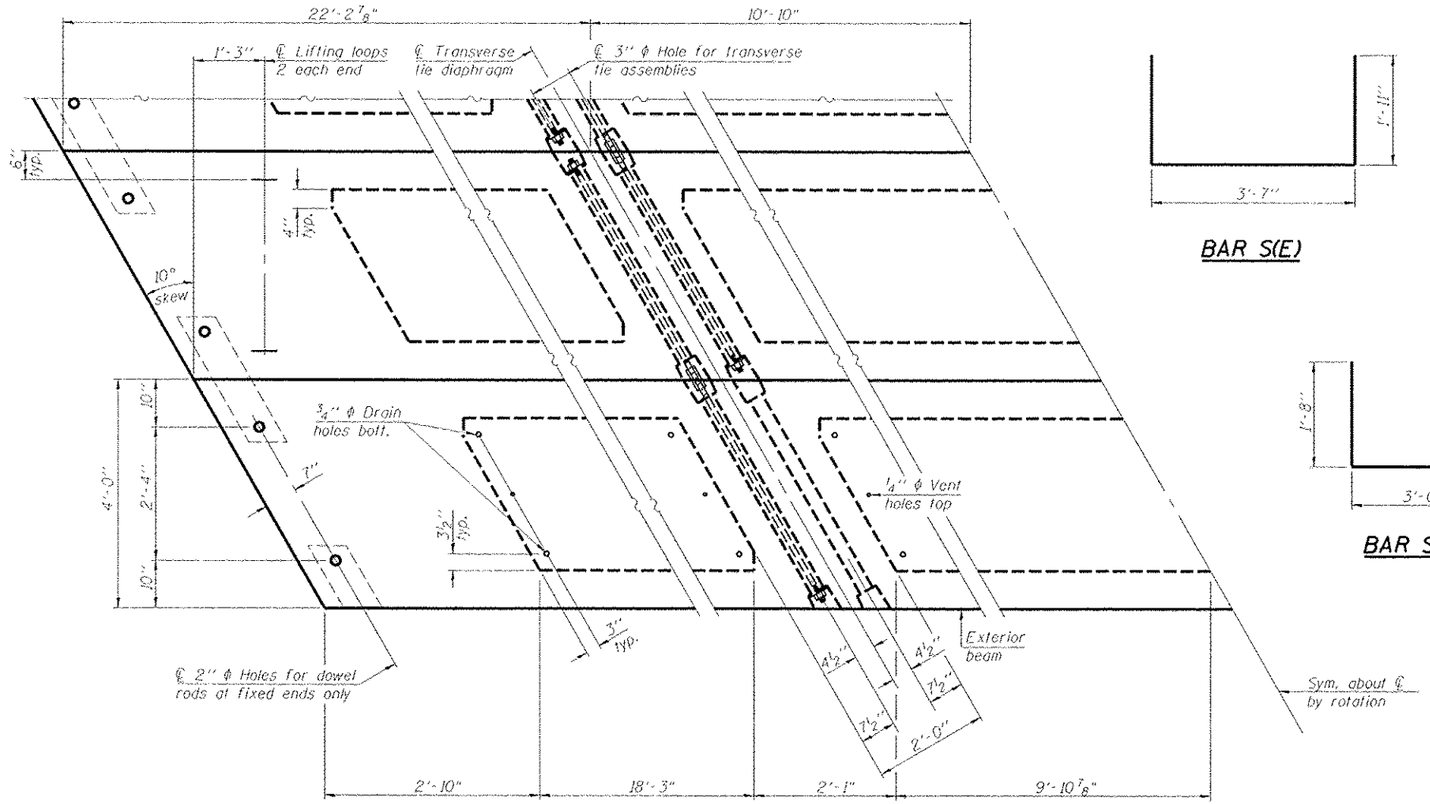
SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



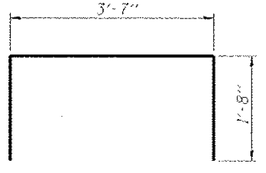
LIFTING LOOP DETAIL



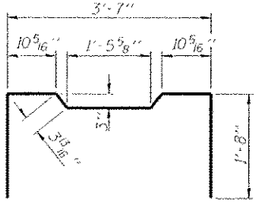
PLAN VIEW

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

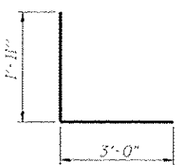
BAR S(E)



BAR S_1(E)



BAR S_2(E)



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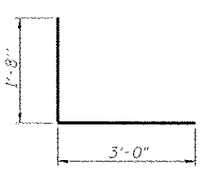

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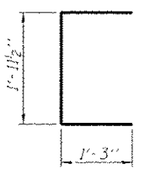
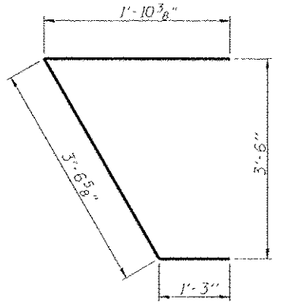


BAR U(E)



BAR U_1(E)

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1852

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.

27" x 48" PPC DECK BEAM DETAILS
STRUCTURE NUMBER 029-3240

03-07-2013
c:\pw\jse.work\d0104_ref_deletions\482550\d233240-89597-SGDS-Superstr_Det2.dgn

LAYOUT	SMK	1/16/13
DRAWN	MDM	3/22/13
PETWENCO	SMK	3/22/13

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JOB NO. 10L0137	SHEET NO. 5	CH	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DATE 3/22/13	9 SHEETS	26	11-00143-00-BR	Fulton	23	14
				CONTRACT NO. 89597		
		FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		