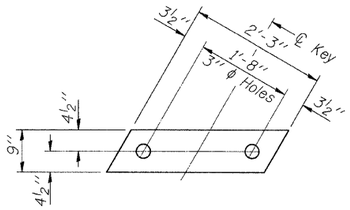
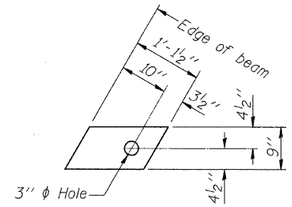


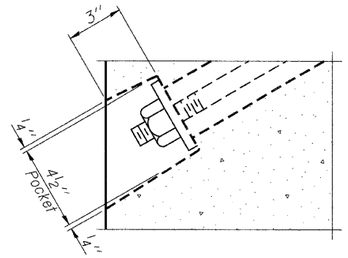
FABRIC BEARING PAD
(Interior)



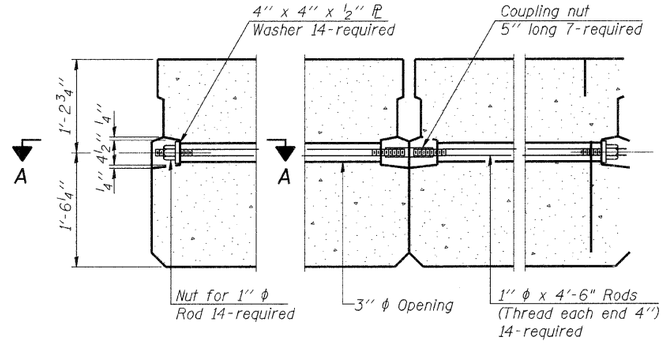
FABRIC BEARING PAD
(Exterior)

FIXED

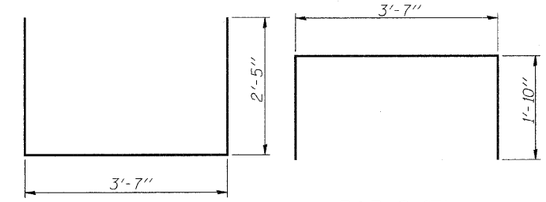
Notes:
All bearing pads shall be 1'' thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A

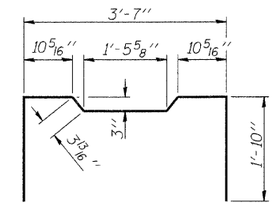


TYPICAL TRANSVERSE TIE ASSEMBLY



BAR S(E)

BAR S1(E)



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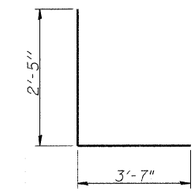
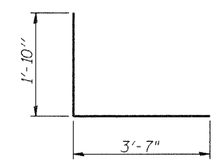


BAR S3(E)



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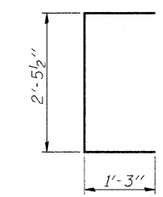
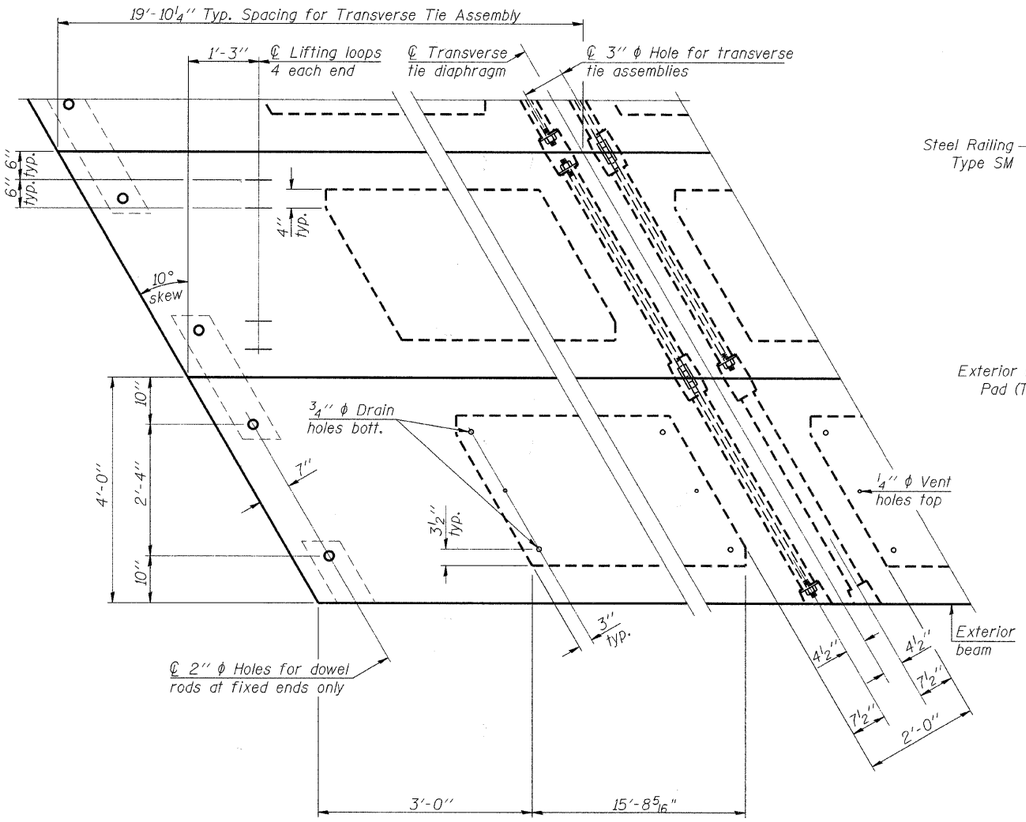
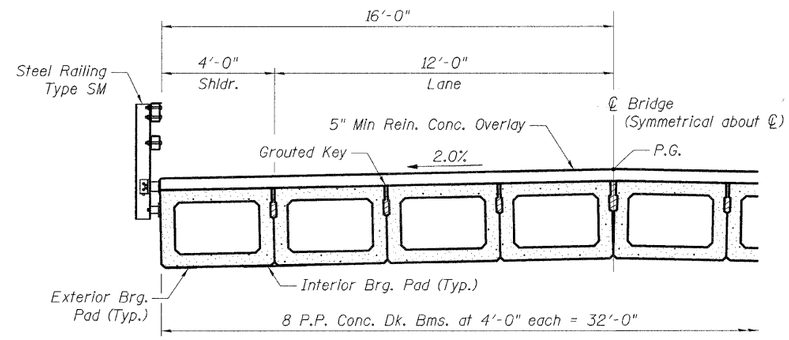


BAR U(E)

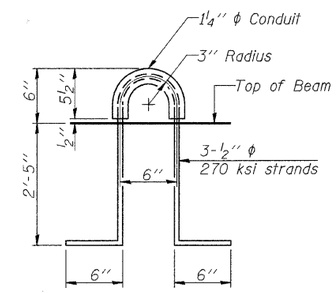


PLAN VIEW

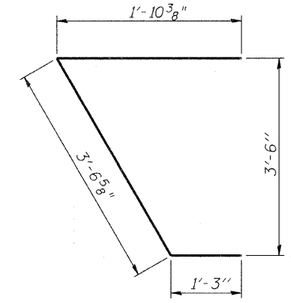
Note: Connect beams in pairs with the transverse tie configuration shown.



HALF CROSS SECTION



LIFTING LOOP DETAIL



BAR U1(E)

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

Precast Prestressed Conc. Deck Bms. (33'' depth)	Sq. Ft.	2,542

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FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JFG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION GREEN GARDEN TOWNSHIP 88TH AVENUE (PEOTONE ROAD)	DECK BEAM DETAILS I	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JFG	REVISED -			N/A	03-07118-00-BR	WILL	43	18
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - KPS	REVISED -					CONTRACT NO. 63156		
	PLOT DATE = 10-25-2010	DATE - 10/27/10	REVISED -		SCALE: N.T.S.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		