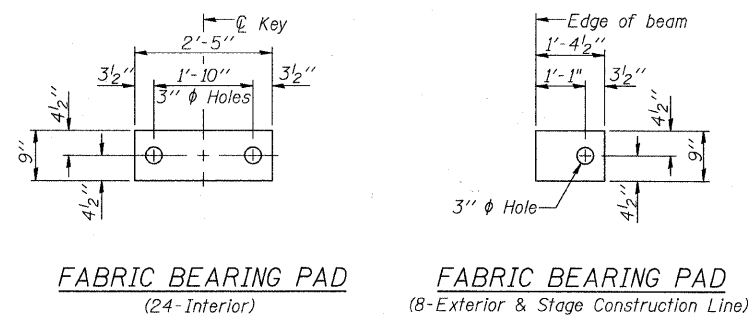
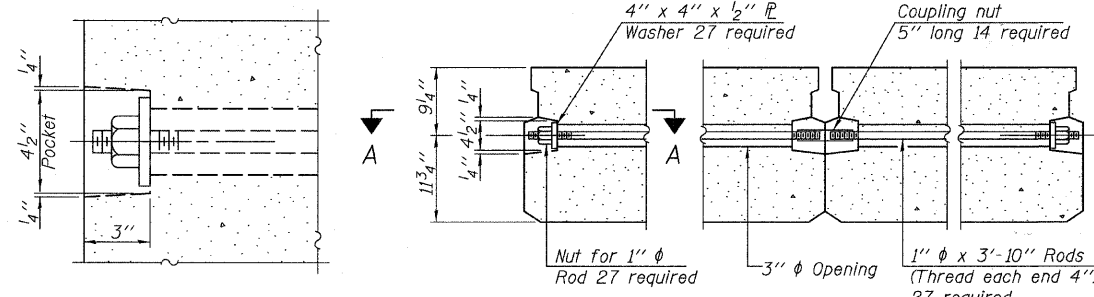


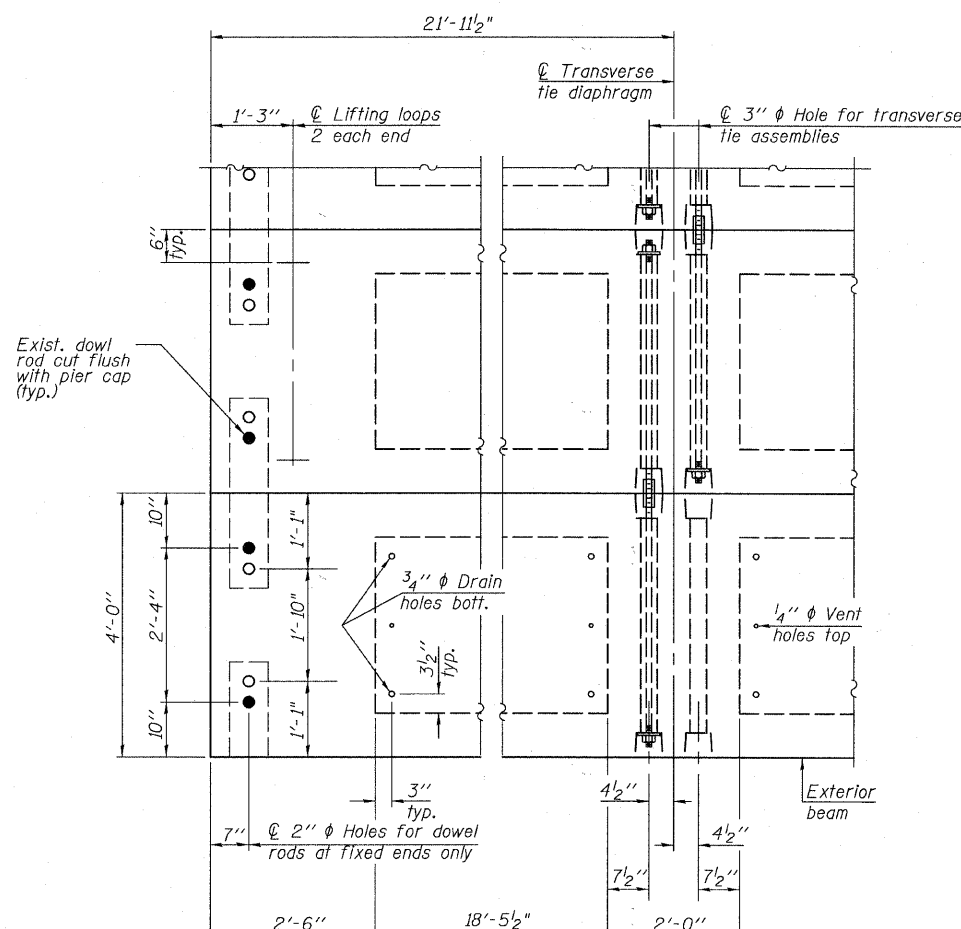


Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pad shall be bonded to the substructure.
 Exterior Fabric Bearing Pad shall be used for the beams along the stage construction line.



SECTION A-A

TYPICAL TRANSVERSE TIE ASSEMBLY



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

Verify existing 1" dowl spacing and existing dimensions in field prior to ordering 21"x48" PPC deck beams.

32'-3 1/2" End Span		43'-11" Center Span	32'-3 1/2" End Span
1		15	29
2		16	30
3		17	31
4		18	32
5		19	33
6		20	34
7		21	35
8		22	36
9		23	37
10		24	38
11		25	39
12		26	40
13		27	41
14		28	42

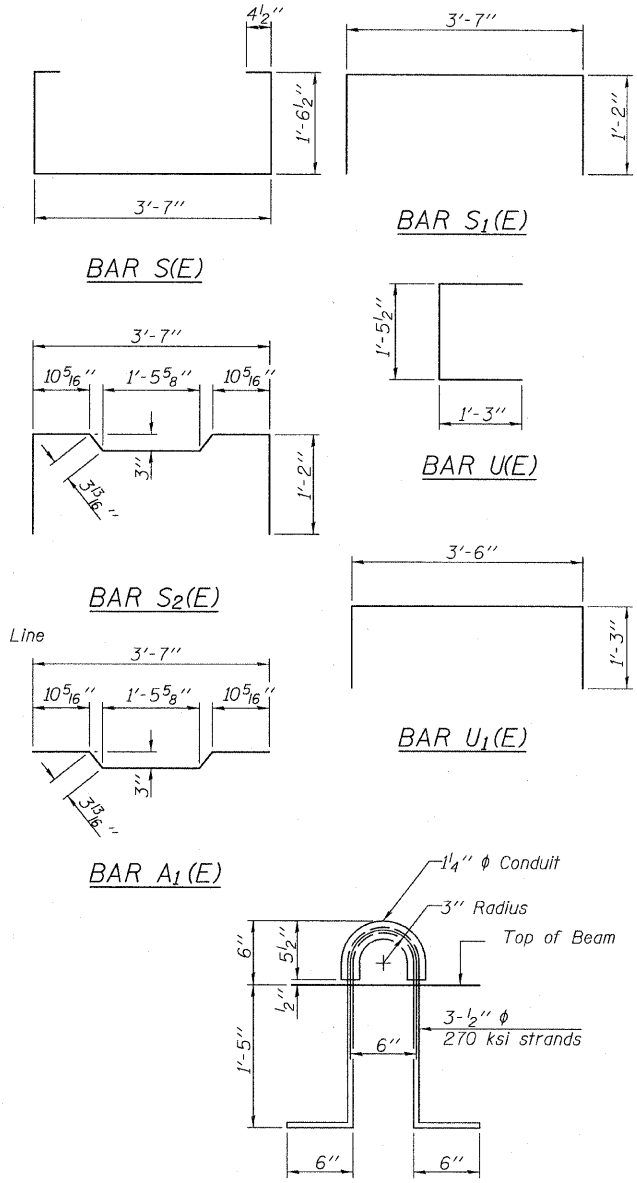
PLAN
(Showing Beam Numbers)

NOTES

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 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 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
 A minimum 2 1/2" 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. (21" depth)	Sq. Ft.	2,459
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SUPERSTRUCTURE DETAILS
21"x48"-22SS PPC DECK BEAM DETAILS-CENTER SPAN
STRUCTURE NO. 099-3322
BEAMS 15 THRU 28

DESIGNED	L. LAWS
CHECKED	J.P.B.
DRAWN	L. LAWS
CHECKED	J.P.B.

URS
 100 South Wacker Drive, Suite 500
 Chicago, IL 60606
 Tel: 312.939.1000
 Fax: 312.939.4198

SHEET NO. S-11 18 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0856	08-00050-00-BR	WILL	26	17
				CONTRACT NO. 63576	
	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				