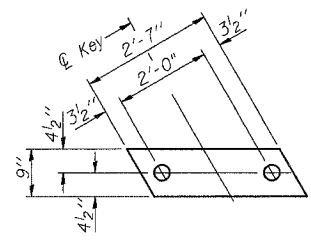
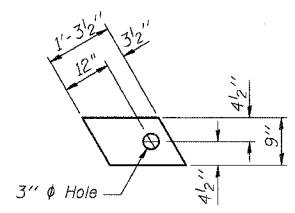


ROUTE NO.	SECTION	COUNTY	YEAR	SHEET	SHEET NO.
FA 782	111BR-1	GALLATIN	73	56	14 SHEETS
FED. ROAD DIST. NO. 7		S. LINE		FED. AID PROJECT-	

Contract #78034

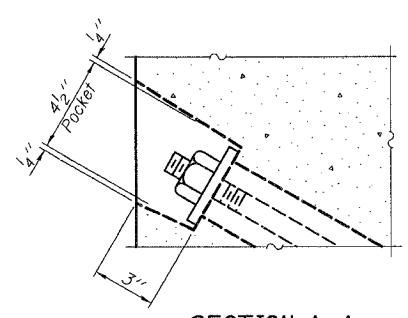


FABRIC BEARING PAD
(Interior)

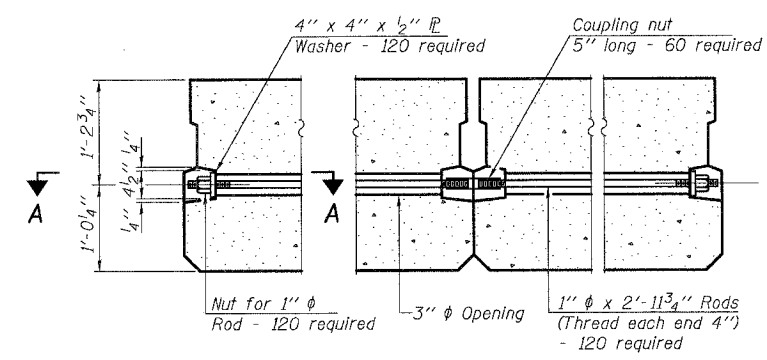


FABRIC BEARING PAD
(Exterior)

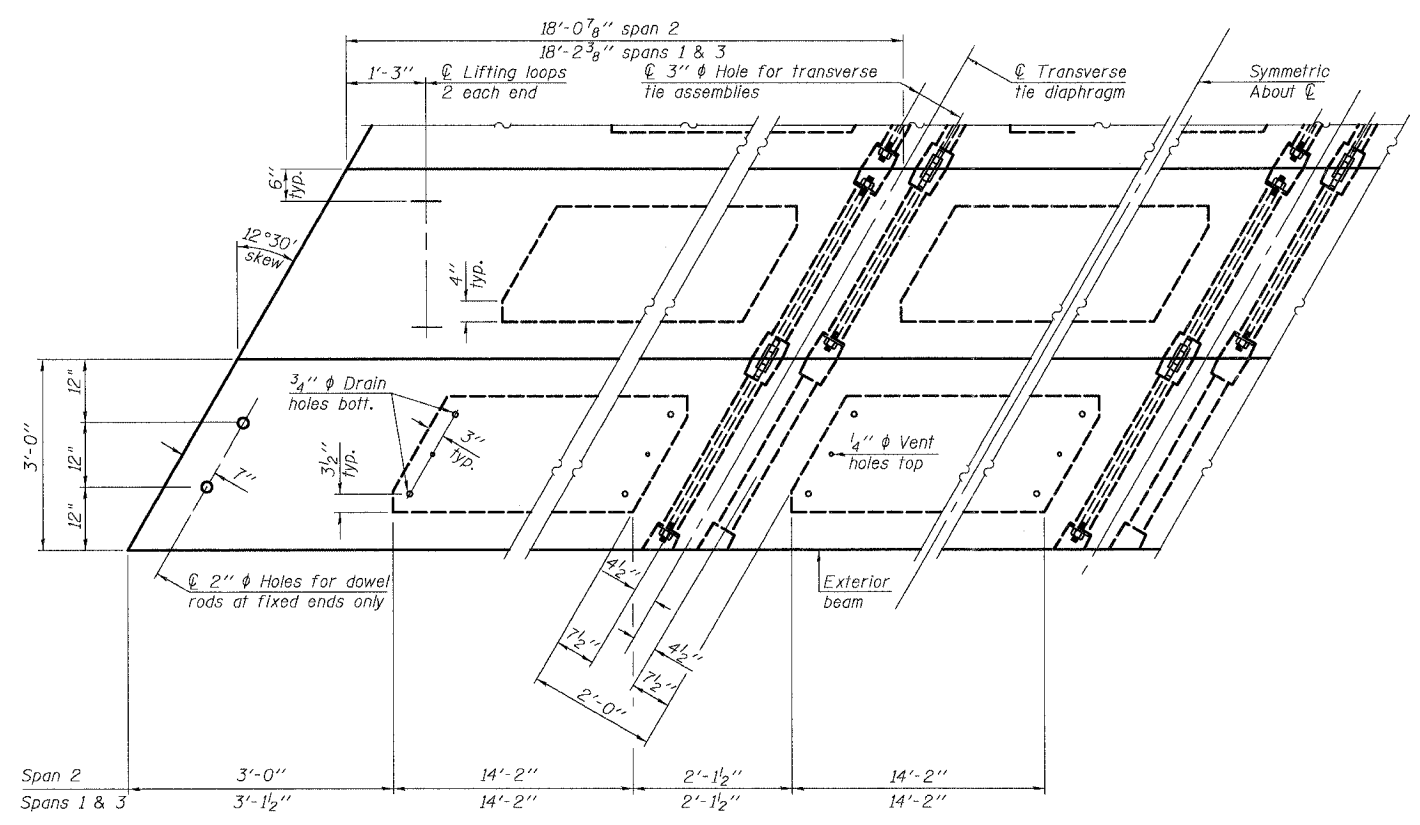
FIXED
Omit holes when using expansion bearings.



SECTION A-A

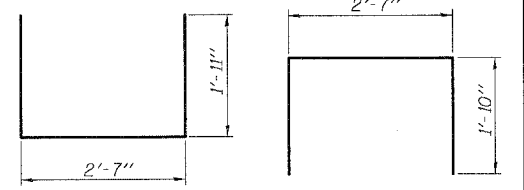


TYPICAL TRANSVERSE TIE ASSEMBLY

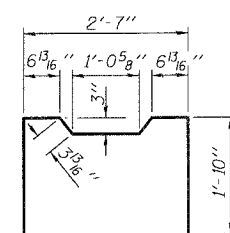


PLAN VIEW

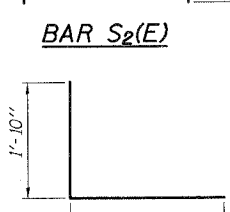
Connect beams in pairs with the transverse tie configuration shown.



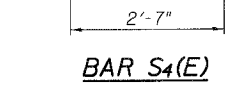
BAR S(E)



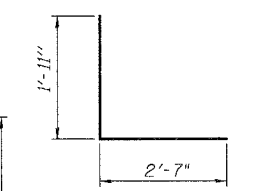
BAR S1(E)



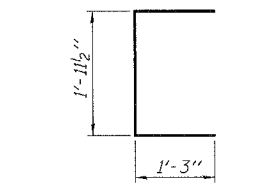
BAR S2(E)



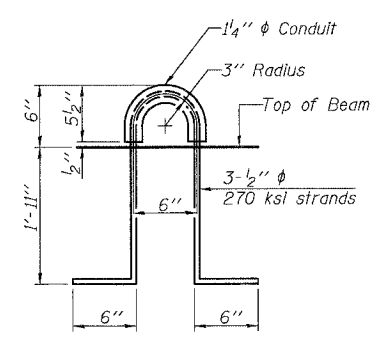
BAR S4(E)



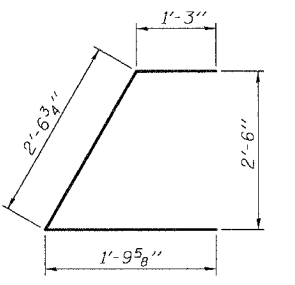
BAR S3(E)



BAR U(E)



LIFTING LOOP DETAIL



BAR U1(E)

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	5210
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BEAM DETAILS
F.A. RT. 782 SECTION 111BR-1
GALLATIN COUNTY
STATION 355+95.00
STRUCTURE NO. 030-0018

PROJECT NO.	07056-4
DATE	4/17/08
DRAWN BY	TFG
CHECKED BY	GB/BD/MCB
DESIGN FIRM	COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703

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 (IL MOD), 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" diameter 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.

DATE = 04/17/2008
DRAWN BY = TFG
CHECKED BY = GB/BD/MCB
USER NAME = TFG

PD-2736-LD 8-29-07