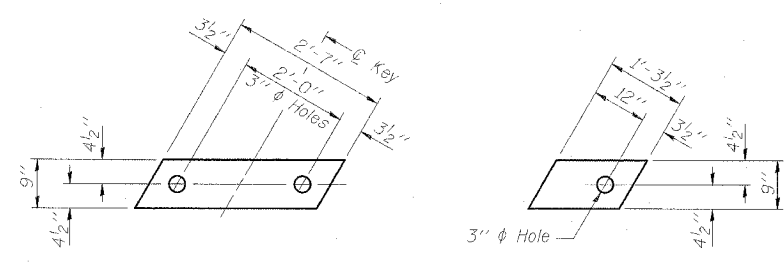


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATION	SHEET	SHEET NO.
FAP 782	110BR-1	WHITE	73	52	17 SHEETS
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT					

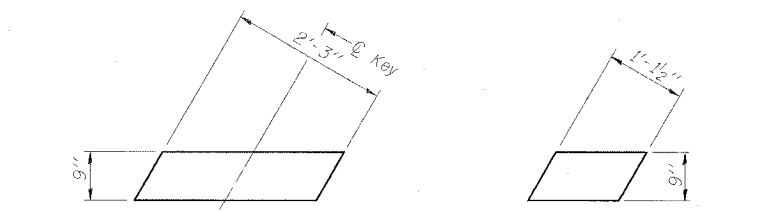
78027



FABRIC BEARING PAD
(Interior)

FABRIC BEARING PAD
(Exterior)

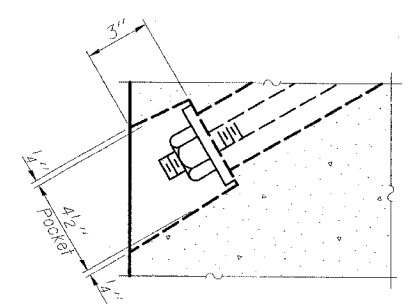
FIXED



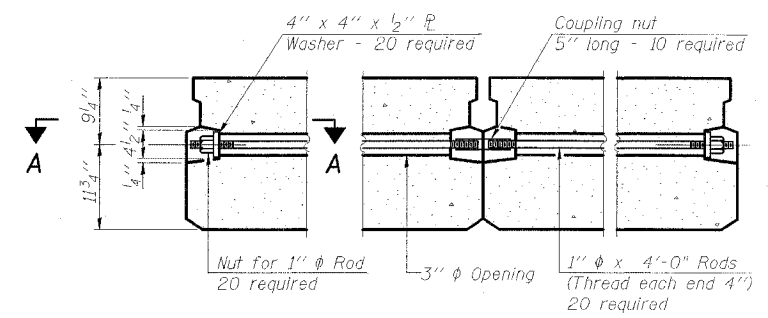
FABRIC BEARING PAD
(Interior)

FABRIC BEARING PAD
(Exterior)

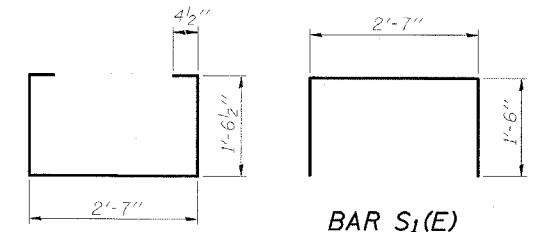
EXPANSION



SECTION A-A

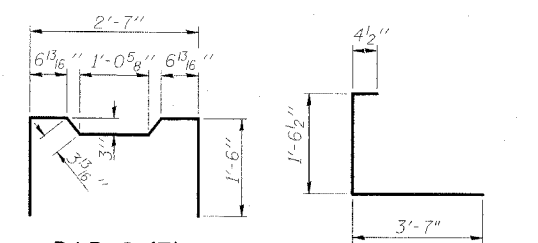


TYPICAL TRANSVERSE TIE ASSEMBLY



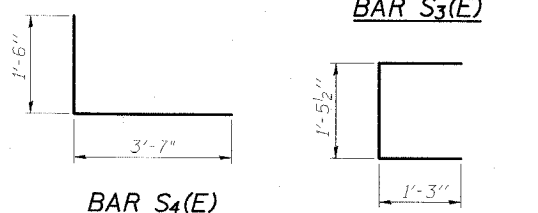
BAR S(E)

BAR S₁(E)



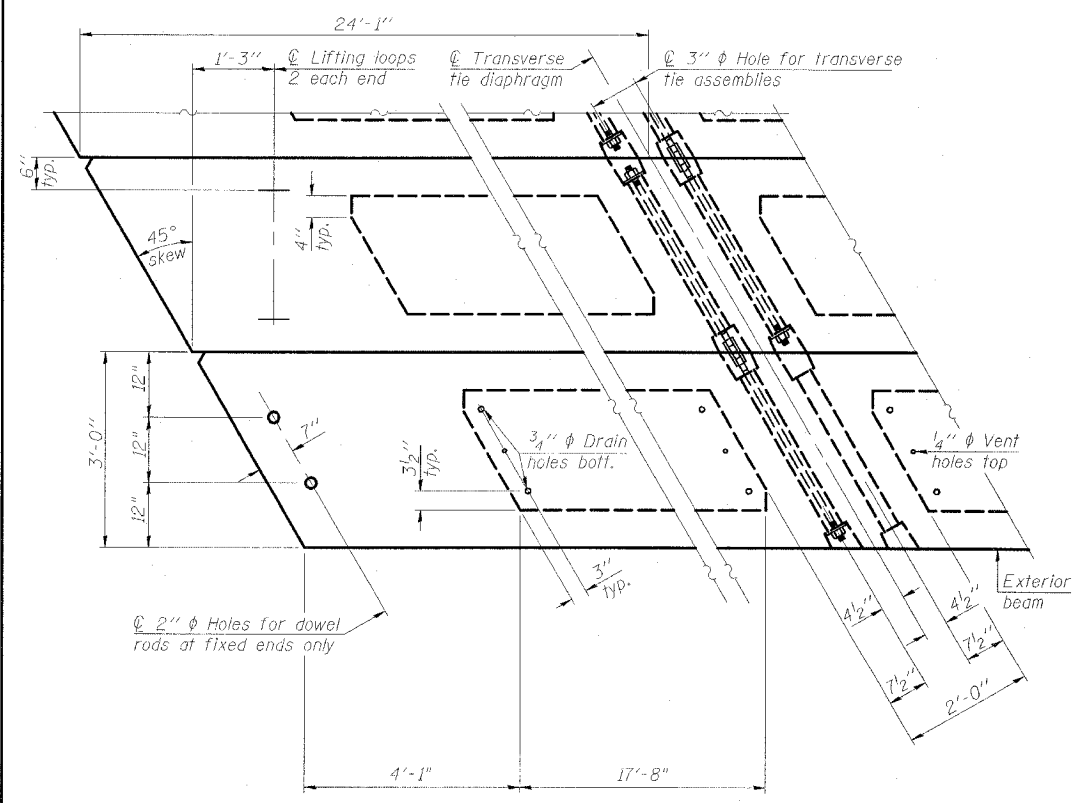
BAR S₂(E)

BAR S₃(E)

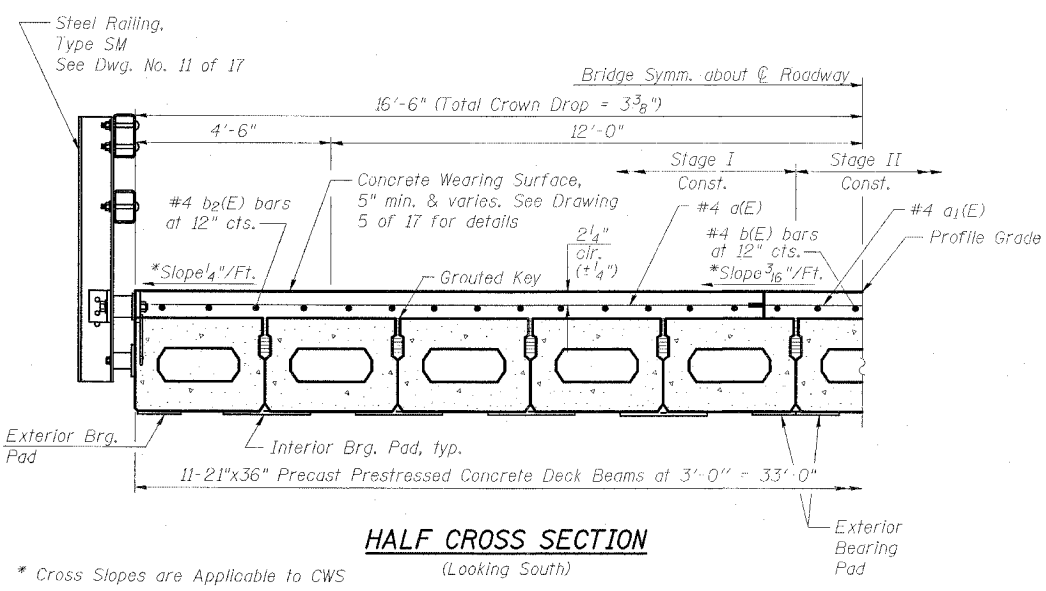


BAR S₄(E)

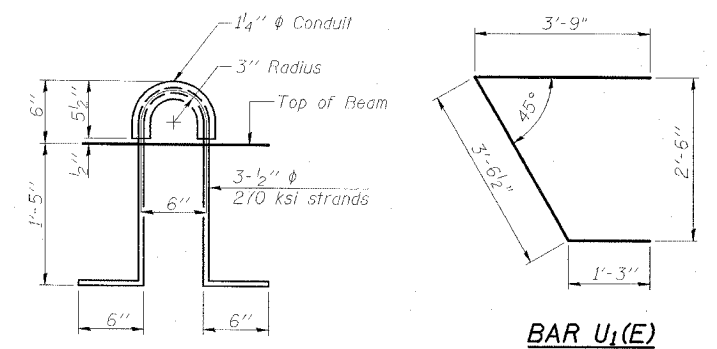
BAR U(E)



PLAN VIEW



HALF CROSS SECTION
(Looking South)



LIFTING LOOP DETAIL

BILL OF MATERIAL

Item	Unit	Quantity
Precast Prestressed Conc. Deck Bms. (21" Depth)	Sq. Ft.	1590

SUPERSTRUCTURE DETAILS
IL 1 OVER INDIAN CREEK
FAP ROUTE 782 - SECTION 110BR-1
WHITE COUNTY
STATION 85+28.00
STRUCTURE NO. 097-0026

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)

All steel components shall be galvanized after fabrication according to article 520.03 of the Standard Specifications.

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.

See Dwg. No. 2 of 17 for location of rail anchors and additional notes.

ESCA
CONSULTANTS, INC.

DESIGNED BY:	DAJ	09/07
DRAWN BY:	HAS	09/07
CHECKED BY:	JMS/ELH	01/08
APPROVED BY:	RDP	01/08

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