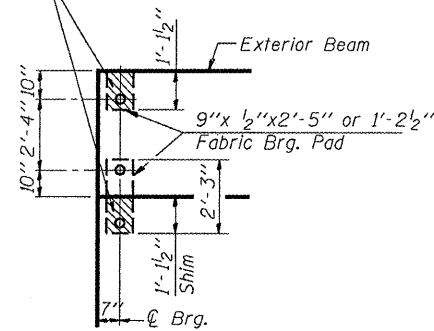


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

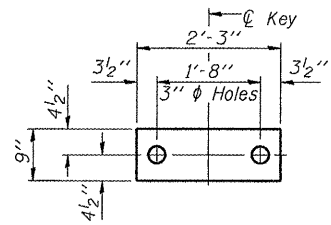
| | | | | |
|-----------------------|----------|------------------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| F.A.S. 863 | | RANDOLPH | | 9 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | 14 SHEETS |

* 06-00039-05-BR

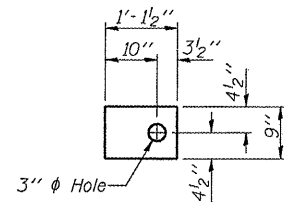
Provide two 1/8" Fabric Shim Pads for each bearing pad location



PAD PLACEMENT PLAN

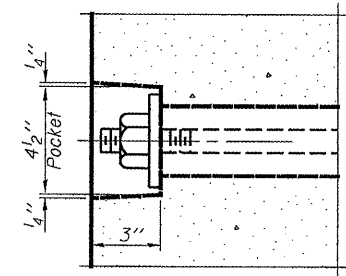


FABRIC BEARING PAD
(Interior)

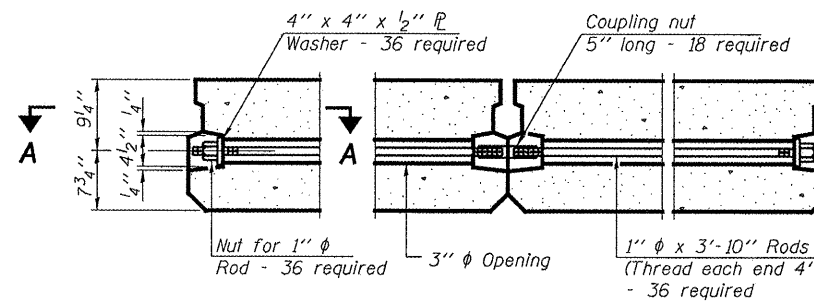


FABRIC BEARING PAD
(Exterior)

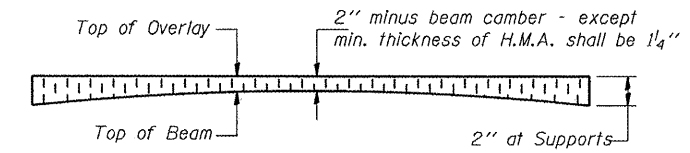
FIXED



SECTION A-A

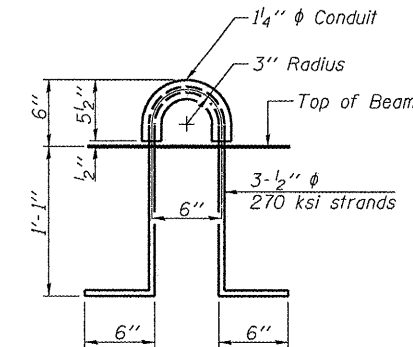


TYPICAL TRANSVERSE TIE ASSEMBLY

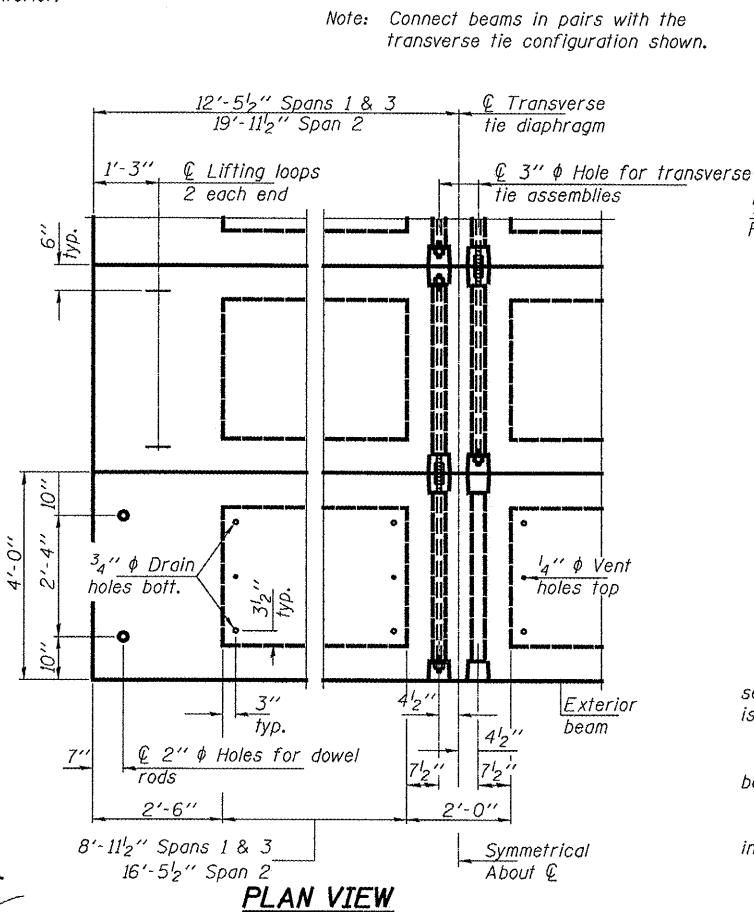


PROFILE OF OVERLAY

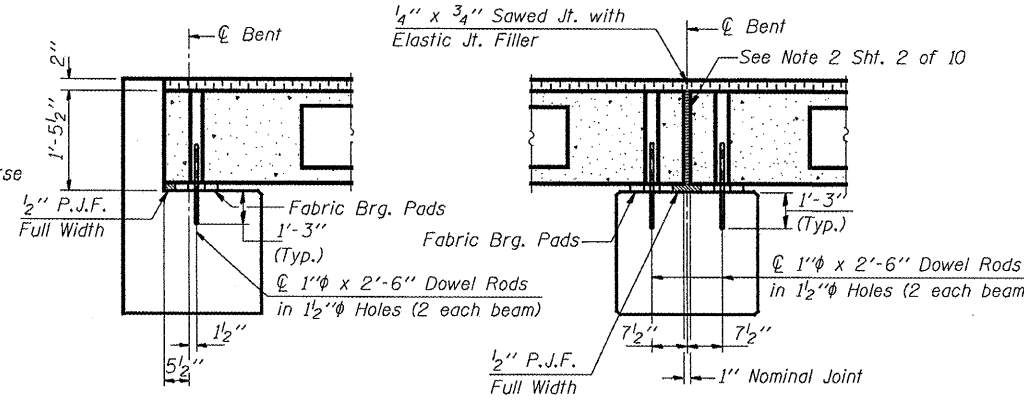
(Thickness of Hot-Mix Asphalt and Waterproofing Membrane)



LIFTING LOOP DETAIL



PLAN VIEW



SECTION AT ABUTS.
(Along \bar{C} Beams)

SECTION AT PIERS
(Along \bar{C} Beams)

QUANTITIES

| | |
|-------------------------------|--------------|
| P.P. Conc. Dk. Bm. 17" Dp. | 2513 Sq. Ft. |
| Waterproofing Membrane System | 280 Sq. Yds. |
| Portland Cement Mortar | 540 Ft. |
| Fairing Course | |

Note: Quantity of overlay = 41.8 Tons

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 (1L 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" 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.

The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

Work this sheet with sheets 3 and 4 of 10

17" X 48" PPC DECK BEAM DETAILS

STR. NO. 079-3195
F.A.S. ROUTE 863 OVER
COX CREEK DRAIN DITCH
SECTION 06-00039-05-BR
RANDOLPH COUNTY
STA. 47+16.90

| | |
|----------|-----|
| DESIGNED | MJT |
| CHECKED | JSB |
| DRAWN | SMS |
| CHECKED | JSB |

May 1, 2008
EXAMINED *Carl Perry*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES