

FABRIC BEARING PAD (Exterior and Stage Constr. Line)

(8 Required)

tie diaphragm

4'-5⁵8"

3" \(\phi\) Hole for transverse

13'-458'

PLAN VIEW

FIXED

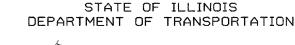
19'-1178"

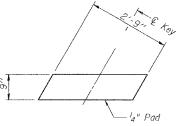
2 each end

1′-3″, € Lifting loops

€ 2" \$ Holes for dowel rods at fixed ends only

(12 Required)





(24 Required)

¼" ¢ Vent holes top

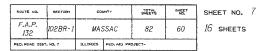
Exterior

FABRIC BEARING PAD FABRIC BEARING PAD (Interior)

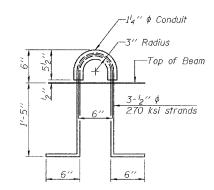
(Exterior and Stage Constr. Line)

(16 Required)

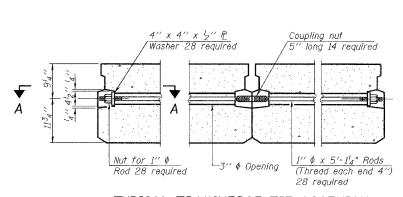
EXPANSION



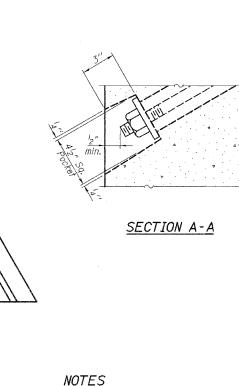
Contract #78032



LIFTING LOOP DETAIL



TYPICAL TRANSVERSE TIE ASSEMBLY



NOTES

See Sheet 4 of 16 for insert details for temporary concrete barrier anchorage during stage construction. See Sheets 12 and 13 of 16 for fascia beam modifications for rail post anchorage.

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be l_2 " and the nominal cross-sectional area shall be 0.153 sq. in. The 1" \$\phi\$ 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

Two 18" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2^{i}_{2} " ϕ lifting pin shall be used to engage the lifting loops during handling. Lifting loops shall be burned off after beams have been erected.

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.

BILL OF MATERIAL

Conc. Deck Bms. (21" Depth) Sq. Ft. 2,559

SUPERSTRUCTURE DETAILS 21" x 48" DECK BEAM DETAILS - 2 ILL. ROUTE 145 OVER MASSAC CREEK F.A.P. ROUTE 132 - SECTION 102BR-1 MASSAC COUNTY STATION 533+27.15 STRUCTURE NO. 064-0008



Note: Connect beams in pairs with the

transverse tie configuration shown.

39°48'20"

skew (Typ.)

CHECKED YSS DRAWN PRC CHECKED RLM

02/04/08