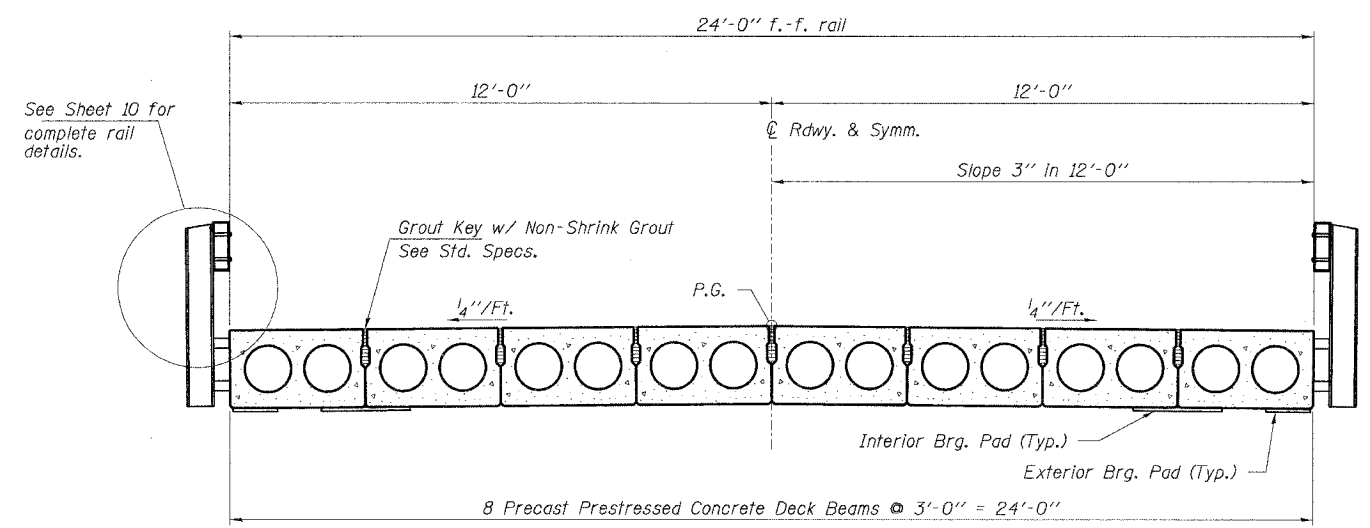
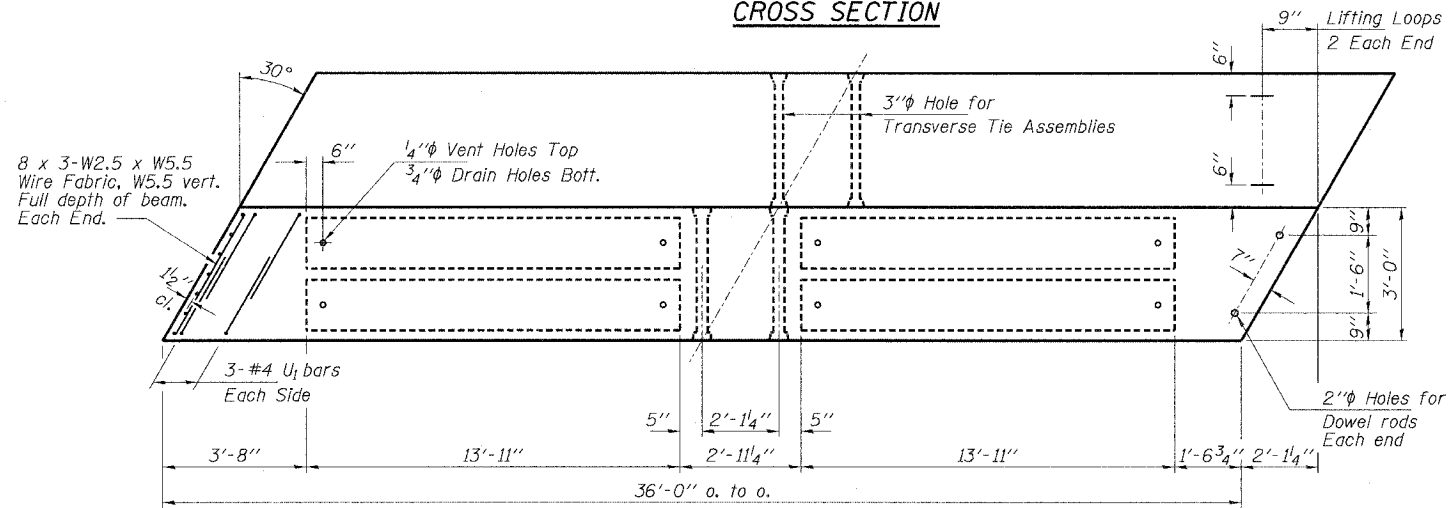


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
F.A.S. 2821	98-16119-00-BR	WAYNE	13	9
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

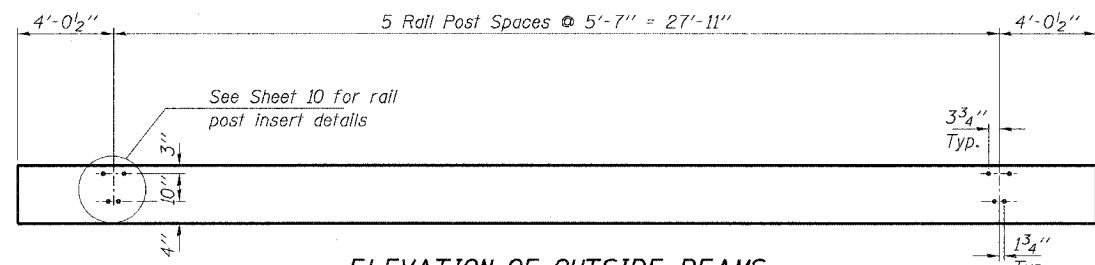
CONTRACT NO. 95415



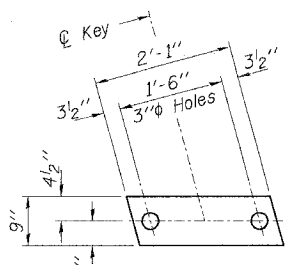
CROSS SECTION



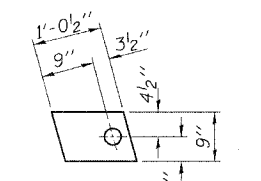
PLAN



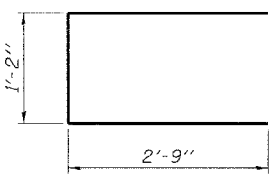
ELEVATION OF OUTSIDE BEAMS
Showing Rail Post Spacing



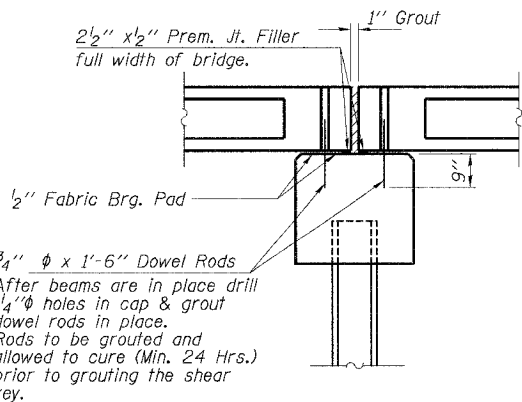
FABRIC BEARING PAD
(Interior - 14 Req'd)



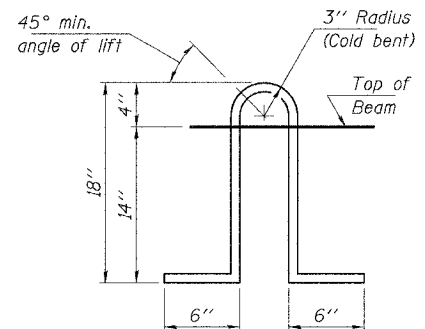
FABRIC BEARING PAD
(Exterior - 4 Req'd)



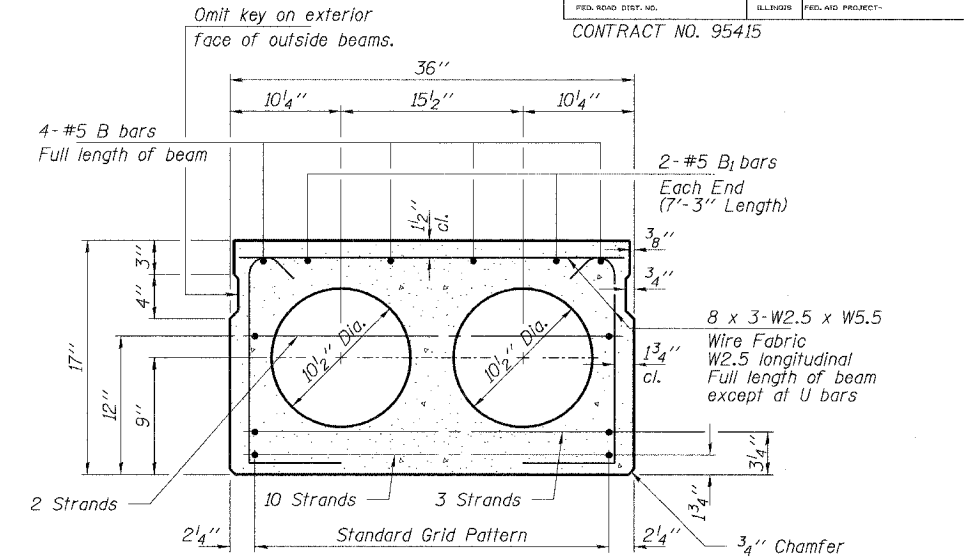
BAR U1



SECTION AT PIERS
@ Rt. L's

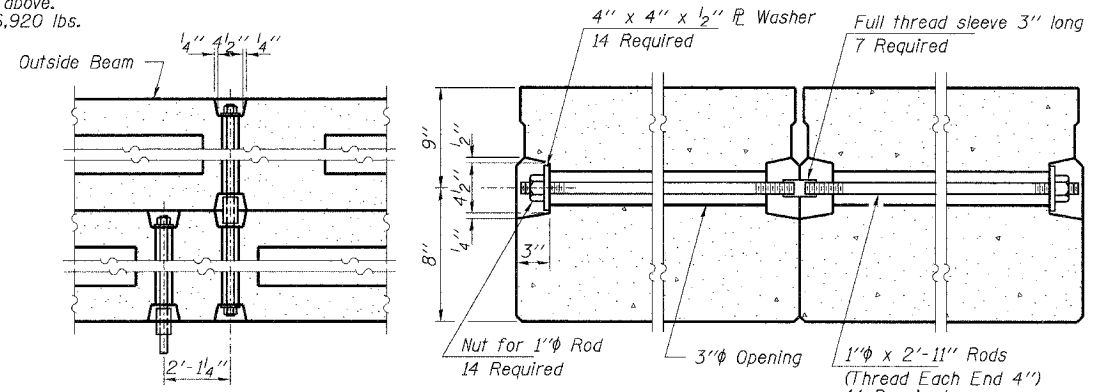


LIFTING LOOP DETAIL
Approved alternate may be substituted for the above.
Weight of 1 Beam = 16,920 lbs.



TYPICAL SECTION

15-1/2" ϕ Strands, Each Strand Stressed to 30,900 Lbs.
10-Strands 1 3/4" up, 3-Strands 3/4" up, 2-Strands 12" up
Note: Place strands symmetrically about ϕ of beam.



TYPICAL TRANSVERSE TIE ASSEMBLY

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 7-wire stress-relieved 2-1/2" ϕ 270 ksi strands. Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key. Required Release Strength, f'cl, shall be 4,000 p.s.i. An equal substitution of the low-relaxation strands for the stress relieved strands will be permitted. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	864

HLR
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618-190-4631
Date: 09/30/04
DESIGNED: S.W.M. CHECKED: M.G.B. DRAWN: D.T.M.

SUPERSTRUCTURE SPAN 2
SECTION 98-16119-00-BR
MASSILON ROAD DISTRICT
WAYNE COUNTY
STATION 9+91