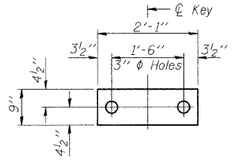
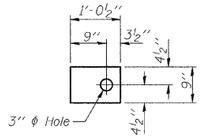
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 256	06-11116-00-BR	MACON	14	11
FED. ROAD DIST. NO.		ILLINOIS	PROJECT: BROS-115(63)	

CONTRACT NO. 95530

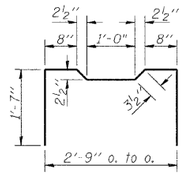


FABRIC BEARING PAD
(Interior)

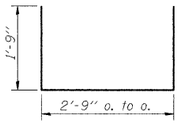


FABRIC BEARING PAD
(Exterior)

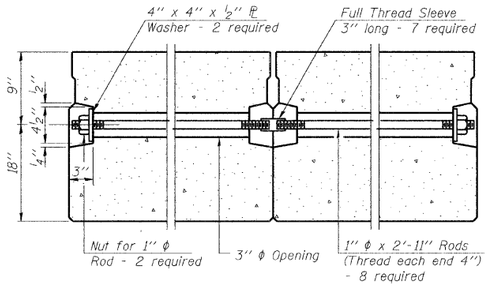
FIXED



BAR A1

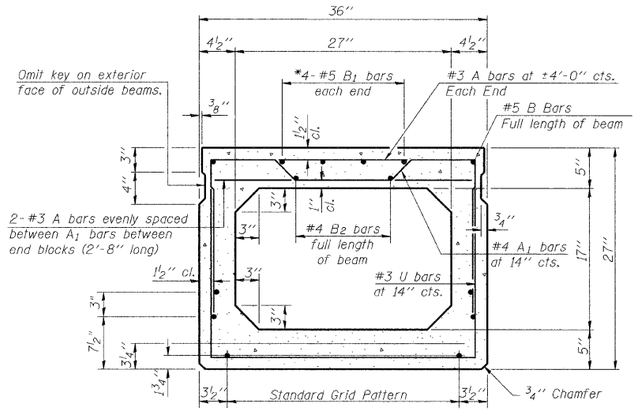


BARS U & U1



TYPICAL TRANSVERSE TIE ASSEMBLY

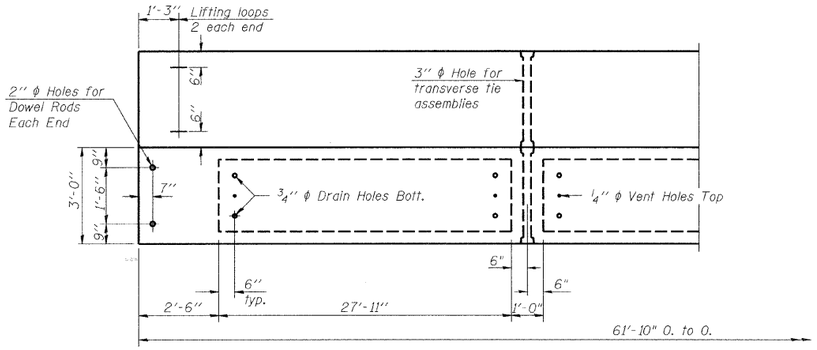
*0.2 x Length of beam = 12'-5"



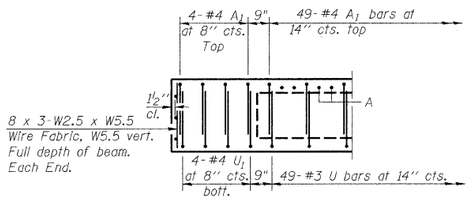
TYPICAL SECTION

½" ϕ Strands, Each Strand Stressed to 30,900 Lbs.
9-Strands $1^{3}/_{4}$" up, 4-Strands $3^{1}/_{4}$" up,
2-Strands $7^{1}/_{2}$" up, and 2-Strands $10^{1}/_{2}$" up.

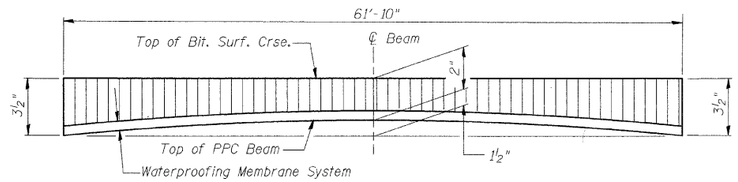
Note:
Place strands symmetrically
about ℄ of beam.



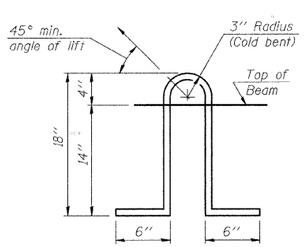
PLAN



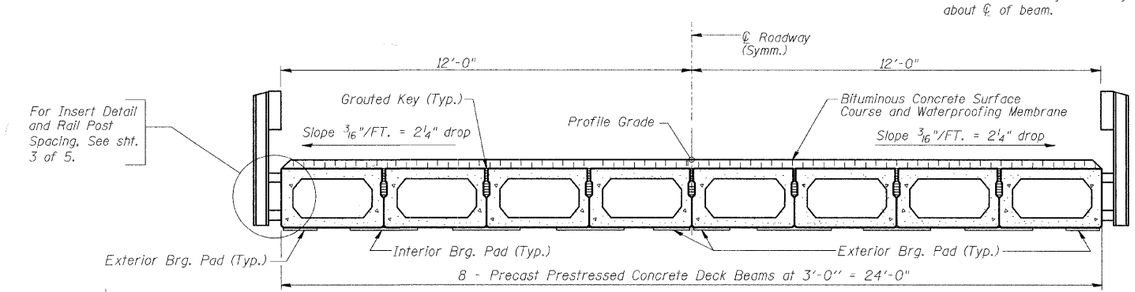
END ELEVATION



ANTICIPATED CAMBER DIAGRAM



LIFTING LOOP DETAIL



CROSS SECTION

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

Lifting loops shall be 2 - ½" ϕ-270 ksi strands, as shown.

The 1" ϕ 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.

Non prestressing steel shall conform to ASTM A 706 (IL MOD), Grade 60.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two ⅛" 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.

Corrosion Inhibitor, per Article 1020.05(b)(12) of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Required Release Strength, f'ci, shall be 4000 p.s.i.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. 27"	Sq. Ft.	1484

SUPERSTRUCTURE

Date	Designed MJP	T.R. 256 OVER BIG CREEK SECTION 06-11116-00-BR MACON COUNTY STA. 15+01.90 PROP. STR. NO. 058-3389	Sheet No. 2 of 5
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS 345 East Ash Avenue Decatur, Il. 62526			URS Job No. 36431783