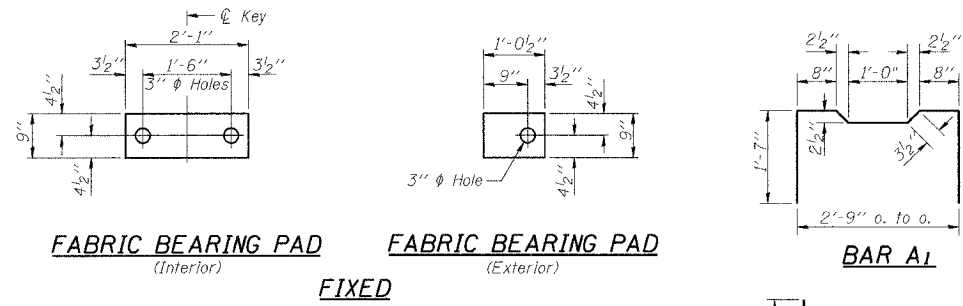
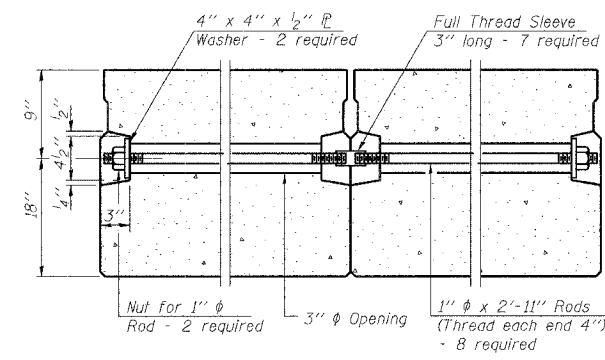


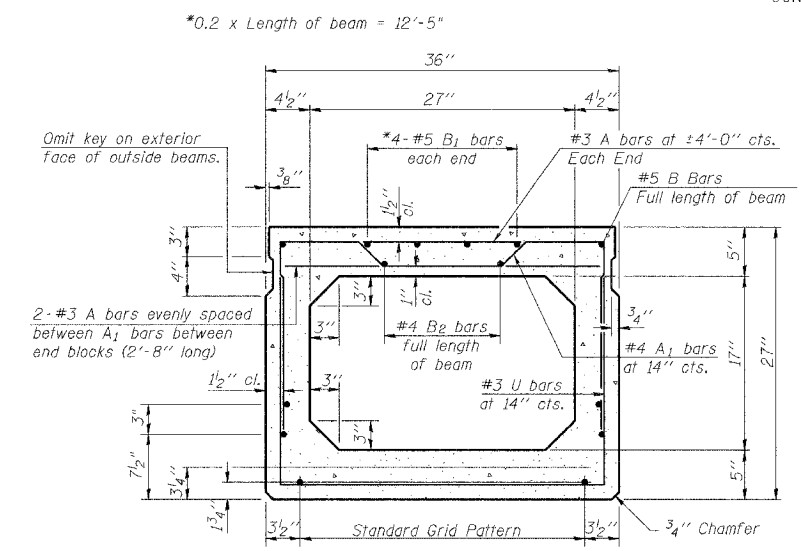
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 256	06-III16-00-BR	MACON	14	II
FED. ROAD DIST. NO.	ILLINOIS	PROJECT: BROS-115(63)	CONTRACT NO. 95530	



**FABRIC BEARING PAD**  
(Interior) **FABRIC BEARING PAD**  
(Exterior) **FIXED**

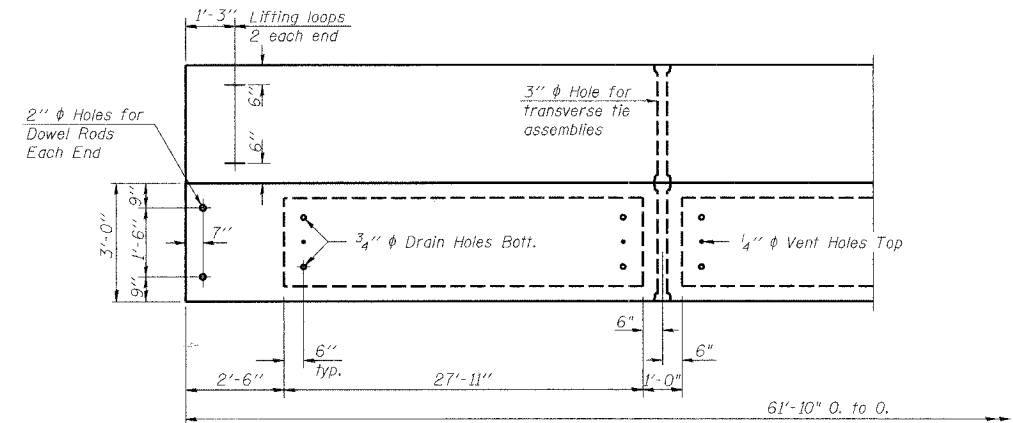


**TYPICAL TRANSVERSE TIE ASSEMBLY**

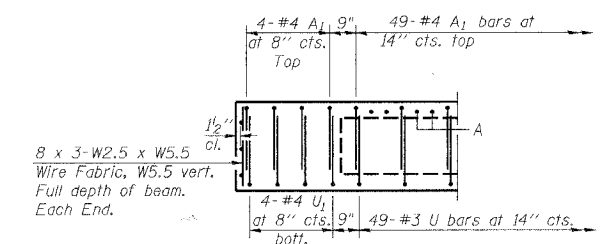


**TYPICAL SECTION**

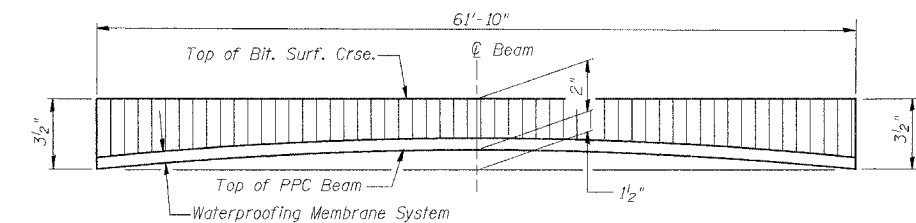
\*0.2 x Length of beam = 12'-5"  
 2-#3 A bars evenly spaced between A1 bars between end blocks (2'-8" long)  
 1/2" φ Strands, Each Strand Stressed to 30,900 Lbs.  
 9-Strands 1 3/4" up, 4-Strands 3/4" up, 2-Strands 7/2" up, and 2-Strands 10 1/2" up.  
 Note: Place strands symmetrically about center of beam.



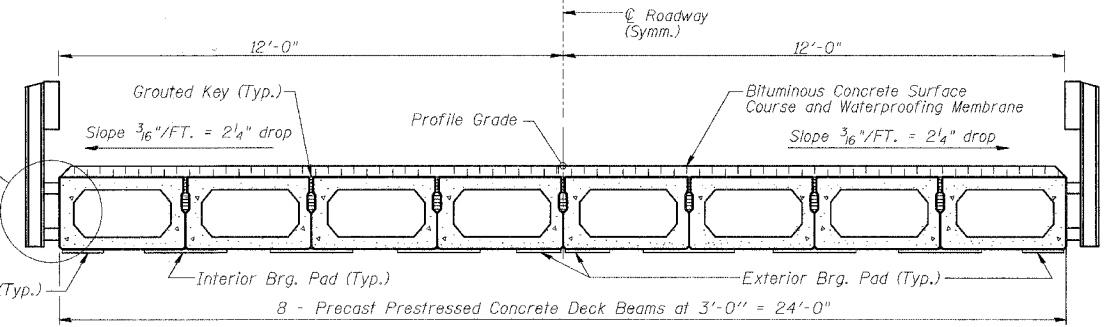
**PLAN**



**END ELEVATION**



**ANTICIPATED CAMBER DIAGRAM**



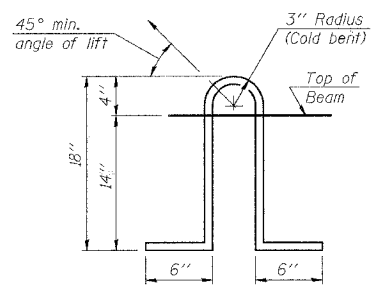
**CROSS SECTION**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. 27"	Sq. Ft.	1484
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**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. Lifting loops shall be 2-1/2" 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 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. 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.



**LIFTING LOOP DETAIL**

SUPERSTRUCTURE			Sheet No.
Date	Designed MJP	T.R. 256 OVER BIG CREEK SECTION 06-III16-00-BR MACON COUNTY STA. 15+01.90 PROP. STR. NO. 058-3389	2 of 5
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by:	<b>URS</b> 345 East Ash Avenue Decatur, IL 62526		URS Job No. 36431783