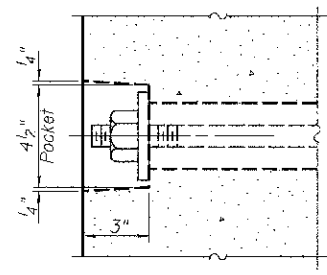
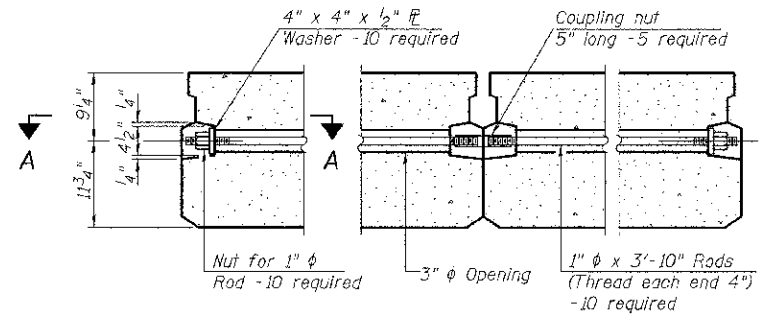


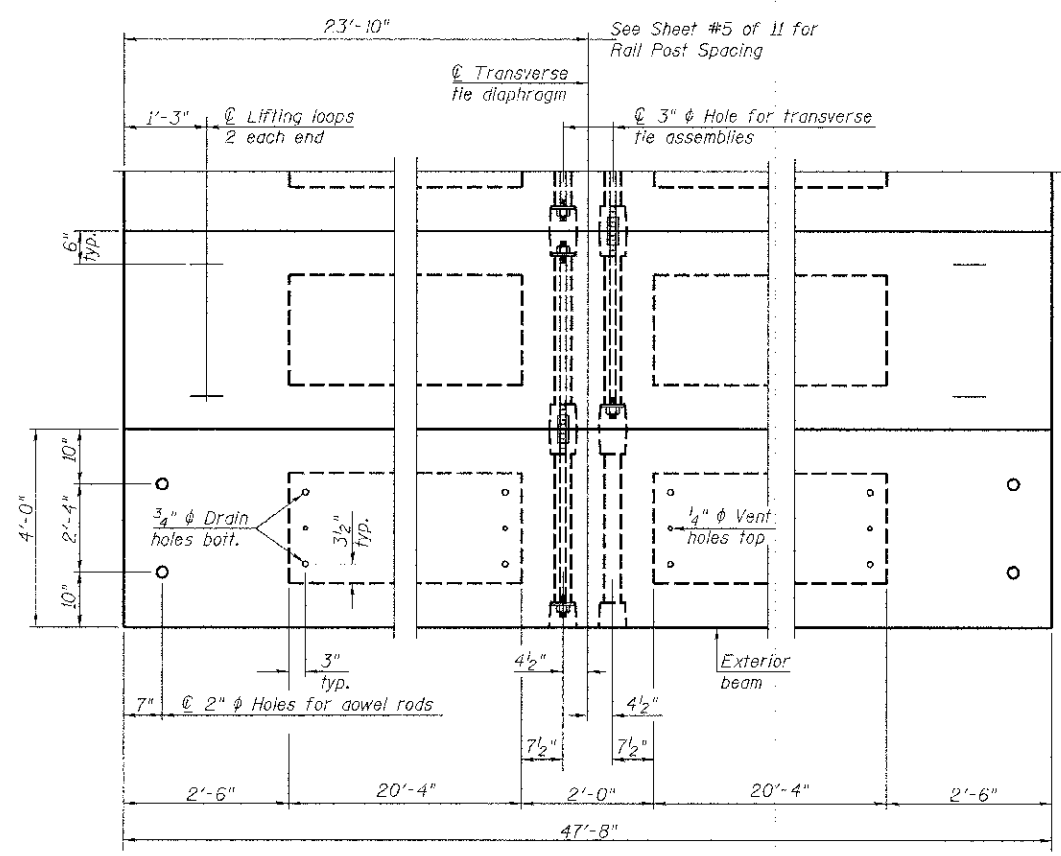
**1/2" FABRIC BEARING PAD** (Interior) 10 required  
**1/2" FABRIC BEARING PAD** (Exterior) 4 required  
**FIXED**



**SECTION A-A**

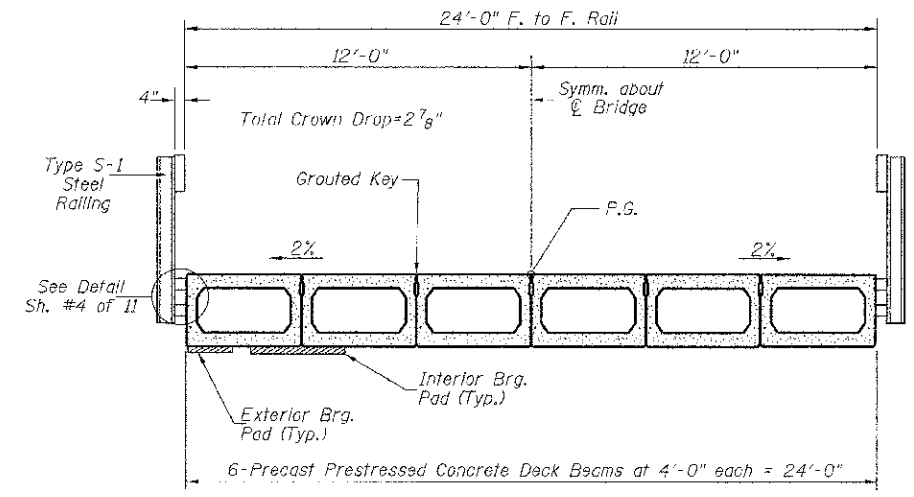


**TYPICAL TRANSVERSE TIE ASSEMBLY**



**PLAN VIEW**

Note: Connect beams in pairs with the transverse tie configuration shown.



**CROSS SECTION**

**BILL OF MATERIAL**

| ITEM  | UNIT  | QUANTITY |
|---|-------|----------|
| ① Precast Prestressed Concrete Deck Beams (21" Depth) | SQ FT | 1,144    |

① See Special Provisions

**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, Grade 60.  
 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" diameter lifting pin shall be used to engage the lifting loops during handling.  
 Corrosion inhibitor, per Article 1020.05(b)(12) and 1021.07 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.

**SUPERSTRUCTURE**  
**BUREAU COUNTY**  
**SECTION 07-03126-00-BR**  
**T.R. 109 OVER LIME CREEK TRIBUTARY**

| SHEET NO. 2           | ROUTE NO. | SECTION  | COUNTY                        | TOTAL SHEETS | SHEET NO. |
|-----------------------|-----------|----------|-------------------------------|--------------|-----------|
|                       | 11 SHEETS | IR 109   | 07-03126-00-BR                | BUREAU       | 61        |
| S.N. 006-4089         |           |          | CONTRACT NO. 87528            |              |           |
| FED. ROAD DIST. NO. 7 |           | ILLINOIS | FED. AID PROJECT BROS-0011087 |              |           |