



## **END ELEVATION**

## NOTES

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.

See Special Provisions for lifting devices.

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

The 1" ords 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 A706 (IL Mod), Grade 60.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two  $_{g}$ " fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each

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'ci, shall be 5000 p.s.i. (minimum).

Low-relaxation strands are required.

#5 #5 16'-3" #4 28'-6" 6 66 #3 7'-3" 8 | #4 | 7'-3"

Sq. Ft. 243.50 Concrete Deck Beams Reinforcement Bars Pound Total Weight Each Beam Pound 53560

\*\*Weight does not include W.W.F.

PRECAST PRESTRESSED CONCRETE DECK BEAM DETAILS PROPOSED BRIDGE OVER HICKORY CREEK TR 454

SECTION 06-19125-00-BR

of 9 FAYETTE COUNTY, ILLINOIS Job No. 50606