

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|---------|----------|------------------|-------|--------------|
| ROUTE NO. | SECTION | COUNTY | STATION | SHEET | SHEET NO. 10 |
| FAP 782 | 110BR-1 | WHITE | 73 | 55 | 17 SHEETS |
| FED. ROAD DIST. NO. 4 | | ILLINOIS | FED. AID PROJECT | | |

NOTES

After beams have been erected, holes shall be drilled into substructure and dowels rods placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.

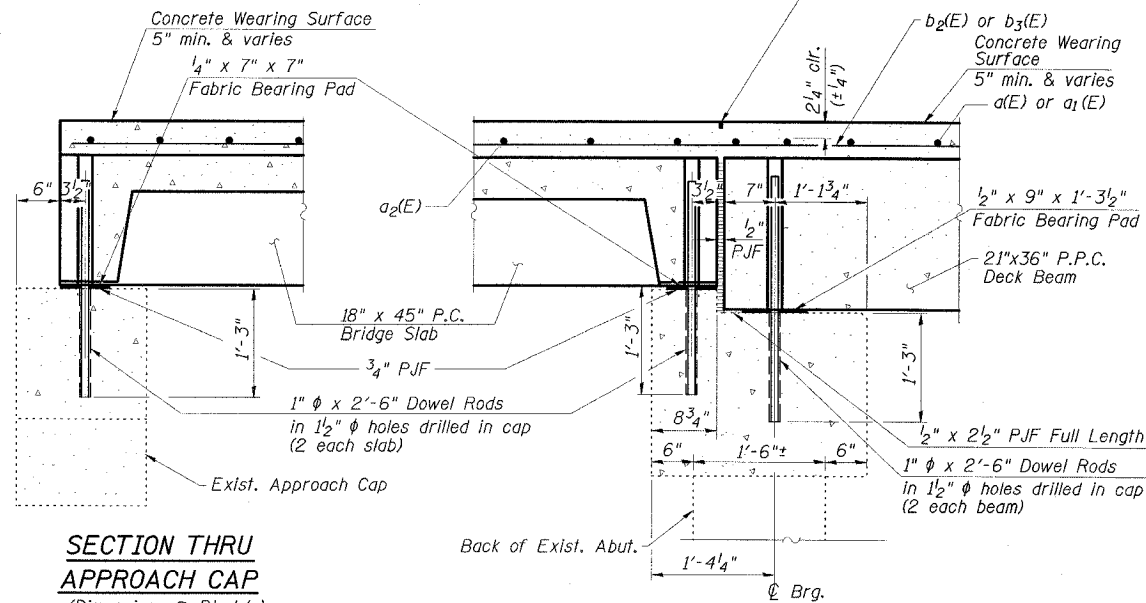
Concrete wearing surface to be poured after grouting the shear keys.

Dowel rods drilled in cap are included in the cost of Precast Prestressed Concrete Deck Beams (21" Depth) or Precast Concrete Bridge Slabs.

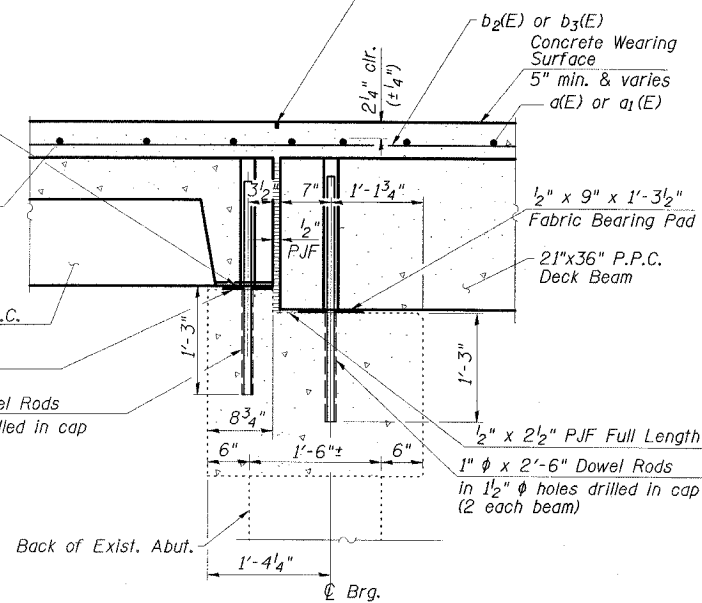
The rail anchorage shall be cast with the beam or slab and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam or slab. Drilling into the beam or slab will not be permitted.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

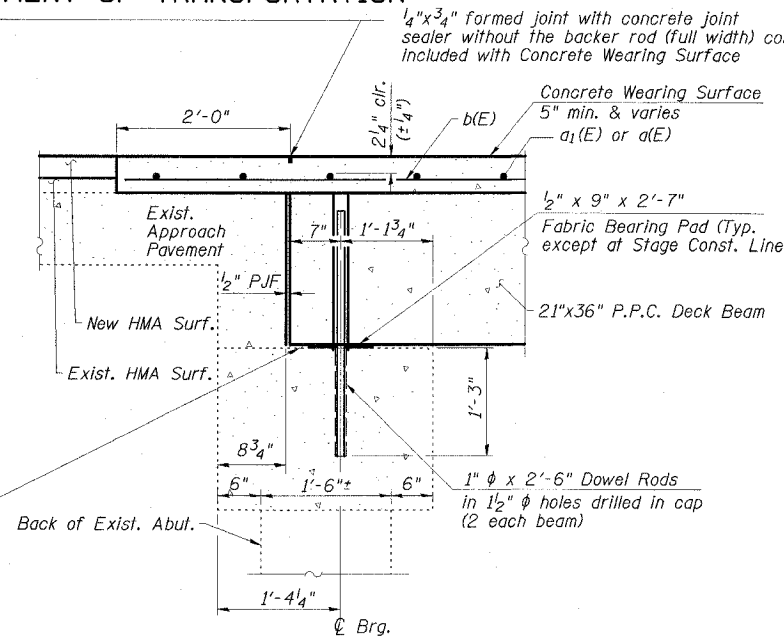
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.



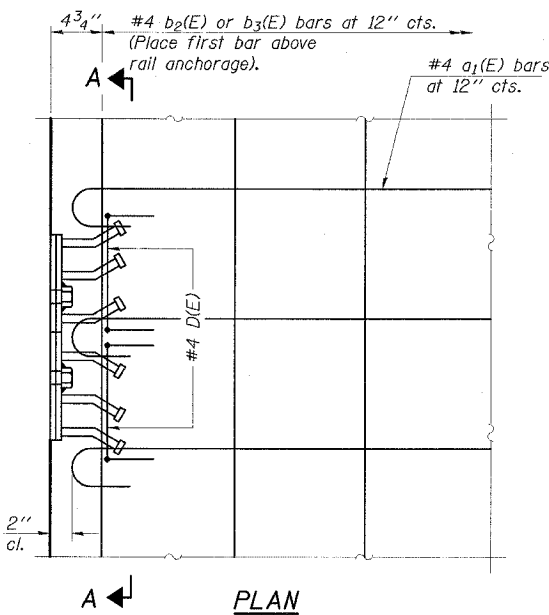
SECTION THRU APPROACH CAP
(Dimensions @ Rt. L's)



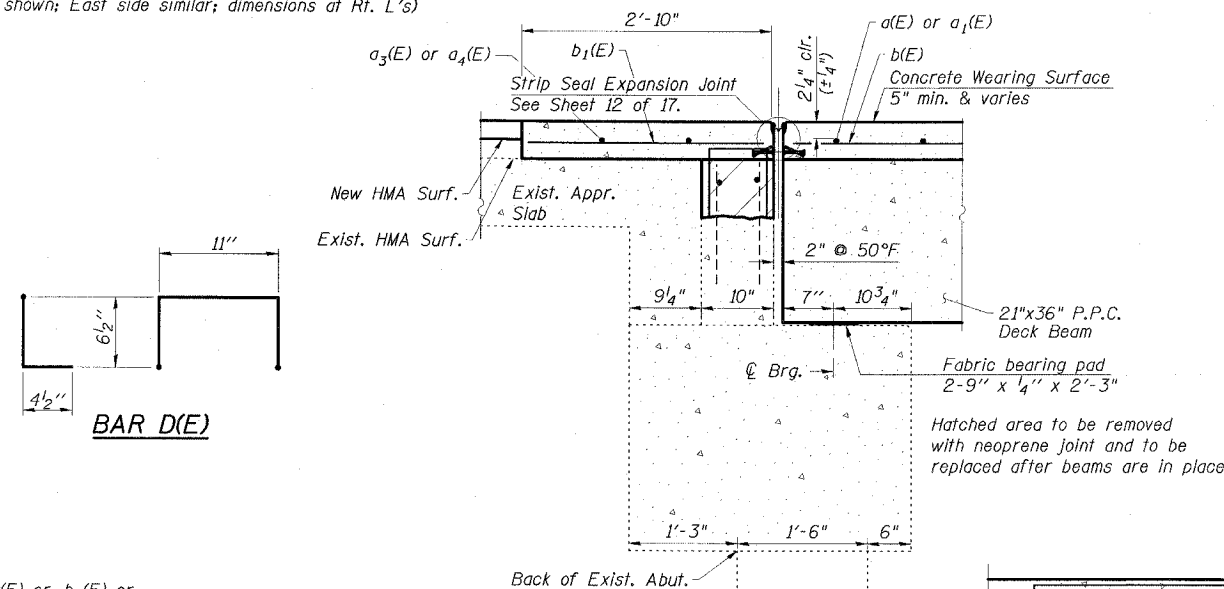
SECTION THRU N. ABUTMENT @ OUTSIDE BEAM
(West side shown; East side similar; dimensions at Rt. L's)



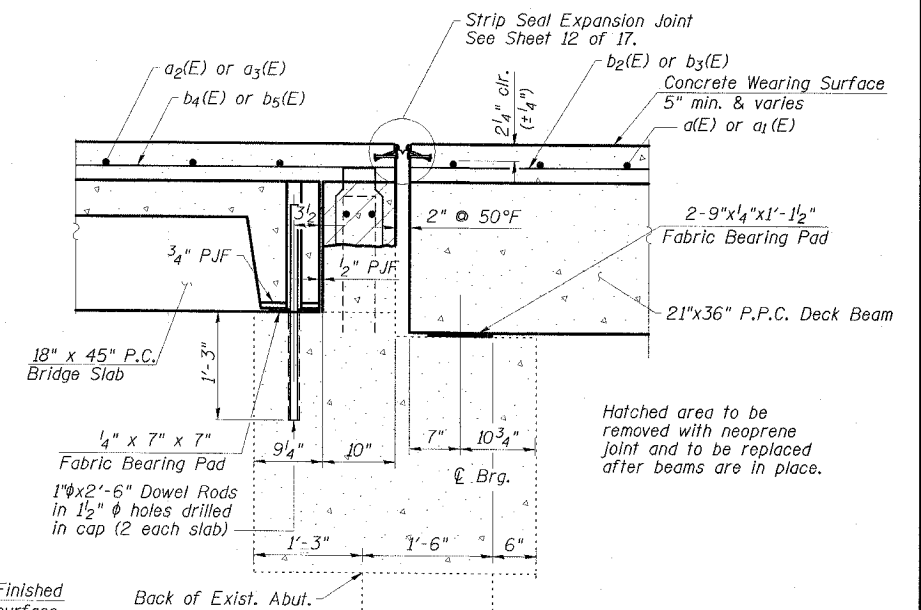
SECTION THRU N. ABUTMENT @ ROADWAY
(Dimensions @ Rt. L's)



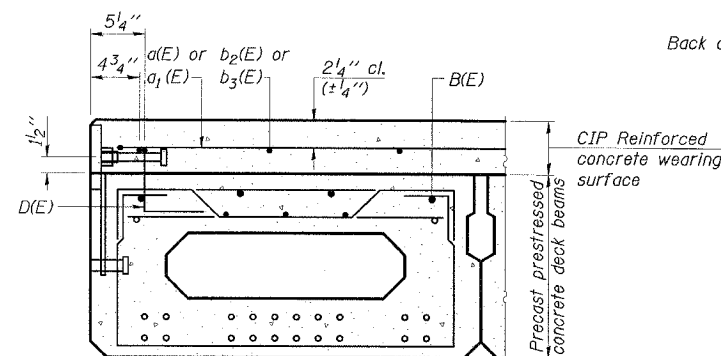
PLAN



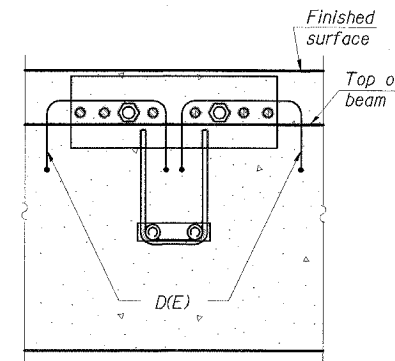
SECTION THRU S. ABUTMENT @ ROADWAY
(Dimensions @ Rt. L's)



SECTION THRU S. ABUTMENT @ OUTSIDE BEAM
(East side shown; West side similar; Dimension @ Rt. L's)



CROSS SECTION
(Deck beam shown; PC bridge slab similar)



SECTION A-A

ESCA
CONSULTANTS, INC.

| | | |
|--------------|---------|-------|
| DESIGNED BY: | DAJ | 09/07 |
| DRAWN BY: | HAS | 09/07 |
| CHECKED BY: | JMS/ELH | 02/08 |
| APPROVED BY: | RDP | 02/08 |

SUPERSTRUCTURE AND APPROACH DETAILS
IL 1 OVER INDIAN CREEK
FAP ROUTE 782 - SECTION 110BR-1
WHITE COUNTY
STATION 85+28.00
STRUCTURE NO. 097-0026