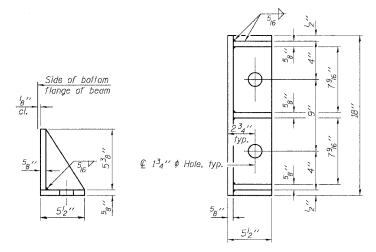


SECTION A-A AT ABUTMENT (at Rt. Ls)



*Tightly fasten the #8 bars together with No. 9 wire ties.

**Place $a_3(E)$, h(E) and $h_5(E)$ bars in back of anchor bolt as shown if required to maintain 1" cl. (+0-18"), Anchor bolts should be fied to h(E), h5(E) and a3(E) bars.

sheet 10 of 28.

Concrete in diaphragm is included with Concrete Superstructure on sheet 10 of 28.

Spacing for these bars shall be at right angles to the beams. Cost of 90 Lb. roofing felt is included with Concrete Superstructure. See sheet 26 of 28 for anchor bolt details.

beam unless otherwise noted.

The side retainers shall be galvanized after shop fabrication according

SECTION B-B

AT PIER (Fixed)

NOTES

Reinforcement bars in diaphragm are billed with superstructure on

The s(E) and x(E) bars shall be placed parallel to the beams.

Horizontal dimensions for Sec. A-A and Sec. B-B are along ${\mathbb Q}$ of

to AASHTO M 111 and ASTM 385 and included with the cost of

Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42"

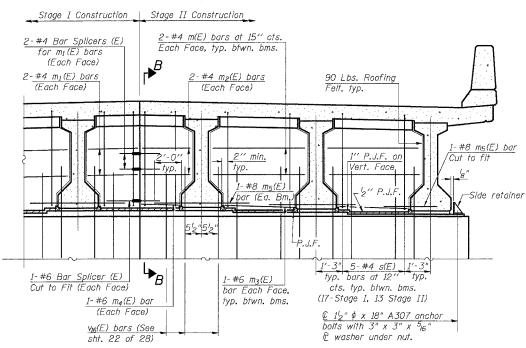
AP ROUTE SECTION SHEET NO. 11 VERMILION 93 711 115(BY)BR 30 28 SHEETS FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT-

Stage I Construction | Stage II Construction CONTRACT NO. 9Ø843 #6 Bar Splicer (E)-Inserts for ¾" ♦ Threaded Dowel Rods a₈(E) a7(E) $-a_4(E)$ or $a_7(E)$ bars 34"\$x 2'-0" 12-#6 x(E) bars Threaded Dowel at 6" cts., typ. typ. Rods

DIAPHRAGM AT ABUTMENTS

 \downarrow A

(Looking East)



DIAPHRAGM AT FIXED PIER (Looking East)

> ILLINOIS DEPARTMENT OF TRANSPORTATION DIAPHRAGM DETAILS PROJECT VIS. OVER BLUEGRASS CREEK FAP ROUTE 711 SECTION 115(BY)BR VERMILION COUNTY 05/18/04 RAWN BY STATION 236+24.70 STRUCTURE NUMBER 092-0200 TFG CHECKED BY KPS/CME/MCB COOMBE-BLOXDORF P.C. Engineers / Land Surveyors 11 Springfield, Illinois Design Firm License No. 184-002703 OF 28 SHTS

SIDE RETAINER AT PIERS Equivalent rolled angle with stiffeners

will be allowed in lieu of welded plates.

PI-2J 9-1-03