

## SECTION C-C



## Notes:

Two hardened washers required for each set of oversized holes. Slotted holes shall be fabricated and erected such that bolts start at one end of slot with no concrete load and end at other end with @ of beam and diaphragm aligned.

\*Alternate channels are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.

\*\* 34'' \$ HS bolts, <sup>15</sup>16'' \$ holes.

\*\*\*  ${}^3_4{}'' \phi$  HS bolts,  ${}^{15}_{16}{}'' \phi$  holes in girders,  ${}^{13}_{16}{}'' \times 1{}^7_8{}''$  slotted holes in angles. Bolts shall be finger tight until after Stage II pour.



DIAPHRAGM D1

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Dimensions at right angles to abutment, except as shown.

DIAPHRAGM ELEVATION AT ABUTMENT

(South abut. shown, north abut. reversed)

Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet 10 of 19. Concrete in diaphragm is included with Concrete Superstructure on sheet 10 of 19. For details of bars s(E) & s1(E) see sheet 10 of 19. The s(E) and  $s_1(E)$  bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

MIN. BAR LAP

#6 bar = 2'-9"

DIAPHRAGM DETAILS IL ROUTE 128 OVER ROBINSON CREEK TRIBUTARY F.A.P. RTE. 770 - SECTION (115BR)B-1 SHELBY COUNTY STATION 408+75.45 STRUCTURE NO. 087-0031