







Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet 13 of 36.

Concrete in diaphragm is included with Concrete Superstructure on sheet 13 of 36.

For details of bars s(E),  $s_1(E)$  and  $s_2(E)$  see sheet 13 of 36. The s(E),  $s_1(E)$  and  $s_2(E)$  bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. See sheet 15 of 36 for Sections A-A and B-B.

Cost of 90 Lb. roofing felt is included with Concrete Superstructure. The side retainer shall be galvanized after shop fabrication according to AASHTO M 111. Cost of side retainer and anchor bolts shall be included with Concrete Structures.

Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineerapproved 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. Anchor bolts for side retainers may be cast in place or installed in

Side of bottom

flange of beam

5'2'

CL.

holes drilled before or after members are in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

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