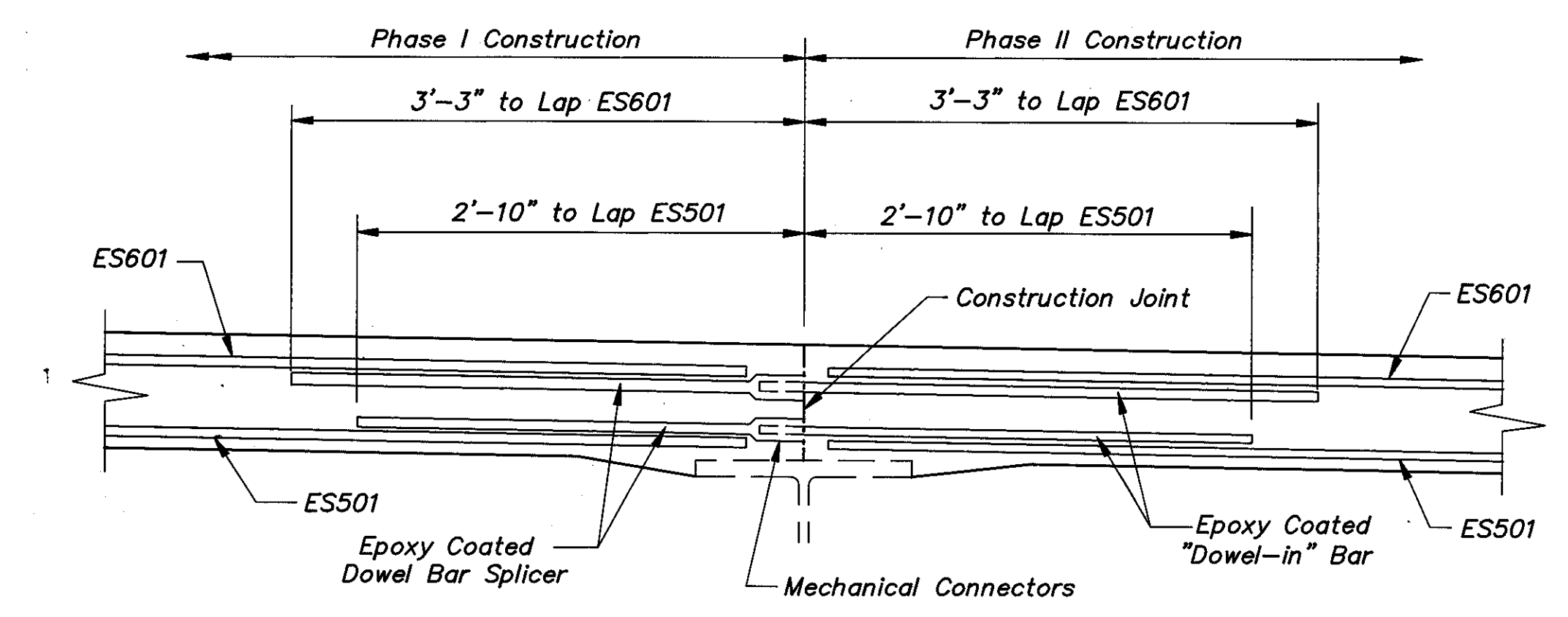


TRANSVERSE SECTION
Eastbound Lanes Shown
Westbound Opposite Hand

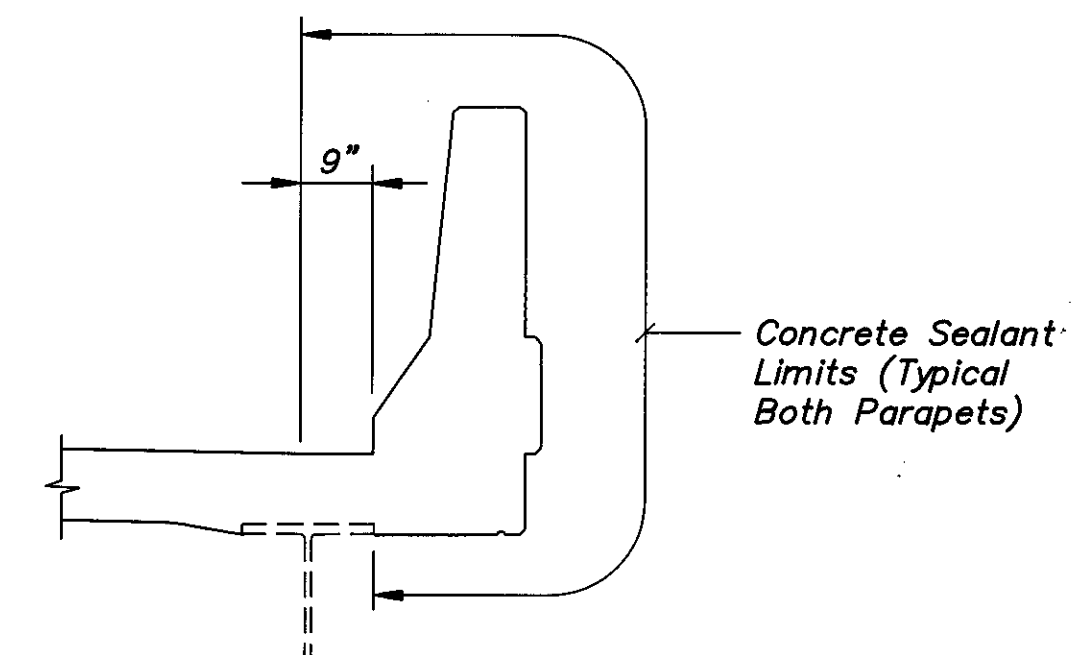


CONSTRUCTION JOINT
(For Additional Reinforcement See Transverse Section this Sheet)

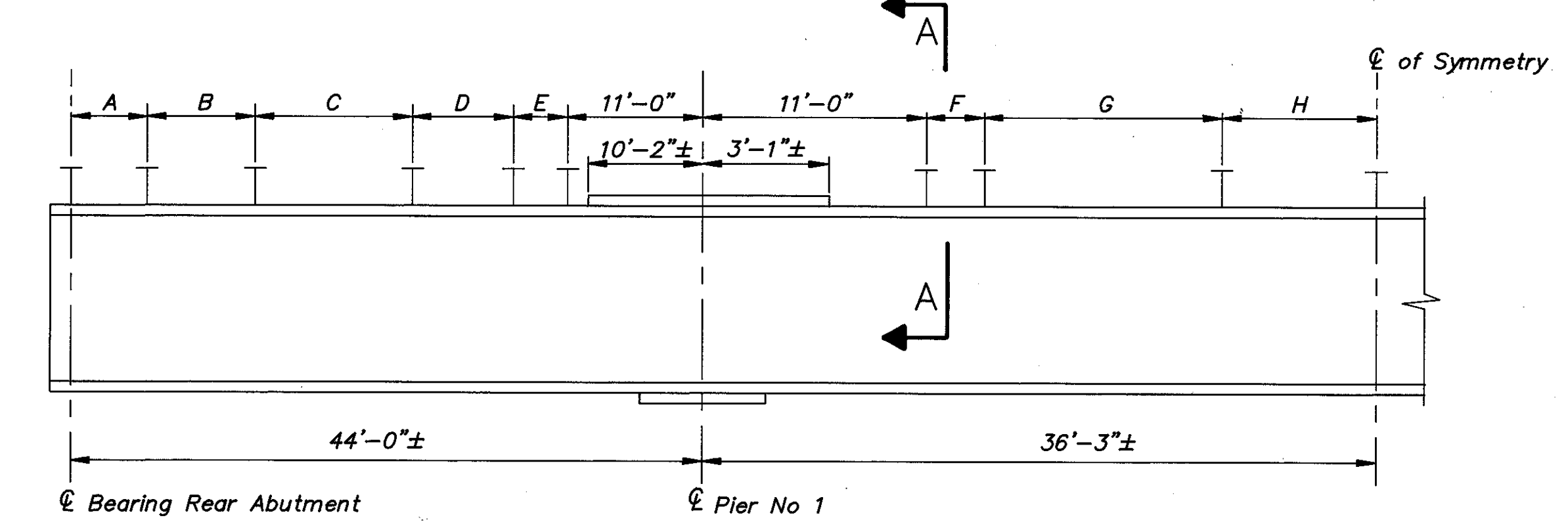
As an alternative to the dowel bar splicer system indicated, the contractor may at his option furnish other types of mechanical connectors for reinforcing bars. Installation of either type of connectors shall conform with manufacturer's recommended procedures. Connectors for epoxy coated bars shall be epoxy coated. Coating for both connectors and bars shall conform to the same specification. Coatings which have been damaged or otherwise do not meet specification with respect to color, continuity and uniformity may be repaired as directed by the Engineer or they shall be replaced with material which meets the specifications. Connectors shall conform with 509 and be included in the bid price per pound for Item 509-Epoxy Coated Reinforcing Steel, Grade 60.

NOTES:

1. A haunch width of 9" shall be used for computing quantity of concrete. However, the haunch width may vary between 6" and 12" (provided that the slope shall be not more than 1:4 for a haunch less than 9" in width)
2. Transverse deck reinforcing (ES501 and ES601) shall be field bent as required to accommodate deck slope of 3/16"/ft. Payment shall be included with Item 509 - Epoxy Coated Reinforcing Steel, Grade 60.
3. The nominal deck slab depth over beams is 9 7/8". The actual slab depth may be more; it should not be less. After complete removal of the existing deck slab, the contractor shall determine actual top of beam elevations in the field and deduct them from proposed screed elevations to obtain actual slab depths. For depths less than 9 7/8", the proposed grade line and deck surface may have to be raised to provide the nominal depth, as directed by the Engineer. The quantity of deck concrete to be paid for shall be based on the nominal deck slab depth given above.



CONCRETE SEALANT



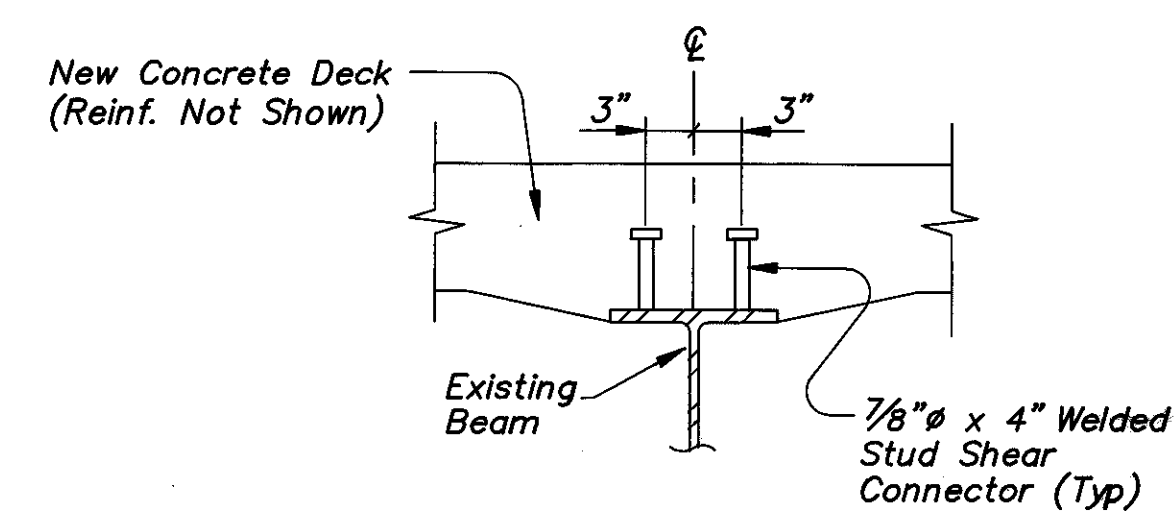
SHEAR STUD SPACING DIAGRAM
(Typical for All Beams)

- A: 11 Spaces @ 5" = 4'-7"
- B: 18 Spaces @ 6" = 9'-0"
- C: 22 Spaces @ 7" = 12'-10"
- D: 15 Spaces @ 5" = 6'-3"
- E: 1 Space @ 4" = 0'-4"
- F: 1 Space @ 5" = 0'-5"
- G: 28 Spaces @ 6" = 14'-0"
- H: 20 Spaces @ 6 1/2" = 10'-10"

Welded attachment of supports for concrete deck finishing machine shall not be made a distance of 11'-0" either side of the pier on the top flange.

Fillet welds to top flange shall be not closer than 1" from edge of flange, be not more than 2" long and be not smaller than the minimum size required by AASHTO.

Notation: E.F.-Each Face



SECTION A-A
(Typical for All Beams)

COLPETZER-THOMAS, INC. AN ENGINEERING GROUP WILLOUGHBY • MENTOR • NORTH CANTON • STEUBENVILLE • LORAIN		14/78
SUPERSTRUCTURE		
BRIDGE NO. LAK-2-0180 L & R		
OVER RUSH ROAD		
LAKE COUNTY		
DESIGNED	DRAWN	TRACED
J.P.R.	R.L.B.	R.L.B.
CHECKED	REVIEWED	DATE
R.J.C.	J.E.A.	11/15/88
REVISED		