Standard Drawing Guidance (Do not show on plans):
Check that the 1 1/2" Ø holes for the diaphragms shown on the design plans will provide a minimum clearance of at least 1" to any prestressing strands. Diaphragm spacing may need to be adjusted.

Steel Intermediate Diaphragm Details:

Steel Intermediate Diaphragms:
- Steel Intermediate Diaphragms are used to transfer loads between the girders and the concrete deck.
- They are typically made of steel plates and bolts.
- The bolts are tightened to provide a tension of one-half that specified in Sec 712 for high strength bolt installation. A325 bolts may be substituted for A307 bolts.

Steel Diaphragm Notes:
- Steel diaphragms must be completely covered by the contract unit price for Steel Intermediate Diaphragms for P/S Concrete Girders.
- Shop drawings will not be required for steel Intermediate Diaphragms and angle connections.

For location of intermediate diaphragms, see Sheet No.

Part Section Showing Intermediate Diaphragms:
- Four 1 1/16" x 2 1/4" horizontal bolts are needed in the 4" leg of each diag.
- Eight 15/16" Ø holes in bent plates, eight 7/8" Ø holes cast in web, eight 2 1/2" Ø holes in plate, four 1 1/16" x 2 1/4" horizontal bolts are needed in the 4" leg of each diag.
- Eight 15/16" Ø holes in bent plates, eight 7/8" Ø holes cast in web, eight 2 1/2" Ø holes in plate, four 1 1/16" x 2 1/4" horizontal bolts are needed in the 4" leg of each diag.

The bolts shall be tightened to provide a tension of one-half that specified in Sec 712 for high strength bolt installation. A325 bolts may be substituted for A307 bolts.

For location of intermediate diaphragms, see Sheet No.