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 2" to any prestressing strands. Diaphragm spacing may need to be adjusted.

Delete panels for CIP slab.

Steel Intermediate Diaphragms:

Steel Diaphragm Notes:

- In lieu of 2 1/2" outside diameter washers, contractor may substitute a 1 1/2" (Min. 1 1/8") thick washer plate with four 1 1/16" holes and one hardened washer per bolt.
- Bolts shall be tightened to provide a tension of one-half that specified in Sec 712 for high strength bolt installation. ASTM F3125 Grade A325 Type 1 bolts may be substituted for A307 bolts. All diaphragm materials including bolts, nuts, and washers shall be galvanized.
- Fabracted structural steel shall be ASTM A509 Grade 36 as noted.
- Payment for furnishing and installing steel intermediate diaphragms will be considered completely covered by the contract unit price for Shop Intermediate Diaphragm 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 E-1.