**Steel Intermediate Diaphragms**

**Steel Diaphragm Notes:**

- In lieu of 2 1/2" outside diameter washers, contractor may substitute 1 1/2" Min. hex nuts and washers 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 the specified ASTM A307 bolts.
- All diaphragm materials including bolts, nuts, and washers shall be galvanized and installed in accordance with the requirement s for the specified ASTM A307 bolts.
- Fabricated structural steel shall be ASTM A709 Grade 36 except as noted.
- Steel diaphragms shall be completely covered by the contract unit price for Steel Intermediate Diaphragm for P/S Concrete Girders.

**Standard Drawing Guidance (Do not show on plans):**

- Check that the 1 1/2" holes for the diaphragms shown on the design plans will provide a minimum clearance of at least 1 1/2" to any prestressing strands. Diaphragm spacing may need to be adjusted.

**Delete panels for CIP slab.**

**For location of intermediate diaphragms, see Sheet No.**