Parts shown inside the sheet border are for drains transverse to roadway. Verify slab drain does not block vent pipe in box beam. Required a cantilever 3'-9 3/8" or more. Use the below details for drains requiring a cantilever 3'-9 3/8" or more. Use half of the beam depth. A contractor is required.

Notes for Steel Drain:

- Reinforcing steel shall be shifted to construct either steel or FRP slab drains.
- Slab drain bracket assembly shall be ASTM D4329 Cycle A. The representative material coating used.
- The combination of materials used in the coating for additional UV resistance.
- Slab drains may have an exterior resistant and/or have UV inhibitors mixed through the resin and any coating used.
- Outside dimensions of drains are 8" x 4".
- Slab drains may be fabricated of either steel or from 1/4" structural steel tubing 1/4" welded sheets of ASTM A709 Grade 36.

Notes for FRP Drain:

- At the contractor's option, drains may be acceptance of the slab drains.
- The representative material shall withstand at least 500 hours of D4329 Cycle A. The representative material for UV resistance in accordance with ASTM.
- Slab drain bracket assembly shall be ASTM D2996 with the requirements of ASTM D2996 with the coating used.
- The drains shall be galvanized in accordance with ASTM A123.
- The drains shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.
- All bolts, hardened washers, lock washers and nut (Typ.) 1/2"Ø bolt with lock, 9/16"Ø Hole for Coil Insert & Box Beam Prestressed (Typ.).
- Reinforcing steel shall be shifted to construct either steel or FRP slab drains.
- Slab drain bracket assembly shall be ASTM D4329 Cycle A. The representative material coating used.
- The combination of materials used in the coating for additional UV resistance.
- Slab drains may have an exterior resistant and/or have UV inhibitors mixed through the resin and any coating used.
- Outside dimensions of drains are 8" x 4".
- Slab drains may be fabricated of either steel or from 1/4" structural steel tubing 1/4" welded sheets of ASTM A709 Grade 36.

Notes for Steel Drain:

- Reinforcing steel shall be shifted to construct either steel or FRP slab drains.
- Slab drain bracket assembly shall be ASTM D4329 Cycle A. The representative material coating used.
- The combination of materials used in the coating for additional UV resistance.
- Slab drains may have an exterior resistant and/or have UV inhibitors mixed through the resin and any coating used.
- Outside dimensions of drains are 8" x 4".
- Slab drains may be fabricated of either steel or from 1/4" structural steel tubing 1/4" welded sheets of ASTM A709 Grade 36.

Notes for FRP Drain:

- At the contractor's option, drains may be acceptance of the slab drains.
- The representative material shall withstand at least 500 hours of D4329 Cycle A. The representative material for UV resistance in accordance with ASTM.
- Slab drain bracket assembly shall be ASTM D2996 with the requirements of ASTM D2996 with the coating used.
- The drains shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.
- All bolts, hardened washers, lock washers and nut (Typ.) 1/2"Ø bolt with lock, 9/16"Ø Hole for Coil Insert & Box Beam Prestressed (Typ.).
- Reinforcing steel shall be shifted to construct either steel or FRP slab drains.
- Slab drain bracket assembly shall be ASTM D4329 Cycle A. The representative material coating used.
- The combination of materials used in the coating for additional UV resistance.
- Slab drains may have an exterior resistant and/or have UV inhibitors mixed through the resin and any coating used.
- Outside dimensions of drains are 8" x 4".
- Slab drains may be fabricated of either steel or from 1/4" structural steel tubing 1/4" welded sheets of ASTM A709 Grade 36.