STRENGTHENING EXISTING BEAMS

PART ELEVATION OF EXTERIOR BEAM SHOWING COVER PLATE INSTALLATION
SPAN (X-X) AND SPAN (X-X)

PART ELEVATION OF EXTERIOR BEAM SHOWING COVER PLATE INSTALLATION
SPAN (X-X)

Standard Drawing Guidance (do not show on plans):

1. Use Type 3 for weathering steel bolted connections and Type 1 for plain or galvanized steel bolted connections.

Notes:

- Beam with end-bolted cover plates shall be installed in the following sequence after existing bridge deck is removed:
  1. Drill holes in cover plate and flange.
  2. Clean faying surfaces. (See Special Provisions)
  3. Place and tighten bolts.
  4. Weld cover plate to flange.

Fabricated structural steel shall be ASTM A709 Grade 36, Type A or Type B as noted.

Payment for ___ pounds of new cover plates complete in place will be considered completely covered by the contract lump sum price for Strengthening Existing Beams.

Notch toughness is required for all cover plates.