1. Furnish and install approved Conduits, Fittings and Embedded Junction Boxes (EJB's) in accordance with Specification Sections 630 and 635, this Standard, the National Electric Code (NEC) and as directed by the Engineer.

2. Furnish and install Embedded Junction Boxes (EJB) with weatherproof covers sized in accordance with NEC requirements and the maximum size limits shown. Install EJB adjacent to the Begin and End of Bridges, Begin and End of Retaining Walls, except omit EJB adjacent to the Bridge unless a precast Traffic Railing with junction slab is used, and at other locations as necessary to maintain 300 foot maximum spacing. See Plans for additional locations and details.

3. For Conduit not designated for future use, see Plans for details. For Conduit designated for future use, stub out and cap the Conduit. Drive a 3'-0" long ½ (min.) diameter Steel Pipe flush with the ground line adjacent to the end of the Conduit as shown on Sheets 2, 3 or 4. Provide the location of the stub out with Steel Pipe to the Engineer for inclusion on the As-Built Plans.

4. Shift vertical Railing reinforcement symmetrically to provide 2" clearance to EJB. Space shifted vertical reinforcement at minimum 3' centers. Cut horizontal Railing reinforcement to provide 2" clearance to EJB and provide supplemental reinforcement as shown. To facilitate placement of Conduit, Expansion Fittings, and Expansion/Deflection Fittings, shift reinforcing a maximum of 1" but do not cut railing reinforcing to facilitate Conduit or Fittings. Do not bundle Conduits, or Conduit and horizontal reinforcement.

* Reduce to 6" maximum when installed in Pedestrian/ Bicycle Railings.
Bridge and Approach Slab with Median Traffic Railing

Conduit Stub-Out Detail

Provide 4 ~ 8'-0" long supplemental #5 Bars centered on EJB

Median Traffic Railing (See Note 4)

Median Traffic Railing (See Note 4)
Approach Slab and Retaining Wall with Railing

* 36" Single-Shape Traffic Railing shown, other Traffic Railings and Pedestrian / Bicycle Railing similar. (See Sheet 2)
** EJB 'A' shown EJB 'B' similar. See EJB 'B' Detail on Sheet 2.