**NOTE:**
1. Avoid existing reinforcement when drilling.
2. Dimensions may vary with roadway cross slope and with certain thickness of surfacing. See Project Plans.
3. Clearance to reinforcing steel in barrier to be four inches. See Project Plans.
4. For typical metal railing connection details not shown, see Standard Plans AT4U and AT736.
5. See Standard Plans ES-9A, ES-9B, ES-9C, ES-9D and ES-9E for electrical details. The positive number of conduits in the barrier is limited to two 3" conduits along with one 2" conduit, when a 3" conduit is used, it is restricted to the base of the barrier.
6. Roughen existing bridge deck surface before casting new concrete against existing concrete.
7. Taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam rail element. Special design might be needed for nontypical situation.
8. Reinforced concrete:
   - New
   - Existing
   - Concrete:
     - Reinforced:
       - Tenth moment of area
       - fy = 60 Ksi
       - f'c = 3.6 Ksi
9. Corbel shall be placed and cured before barrier is placed and bond installation.
10. Clearance to reinforcing steel in barrier to be four inches. See Project Plans.

**OVERHANG**

Notes Overhang Bridge Deck shown. Slope Bridge Deck similar.

**NOTE:**
1. Avoid existing reinforcement when drilling.
2. Dimensions may vary with roadway cross slope and with certain thickness of surfacing. See Project Plans.
3. Clearance to reinforcing steel in barrier to be four inches. See Project Plans.
4. For typical metal railing connection details not shown, see Standard Plans AT4U and AT736.
5. See Standard Plans ES-9A, ES-9B, ES-9C, ES-9D and ES-9E for electrical details. The positive number of conduits in the barrier is limited to two 3" conduits along with one 2" conduit, when a 3" conduit is used, it is restricted to the base of the barrier.
6. Roughen existing bridge deck surface before casting new concrete against existing concrete.
7. Taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam rail element. Special design might be needed for nontypical situation.
8. Reinforced concrete:
   - New
   - Existing
   - Concrete:
     - Reinforced:
       - Tenth moment of area
       - fy = 60 Ksi
       - f'c = 3.6 Ksi
9. Corbel shall be placed and cured before barrier is placed and bond installation.