

**ITEM 16569.01 M - PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES (Full Section) - GALVANIZED REINFORCING**  
**ITEM 16569.02 M - PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES (Half Section) - GALVANIZED REINFORCING**  
**ITEM 16569.03 M - VERTICAL FACED CONCRETE PARAPET - GALVANIZED REINFORCING**

The requirements of §569 - Permanent Concrete Traffic Barrier for Structures shall apply with the following modifications:

1. All reinforcing in the concrete barrier shall be cut and bent prior to galvanizing. Notwithstanding the foregoing, the EIC may allow up to 5% of the length of reinforcing to be field bent to replace misfabricated, damaged, or missing reinforcing.
2. All reinforcing and zinc rich paint shall meet the requirements of §709-11 Galvanized Bar Reinforcement, Grade 400.
3. Tie wire shall be galvanized or coated with a non-conducting material.
4. **Damaged Galvanized Coating.** The Contractor shall be required to repair minor damage to the galvanized coating and to replace any reinforcing exhibiting major coating damage. Major coating damage is defined as more than 2% of the surface area in any 0.3 meter length (e.g. 240mm<sup>2</sup> on a number 13 bar, 360mm<sup>2</sup> on a number 19 bar) . Minor damage is defined as all damaged coating discernable to a person with normal or corrected vision that does not exceed 2% of the surface area in a 0.3 meter length.
5. **Coating Repair.** The area shall be cleaned to a near white condition as defined by SSPC-SP10 using power disk, wire brush, abrasive blasting or other methods approved by the Engineer. The surface shall be clean, dry and free of oil, grease, and other contaminants. Apply a minimum of two coats of zinc rich paint by methods recommended by the manufacturer to obtain a minimum film thickness of 100μm.
6. If the Contractor elects to supply precast barrier, all reinforcing in the barrier shall meet the requirements of §709-11 Galvanized Bar Reinforcement, Grade 400 and all metallic elements in the barrier anchoring system shall be galvanized in accordance with §719-01 Galvanized Coatings and Repair Methods.