

## SECTION 1025—MODIFICATION OF EXISTING BARRIERS

**1025.1 DESCRIPTION**—This work is the modification of existing bridge barriers for the type indicated.

**1025.2 MATERIAL**—

- Class AA Cement Concrete—[Section 704](#)
- Reinforcement Bars—[Section 1002.2](#)
- Concrete Bonding Compound—[Section 706](#)
- Threaded Rods and Couplings and Steel Plates—[Section 1105.02\(a\)2](#).
- Galvanizing—[Section 1105.02\(s\)](#)
- Welding Material—[Section 1105.02\(t\)](#)
- Nuts and Washers—[ASTM A 536](#) for nuts, certified as specified in [Section 106.03\(b\)3](#), and [Section 1105.02\(c\)2.b](#) for washers.
- Dowel Holes—[Section 1003](#)
- Caulking Compound—[Section 705.8](#)
- Joint Backing Material—[Section 705.9](#)
- Overlay Material—[Section 1042.2](#). Use material of the same type as the deck overlay material.

**1025.3 CONSTRUCTION**—In the field, verify sizes, dimensions, and types of materials, as necessary to satisfactorily complete work.

Before beginning barrier modification, submit plans for review and acceptance to the Chief Bridge Engineer. On the plans, show the method of modification proposed, including modification of open joints, expansion dam, and the deck at the existing scuppers.

Satisfactorily repair any damage done to the existing structure beyond the indicated removal limits.

Straighten existing reinforcement that is to remain in place, within the limits of removal. If necessary, cut and bend the existing reinforcement. Wire brush, clean, and paint the existing reinforcement with a coating of neat-cement (semi-liquid mixture of cement and water).

Satisfactorily dispose of debris resulting from the removal operation.

The Department will retain the bridge barrier railings, posts, and miscellaneous hardware. Remove and store within the right of way for removal from the project site by Department forces. When removing railings and posts from the structure, bundle and stack in piles. Store nuts, bolts, washers, and shims in boxes or barrels with the railing elements. Store the bundles and boxes or barrels in a manner to be picked up and moved with a fork lift.

If necessary, provide additional deck overlay. Modify the deck portions of the existing expansion dam, then warp the deck to existing scuppers, when indicated.

**1025.4 MEASUREMENT AND PAYMENT**—Meter (Linear Foot)

For the type indicated, measured from end to end along the inside face of the completed barrier, with no deductions for expansion dams or joint areas.