

706-B-193 BRIDGE RAILING PEDESTRIAN FENCE

(Adopted 10-20-11)

The Standard Specifications are revised as follows:

SECTION 706, AFTER LINE 2, DELETE AND INSERT AS FOLLOWS:

**706.01 Description**

This work shall consist of the furnishing and placing of concrete or steel railings on bridges ; or on top of or aside wingwalls and retaining walls, *furnishing and placing bridge railing pedestrian fences on new or existing bridge railings*, and furnishing and placing reinforced concrete moments slabs in accordance with 105.03.

**706.02 Materials**

Materials shall be in accordance with the following:

Barrier Delineators .....	926.02(c)
<i>Bridge Railing Pedestrian Fence</i> .....	<i>910.18(b)5</i>
Coarse Aggregate, Class B or Higher, Size No. 8 or 9 .....	904
Concrete, Class C .....	702
Dowel Bars .....	910.01(b)10
Joint Materials .....	906
Organic Zinc Primer .....	909.02(a)2
Polyurethane Finish Coat .....	909.02(c)
Reinforcing Bars, Epoxy Coated .....	910.01
Steel Bridge Railing Components .....	910.20

SECTION 706, AFTER LINE 104, INSERT AS FOLLOWS:

**706.05.1 Bridge Railing Pedestrian Fence**

*Posts shall be installed plumb. They may be shimmed with an approved metallic shim. Base plate anchor bolts shall be galvanized, positioned as shown on the plans, and shall be anchored by means of epoxy adhesive.*

*The fabric shall be connected to the tension bar with brace bands and tension bands as shown on the plans.*

*The top and bottom fabric selvages shall be knuckled. If the coating is damaged during handling or placement, such portion of the fabric shall be replaced.*

**706.06 Method of Measurement**

Concrete railing, including all concrete work above the top of curb, will be measured by the linear foot (meter) or by the cubic yard (cubic meter) in accordance with the dimensions shown on the plans. No deductions will be made for reinforcing bars or joints. Concrete bridge railing transition will be measured per each for the type specified.

*Bridge railing pedestrian fence will be measured by the linear foot (meter) along the bottom of the fence, from center to center of end posts.*

SECTION 706, BEGIN LINE 127, INSERT AS FOLLOWS:

### **706.07 Basis of Payment**

The accepted quantities of concrete railing will be paid for at the contract price per linear foot (meter) or cubic yard (cubic meter), for railing, concrete, of the type specified. Steel railing will be paid for at the contract unit price per linear foot (meter) of the type specified. Concrete bridge railing transitions will be paid for at the contract unit price per each for the type specified. *Bridge railing pedestrian fence will be paid for at the contract unit price per linear foot (meter).* Reinforced concrete moment slabs will be paid for at the contract unit price per square yard (square meter) for the thickness specified, complete in place. Underdrains for MSE walls placed under moment slabs will be paid for in accordance with 718.10. Type D-1 contraction joints will be paid for in accordance with 503.08. Reinforcing bars for concrete railings and concrete bridge railing transitions will be paid for in accordance with 703.08. Barrier delineator will be paid for in accordance with 602.06.

SECTION 706, AFTER LINE 143, INSERT AS FOLLOWS:

*Bridge Railing Pedestrian Fence..... LFT (m)*

SECTION 706, AFTER LINE 159, INSERT AS FOLLOWS:

*The cost of all miscellaneous hardware including anchor bolts, base plates, fence post caps, horizontal rail end cups, fence post loop caps, tension bars, tension bands, brace bands, and fabric ties, and replacement fence due to damaging coating during handling or placement shall be included in the cost of bridge railing pedestrian fence.*

SECTION 910, AFTER LINE 1187, INSERT AS FOLLOWS:

#### **5. Bridge Railing Pedestrian Fence**

*Fence posts and horizontal rails shall be in accordance with 910.13(b)1. The zinc-coating weight shall not be less than 2 oz/sq ft.*

*Base plates shall be steel in accordance with ASTM A 709, grade 36 or 50. Galvanization shall be in accordance with AASHTO M 111. The zinc-coating weight shall not be less than 2 oz/sq ft.*

*The chain link fabric shall be coated wire of 9 gage, with a mesh size of 2 in.. The zinc-coating weight of fabric shall not be less than 2 oz/sq ft. The zinc-coating weight of brace bands, fabric ties, fence post loop caps, fence post caps, horizontal rail end cups, tension bands, and tension bars shall not be less than 1.2 oz/sq ft.*