SECTION 525-0002 – PEDESTRIAN BARRIER

525-0002.01  DESCRIPTION. This work shall consist of furnishing and erecting pedestrian barrier in accordance with Section 525 and the Plans.

525-0002.02  MATERIALS. Materials shall meet the requirements of the following subsections:

Mortar, Type IV 707.01(e)

Grease Rustproofing Compound 708.04

Structural Steel 714.02

Anchor Bolts for Bridge Railing 714.07

Galvanizing 726.06

Metalizing 726.07

Bearing Pads 731.01

Elastomeric Material 731.02

Metal Hand Railing 732.01

Aluminum Bridge Railing 732.02

Galvanized Box Beam Bridge Railing 732.03

Steel Beam Bridge Railing 732.04

Concrete shall meet the requirements of Section 501 for Performance-Based Concrete, Class PCD unless otherwise specified in the Contract. For any class of concrete that is not included in Section 501, a shrinkage-compensating admixture shall be added during the initial concrete mixing phase or as recommended by the chemical manufacturer’s product representative. The Contractor shall provide a written recommendation from the chemical manufacturer’s product representative for the appropriate shrinkage-compensating dosage.

Reinforcing steel shall meet the requirements of Section 507.

Materials shall be in accordance with the Plans and specifications and shall be approved by the Engineer prior to use.

525.0002.03  DESIGN REQUIREMENTS. The pedestrian barrier shall be designed and constructed in accordance with the *AASHTO LRFD Bridge Design Specifications* for wind loads, pedestrian loads, and other loads as appropriate and in accordance with the Plans and the design criteria.

525-0002.04  SUBMITTALS. Working drawings and design calculations shall be submitted to the Engineer for review and approval in accordance with Subsection 105.06 and shall include the following:

(a) Complete design drawings and calculations substantiating that the proposed design satisfies the design parameters in the Contract.

(b) General notes pertaining to design criteria and installation of the barrier.

(c) Procedures for handling, storing, and installing the barrier.

(d) A listing of the summary of quantities.

(e) The details for connection of the barrier to the curb.

(f) Other information required by the Contractor or requested by the Engineer.

(g) Working drawings showing all dimensions necessary to construct the barrier. Details not shown on the Plans that are necessary for completing the fabrication drawings shall be developed by the fabricator. The fabrication drawings shall provide a material list on each sheet for tabulating the number of pieces, description, dimensions, and type of material.

525-0002.05  CONSTRUCTION REQUIREMENTS. Pedestrian barrier shall be fabricated and installed as shown on the Plans and in accordance with the manufacturer’s recommendations.

525-0002.06  METHOD OF MEASUREMENT. The quantity of Pedestrian Barrier to be measured for payment will be the number of linear feet installed in the complete and accepted work.

525-0002.07  BASIS OF PAYMENT. The accepted quantity of Pedestrian Barrier will be paid for at the Contract unit price per linear foot. Payment will be full compensation for designing, detailing, furnishing, handling, placing and for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item Pay Item

525.XXXX001  Pedestrian Barrier Linear Foot