

## **PEDESTRIAN RAILING**

### **Description**

This work shall consist of fabricating and installing a steel pedestrian railing in conformance with the plans and as directed by the Engineer. An alternate manufactured metal railing acceptable to the Engineer can be substituted for the railing shown in the proposal. The substituted railing shall be of the height shown in the plans and shall have no opening that will allow a four-inch sphere to pass through. Pedestrian railings are designated as Types 1, 2, or 3 depending on the end post design.

### **Materials**

Material shall meet the requirements of the following sections of the Standard Specifications:

Commercial concrete	6-02.3(2)B
Epoxy grout	6-02.3(20)
Steel posts and balusters	9-16.2(1)A
Galvanizing	9-16.3(3)

All welds shall be ground smooth and exposed pipe ends shall be de-burred and present no sharp edges which could inflict injury if grasped.

### **Construction Requirements**

Excavated holes for the concrete foundations can be treated rigid cardboard forms or PVC pipe if the walls will not retain their shape. The steel sleeves shall be securely placed in the hole or form prior to pouring the concrete. The steel railing shall not be installed until the concrete foundations have reached minimum strength. When installing the railing, temporary blocking may be required to provide the required height until the epoxy grout has set. Railing required for the back of a sidewalk with a radius of less than one hundred feet shall be bent by the fabricator prior to delivery on the job site. Bending shall be smooth and uniform with no visible kinking.

### **Measurement**

Pedestrian railing will be measured by the linear foot along its complete line. This measurement will be from the beginning vertical post to the ending vertical post at their respective bases. The concrete foundations will not be included in this measurement.

### **Payment**

Payment will be made in accordance with Section 1-04.1 of the Standard Specifications for the following bid item in the Proposal:

“Pedestrian Railing Type \_\_\_\_\_”, per linear foot.

Concrete foundations, steel sleeves, epoxy grout, grading, bracing and all other work shall be considered incidental to the item of work.