

SECTION 1087—PA HT BRIDGE BARRIER RAILING

1087.1 DESCRIPTION— This work is the construction of a PA HT Bridge Barrier Railing.

1087.2 MATERIAL— Unless otherwise specified, galvanize steel materials as specified in [Section 1105.02\(s\)](#). Before fabrication, submit shop drawings as specified in [Section 105.02\(d\)](#) for review and acceptance.

(a) Railing.

- Steel Rails. [ASTM A 53/A 53M](#), Type E or S, Grade B, or A.P.I. 5LX52
- Steel Rail Sleeve Member. [ASTM A 53/A 53M](#), Type E or S, Grade B; [ASTM A 36/A 36M](#) or [ASTM A 500](#), Grade B, or A.P.I. - 5LX52
- Sidewalk Rail Tubes. [Section 1022.2\(a\)](#)
- Toggle Bolts for Sidewalk Rail Tube. [Section 1022.2\(b\)](#)
- Sidewalk Rail Rod. [ASTM A 35/A 36M](#)
- Sidewalk Rail Rod Splice. [ASTM A 513](#) or [A 519](#)
- Railing Posts and Base Plates. [Section 1105.02\(a\)2](#)
- Miscellaneous. [Section 1105.02\(a\)2](#)

Certify as specified in [Section 106.03\(b\)3](#).

(b) Anchor Bolts, Nuts, and Washers. [Section 1105.02\(c\)](#), galvanized as specified in [Section 1105.02\(s\)](#).

(c) Caulking Compound. [Section 705.8](#).

1087.3 CONSTRUCTION—As shown on the [Standard Drawings](#), the Contract Drawings, and as follows:

Before erection, use caulking compound and thoroughly coat surfaces of posts in contact with concrete. After erection and alignment, use caulking compound and seal openings between metal surfaces and concrete.

Remove blemishes and scratches from exposed surfaces. For areas that have been damaged, exposing base metal, paint with two coats Zinc Dust-Zinc Oxide Primer, Bulletin 26.

Place joints, as indicated.

At bend areas, do not vary the diameter of rail tubes by more than 5% of the outside dimension when rail tubes are bent to the radii indicated.

Do not open bridge to traffic until bridge railing is placed.

1087.4 MEASUREMENT AND PAYMENT—Meter (Linear Foot), measured from end to end of barrier railing.