

ALABAMA DEPARTMENT OF TRANSPORTATION

DATE: July 13, 2012

Special Provision No. 12-0353

EFFECTIVE DATE: November 1, 2012

SUBJECT: Bridge and Sidewalk Handrail.

Alabama Standard Specifications, 2012 Edition, SECTION 517 shall be amended as follows:

SECTION 517 BRIDGE AND SIDEWALK HANDRAIL

517.02 Materials.

This Article [517.02] shall be replaced by the following:

517.02 Materials.

Materials used in fabrication and installation shall conform to the applicable Section of the Specifications that the structure to which the railing is to be attached was constructed, the details shown on the plans, and the following:

Galvanized Steel Pipe Handrail. Galvanized steel pipe shall meet the requirements of ASTM A 53, Grade B; this grade of pipe to include rail elements and post.

Steel shapes, plates, and accessories shall be structural or alloy steel galvanized in accordance with AASHTO M 111.

Bolts, nuts, washers, and other fasteners shall be galvanized in accordance with AASHTO M 232, Class C, with nuts tapped after galvanization in accordance with **ASTM A 563 {A 563M}**.

Galvanized Steel Handrail. Galvanized steel shall be structural or alloy steel, hot dipped galvanized after fabrication in accordance with AASHTO M 111.

Bolts, nuts, washers, and other fasteners shall be galvanized in accordance with AASHTO M 232, Class C, with nuts tapped after galvanization in accordance with **ASTM A 563 {A 563M}**.

Beam Type Handrail. Beam type handrail shall meet the requirements for beam guardrail as provided in Sections 630 and 864.

Aluminum or Galvanized Steel Sidewalk Handrail. Material for use in aluminum or galvanized steel sidewalk handrail shall meet the requirements specified on the plans.

Concrete Handrail. Concrete handrail shall be cast-in-place type conforming to the appropriate requirements of Section 501 and the details shown on the plans.

Posts for Beam Type Handrail. Steel posts shall meet the requirements of Sections 836 and 864.

Timber posts shall **be treated** in accordance with Section 833.