



# Florida Department of Transportation

JEB BUSH  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

THOMAS F. BARRY, JR.  
SECRETARY

## MEMORANDUM

November 18, 2002

Mr. Donald Davis  
Program Operations Engineer  
Federal Highway Administration  
227 N. Bronough Street, Suite 2015  
Tallahassee, Florida 32301

Re: Office of Design, Specifications  
Section 967  
Proposed Specification: D9670001.D01 - Rail Elements for Guardrail.

Dear Mr. Davis:

We are submitting, for your approval, a proposed Supplemental Specification for Rail Elements for Guardrail.

These changes were developed by Karen Byram, of the State Materials Office.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or [duane.brautigam@dot.state.fl.us](mailto:duane.brautigam@dot.state.fl.us).

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

Duane F. Brautigam, P.E.  
State Specifications Engineer

DFB/jo

Attachment

cc: General Counsel  
Florida Transportation Builders' Assoc.  
State Construction Engineer

**RETAINING RAIL ELEMENTS FOR GUARDRAIL.  
(REV 9-16-02)**

ARTICLE 967-1 (Page 910) is deleted and the following substituted:

**967-1 Steel Guardrail.**

Steel guardrail materials shall meet the requirements of AASHTO M 180, (except as specified below), and for either Class shown. Type 2 zinc coating will be required.

As an exception to the requirements of AASHTO M 180, the *coating properties, sampling, test methods, inspection, and certification related to galvanizing regardless of the method of galvanization* of the rail elements shall meet the requirements of ASTM A 123 [ASTM A 123M].

All supports, fastenings and other accessories, including bolts, nuts, washers, etc., (and including the steel trailing end-anchorage rods required to be used with aluminum guardrail) shall be galvanized as specified in ASTM A 153 [ASTM A 153M].

Acceptance of steel guardrail materials shall be based on manufacturer's certified mill analysis of test results meeting the specification limits of the ASTM or AASHTO designation as stated above. Certification of these test values, representing each shipment of guardrail materials, shall be provided to the Engineer for each project.

**RAIL ELEMENTS FOR GUARDRAIL.  
(REV 9-16-02)**

ARTICLE 967-1 (Page 910) is deleted and the following substituted:

**967-1 Steel Guardrail.**

Steel guardrail materials shall meet the requirements of AASHTO M 180, (except as specified below), and for either Class shown. Type 2 zinc coating will be required.

As an exception to the requirements of AASHTO M 180, the coating properties, sampling, test methods, inspection, and certification related to galvanizing regardless of the method of galvanization of the rail elements shall meet the requirements of ASTM A 123 [ASTM A 123M].

All supports, fastenings and other accessories, including bolts, nuts, washers, etc., (and including the steel trailing end-anchorage rods required to be used with aluminum guardrail) shall be galvanized as specified in ASTM A 153 [ASTM A 153M].

Acceptance of steel guardrail materials shall be based on manufacturer's certified mill analysis of test results meeting the specification limits of the ASTM or AASHTO designation as stated above. Certification of these test values, representing each shipment of guardrail materials, shall be provided to the Engineer for each project.