



# Florida Department of Transportation

JEB BUSH  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.  
SECRETARY

December 20, 2005

Mr. Donald Davis  
Program Operations Engineer  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: Office of Design, Specifications  
Section 521  
Proposed Specification: 5210304-Concrete Barriers, Traffic Railing Barriers and Parapets

Dear Mr. Davis:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Concrete Barriers, Traffic Railing Barriers and Parapets.

This change was proposed by David O'Hagan of the Roadway Design Office to substitute reference to the Structures Design Standards with reference to the Design Standards.

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,

Signature on file

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

DFB/sh

Attachment

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

**CONCRETE BARRIERS, TRAFFIC RAILING BARRIERS AND PARAPETS.  
(REV 11-7-05)**

ARTICLE 521-1 (of the Supplemental Specifications). The first paragraph is deleted and the following substituted:

**521-1 Description.**

Construct Precast or Cast In Place concrete barriers, traffic railing barriers and parapets, herein referred to as “Barrier Wall”, in accordance with the *Design Standards and/or* details shown in the plans. Use stationary removable forms or sliding forms to construct the barrier wall. Do not use permanent precast concrete barrier wall on bridge or box culvert structures.

ARTICLE 521-2 (of the Supplemental Specifications) is deleted and the following substituted:

**521-2 Materials.**

Meet the following requirements:

Portland Cement Concrete .....	Section 346
Reinforcing Steel .....	Section 415
Joint Materials.....	Section 932
<i>Reflector Elements .....</i>	<i>Section 993</i>

SUBARTICLE 521-3.2 (of the Supplemental Specifications) is deleted and the following substituted:

**521-3.2 Precast Temporary Barrier Wall Meeting the Requirements of the Roadway and Traffic Design Standards, Index No. 415:** Use Precast Temporary Barrier Wall when certification is provided to the Engineer that the Precast Temporary Barrier Wall was constructed in accordance with and meets the requirements of the Design Standards, Index No. 415, and meets the approval of the Engineer.

SUBARTICLE 521-3.4 (of the Supplemental Specifications) is deleted and the following substituted:

**521-3.4 Procurement of Precast Temporary Barrier Wall Meeting the Requirements of Structures Standards Index No. 715 Design Standards, Index No. 414:** Obtain and use Precast Temporary Barrier Wall from a manufacturing plant that is currently on the Department’s list of the qualified Precast Concrete Barrier Wall plants.

SUBARTICLE 521-3.5 (of the Supplemental Specifications) is deleted and the following substituted:

**521-3.5 Reflector Elements:** Mount reflectors onto the barriers in accordance with the details shown in the plans and the Design Standards. ~~Provide reflectors that meet the requirements of 993-5.~~

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(REV 11-7-05)**

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Reinforcing Steel .....	Section 415
Joint Materials.....	Section 932
Reflector Elements.....	Section 993

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