



*Florida Department of Transportation*

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GOVERNOR

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Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

October 9, 2023

Khoa Nguyen  
Director, Office of Technical Services  
Federal Highway Administration  
3500 Financial Plaza, Suite 400  
Tallahassee, Florida 32312

Re: State Specifications Office  
Section: 521  
Proposed Specification: **5210300 Concrete Barriers, Traffic Railings, and Parapets.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Joshua Turley to add a precast version of the Concrete Noise Wall Barrier to the existing Standards.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.  
State Specifications Engineer

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**CONCRETE BARRIERS, TRAFFIC RAILINGS, AND PARAPETS.**  
**(REV 6-29-23)**

ARTICLE 521-3 is deleted and the following substituted:

**521-3 Requirements.**

**521-3.1 Precast Temporary Concrete Barrier:** Meet the requirements of 102-9.5.

**521-3.2 Precast Noise Wall Barrier Requirements:** Obtain precast concrete components from a plant that is currently on the Department's Production Facility Listing. Producers seeking inclusion on the list must meet the requirements of Section 105.

Do not accept products that are not permanently and clearly stamped on the tongue and groove portion of the panel and posted with the type, date cast, project number, and the manufacturer's name or symbol by the Producer.

**521-3.2.1 Casting Tolerances:** Maintain the following casting tolerances:

1. Overall Height and Width: +/- 1/4"
2. Thickness: +/- 1/4"
3. Out of Square: 1/8" per 6 ft., but not more than 3/8" total along any side
4. Warping: 1/16" per foot distance to nearest corner
5. Bowing: 1/240 segment dimension
6. Surface Smoothness: +/- 1/16"
7. Tongue and groove joint dimensions: +/- 1/4"

**521-3.2.2 Shop Drawing Submittal:** Submit shop drawings for precast elements, when required, in accordance with Section 5, showing a plan and elevation with the following project specific information:

1. Begin and end wall stations with offsets
2. Horizontal and vertical alignments of the wall
3. Segment locations and lengths
4. Segment locations for:
  - a. Graphic details for architectural inlays as required
  - b. Special detailing for drainage requirements
5. Elevations of top of segments
6. Existing ground and finished grade elevations
7. Top panel to precast base grouted and dowelled joint dowel and sleeve locations
8. Non-standard precast component details
9. Lifting devices

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