



Florida Department of Transportation

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GOVERNOR

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STEPHANIE KOPELOUSOS
INTERIM SECRETARY

March 2, 2007

Dr. Leslie McCarthy, PhD, P.E.
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 523
Proposed Specification: 5230202 – Patterned/Textured Pavement – Performance
Requirements

Dear Dr. McCarthy:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Patterned/Textured Pavement-Performance Requirements.

This change was proposed by Jim Mills of the Roadway Design Office to delete the BPN test requirement.

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.

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/cs/sh
Attachment

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

**PATTERNED/TEXTURED PAVEMENT-PERFORMANCE REQUIREMENTS.
(REV 3-1-07)**

SUBARTICLE 523-2.2 (Page 592) is deleted and the following substituted:

523-2.2 Performance Requirements: QPL approval will be contingent on a field service test demonstrating that the imprinted texture and coating materials meet the following performance measures at the end of three years from opening to traffic:

1. The imprint must maintain a depth of 50% of the original installed depth and width.
2. Wearing of the material coating shall not expose more than 15% of the underlying surface area.

3. Friction performance of patterned/textured pavement materials must meet or exceed a British Pendulum Number (BPN) of 40 in accordance with ASTM E-303, measuring surface frictional properties using the British Pendulum Tester, or an FN40R value of 35 in accordance with ASTM E-274.

The field service test installation shall be within a marked crosswalk on a roadway with an ADT of 8,000 to 12,000 vehicles per day per lane, approved by the State Materials Office. The test installation shall be a minimum six feet wide and extend from pavement edge to pavement edge across all traffic lanes and shoulder pavement at the crosswalk location. The test installation will be tested for skid resistance and wear in accordance with the specifications.

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