

ORIGINATION FORM

Date: **11-9-2013**
Originator: **Karen Byram**
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(850) 414-4353

Specification Title: **Section 523 Patterned Pavement**
Specification Section, Article, or Subarticle Number: **523-1 Description**

Why does the existing language need to be changed? **The Designers are using the specification to incorrectly identify alternative pavement finishes.**

Summary of the changes: **The patterned pavement has been defined as a post applied overlay to the pavement surface.**

Are these changes applicable to all Department jobs? **Yes**
If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? **No**
If yes, what is the estimated change in costs?

With who have you discussed these changes? **Greg Prytyka, Roadway Design; Missy Hollis, Paul Gentry and Dan Scheer, Specifications and Estimates;**

What other offices will be impacted by these changes? **None**

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? **Changes to the PPM have been requested through Greg Prytyka, but are not required.**

Are all references to external publications current? **Yes**
If not, what references need to be updated (please include changes in the redline)?

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? **No**

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: November 26, 2013
TO: Specification Review Distribution List
FROM: Daniel Scheer, P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **5230100 Patterned Pavement.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Karen Byram of the Product Evaluation Office to clarify the language

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **December 24, 2013**, may not be considered. Your input is encouraged.

DS/dt
Attachment

PATTERNED PAVEMENT.

(REV 11-813-13)

ARTICLE 523-1 is deleted and the following substituted:

523-1 Description.

~~Construct~~*Install* patterned pavement on asphalt or concrete pavement areas at locations and with the color and pattern as specified in the Plans. Use products listed on the Qualified Products List (QPL), as approved for use in areas subject to vehicular traffic or non-vehicular traffic, respectively, as specified herein. Install products in accordance with manufacturer's recommendations.

For the purpose of this Specification, patterned pavements are defined as *a post applied* surface markings ~~applied either as an~~ overlay to *either* the pavement surface or *to an* imprinted ~~in the~~ pavement surface. Vehicular traffic areas are defined as those subject to vehicles within the traveled way, shoulders and auxiliary lanes. Non-vehicular travel areas include medians, islands, curb extensions, sidewalks, borders, plazas and other areas typically subject to foot traffic only.

~~For installation of~~*finish* overlay products in areas subject to vehicular traffic; ~~to be finished~~ *a* thickness ~~shall not exceed~~*ing* 180 mils. *Do not use* ~~P~~products requiring removal of pavement or requiring blockouts or trenches below the top of pavement, ~~shall not be used~~.

~~Provide the pattern type and color as specified in the Plans.~~ Variations within a pattern shall comply with ADA requirements.

SUBARTICLE 523-2.2 is deleted and the following substituted:

523-2.2 Qualified Products List (QPL): Manufacturers seeking evaluation of their product shall submit an application in accordance with Section 6 along with the following documentation:

1. Manufacturer's recommendations for applicability of use on concrete or asphalt surfaces.
2. Manufacturer's recommendation for applicability of use in vehicular or non-vehicular travel areas.
3. Manufacturer's specifications and procedures for materials and installation for each use above.
4. For products proposed for use in vehicular traffic areas, independent test data verifying the material meets the requirements of this Section including verification that the product, installed in accordance with the manufacturer's specifications and procedures, has been tested in accordance with either:
 - a. ASTM E-274, Skid Resistance of Paved Surfaces using a standard ribbed full scale tire at a speed of 40 mph (FN40R), and has a minimum FN40R value of 35, or
 - b. ASTM E-1911, Measuring Paved Surface Frictional Properties Using the Dynamic Friction Tester (DFT), at a speed of 40 mph (DFT40), and has a minimum DFT40 value of 40.
5. For products proposed for use in non-vehicular traffic areas, independent test data verifying the material meets the requirements of this Section including

verification that the product, installed in accordance with the manufacturer's specifications and procedures, has been tested in accordance with ASTM E-303 using the British Pendulum Tester and has a British Pendulum Number (BPN) of at least 40.

6. For products proposed for use as a bike lane application, independent testing verifying that the material can meet the color as identified in the April 15, 2011, Interim Approval for Optional use of Green Colored Pavement for Bike Lanes, Interim Approval (IA-14) Memorandum Valid Under the 2009 MUTCD

http://mutcd.fhwa.dot.gov/resources/interim_approval/ia15/ia15_m1_9.pdf

http://mutcd.fhwa.dot.gov/resources/interim_approval/ia14/ia14grnpmbiketlanes.pdf).