



Florida Department of Transportation

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Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

January 27, 2022

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

Re: State Specifications Office
Section: **523**
Proposed Specification: **5230000 Patterned Pavement. ***

Dear Mr. Nguyen:

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

The changes are proposed by Karen Byram to remove Non-Vehicular references and associated pay item. Also added language consistent with other pavement marking installation instructions.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to 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

*Associated with proposed Standard Specification revision 9740000.

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

PATTERNED PAVEMENT.**(REV 11-1627-212)**

SECTION 523 is deleted and the following substituted:

**SECTION 523
PATTERNED PAVEMENT****523-1 Description.**

Patterned pavement is defined as a post applied surface marking ~~overlay material~~ to either the pavement surface or to an imprinted pavement surface. ~~Vehicular traffic areas are defined as areas subject to vehicles within the traveled way, shoulders and bicycle lanes. Non-vehicular traffic areas include medians, islands, curb extensions, sidewalks, borders, plazas and other areas typically subject to foot traffic only.~~

523-2 Materials.

~~Use patterned pavement products approved for use in vehicular and non-vehicular areas, as appropriate.~~

Use patterned pavement products listed on the Department's Approved Product List (APL) meeting the requirements of Section 974.

Prior to installation, submit pattern and color samples to the Engineer for confirmation that the product meets the pattern and color specified in the Plans. Do not begin installation until acceptance by the Engineer.

The Engineer will take random samples of all material in accordance with the Department's Sampling, Testing and Reporting Guide schedule.

523-3 Construction Requirements.

Install patterned pavement on asphalt or concrete locations with the color and pattern as specified in the Plans. Prepare the surface and install patterned pavement in accordance with the manufacturer's installation instructions, using materials and equipment recommended and approved by the manufacturer. ~~Color shall be integral and consistent throughout the installation.~~

Install overlay products ~~in areas subject to vehicular traffic~~ to a thickness not exceeding 180 mils.

Patterns and Variations within the installation shall comply with ADA requirements.

Complete all utility, traffic loop detector, and other items requiring a cut and installation under the finished surface, prior to product installation.

Protect treated surfaces from traffic and environmental effects until the product is completely installed, including drying and curing according to the manufacturer's instructions.

For installation on new asphalt roadways, apply patterned pavement a minimum of 14 days after placement of the adjacent pavement.

Patterned pavements shall be weather resistant, friction resistant, and through normal wear, shall show no signs of failure due to tearing, stretching, rollback, blistering, excessive cracking, chipping, discoloration, poor adhesion to the pavement, pavement damage, or vehicular damage.

Upon completion of the installation, the Engineer will check the area at random locations for geometric accuracy. If any of the chosen areas are found to be deficient, correct the entire patterned area at no additional cost to the Department.

Submit certification to the engineer, including the APL number and that the patterned pavement was installed in accordance with the manufacturer's installation instructions and this Section.

523-4 Method of Measurement.

The quantity to be paid will be the plan quantity in square yards of patterned pavement, completed and accepted. No deduction will be made for areas occupied by landscaping, manholes, inlets, drainage structures, or by any public utility appurtenances within the area.

523-5 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section.

Payment will be made under:

Item No. 523- 3- Patterned Pavement (~~Vehicular Areas~~)— per square yard.

~~Item No. 523— 2 ——— Patterned Pavement (Non Vehicular Areas) — per square yard.~~

PATTERNED PAVEMENT.**(REV 1-27-22)**

SECTION 523 is deleted and the following substituted:

**SECTION 523
PATTERNED PAVEMENT****523-1 Description.**

Patterned pavement is defined as a post applied surface marking material to either the pavement surface or to an imprinted pavement surface.

523-2 Materials.

Use patterned pavement products listed on the Department's Approved Product List (APL) meeting the requirements of Section 974.

Prior to installation, submit pattern and color samples to the Engineer for confirmation that the product meets the pattern and color specified in the Plans. Do not begin installation until acceptance by the Engineer.

The Engineer will take random samples of all material in accordance with the Department's Sampling, Testing and Reporting Guide schedule.

523-3 Construction Requirements.

Install patterned pavement on asphalt or concrete locations with the color and pattern as specified in the Plans. Prepare the surface and install patterned pavement in accordance with the manufacturer's installation instructions, using materials and equipment recommended and approved by the manufacturer.

Install overlay products to a thickness not exceeding 180 mils.

Patterns and variations within the installation shall comply with ADA requirements.

Complete all utility, traffic loop detector, and other items requiring a cut and installation under the finished surface, prior to product installation.

Protect treated surfaces from traffic and environmental effects until the product is completely installed, including drying and curing according to the manufacturer's instructions.

For installation on new asphalt roadways, apply patterned pavement a minimum of 14 days after placement of the adjacent pavement.

Patterned pavements shall be weather resistant, friction resistant, and through normal wear, shall show no signs of failure due to tearing, stretching, rollback, blistering, excessive cracking, chipping, discoloration, poor adhesion to the pavement, pavement damage, or vehicular damage.

Upon completion of the installation, the Engineer will check the area at random locations for geometric accuracy. If any of the chosen areas are found to be deficient, correct the entire patterned area at no additional cost to the Department.

Submit certification to the engineer, including the APL number and that the patterned pavement was installed in accordance with the manufacturer's installation instructions and this Section.

523-4 Method of Measurement.

The quantity to be paid will be the plan quantity in square yards of patterned pavement, completed and accepted. No deduction will be made for areas occupied by landscaping, manholes, inlets, drainage structures, or by any public utility appurtenances within the area.

523-5 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section.

Payment will be made under:

Item No. 523- 3- Patterned Pavement - per square yard.