



Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

November 8, 2023

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

Re: State Specifications Office
Section: 714 NEW SECTION
Proposed Specification: **7140000 Green-Colored Pavement Markings.**
Associated with Proposed Specification: **9740100**

Dear Mr. Nguyen:

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

The changes are proposed by Guangming Wang to add the (previous Developmental Specification) Green-Colored Pavement Markings to the Standard Specifications.

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.

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

GREEN-COLORED PAVEMENT MARKINGS.**(REV 9-26-23)**

The following new Section is added:

SECTION 714**GREEN-COLORED PAVEMENT MARKINGS****714-1 Description.**

Apply new green-colored pavement markings in accordance with the Contract Documents.

714-2 Materials.

Use materials meeting the following requirements:

Green-Colored Pavement Marking Materials..... Section 974

*Use products on the Department's Approved Products List (APL).

714-3 Equipment.

Use equipment in accordance with the manufacturer's installation instructions.

714-4 Application.

714-4.1 General: Remove existing pavement markings using a method approved by the Engineer such that pavement surface scars or traces of the removed pavement markings will not conflict with new pavement markings. Do not use paint to blackout, hide, or disguise existing pavement markings.

For installation on new asphalt roadways, apply pavement markings a minimum of 14 days after placement of the final asphalt surface course.

Before applying pavement markings, remove any material that would adversely affect the bond of the pavement markings by a method approved by the Engineer. Follow the manufacturer's recommendations for surface preparation.

For each green-colored pavement marking location, produce and provide a video record of the pavement before and after installations. Video records with timestamp will be provided to the Department within one week after installation. Provide video files via digital media (DVD, flash drive, or other) or by online digital distribution with a minimum standard resolution of 720 x 480 and at a speed not greater than 6 feet per second. The video image shall be clear, focused, and relatively free from roll, static, or other image distortion qualities that would prevent the reviewer from evaluating the condition of the roadway surface.

714-4.2 Preformed Thermoplastic: Apply a primer, sealer, or surface preparation adhesive as recommended by the manufacturer's recommendations prior to installation. Perform mechanical blasting or abrading and subsequent surface cleaning as recommended.

Apply markings to dry surfaces only and when ambient air temperature is at least 32°F. Prior to installation, follow the manufacturer's recommendations for pre-heating. Apply 0.125 inch or 125 mils of preformed thermoplastic material. Apply skid resistant material in accordance with the manufacturer's instructions.

714-4.3 Two Reactive Component System: Install two reactive component pavement markings in accordance with manufacturer's recommendations.

Install two reactive component pavement markings in areas subject to vehicular traffic to a thickness meeting manufacturer recommended thickness requirements.

714-5 Contractor's Responsibility for Notification.

Notify the Engineer prior to the placement of the materials. At the time of notification, submit a certification to the Engineer with the Product name and the batch or Lot numbers of the preformed thermoplastic or two component reactive pavement markings to be used.

714-6 Protection of Newly Applied Pavement Markings.

Do not allow traffic onto or permit vehicles to cross newly applied pavement markings until they are sufficiently dry. Remove and replace any portion of the pavement markings damaged by passing traffic or from any other cause, at no additional cost to the Department.

714-7 Method of Measurement.

The quantity to be paid for will be the plan quantity area, in square feet, of green-colored pavement markings acceptably applied, subject to 9-1.3.2.

714-8 Basis of Payment.

Prices and payments will be full compensation for all work specified in this Section, including, all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of all items, protection of traffic, furnishing of all tools, machines and equipment, and all incidentals necessary to complete the work. Final payment will be withheld until all deficiencies are corrected.

Payment will be made under:

Item No. 714- 10- Green-Colored Pavement Markings – per square foot.

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714-4.3 Two Reactive Component System: Install two reactive component pavement markings in accordance with manufacturer's recommendations.

New Section from existing Developmental Specification

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