Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

August 6, 2026

Daniel Holt, PE, PTOE
Director, Project Delivery
Director, Technical Services
FHWA
400 West Washington Street, Suite 4200
Orlando, FL 32801

Re: State Specifications Office
Section: 350
Proposed Specification: **3500100 Cement Concrete Pavement**

Dear Mr. Holt:

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

The changes are proposed by Mateo Carvajal to update terminology and provide an alternative with an accepted method for development of the maturity relationship and determination of opening-to-traffic time.

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/am
Attachment
cc: Florida Transportation Builders' Assoc.
State Construction Engineer

CEMENT CONCRETE PAVEMENT
(REV 6-1-26)

ARTICLE 350-1 is deleted and the following substituted:

350-1 Description.

Construct ~~Portland cement~~ concrete pavement in one course, on a prepared subgrade or base. Use either the fixed-form or the slip-form method of construction. When reinforced cement concrete pavement is specified or required, use concrete reinforced with steel bars or welded wire reinforcement, in accordance with details shown in the Plans. The Engineer may require a demonstration of equipment and paving operations.

If any uncontrolled cracks appear during the life of the Contract, remove and replace the cracked concrete at no expense to the Department. Investigate and implement immediate effective solutions to eliminate further cracks, in consultation with, and subject to the approval of the Engineer.

ARTICLE 350-18 is deleted and the following substituted:

350-18 Opening Pavement to Traffic.

Construct an earth berm along longitudinal free edges of the pavement within 36 hours, when newly placed concrete pavement is constructed on a granular base of an erodible material. Build the berm to the full height of the pavement and at least 18 inches wide. Sufficiently compact the berm to prevent underwash of the pavement. Maintain the berm until the final shoulders are complete.

Keep the pavement closed to traffic, including construction operations until one of the following conditions has been met:

1. Fourteen calendar days after placement of the concrete.~~: or.~~
2. Field-cured ~~T~~test cylinders, made in accordance with ASTM C31 and tested in accordance with ASTM C39, indicate a compressive strength of at least 2,000 psi. ~~(~~eCure these test cylinders in a manner identical to the corresponding section of pavement~~).~~:or.
3. ~~Provide a~~A strength-maturity relationship,~~curve as outlined by FM 3-C 1074 for opening to traffic determined during design mix verification~~ established during mix design verification in accordance with AASHTO T 413 or FM 3-C 1074, indicating that the concrete has achieved a compressive strength of at least 2,000 psi. ~~Use the maturity method specified in this Section to:~~

~~a. Determine if~~ whether ~~the concrete has achieved 2,000 psi and can be opened to traffic.~~

~~b.~~ Verify the strength of the last slab of each day's placement.

~~Fabricate three test cylinders for strength and maturity curve correlation testing. The compressive strength cylinders and maturity curve correlation testing will be performed at the first day of production or at the discretion of the Engineer.~~

CEMENT CONCRETE PAVEMENT
(REV 6-1-26)

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350-1 Description.

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350-18 Opening Pavement to Traffic.

Construct an earth berm along longitudinal free edges of the pavement within 36 hours, when newly placed concrete pavement is constructed on a granular base of an erodible material. Build the berm to the full height of the pavement and at least 18 inches wide. Sufficiently compact the berm to prevent underwash of the pavement. Maintain the berm until the final shoulders are complete.

Keep the pavement closed to traffic, including construction operations until one of the following conditions has been met:

1. Fourteen calendar days after placement of the concrete.
2. Field-cured test cylinders, made in accordance with ASTM C31 and tested in accordance with ASTM C39, indicate a compressive strength of at least 2,000 psi. Cure these test cylinders in a manner identical to the corresponding section of pavement.
3. A strength-maturity relationship, established during mix design verification in accordance with AASHTO T 413 or FM 3-C 1074, indicating that the concrete has achieved a compressive strength of at least 2,000 psi. Verify the strength of the last slab of each day’s placement.