



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

December 7, 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 350
Proposed Specification: 3501600.D01 – Opening Pavement to Traffic

Dear Dr. McCarthy:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Opening Pavement to Traffic.

This change was proposed by Tom Malerk of the State Materials Office to delete the exception for Type III Cement and to update ASTM testing reference and psi requirement for flexural strength.

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,

Signature on file

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/sh
Attachment

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

CEMENT CONCRETE PAVEMENT.
(REV ~~7-19-07~~~~10-16-07~~~~10-23-07~~~~12-6-07~~)

ARTICLE 350-16 (Page 342) is deleted and the following substituted:

350-16 Opening Pavement to Traffic.

Construct an earth berm along each edge of the pavement within 36 hours of finishing any newly placed concrete pavement. Build the berm to the full height of the pavement and at least 18 inches wide, and sufficiently compacted to prevent underwash of the pavement. Maintain the berm until the final shoulders are complete.

Except as provided below ~~and on days when the surface temperature of the concrete falls below 50°F~~, keep the pavement closed to traffic for a minimum period ~~(exclusive of days when surface temperature of the concrete falls below 50°F)~~ of 14 calendar days after placement of the concrete. ~~As an exception to the above, when Type III cement is used, the Engineer will reduce this minimum required period to 48 hours.~~ The Engineer may permit opening of a section of pavement to traffic at an earlier time provided that representative test ~~beams~~*cylinders*, made in accordance with ASTM C 31 and tested in accordance with ASTM C ~~78~~*39*, indicate a ~~flexural~~*compressive* strength of at least ~~550~~*2200* psi. Cure these test ~~beams~~*cylinders* in a manner identical to the corresponding section of pavement.

Protect the pavement from all traffic, including construction operations, until the specified period of time has elapsed ~~in accordance with the current edition of the Design Standards.~~ *Protect the pavement from ambient temperatures below 50°F for the calendar days or until the required compressive strength has been attained.*

**CEMENT CONCRETE PAVEMENT.
(REV 12-6-07)**

ARTICLE 350-16 (Page 342) is deleted and the following substituted:

350-16 Opening Pavement to Traffic.

Construct an earth berm along each edge of the pavement within 36 hours of finishing any newly placed concrete pavement. Build the berm to the full height of the pavement and at least 18 inches wide, and sufficiently compacted to prevent underwash of the pavement. Maintain the berm until the final shoulders are complete.

Except as provided below, keep the pavement closed to traffic for a minimum period of 14 calendar days after placement of the concrete. The Engineer may permit opening of a section of pavement to traffic at an earlier time provided that representative test cylinders, made in accordance with ASTM C 31 and tested in accordance with ASTM C 39, indicate a compressive strength of at least 2200 psi. Cure these test cylinders in a manner identical to the corresponding section of pavement.

Protect the pavement from all traffic, including construction operations, until the specified period of time has elapsed. Protect the pavement from ambient temperatures below 50°F for the calendar days or until the required compressive strength has been attained.