



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

October 10, 2023

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

Re: State Specifications Office
Section: 347
Proposed Specification: **3470201 Portland Cement Concrete - Class NS.**

Dear Mr. Nguyen:

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

The changes are proposed by Richard DeLorenzo to adopt the national standard for coarse and fine aggregates used in nonstructural portland cement concrete (Class NS), update Admixture reference to match APL category and Spec Section 924; and add direction to use admixtures from the Department's APL.

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

PORTLAND CEMENT CONCRETE - CLASS NS.
(REV 8-23-23)

ARTICLE 347-1 is deleted and the following substituted:

347-1 Description.

The requirements of this Section are applicable to concrete designated as nonstructural portland cement concrete, (Class NS) hereinafter referred to as concrete. Use concrete composed of a mixture of portland or blended cement, aggregates, water, and where specified chemical admixtures, or supplementary cementitious materials. Deliver concrete to placement site in a freshly mixed, unhardened state. Ensure the concrete is placed and cured in a manner to ensure that the strength and durability of the concrete is maintained.

SUBARTICLE 347-2.1 is deleted and the following substituted:

347-2.1 General: ~~Certify that~~Ensure all materials used in concrete are ~~from Department approved sources, and~~ free from detrimental matter and deleterious reaction.

Meet the following requirements:

Portland Cement..... Section 921 or ASTM C150
Blended Cement..... Section 921 or ASTM C595
 Coarse Aggregate* Section 901 or ASTM C33
 Fine Aggregate* Section 902 or ASTM C33
 Water Section 923 or ASTM C1602
~~Chemical~~ Admixtures for Concrete*Section 924
.....or ASTM C494 and ASTM C260
 Supplementary Cementitious Materials ..Section 929
.....or ASTM C618 and ASTM C989

* Recycled Asphalt Pavement (RAP) may replace up to 20% of the total aggregate in the design mix. Use RAP from a Department approved stockpile.

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or ASTM C494 and ASTM C260
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