



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
INTERIM SECRETARY

January 26, 2007

Mrs. 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 446
Proposed Specification: 4460300-Edgedrain (Draincrete)

Dear Mrs. McCarthy:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Edgedrain (Draincrete).

This change was proposed by Tom Malerk of the State Materials Office to use the word LOT in the specification.

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: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

EDGEDRAIN (DRAINCRETE).**(REV ~~11-20-06~~1-26-07)**

SUBARTICLE 446-3.1 (Page 438 and 439) is deleted and the following substituted:

446-3 Control of Quality.

446-3.1 Concrete Design Mix: Submit the proposed design mix prior to production, on the “Concrete Mix Design” form, for the Engineer’s approval. Use only draincrete design mixes having prior approval of the Engineer. Do not change the design mix component materials except as per 446-3.2.

~~Furnish sufficient material of each component to the Engineer, for verification of the proposed mix design by the State Materials Office.~~ *The Department will verify the proposed mix design and may witness the trial batching.* Meet the unit weight requirements as determined in accordance with FM 5-530, and the drain rate in accordance with FM 5-570. Also, provide one of the following with the design mix submittal:

(1) Evidence from three sets of production data, either from Department acceptance tests or independently verifiable commercial mixes, that draincrete produced in accordance with the proposed design mix meets the requirements of this Section.

(2) Test data from a single trial batch of 0.10 yd³ minimum is required, which demonstrates that the draincrete produced using the proposed mix, designated ingredients, and designated water-cement ratio meets the requirements of this Section.

SUBARTICLE 446-5.1 (Page 439) is deleted and the following substituted:

446-5.1 General: The Engineer will take random samples of the draincrete at the point of placement ~~and to determine the drain rate~~ in accordance with FM 5-570 to determine the drain rate. A minimum of two test cylinders will be made for each ~~LOT~~ ~~QC sample~~ *LOT*. A ~~LOT~~ ~~QC sample~~ *LOT* represents one day’s production of each mix design.

EDGEDRAIN (DRAINCRETE).**(REV 1-26-07)**

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446-3 Control of Quality.

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The Department will verify the proposed mix design and may witness the trial batching. Meet the unit weight requirements as determined in accordance with FM 5-530, and the drain rate in accordance with FM 5-570. Also, provide one of the following with the design mix submittal:

(1) Evidence from three sets of production data, either from Department acceptance tests or independently verifiable commercial mixes, that draincrete produced in accordance with the proposed design mix meets the requirements of this Section.

(2) Test data from a single trial batch of 0.10 yd³ minimum is required, which demonstrates that the draincrete produced using the proposed mix, designated ingredients, and designated water-cement ratio meets the requirements of this Section.

SUBARTICLE 446-5.1 (Page 439) is deleted and the following substituted:

446-5.1 General: The Engineer will take random samples of the draincrete at the point of placement to determine the drain rate in accordance with FM 5-570 to determine the drain rate. A minimum of two test cylinders will be made for each LOT. A LOT represents one day's production of each mix design.