

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Modify Specification _____446_____.
Section/File number

New Section _____.
Section number

Subject: Edgedrain (Draincrete) – Control of Quality/Sampling and Testing

Origination date: November 3, 2006

Originator: Tom Malerk

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Email address/ tom.makerk@dot.state.fl.us

Userid: rt820tm

Problem statement: Section 446 is modified to reflect new requirements for mix design approval and defining Quality Control sections.

Information source: Michael Bergin, State Materials Office (352) 955-6666

Background data: The proposed changes will delete the use of the word “LOT” in association with the sampling and testing.

Recommended

Usage Note: All contracts let after July 2007

Estimated fiscal

impact, if

implemented: None

Implementation of these changes, if and when approved, will begin with the July 2007 letting.



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.
SECRETARY

MEMORANDUM

DATE: November 20, 2006
TO: Specification Review Distribution List
FROM: Duane F. Brautigam, P.E., State Specifications Engineer
SUBJECT: Proposed Specifications Change: 4460300-Edgedrain (Draincrete)

In accordance with Specification Development Procedures, we are sending you a copy of a proposed new specification change for Edgedrain (Draincrete).

This change was proposed by Tom Malerk of the State Materials Office to delete the use of the word "LOT" in association with the sampling and testing.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DB or duane.brautigam@dot.state.fl.us. Comments received after December 18, 2006 may not be considered. Your input is encouraged.

DFB/sh

Attachment

COMMENTS:

Submitted by:

Phone #:

EDGEDRAIN (DRAINCRETE).
(REV 11-20-06)

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* 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*. A ~~LOT~~ *QC sample* represents one day’s production of each mix design.