



Florida Department of Transportation

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SECRETARY

February 14, 2019

MATERIALS BULLETIN NO. 04-19

DCE MEMORANDUM NO. 04-19

(FHWA Approved: 2/14/2019)

TO: DISTRICT MATERIALS AND RESEARCH ENGINEERS
DISTRICT CONSTRUCTION ENGINEERS

FROM: Timothy Ruelke P.E., Director, Office of Materials
Amy Tootle, P.E., State Construction Engineer

COPIES: Courtney Drummond, Amy Tootle, Ananth Prasad, Chad Thompson Nick Finch, Jose Armenteros, Richard DeLorenzo, Patrick Carlton, Thomas Frank, Tim Counts

SUBJECT: SUWANNEE AMERICAN CEMENT COMPANY, SUMTERVILLE, FL (CMT40)

In order to prevent concrete placement delays on ongoing construction projects due to the shortage of cement from the Suwannee American Cement Company (CMT40) Sumterville cement plant, concrete producers may request the Department to implement a modified mix design approval process. This memorandum will allow placement of concrete prior to receiving formal Department mix design approval, and is only applicable for replacing Suwannee American Cement Company (CMT40) Sumterville cement incorporated in currently approved concrete mix designs assigned to current projects. The Contractor/Producer assumes all risks involved for ensuring that plastic and hardened properties are in compliance with the specifications at the time of placement.

If the modified mix approval process is used, the following requirements must be met:

1. District Materials Office personnel will ensure the replacement mix contains the same component materials and quantities as the replaced mix and only cement substitution of the same type (I/II, II(MH), III) is permitted. The new mix must meet the same requirements as the old mix, including yield, plastic and hardened properties. Adjustments to weights according to specific gravity of replacement cement chosen will be permitted as long as the replacement mix equals the original mix regarding application and environmental conditions. All materials must be from an approved source.
2. District Materials Office personnel will submit the replacement mix design to the State Materials Office similar to the material substitution procedure found in Materials Manual, Section 9.2, Vol. II.
3. The State Materials Office will assign a new design mix number with the old design mix number referenced in the mix design comments.

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4. At the first job-site placement of the new mix, for each project, the Concrete Producer's ACI certified technician or the Contractor's QC certified CTQP inspector will cast a minimum of three 4x8 cylinders to be tested at 28-days by the Concrete Producer's or the Contractor's qualified laboratory.
5. District Materials Office personnel will submit the Producer's 28-day results to the State Materials Office. Whenever overdesign strength is reached, the new design mix will be fully approved as a new stand-alone permanent mix for FDOT use.

This memorandum does not waive any specification requirements but simply allows an expedient means to approve mix designs. It is in effect until **April 30, 2019**. After that date, the normal mix design approval process will be in effect. It serves as a blanket approval to process this change as a no cost specification revision and shall be attached to the work order or supplemental agreement required for its processing.

Should you have any questions please contact Jose Armenteros, State Materials Office at 352-955-6666, or Pat Carlton, State Materials Office at 352-955-6676.

TR/ja