



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

December 13, 2019

MATERIALS BULLETIN NO. 13-19
DCE MEMORANDUM NO. 21-19
(FHWA Approved: 12/13/2019)

This Memo has expired

TO: DISTRICT MATERIALS AND RESEARCH ENGINEERS
DISTRICT CONSTRUCTION ENGINEERS

FROM: Timothy Ruelke P.E., Director, Office of Materials
Dan L. Hurtado P.E., Director, Office of Construction

COPIES: Will Watts, Scott Arnold, Ananth Prasad, Chad Thompson, Patrick Upshaw, Jose Armenteros, Thomas Frank, Pat Carlton

SUBJECT: CEMEX - BROOKSVILLE CEMENT PLANT (CMT08)

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Tim Ruelke
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Dan Hurtado

The CEMEX Cement Plant in Brooksville, FL is producing a new cement identified as Type IL. The Type IL is a blended cement and may incorporate up to 15% limestone. CEMEX will target a 12% replacement of limestone. This blended cement will be designated as Type IL (12) indicating 12% limestone has been added and is in compliance with AASHTO M240 or ASTM C595.

The Type IL cement has been tested by CEMEX and verified by the State Materials Office with no difference in performance when compared to the current CEMEX, Type I/II cement. The clinker used to produce the currently produced Type I/II cement will continue to be used to produce the Type IL. No other changes to the cement will occur other than about 12% limestone will be added to the clinker at the finish mill. With the approval of the Type IL cement, the Department will accept the Type IL cement as a substitute in currently approved CEMEX concrete mix designs.

The following exceptions to this bulletin, identified here, will require the standard mix design approval process in order to switch from Type I/II to Type IL cement;

1. Approved mix designs requiring Surface Resistivity Test values
2. Approved Self-Consolidating Concrete (SCC) mix designs
3. Approved Flowing Concrete mix designs

This memorandum does not waive any specification requirements but simply allows for the substitution of IL into currently approved mix designs. It is in effect until **May 2, 2020**. After that date, the normal mix design approval process will be in effect.

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

TR/ja