



Florida Department of Transportation

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MIKE DEW
SECRETARY

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MATERIALS BULLETIN NO. 06-18

DCE MEMORANDUM NO. 11-18

(FHWA Approved: 4/30/2018)

**TO: DISTRICT MATERIALS AND RESEARCH ENGINEERS
DISTRICT CONSTRUCTION ENGINEERS**

FROM: Timothy Ruelke P.E., Director, Office of Materials
David A. Sadler, P.E., Director, Office of Construction

COPIES: Courtney Drummond, Amy Tootle, Bob Burleson, Nick Finch, Rafiq Darji, Jose Armenteros, Thomas Frank, Patrick Carlton

SUBJECT: CEMEX - MIAMI CEMENT PLANT (CMT24)

The CEMEX Cement Plant in Miami, 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 14% replacement of limestone. This blended cement will be designated as Type IL (14) indicating 14% 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 14% 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, 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.

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