



Florida Department of Transportation

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August 1, 2017

MATERIALS BULLETIN NO. 11-17

DCE MEMORANDUM NO. 13-17

(FHWA Approved: 8/1/2017)

**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 Bursleson, Nick Finch, Rafiq Darji, Michael Bergin, Richard DeLorenzo

SUBJECT: ARGOS USA CORPORATION, CEMENT PLANT (CMT09)

Argos USA Corporation, Cement Plant is producing a new cement identified as Type IL. The Type IL is a blended cement and may incorporate up to 15% limestone. Argos will target a 10% replacement of limestone to allow for variation in materials. This blended cement will be designated as Type IL (10) indicating 10% limestone has been added and is in compliance with AASHTO M240 or ASTM C595. The cement manufacturing process will produce about 10% less CO2 compared to the Argos Type I/II cement currently produced.

The Type IL cement has been tested by Argos and verified by the State Materials Office with no difference in performance when compared to the current Argos, 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 10% 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 Argos 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.

Should you have any questions please contact Mike Bergin, State Materials Office 352-955-6666.

TR/mb