

## Florida Department of Transportation

RICK SCOTT  
GOVERNOR

5007 NE 39<sup>th</sup> Avenue  
Gainesville, FL 32609

ANANTH PRASAD, P.E.  
SECRETARY

May 25, 2011

MATERIALS BULLETIN NO. 03-11  
DCE MEMORANDUM NO. 08-11  
(FHWA Approved: 5/24/11)

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

**FROM:** Bouzid Choubane, P.E., Interim Director, Office of Materials  
David A. Sadler, P.E., Director, Office of Construction

**COPIES:** Brian Blanchard, Bob Burleson (FTBA), Chris Richter (FHWA), Chad  
Thompson (FHWA), Abraham Scott (FHWA), Rafiq Darji (FHWA), Tom  
Byron, Michael Bergin

**SUBJECT:** STANDARDIZED CONCRETE SAMPLE NUMBER /  
LOT NUMBER SYSTEM

*Bouzid Choubane*  
*David A. Sadler*

The Sample Number / Lot Number instructions for tracking and numbering samples require that samples be numbered based on the application, not by mix design. This practice may cause multiple samples when concrete from the same truck is used for more than one application or when a higher strength concrete is used in lieu of a lower strength concrete. The examples in the instructions were developed as if the entire load of higher strength mix concrete is substituted for a lower strength mix. This is not always the case.

In order to simplify the system and to comply with Specification Section 346 requirements to track the lots per mix design, the instructions have been revised to track and number samples per mix design, regardless of the application.

Since this a deviation for previous instructions, it is recommended that project personnel review the instructions which are available at the following locations:

FDOT Intranet

<http://materials.dot.state.fl.us/smo/structural/evaluationandresearch/documents/sampleandlotnumbering.pdf>

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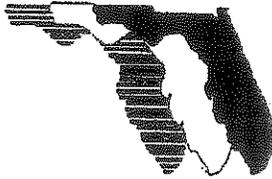
FDOT Internet

<http://www.dot.state.fl.us/statematerialsoffice/structural/evaluationandresearch/documents/sampleandlotnumbering.pdf>

Project personnel are reminded that they should contact the District Materials Office, Materials Certification personnel if the standardized numbering system needs modification before concrete placement begins. Do not use an alternative numbering system without prior approval from the appropriate District Materials Office.

If you have any questions regarding the numbering system, please contact Donald Bagwell at (352) 955-6645 or Susan Blazo at (352) 955-6669 at the State Materials Office.

BC/DS/mb



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MATERIALS BULLETIN NO. 04-11  
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**TO:** DISTRICT MATERIALS RESEARCH ENGINEERS  
DISTRICT CONSTRUCTION ENGINEERS

**FROM:** Bouzid Choubane, P.E., Interim Director, Office of Materials  
David A. Sadler, P.E., Director, Office of Construction

**COPIES:** Brian Blanchard, Bob Burleson (FTBA), Chris Richter (FHWA), Chad  
Thompson, Abraham Scott, Rafiq Darji, Tom Byron, Michael Bergin

**SUBJECT:** UNVERIFIED CONCRETE LOTS ON THE PROJECT  
FINAL MATERIALS CERTIFICATIONS

In the past, when verification was not performed because the random number did not come up before the concrete placement finished, the Materials Certification process identified this as a missed frequency exception to the Final Project Materials Certification. Furthermore, the State Materials Office instructed project personnel to obtain an Independent Verification sample in lieu of a Verification sample.

This will no longer be required. As part of the Department's philosophy of statistically based random sampling, verification sampling should always be determined by a random number generator. In the event the amount of material placed is less than the quantity identified by the random number, this will no longer be defined as exception to the Final Project Materials Certification under missed frequency. The Materials Certification personnel will inquire when there are unverified lots of concrete and project personnel will need to account for why there is no verification test. However, it will only be defined as a missing frequency exception to the Final Project Materials Certification if there are four consecutive unverified lots. Project personnel will not be required to perform Independent Verification in lieu of Verification since it does not meet the definition of statistically random.

If you have any questions regarding the numbering system, please contact Mike Bergin at (352) 955-6666 or Angela DeLorenzo at (352) 955-6631 at the State Materials Office.

BC/DS/mb