



## Florida Department of Transportation

CHARLIE CRIST  
GOVERNOR

STATE MATERIALS OFFICE  
5007 Northeast 39<sup>th</sup> Avenue, Gainesville, Florida 32609  
Telephone: (352) 955-6600, Fax: (352) 955-6613

STEPHANIE C. KOPELOUSOS  
SECRETARY

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**\*\* Expired \*\***

MATERIALS BULLETIN NO. 11-07  
DCE MEMORANDUM NO. 20-07

TO: DISTRICT MATERIALS RESEARCH ENGINEERS  
DISTRICT CONSTRUCTION ENGINEERS

FROM: Thomas O. Malerk, P.E., Director, Office of Materials  
Brian A. Blanchard, P.E., Director, Office of Construction

COPIES: Michael Bergin, Charles Ishee

SUBJECT: USE OF 4 x 8 INCH CONCRETE CYLINDERS

The State Materials Office has revised Section 346 to allow the use of 4 x 8 inch cylinders for the evaluation of concrete mix designs and for use as the specimen size to accept concrete. This language has been included in the specifications implemented in the January 2008 lettings.

It is this office's intent to reduce the quantities of concrete needed for testing purposes, provide additional room in curing boxes and facilities and improve the safety aspects of handling and transporting test cylinders. This change will also allow compliance with the latest version of ASTM C31, Making and Curing Concrete Test Specimens in the Field.

To allow the use of the 4 x 8 cylinders for active contracts, please process a no cost change order, as applicable, for contracts let prior to January 2008. Beginning with the January 2008 letting, contracts will have the revised language included in the contract.

The Specification Change is as follows:

**346-9.1 General:** Perform plastic properties tests in accordance with 346-8 and cast a set of three QC cylinders (either 4 inch by 8 inch or 6 inch by 12 inch cylinders are acceptable), for all structural concrete incorporated into the project. The Verification cylinders will be the same size cylinder selected by the Contractor.

If you have any questions on this issue, please feel free to contact Mike Bergin at 352-955-6666.

TOM/BAB/mb