



Florida Department of Transportation

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SECRETARY

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This memo has expired

MATERIALS BULLETIN NO. 08-06

DCE MEMORANDUM NO. 19-06

(FHWA approved 8/31/06)

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

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

COPIES: Don Davis, Greg Schiess, Bob Burleson, Mike Bergin, Steve Plotkin

SUBJECT: Revision to 346 - Reduced Frequency for Acceptance Tests

346-9.2.1 Reduced Frequency for Acceptance Tests: When 10 consecutive strength test results from a Class IV or higher class of concrete, is produced at the same concrete production facility, on a given contract have all been verified and have attained an average strength greater than two standard deviations above the specified minimum, then the maximum QC sample size may be increased to 100 yd³ [80 m³]. In addition, when 5 consecutive strength test results from a Class III or lower class of concrete, is produced at the same concrete production facility, on a given contract have all been verified and have attained an average strength greater than two standard deviations above the specified minimum, the maximum QC sample size may be increased to 100 yd³ [80 m³] and only applies to Class III and lower classes of concrete.

The average of the consecutive compressive strength test results, based on the class of concrete, can be established using historical data from the previous project. The data must also represent the same prime/sub contractor. The last test from the previous job must be within the last 60 calendar days or may also be established by a succession of samples on the current project. Only one sample can be taken from each QC sample. Test data must be from a laboratory meeting the requirements of 6-9.

If at any time a strength test is not verified and/or the average strength of the previous 10 or 5 consecutive samples based on the class of concrete described above, is less than the specified minimum plus two standard deviations, the maximum QC sample size will return to 50 yd³ [40 m³]. The maximum QC sample size will remain 50 yd³ [40 m³] until the thresholds listed above are achieved

This memorandum serves as a blanket approval to process a \$0.00 specification change for on-going projects. It should be attached to the Field Supplemental Agreement/Work Order or Supplemental Agreement.

If you have further questions, please feel free to contact Mike Bergin at 352-955-6666.

TOM/BAB/mb