

**ORIGINATION FORM**  
**Proposed Revisions to the Specifications**

**Date:**

**Specification Section:**

**Originator:**

**Articles/Subarticles:**

**Telephone:**

**email:**

**Why does the existing language need to be changed?**

**Summary of the changes:**

**Are these changes applicable to all Department jobs?    Yes            No**  
**If not, what are the restrictions?**

**Will these changes result in an increase or decrease in project costs?    Yes            No**  
**If yes, what is the estimated change in costs?**

**With who have you discussed these changes?**

**What other offices will be impacted by these changes?**

**Will this revision necessitate changes to the following:    BOE            PPM            SDG            CPAM**

**Design Standards                      List Affected Index Nos.**

**Other manual?**

**Are all references to external publications current?    Yes            No**  
**If not, what references need to be updated (please include changes in the redline)?**

**Will this revision necessitate any of the following:**

**Design Bulletin**

**Construction Bulletin**

**Estimates Bulletin**

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.  
SECRETARY

**MEMORANDUM**

**DATE:** November 3, 2014

**TO:** Specification Review Distribution List

**FROM:** Daniel Scheer, P.E., State Specifications Engineer

**SUBJECT:** Proposed Specification: **3460902SL Portland Cement Concrete - Acceptance Sampling and Testing.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This is an administrative change to include 346-9.2 in the SP as well revisions made to Section 346 that were not included in the Streamline language.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at <http://www2.dot.state.fl.us/SpecificationsEstimates/Development/IndustryReview.aspx> . Comments received after **December 1, 2014**, may not be considered. Your input is encouraged.

DS/dt  
Attachment

All Contracts less than \$2,000,000 and less than 2,000 tons of asphalt - Streamline.  
For Bridge repair/rehab projects, contact the DCE prior to use.

## PORTLAND CEMENT CONCRETE – ACCEPTANCE SAMPLING FREQUENCY.

(REV ~~6-25-10~~~~10-8-14~~)(~~FA 7-8-10~~)(1-15)

SUBARTICLE 346-9.2 is deleted and the following substituted:

### 346-9.2 Sampling Frequency ~~for Quality Control Tests:~~

As a minimum, sample and test concrete of each design mix for water to cementitious materials ratio, air content, temperature, slump and compressive strength once per LOT as defined by Table 8. *When a mix design is used for a different application, the LOT is defined by the application.* ~~When more than one concrete production facility is used for the same mix design, describe the method of sampling, testing and LOT numbering in the QC Plan.~~ The Engineer will randomly verify one of every eight consecutive LOTs of each design mix based on a random number generator, ~~and may perform additional Independent Verification tests.~~ *The Department may perform Independent Verification testing to verify compliance with specification requirements.* All QC activities, calculations, and inspections will be randomly confirmed by the Department.

Class Concrete*	Maximum LOT Size
I	one day's production
I (Pavement)	<del>250 lane ft</del> <i>2000 square yards</i> , or one day's production, whichever is less
II, II (Bridge Deck), III, IV, V (Special), V, VI	50 <i>cubic yards</i> <sup>3</sup> , or one day's production, whichever is less
IV (Drilled Shaft)	50 <i>cubic yards</i> <sup>3</sup> , or two hours between <i>the end of one</i> placements, <i>and the start of the next placement</i> , whichever is less
III (Seal)	Each Seal placement

*\*For any class of concrete used for roadway barrier wall, the lot size is defined as 100 cubic yards, or one day's production, whichever is less.*

**346-9.2.1 Reduced Frequency for Acceptance Tests:** *The LOT size may represent 100 cubic yards when produced at the same mix design at the same concrete production facility for the same prime contractor and subcontractor on a given Contract. Submit test results indicating the average compressive strength is greater than two standard deviations above the specified minimum strength for that class of concrete. Base calculations on a minimum of ten consecutive strength test results for a Class IV or higher; or a minimum of five consecutive strength results for a Class III or lower.*

*The average of the consecutive compressive strength test results, based on the class of concrete, can be established using historical data from a previous Department project. The tests from the previous Department project 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*

3460902SL

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*can be taken from each LOT. Test data must be from a laboratory meeting the requirements of Section 105. Obtain Department approval before beginning reduced frequency LOT's.*

*If at any time a strength test is not verified or the average strength of the previous ten or five consecutive samples based on the class of concrete from the same mix design and the same production facility is less than the specified minimum plus two standard deviations, return to the maximum production quantity represented by the LOT as defined in Table 8. Notify the Engineer that the maximum production rate is reinstated. In order to reinitiate reduced frequency, submit a new set of strength test results.*