

3460902SL PORTLAND CEMENT CONCRETE - ACCEPTANCE SAMPLING AND TESTING
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Charles Woerner
407-448-4204
charles.woerner@psiusa.com

Comments: (11-4-14)

I agree with not accepting multiple samples of concrete from one 50yd³ lot, in an effort help achieve reduced frequency faster on a project...However, I have seen many times that a placement go slightly over the contractor estimated 50yd quantity, and the QC being mandated to sample a 1 or 2 yard (or even a 10yd³) truck for acceptance of the additional lot. In the past, when the word Maximum was included in the lot size, QC techs could shorten the lot size (as long as the contractor let QC know they may go over the estimated 50yd³) to randomize the sample efforts more representatively, meaning turning a 52yd³ (or even a 60yd³) placement into one 30yd³ lot and one 22yd³ lot (or one 30yd³ respectively), in lieu of always having to sample the short (or single) load. I have always thought this was a method that achieved obtaining a more random sample of what is being left in place. If there is a way to leave the word "Maximum" on the table 8 heading, I believe it to be an asset rather than a loophole.

Response: This revision was to include previously approved language that was inadvertently omitted from the Streamline specification. No additional changes were proposed to the language. We will forward your comment to the appropriate Department staff for review. No changes made.

D5 Construction

Comments: (11-17-14)

Remove the word "produced at" from the current location and place at "mix design is produced at the same concrete production....."

346-9.2.1 Reduced Frequency for Acceptance Tests: The LOT size may represent 100 cubic yards when ~~produced at the same mix design is produced 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.

Response: Please see response to Woerner comment.

Katie Kehres
772-429-4889
katherine.kehres@dot.state.fl.us

Comments: (11-26-14)

1. TABLE 8: The LOT Size criteria for Class IV (Drilled Shaft) concrete (shown below), is comparing quantity and time, and then stating whichever one is less. Because it is comparing two different things, the project personnel may have a hard time with determining “whichever is less”.

Response: Please see response to Woerner comment.

2. In Table 8 add a comma in the value 2000 for Class I (Pavement) to be consistent with how the value is presented in other areas in the document. (Chad Rucks)

Response: Please see response to Woerner comment.

3. The first sentence under 346-9.2.1 states that “the lot size may represent 100 cubic yards when produced at the same mix design at the same concrete production facility”.... Suggest rewording to “the LOT size may represent 100 cubic yards for the same mix design when produced at the same concrete production facility” (Chad Rucks)

Response: Please see response to Woerner comment.

4. Section 346-9.2 Sampling Frequency has the testing frequency for verification as 1 in 8; recommendation is for it to be 1 for every 4. (Kandarappallil Jose)

Response: This Special Provision is for only for Streamline projects; therefore the reduced testing is appropriate
No change made.
