Origination Form

Specifications

Name:	Oliver Chung	**Specification Number:**	Heading reformat, 346-9, 346-12
Email:	oliver.chung@dot.state.fl.us	**Associated Specs:**	none
Date:	2024-06-23T23:49:30Z	**Verified:**	VERIFIED

Summary:

9.1 General: Administrative update. Subarticle 105-8.2 has given an instruction for data entry.

Justification:

9.1 General: Subarticle 105 -8.2 indicates that the governing language for test data entry within 24 hours of testing in MAC is included for all tests not only for compressive strength test data of concrete. Therefore, Subarticle 346 -9.1 statements for test data entry in MAC are repeating statements.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

9.1 General: Repeating statements in the other part of the specification may confuse because the requirement is already covered in Subarticle 105—8.2.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

None

What impact does the change have on production or construction schedules?

None

How does this change improve efficiency or quality?

Requirements are already in Spec 105. Eliminated duplication.

Which FDOT offices does the change impact?

None

What is the impact to districts with this change?

General: This administrative update allows the district offices to interpret the specifications uniformly.

Does the change shift risk and to who?

No

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: https://www.fdot.gov/programmanagement/Specs.shtm

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

STRUCTURAL PORTLAND CEMENT CONCRETE
(REV 6-23-24)

SUBARTICLE 346-9.1 is deleted and the following substituted:

346-9 Acceptance Sampling and Testing.

346-9.1 General: Perform plastic properties tests in accordance with 346-8 and cast a set of three QC cylinders, for all structural concrete incorporated into the project. Take these acceptance samples randomly as determined by a random number generator acceptable to the Department. The Department will independently perform VT plastic properties tests and cast a set of VT cylinders. The VT cylinders will be the same size cylinder selected by the Contractor, from a separate sample from the same load of concrete as the Contractor's QC sample.

For each set of QC cylinders verified by the Department, cast two additional cylinders from the same sample, and identify them as the quality control resolution (QR) test cylinders. The Department will also cast two additional verification resolution (VR) test cylinders from each VT sample. All cylinders will be clearly identified as outlined in the Sample/LOT Numbering System instructions located on the State Materials Office website. Deliver the QC samples, including the QR cylinders to the final curing facility in accordance with ASTM C31. Concurrently, the Department will deliver the VT samples, including the VR cylinders, to their final curing facility.

Test the QC laboratory cured samples for compressive strength at the age of 28 days, in a laboratory meeting and maintaining at all times the qualification requirements listed in Section 105.

~~Ensure the QC testing laboratory input the compressive strength test results into the Department's Materials Acceptance and Certification (MAC) system within 24 hours after testing. Notify the Engineer when results cannot be inputted into MAC.~~

The Department will compare the VT sample compressive strength test results with the corresponding QC sample test results.