

1050404MM92V2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS SPECIFICATION
COMMENTS AND RESPONSES FROM /INDUSTRY REVIEW

Unknown

Comments: (Industry, 1/7/21)

Does the testing lab have to be accredited specifically in the AASHTO T358 test method, or just an AASHTO or CMEC accredited lab?

Response: The testing laboratory should meet the FDOT Laboratory Qualification Program of Standard Specification Section 105, Article 105-7 to perform the Surface Resistivity test in accordance with AASHTO T358.

The Article 105-7 Specification lists the AASHTO, ASTM, and CMEC accreditation agencies. The Department may inspect the laboratory for compliance with the accreditation requirements prior to issuing qualification.

Action: No change is needed.

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Comments: (Industry, 1/20/21)

Appendix "A": What is the reasoning behind eliminating the revolutions. 346 still requires between 70 to 100 mixing revolutions It appears on the D1 that they want us to record Mixing Time. Is this to say that indication of initial mixing is only required for wet plants or are they trying to imply we now need someone with a stopwatch at all dry plants? 9.2.15.2 We would like more clarification on sampling frequency. Table 2 indicates sampling frequency for chloride as 1 every 30 days or in accordance with the guide 3rd paragraph in Section 9.2.15.2 states "determine chloride content of each mix design produced every calendar month...". We do not interpret this sentence as indicating the sampling frequency is being changed from 1 every 30 days to once every calendar month. We read this as chloride samples should still be obtained 1 every 30 days and should represent those mixes produced in a particular calendar month. If the Departments intent is to reduce frequency to once per month, which we would welcome, Table 2 should be revised and paragraph 3 reworded to clearly state this.

Response: The first part of the comments is related to Section 9.2 Materials Manual Volume II Appendix A – Mixing Revolution (1). The second part of the comments is related to Subsection 9.2.15.2 Materials Manual (2). The responses to the comments are as follows:

(1) Responses Related to Appendix A: We agree with the comment. The intent of changes in Appendix A is to eliminate only the record of total revolutions. There is no limit on the total number of revolutions. The mixing revolution or time must be recorded to comply with the requirements of Section 346, which requires 70 to 100 mixing revolutions initially at the plant and additional 30 revolutions after the addition of water.

Action: Accordingly, we propose to the Specification Office to keep the current language (highlighted) of "Mixing revolution or time" in the upper part of Appendix A Table, as shown below:

APPENDIX "A"
Sample Delivery Ticket for Structural Concrete

Financial Project No.: _____ Serial No.: _____
 Plant No.: _____ Date: _____
 Concrete Plant: _____ Delivered to: _____
 Phone Number: _____ Phone Number: _____
 Address: _____ Address: _____

Truck No.	DOT Class	DOT Mix No.	Cubic Yards This Load
Allowable Jobsite Water Addition (gal. or lbs.)	Time Loaded	Mixing revolutions or time	Cubic Yards Total Today

(2) Responses related to Subsection 9.2.15.2 Materials Manual and Table 2 Frequency of Chloride testing: We agree with the comment, but this change is not part of the proposed modification.

Action: No change is needed in the proposed revision. The change will be submitted in the next revision cycle as shown below:

TABLE 2 – Concrete Material Components Sampling and Testing	
Material and Required Tests	Minimum Sampling Frequency for Each Source and Grade
Coarse Aggregate Gradation (AASHTO T 27) Total Minus 200-mesh (FM 1-T011)	Certification
Fine Aggregate Gradation (FM 1-T 027) Total Minus 200-mesh (FM 1-T011)	Certification
Cementitious Materials	Delivery Ticket and Mill Certificate
Admixtures	Certification
Water ⁽¹⁾	As required in FDOT Specification Section 923
Chlorides (FM 5-516)	1 <u>test</u> every <u>calendar month</u> . 30 days or in accordance with this guide
(1) The corrective action plan requires that open bodies of water and recycled water shall be tested every 15 days during production. Well and other sources of water shall be tested every 45 days during production, until approval to return to the normal sampling frequency is given by the DMRE for the District which has Plant QC Plan acceptance responsibility. Failure to comply with the sampling frequency shall be cause for suspension of the Plant's QC Plan.	

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Comments: (Industry, 1/11/21)

Because most of the testing is going to be for information only, does the producer need to incur that expense of getting their lab accredited for AASHTO T 358? If the test is required for acceptance of the mix, then the lab should be accredited. 2. Do they need to keep a copy of the chloride test in their plant files since the information has to go into MAC?

Response: The testing laboratory should meet the FDOT Laboratory Qualification Program of Article 105-7 Specifications to perform the tests that are required in the Contract Documents and like any other test results, the Plants must maintain the copy of chloride tests in their plants. In accordance with Article 3-8 Specifications, the contractor is obligated to retain the records related to contract documents for a minimum period of three years.

Action: No change is needed.
