

1050404-MM9.2V2 - CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS-
COMPLIANCE WITH THE MATERIALS MANUAL
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (5-30-19)

1. 9.2.5 Plant inspections This statement would open policy for anytime visit and no identify numbers of inspection.

Response: The minimum number of Plant visits has been mentioned, which is at least once every three months, unless reduced inspection frequency is approved by District Materials Engineer based on the Plant's quality performance, as described.

Action: No change is needed.

2. 9.2.6.4.2 For approval process choice would be better DMO when 9.2.6.4.2 is directing this way *** Until disregarding statement "At the discretion of the SMO Concrete Material Engineer" I am disagreeing to statement6 which only get one-person decision SMO Concrete Material Engineer. Write just first statement and disregard "discretion SMO"

Response: The comment is on the existing language, not on the proposed changes. The reason that SMO is involved in the statewide mix design approval/reapproving process is to maintain consistency amongst Districts during the mix design review process, and this is part of SMO functions.

Action: No change is needed.

3. 9.2.6.4.2 Do we need to go original mix or last mix approval? Example: When changing Cement in mix design and using as base mix design approved that will be not necessarily same aggregates currently using .28 days will delay substitution in other materials.

Response: The cement substitution request is made on either the base mix design or the substituted mix design.

Action: No change is needed.

4. 9.2.6.4.3 Please review five days statement for approval and consider also emergency (24 hours) definition in writing mode when significant failure of cement plant occurs.

Response: The review and approval process of proposed mix design takes time (up to five days) and 24 hours is not enough time to review the supporting documentations.

Action: No change is needed.

5. 9.2.7.1 ACI 301 4.2.2.6 refers to chloride test method ASTM C 1218 which we FDOT not accepting instead using FM5-516 as well as not follow ACI 301 4.2.2.8 Temperature. It will take a confusion for new producer which of specification we may follow 211 is not for SCC mixes and guideline may cost some mis directive instruction. Simplify specification if possible.

Response: The Department has used the FM 5-516 for approximately 30 years and have enhanced the testing to provide the most accurate results, and as such all the FDOT specifications are written based on results obtained using the FM.

The Department recommends to follow ACI 211 guidelines to design the concrete mixes, this statement as it is

written is not mandatory in Subsection 9.2.7.1.

Action: No change is needed.

6. 9.2.7.1 Over design for producer in 28 days will only cost more bonding materials and increasing in category for spending capital. Daily we are considered higher strength for release. Spending time and effort to produce concrete with extreme overdesign will not accommodate service time and quality of product. Consider 56 days as overdesign and 28 days as target.

Response: The subsection is for mix design approval only. The required overdesign strength is based on Federal Highway requirements at 28 days.

Action: No change is needed.

7. 9.2.7.7 This is opening some regulatory and directive action towards producer, please use "MIX DESIGN REVIEW UPON PRODUCER REQUIRMENT"

Response: All approved mix designs will be reviewed at an established cycle to ensure compliance with current Specifications. The Department review will be based on the available production data in MAC. The Department will provide the results of the mix performance to the Producers.

Action: No change is needed.

8. 9.2.7.7 (b) Please review statement 'at least good quality "there is not proper wording for specification. provide some adjustment Example: Review against ACI 214R 4.3 4.

Response: The description of the terminology "good" has been described ACI 214.Tables 4.3 and 4.4.

Action: No change is needed.

Anonymous

Comments: (6-6-19)

the sentence "When the Engineer determines that unsatisfactory results are obtained during production, the mix design approval will be rescinded." was moved for Section 9.2.7 under Mix Designs to 9.2.6.4 for Substitutions of Materials. This belongs under Mix Designs as it should apply to all mixes not just substituted mixes.

Response: Agree with the suggested change.

Action: The last statement of the proposed Subsection 9.2.6.4 will be moved to Subsection 9.2.7, as suggested.
