

1050404-MM84V2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS –  
COMPLIANCE WITH THE MATERIALS MANUAL  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (7-12-18 )

1. Subsection 8.4.1 – third sentence: Change “ready- mixed facility” to “ready-mixed concrete facility”.

**Response:**

2. Subsection 8.4.6 – Table 1: Slump flow: Every approved mix design should have a target slump flow. Also, the production concrete should have a tolerance. Accordingly, I recommend the modified version of acceptance criteria to read: “Minimum Target Slump flow = 27.00 inches Tolerance =  $\pm 2.5$  inches Acceptance Criteria for VSI and HVSI has been changed from “0 or 1” to “1”. The word maximum has been added in the second column. Delete the Word Maximum from second column. There is no need for deleting the value of 0. It is necessary to include “0”. It shows that the SCC is stable and it is the best quality. The other option will be to delete the word “Maximum” from the second column and change 0 or 1 to:  $VSI \leq 1$   $HVSI \leq 1$  In Static Segregation for HVSI change AASHTO R81 -17 to AASHTO R 81. At the bottom of the Table add a footnote that “The references to the Subsections in Column 2 refer to the Subsections of this Manual.

**Response:**

3. Subsection 8.4.6.1 (4): Change the third and fourth sentence to read: The minimum proposed target slump flow shall be equal to or greater than 27.0 inches. There is no need for the fourth sentence. It should be deleted.

**Response:**

4. Subsection 8.4.8.3, Item number (3) and (4): The proposed specification has deleted the word “target”. They should remain as they are in the current specification.

**Response:**

5. Subsection 8.4.8.5, Title: Change AASHTO R81-17 to AASHTO R81. Item number (1): Modify the item to read: The target slump flow of the previously approved SCC mix design has been increased by less than 5 inches.

**Response:**

6. Subsection 8.4.8.5, fourth paragraph: The target slump flow and tolerance have been deleted. They should remain as they are in the current specification.

**Response:**

7. Subsection 8.4.11-Item No (9): This item indicates that the testing can be performed at the point of placement or test station that has been established for that purpose. It is not clear that how far is the allowable distance between the test station the point of placement. Depending on the distance between testing station and point of placement, the plastic properties of the SCC may change. Therefore, the plant should establish a correlation of the plastic properties between the two locations. The proposed change has to be expanded to read: “Perform SCC tests at the point of placement or testing station that has been established for that purpose, provided that a correlation between the plastic properties of the point of placement and testing station has been established.

**Response:**

8. Subsection 8.4.11-Item No (11): Expand the first sentence and add item a) to read: Reject any Lot of concrete that does not meet specified plastic property requirements, with exception, as described below: a) The SCC should not be rejected based the Slump Flow test, if it has passed the rapid assessment of static segregation resistance test (Pd). Notify the Engineer and take corrective action if the Slump Flow is out of the established tolerance of Table I.

**Response:**

9. Subsection 8.4.11-Item No (11)- e): Change “District Materials Office personnel shall be invited to witness the evaluation” to an imperative sentence to read: “Invite the DMRO personnel to witness the evaluation”.

**Response:**

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