

Construction Manual Update: CMU 2018-001

Date: July 11, 2018

Subject: Materials Quality Assurance Procedures Manual

Manual Section: Division 1, Section 105, Heading 12

The Construction Field Services (CFS) Division has revised the Materials Quality Assurance Procedures (MQAP) Manual. A brief description of the major revisions is presented below.

Manual Section

- 1.05 Removed this chapter as the content for random sampling by the cube root method is no longer used.
- 1.05 Renumbered Section 1.06 to 1.05. Removed Section 1.05.06 of this chapter as it is covered by other contract documents. Removed concrete coring information as it is covered by other contract documents. Removed the details pertaining to relocation of a core in relation to transverse direction and proximity to the edge of pavement. This direction is defined in other contract documents.
- 1.08 Renumbered Section 1.09 to 1.08. Removed section 1.08.03.E that documented the testing requirements for warehouse items.
- 3.01 Removed the requirement for qualified product listed materials to be documented via a general certification.
- 3.08 Added requirements for third party certification for qualification of new plants. Revised section 3.08.12 to include annual requirements for plant certifications.
- 4.04 Added requirements for submittal and processing of the Materials Source List (form 501).
- 4.07 Added reference to the Load Transfer Assembly Inspection Report (form 0553).
- 4.11 Added requirements for submittal and processing of the Materials Source List (form 501).
- 4.12 Numerous revisions to this chapter.

- 6.06 Revised the qualification procedure to include new specifications for penetrating water repellent treatment for concrete surfaces.
- 6.23 Replaced the Class B Bury qualification procedure with the Class A, B and F Bury qualification procedure.
- 6.38 Added new qualification procedure for the evaluation of wet reflective beads and elements per 920.02.C. Subsequent qualification procedures were re-indexed to reflect the entry of this new procedure.
- 7.01 See the following table for major revisions made to the Materials Acceptance Requirements Table.

Aggregate sampling frequencies have been revised for all specified aggregate types presented in the table to cross reference to the Procedures for Aggregate Inspection Manual.

Changed the basis of acceptance for all QPL materials from general certification to Visual Inspection (VI) in the table.

Materials Acceptance Requirements Table Major Revisions

| Specification Reference | Material Name | Basis of Acceptance | Change Made and Reason for Change |
|--------------------------------|---|----------------------------|--|
| 909.06 | Plastic Pipe Class A, B and F Bury (CPE/HDPE and CPV) | VI | Added the revised pipe classes that are now included in the QPL. |
| 909.09 | Cold Applied Pipe Joint Sealer (Mastic) | VI | Changed the basis of acceptance from Test to VI per the Structural Fabrication Unit. |
| 913.06 | Precast Drainage Structure Adjusting Rings | Gen Cert | Changed the basis of acceptance from Appr. Mfr. to Gen Cert per CFS. |
| 914.04A | Hot-Poured Joint Sealant | N/A | Removed the material entry as it is now specified by 12SP-914B-01. |
| 914.05 | Epoxy Binder, For Joint Spall Repair | Test | Removed the option of Tested Stock as a basis of acceptance per CFS Materials Unit. |
| 917.04 | Tree Wrapping Material | N/A | Removed the material entry from the table per the Roadside Development Unit. |

| Specification Reference | Material Name | Basis of Acceptance | Change Made and Reason for Change |
|--------------------------------|-------------------------------------|----------------------------|---|
| 920.02C | Wet Reflective Beads/Elements | VI | Added the material entry to the table per Traffic and Safety Division. Must be a QPL per 920.02C. |
| 922.04A | Barrier Reflector Markers Permanent | VI | Added entry to separate the material from the temporary markers. Change in basis of acceptance per Traffic and Safety Division. |

Materials Acceptance Requirements Table Special Instructions Revisions:

- 902 Added Special Instructions pertaining to the Pre-Qualified Supplier Program in the Procedures for Aggregate Inspection Manual. Specifically, how Project Engineers are to document passing QA tests with Region personnel.
- 909.06 Revised instructions to remove redundant information. Revised instructions for perforated pipe to indicate that tested stock is not permitted for clarification.