

## 509-R-763 PORTLAND CEMENT CONCRETE PAVEMENT, PCCP, JOINT REPAIR

(Revised 10-19-23)

The Standard Specifications are revised as follows:

SECTION 509, BEGIN LINE 157, DELETE AND INSERT AS FOLLOWS:

**509.05 Quality Control Plan**

A QCP shall be in accordance with sections 1.1 through 4.7 of ITM 803, except that the ~~Quality Control~~QC Technician shall be an ACI-Certified *Concrete Field Testing Technician, Level Grade I or higher*. The QCP shall be submitted to the Engineer a minimum of 15 days prior to commencing PCCP joint repair. Work shall not begin until written notice has been received that the QCP was accepted by the Engineer. At a minimum, the QCP shall contain the following information concerning aspects of producing, placing, finishing, and curing the joint repair concrete for joint restoration:

SECTION 509, BEGIN LINE 196, INSERT AS FOLLOWS:

- (g) Process control of the concrete shall address *the following concrete properties as appropriate for the mix*: sampling and testing for slump, relative yield, air content, water cementitious ratio, and temperature. The frequency of tests shall be the first batch of the day and not less than three times per day including the first. If volumetric batching of concrete is utilized, the yield will be checked as described in 722.05(a) at the beginning of the day and not less than two times per day including the first load from each mobile mixer. The QCP shall include details as to actions in response to test results.

SECTION 509, BEGIN LINE 551, DELETE AND INSERT AS FOLLOWS:

~~The labor necessary for concrete sampling shall be furnished as required by the Engineer.~~*If additional manpower for concrete sampling is deemed necessary by the Engineer, the Contractor shall furnish the additional labor.* Testing for slump, air content, and relative yield, as appropriate for the mix, will be on the first batch of the day and a minimum of once per every 400 cu ft thereafter. Beams or cylinders will be made for evaluating the quality of the delivered mix at least once for every three days of production or whenever slump, relative yield, or air content are failing the upper limit. The beams or cylinders will be tested for compliance with strength requirements, at an age consistent with the mixtures intended use as defined in 509.04. Beams or cylinders for this purpose shall be cured in accordance with Section 10.1 of AASHTO T 23 and 505.01(a).

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