

501-R-769 QC/QA PORTLAND CEMENT CONCRETE PAVEMENT, PCCP

(Revised 02-15-24)

The Standard Specifications are revised as follows:

SECTION 501, BEGIN LINE 23, DELETE AND INSERT AS FOLLOWS:

An ACI-~~e~~Certified ~~e~~Concrete ~~f~~Field ~~t~~Testing ~~t~~Technician, ~~g~~Grade I, shall be on site to direct all sampling and testing.

SECTION 501, BEGIN LINE 199, DELETE AND INSERT AS FOLLOWS:

501.06 Trial Batch

A trial batch shall be produced and tested by the Contractor's *ACI-~~e~~Certified Concrete Field Testing ~~t~~Technician, Grade I*, to verify that the CMDS meets the concrete mix criteria. *An ACI-Certified Concrete Field Testing Technician, Grade I, shall be on site to direct all sampling and testing.* Concrete produced at a plant shall be batched within the proportioning tolerances of 508.02(b). Concrete batched in a laboratory shall be in accordance with ASTM C192. The Engineer will test the trial batch and provide the Contractor with the results. The trial batch shall be of sufficient quantity to allow the Contractor and the Engineer to perform all required tests from the same batch. Trial batch concrete shall not be used for more than one test, except the concrete used for the unit weight may be used to conduct the air content test. The air content shall be 5.5% to 10.0%. The plastic unit weight shall be within $\pm 3.0\%$ from the target plastic unit weight of the CMDS. The water/cementitious ratio shall be within ± 0.015 of the target value of the CMDS and shall not exceed the maximum amount allowed for the appropriate mix in accordance with 501.05. The flexural strength shall be determined by averaging a minimum of two beam breaks and shall be a minimum of 570 psi.

The box test shall be performed in accordance with AASHTO T 396. The overall void rating shall be 2.25 or less. If the overall void rating is greater than 2.25, the trial batch may be subject to rejection.
