

New Jersey Department of Transportation

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



Baseline Document Change Announcement

Portland Cement Concrete Test Cylinders

BDC99S-018

March 9, 2000

Subject: Revision to the 1996 Standard Specifications as amended by the 1998 Supplemental Specifications, Subsection 914.02 Subpart D. General Acceptance Testing Requirements For Strength

Subsection 914.02, Subpart D is revised to include additional storage and curing requirements for concrete test cylinders in curing facilities. In accordance with the general acceptance testing criteria, sampling and testing of project concrete test cylinders shall be performed for compressive strength. Since improperly cured test cylinders affect the test results, the specification revision ensures proper storage during curing of the test specimens. The revision to the Specifications will facilitate the testing and acceptance procedure, provide the Department with assured test results and ultimately reduce the number of Contractor claims due to erroneous test results.

To incorporate these changes, the Standard Input (SI98 DOT1) is revised as follows:

**SECTION 914 – PORTLAND CEMENT CONCRETE,
MORTAR AND GROUT**

914.02 Portland Cement Concrete Designs, Control, and Acceptance Testing Requirements.

D. General Acceptance Testing Requirements for Strength.

THE THIRD SENTENCE OF THE SECOND PARAGRAPH IS CHANGED TO:

During the months of May through October, the Contractor shall provide water tanks or tubs of sufficient capacity and rigidity to hold the cylinders in an upright position, fully submerged and without contact between cylinders. During the remaining months of the year, or as directed by the Engineer, securable insulated or heated boxes, of similar capacity and rigidity shall be provided.

Instructions to Designers

These revisions shall be included in all Department projects, with construction of Portland cement concrete, scheduled for Final Design submission after March 25, 2000. Department Specification Engineers responsible for preparing the Special Provisions will incorporate the revisions; therefore designers need not insert these changes.

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