

New Jersey Department of Transportation

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



Baseline Document Change Announcement

***ACI certified Inspectors
BDC01S-10***

October 25, 2001

Subject: Revision to the 1996 *Standard Specifications* as amended by the 1998 *Supplemental Specifications* for Road and Bridge Construction, Subsection 106.03 Materials, Inspections, Tests and Samples.

The 1996 Standard Specifications as amended by the 1998 Supplemental Specifications for Road and Bridge Construction is revised to include the implementation of a certification process for monitoring the placement of concrete. The specification revisions require Contractor personnel certified by NJACI as Concrete Construction Technologists, or ACI certified Concrete Transportation Inspectors to monitor and report daily concrete placement operations on Department prescribed forms.

Therefore, the following revisions shall be incorporated in SI98DOT2:

FOR PROJECTS TO BE ADVERTISED AFTER JANUARY 1, 2002,
INCLUDE THE FOLLOWING WHEN THE PROJECT INCLUDES
CONCRETE PAY ITEMS

106.03 Materials, Inspections, Tests, Samples and Certified Training.

THE FOLLOWING IS ADDED:

C. Concrete Certification and Training. The Contractor shall appoint sufficient personnel, certified by the NJACI as Concrete Construction Technologists, or personnel certified by ACI, as Concrete Transportation Construction Inspectors, to monitor and report daily operations for concrete placement. Documentation of the training and certification of the Contractor's personnel shall be provided to the Engineer prior to the start of concrete operations.

This requirement shall apply for daily concrete placement quantities greater than 16 cubic meters and for all cast-in-place structural concrete placements regardless of quantity. The Contractor shall provide the required concrete pre-placement, concrete placement and concrete post-placement certifications to the Engineer as noted below.

The on-site certified personnel shall be responsible for monitoring and reporting the placement of concrete, at all times throughout the duration of the Project, on forms provided by the Department. The Contractor's certified personnel shall be present, prior to the start of each concrete placement and shall remain in attendance until all operations associated with the placement have been completed.

The Contractor shall submit to the Resident Engineer, fully completed and signed by the certified personnel, the concrete pre-placement, concrete placement and concrete post-placement certifications on Department furnished forms. The Contractor shall furnish the concrete pre-placement certification to the Resident Engineer or his designated representative

prior to the release of concrete from the plant. The concrete placement certification shall be furnished within one Working Day upon the completion of concrete placement. The concrete post-placement certification shall be furnished within one Working Day upon completion of the required curing duration. The Engineer reserves the right to suspend concrete placement, at no cost to the State, until the designated certified personnel is present on site or until necessary reports have been received.

The responsibilities of the Contractor's certified personnel shall consist of, but are not be limited to the following:

1. authorizing release of concrete delivery upon completing the necessary concrete pre-placement certification, which includes obtaining an NJDOT representative signature
2. ensuring proper dimensions of forms, position of reinforcement steel and maintenance of clearances during concrete placement
3. ensuring proper class of concrete, composition and proportions are being utilized and within specification requirements
4. ensuring proper handling, placement, consolidation, and finishing are in accordance with the requirements
5. submission of concrete certifications
6. suspending the concrete placement until any deficiencies are corrected ensuring that the concrete curing arrangements are in accordance with the Specifications
7. maintenance of necessary documents to show compliance

Failure to submit the certifications stated above will result in nonpayment for the daily placement of concrete until complied with.

Subsequent concrete placements may be suspended by the Engineer for failure to comply with the above requirements.

Separate payment for concrete certifications and training will not be made, but all costs thereof shall be included in the various concrete pay items bid.

Instructions to Designers

The revisions shall be included in projects to be advertised after January 1, 2002 that requires concrete work. The revision will be incorporated by the respective Specification Development Group responsible for preparing the Special Provisions, therefore, designers need not insert these changes in the Standard Input.

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Attachment: Forms DC 183,184 and 185 dated 05/01 available upon request

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