

**SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

QUALIFIED READY-MIX CONCRETE PLANTS

The purpose of this policy is to establish the procedures for becoming qualified as a supplier of ready-mix concrete. Only qualified suppliers will be permitted to furnish concrete for SCDOT projects.

To be considered for qualification, the Concrete supplier must submit a plant certification from the National Ready Mix Concrete Association (NRMCA) for each plant proposed to provide concrete for SCDOT projects. Documentation must also be provided showing that the inspector certifying the plant has completed the additional SCDOT related training provided by the Carolinas Ready Mixed Concrete Association (CRMCA) prior to the inspection. The CRMCA can be reached at (704) 717-9199 or on the Internet at www.crmca.com.

Requests for qualification should be submitted to:

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Structural Materials Engineer
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Suppliers included on the qualified product list must still meet all SCDOT specifications and requirements for the equipment, materials, and procedures used during the production of concrete. Additionally, SCDOT personnel have the authority to perform quality assurance inspections of the plants furnishing concrete for SCDOT work at any time without notice.

Plants that do not comply with SCDOT standard specifications or the NRMCA certification program requirements, or that are not furnishing concrete for SCDOT projects, may be taken off the qualified product list. If the SCDOT removes a supplier from qualified product list, the supplier must provide a new NRMCA certification along with the inspector documentation to be considered for reinstatement to the list.

The following are the requirements for NRMCA Inspecting Engineer and Engineer's Assistant Certification Program.

Inspecting Engineer and Engineer's Assistant Certification Program

Inspecting Engineer Certification Requirements

1. The Inspecting Engineer must be a Registered Professional Engineer in South Carolina.
 - a. For inspection of plants outside of South Carolina, the Inspecting Engineer must have dual registration – South Carolina and the state in which the facility being inspected is located.
2. The Inspecting Engineer may be an employee of the Ready-Mixed Company or production plant being inspected.
3. The Inspecting Engineer may be an employee of a raw material supplier of the ready-mixed company or production plant being inspected.
4. The Inspecting Engineer must be familiar with the physical/mechanical components of a concrete production facility
5. The Inspecting Engineer must be on the CRMCA's current qualified list of Inspecting Engineers (The following are prerequisites for CRMCA qualified listing)
 - a. Must complete an 8 hr CRMCA administered training/certification course on NRMCA plant inspection
 - b. Must pass CRMCA administered written plant inspection EXAM
 - c. Certification is valid for 5 years (Must pass a written exam to re-certify)
6. The Inspecting Engineer may have the assistance of another individual or individuals meeting the requirements below that are under the charge of the Inspecting Engineer. In any case, the Inspecting Engineer must be present during at least 10% of the inspection time.

Inspecting Engineer's Assistant Certification Requirements

1. The Engineer Assistant must be a Certified NRMCA Production Control (Level II) or NRMCA Concrete Technologist (Level III)
2. The Engineer's Assistant may be an employee of the Ready-Mixed Company or production plant being inspected.
3. The Engineer's Assistant may be an employee of a raw material supplier of the ready-mixed company or production plant being inspected.
4. The Engineer's Assistant must be familiar with the physical/mechanical components of a concrete production facility
5. The Engineer's Assistant must be on the CRMCA's current qualified list of Inspecting Engineers Assistants (The following are prerequisites for CRMCA qualified listing)
 - a. Must complete an 8 hr CRMCA administered training/certification course on NRMCA plant inspection
 - b. Must pass CRMCA administered written plant inspection EXAM
 - c. Certification is valid for 5 years (Must pass a written exam to re-certify)

Certification and Re-Certification of Concrete Delivery Trucks

SCDOT requires "OPTION B" of the NRMCA truck inspection process. All certifications and re-certifications of delivery trucks must be performed by a Certified Inspecting Engineer. All delivery vehicles must be inspected annually.