STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

DATE: November 2, 2026

TO: Division Engineers

FROM: Brian Hunter, PE
State Materials Engineer

SUBJECT: New Procedure for Generating HiCAMS Sample IDs for Concrete Cylinder Samples

Effective immediately, a unique HiCAMS sample ID shall be generated for all concrete cylinder samples delivered to the laboratory, including both acceptance and early-break cylinders. This is a new procedure being implemented to improve sample tracking, test result tracking, and overall visibility of concrete strength testing activities.

Under this procedure, a separate HiCAMS sample ID shall be created for each designated break age. In addition to the standard 28-day acceptance sample, sample IDs shall be generated for all early-break cylinders, such as 3-day, 7-day, or other scheduled break ages.

The process for creating these additional sample IDs is straightforward. Personnel should first create the 28-day break cylinder HiCAMS sample using the standard process. Once the 28-day sample has been created, use the **Save As** feature to duplicate the sample information for each additional break age.

When creating duplicate records, the following updates are required:

1. **Test Category** – Change the test category from Acceptance to **Information** for all early-break samples.

2. **Field ID** – Modify the Field ID to clearly distinguish the sample from the 28-day acceptance sample. Example: S-5 (28-day break; Acceptance), S-5**A** (7-day early break; Informational), S-5**B** (14-day early break; Informational)

3. **Comments Section** – Enter the applicable test age in the comments field (e.g., "3-Day Break," "7-Day Break," "14-Day Break," etc.).

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS UNIT
1563 MAIL SERVICE CENTER
RALEIGH, NC 27699-1563

Telephone: (919) 329-4000
FAX: (919) 733-8742
Customer Service: 1-877-368-4968

Location:
1801 BLUE RIDGE ROAD
RALEIGH, NC 27607

Website: www.ncdot.gov

These updates are essential to ensure that each sample is properly identified and tracked throughout the testing process.

This procedure has already been implemented in several Divisions and has been well received. The creation of individual HiCAMS sample IDs for all break ages has improved both sample tracking and result tracking, while providing a more complete record of concrete strength testing.

All personnel responsible for creating and receiving concrete cylinder samples in HiCAMS shall begin following this procedure immediately.

cc:

Division Construction Engineers
Resident Engineers
District Engineers
Area Construction Engineers
Regional Bridge Construction Engineers
Materials and Test Unit
Troy Brooks, PE - Director of Field Support
Brian Skeens, PE - State Construction Engineer