



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

DATE: July 25, 2017

TO: Division Engineers

FROM: Brian Hunter, PE *Brian Hunter*
State Laboratory Operations Manager

SUBJECT: Updated Concrete Mix Design Approval Process

As mentioned in the Memo dated February 28, 2017 with the subject of *Interim Concrete Mix Design Approval Process*, the concrete mix design process was being streamlined.

As of the latest release of HiCAMS, July 21, 2017 Version 8.5.2, Build 8.5.2011, concrete mix designs will no longer be assigned to specific contracts. The contractor will no longer need to submit the form 312R through the Residents Engineers office, which was then passed to Materials and Tests for assignment to a contract.

NEW CONCRETE MIX DESIGN PROCESS:

Entry of the mix design into the HiCAMS database.

- The concrete producer submits a mix design on Form 312U and includes supporting documentation for the mix to the Materials and Tests Unit.
- Concrete mix designs are submitted to a general account at ConcreteDesigns@ncdot.gov which allows multiple people to access the design and provides a consistent email regardless of personnel.
- The mix is then verified and entered into the database.
- A copy of the mix as it was entered into the database is sent back to the concrete producer to verify everything is correct.

Inspectors will still need to verify that the mix delivered is consistent with mixes approved in the database and meets the intended purpose as defined in the contract.

Anyone with HiCAMS access can print or view a copy of the current database mix design from HiCAMS. A website has been created to show all approved mix designs numbers. The web address is: <https://engblp.services.ncdot.gov/EAS/CMD/Main.aspx>

When needed and requested from the Resident Engineer's office, the Concrete Mix Design Engineer can still add a comment to any mix design to adjust the mix for a specific purpose.

Mailing Address:
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1563 MAIL SERVICE CENTER
RALEIGH, NC 27699-1563

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

Location:
1801 BLUE RIDGE ROAD
RALEIGH, NC 27607

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If you have any questions or concerns, please contact me, Brian Hunter at 919-329-4030 or bhunter@ncdot.gov.

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