

Rev 12/28/15

FIELD - Operations Inspector Casts Acceptance Cylinders and Creates Sample Record

FIELD - Operations Inspector Prepares and Delivers the Cylinders to the Regional M&T Lab

1. Strip the molds from the cylinders.
2. Verify contract, date made and cylinder numbers are legible. If not add to side of cylinder w/ permanent marker
3. Notes the date samples were transferred to wet curing on "Other" tab of sample.
4. Deliver the cylinders to the regional M&T lab.

Regional M&T Lab Personnel Delivers the Acceptance Cylinders to the TDOT Concrete Cylinder/Core Lab

1. Regional M&T lab personnel delivers the pallet of acceptance cylinders directly to the TDOT Concrete Cylinder/Core Lab.

TDOT Concrete Cylinder/Core Lab Unit Personnel Receives Acceptance Cylinders

HQ Lab performs testing

1. If cylinders break above required strength, no notifications will be sent to Operations or Regional M&T Staff. There are several methods anyone who wants/needs to see the results can access the data
 - i. Run BOE report RR038-Cylinder Breaks - List
 - ii. Open sample record in SiteManager, go to "Tests" tab. Select test T22. Then go to "Services" menu and select "Enter/View Test Results". Read only version of the test template w/ results will open in new window.
 - iii. Break info will also be posted on-line for persons without SiteManager access.
2. If the cylinders break below required strength, automatic notifications will be sent to the Operations unit & Materials & Tests office in charge of the contract. Below are the steps to be followed in that circumstance

Regional M&T Runs Report for Deficient Strength

Scenario: For the cylinder breaks that do not meet the requirements for strength, the following occurs:

3. Regional M&T personnel run the *Concrete Evaluation for Deficient Strength* [\[Report: RR050\]](#) report and print it. This report includes: the sample IDs of the cylinders that failed; item codes, and locations where the defective concrete was used; and the average strength of the cylinders breaks.
4. Send the printed report to the FIELD - Operations Office Staff.

5. Regional M&T personnel calls FIELD - Operations Office Staff to notify them of the low break.

FIELD - Operations Office Staff Notifies the Contractor of Deficient Strength

6. If the contractor decides not to core, FIELD - Operations Office Staff uses this report to create the deduction in SiteManager.

If the contractor decides to core, REG - M&T Inspector copies and edits the acceptance cylinder sample record with the **Failed, but Left in Place** sample status. Including copying the Lab Control Number. Follow the same process used to send a cylinder through the queues, with the addition of writing the sample ID **legibly (neatly)** on the side of the core.

7. If the cores still do not meet strength requirements, Regional M&T personnel run the *Concrete Evaluation for Deficient Strength* [\[Report: RR050\]](#) report and print it. Send the printed report to the FIELD - Operations Office Staff. FIELD - Operations Office Staff will use this report to aid in creating the deduction in SiteManager.
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