

NDDOT TECHNICAL CERTIFICATION PROGRAM (TCP)

AGGREGATE TESTING AND ASPHALT MIX TESTING

SCHEDULE

The Aggregate and Asphalt Mix Testing course is divided into two sessions. Aggregate testing is covered the first two days. Asphalt mix testing is covered the last two days. You must register for both sessions if your goal is certification to test aggregate and asphalt mixtures.

You may elect to attend only the Aggregate Testing session (first two days). The Asphalt Mix Tester course requires completion of the Aggregate Testing course first.

AGGREGATE TESTING – 8 AM TO 5 PM DAILY

January 14-15, 2019, Quality Inn, 1030 E Interstate Ave, Bismarck, ND, 701-223-1911 (*formerly the Comfort Inn*)

March 18-19, 2019, Quality Inn, 1030 E Interstate Ave, Bismarck, ND, 701-223-1911

ASPHALT MIX TESTING – 8 AM TO 5 PM DAILY

January 16-17, 2019, Quality Inn, 1030 E Interstate Ave, Bismarck, ND, 701-223-1911

March 20-21, 2019, Quality Inn, 1030 E Interstate Ave, Bismarck, ND, 701-223-1911

Lodging

A block of rooms is available under NDDOT/DAPA and will be available until the block is filled or two weeks prior to the course start. Rooms may be available after the release date but are not guaranteed.

[Quality Inn Web Link](#)

OVERVIEW

Aggregate Testing and Asphalt Mix Testing are courses for individuals pursuing materials tester certification through the NDDOT Technical Certification Program (TCP) to work on QC/QA asphalt paving projects. The courses are also required for individuals pursuing the Asphalt Mix Controller certification. This course is presented in two sessions. Total course length is approximately 32 hours.

The courses are for certification and are held in a classroom. They do not include laboratory practice. Prior materials testing experience is expected. Content includes video demonstration for review of the tests and procedures, worksheets and other calculations, as well as ND specifications. Both sessions concludes with a written exam.

Successful completion of both sessions and the written exams are the first steps for certification. Laboratory Performance (proficiency) test verification is also required. The performance exam is typically completed at a later date by appointment. The form to request a performance exam may be found on the TCP web page.

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This course is also open and encouraged for all construction professionals actively involved in aggregate production and general aggregate testing and/or asphalt paving outside the scope of QC/QA.

General Aggregate Testing: Successful completion of this course and a performance exam will provide certification for individuals testing aggregates for projects other than QC/QA. For example: aggregates for base, micro surfacing, chip seals, concrete or testing during aggregate production.

An example of the course manual is available from the TCP web page or by [clicking this link](#):

COURSE SYLLABUS:

- Aggregate and Asphalt Test Procedures
- Aggregate and Asphalt Mix - Sampling
- Aggregate and Asphalt Specifications
- Calculating and Reporting Aggregate Properties Using NDDOT Forms and Worksheets
- Testing Equipment and Calibration Overview
- Roles and Responsibilities of the Field Lab Tester
- Daily report requirements

MINIMUM REQUIREMENTS

- Basic Math Skills
- Calculator (cell phone calculator will not be allowed for exam)
- General understanding of construction processes

WORK EXPERIENCE

Materials testing experience in a field laboratory setting*

This course will cover the tests and forms commonly used in an aggregate/asphalt mixture field laboratory. The importance of prior work experience or exposure to working in a field laboratory is cannot be overstated. A minimum of one year of materials testing experience is beneficial and highly recommended.

*Recently hired employees that do not have aggregate or asphalt mix testing experience may attend the course however a performance exam will not be scheduled until documentation of training has been received.

CERTIFICATION REQUIREMENTS FOR TESTING

Completion of course and written exam

Performance exam

Individuals pursuing Mix Controller certification that do not need tester certification are not required to complete a performance exam. Completion of the courses will fulfill the pre-requisite requirement.

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REGISTRATION FEE

\$225 per session/\$450 for both sessions

Payment may be made via credit card or by check mailed to DAPA. Registration for the class is through the DOT web link. A class registration confirmation email will contain the link to the DAPA payment web page.

Includes the class manual and exam.

Break refreshments

Lunch is on your own

REGISTER ONLINE

To register for this course [click this link](#) or go to the TCP Registration link found on the NDDOT TCP web page under the tab labeled ***Certification Classes***.

REFERENCE MATERIAL

[NDDOT Field Sampling and Testing Manual](#)

[Standard Specification for Roads and Bridges, Supplemental Specifications](#)

Class Manual and Handouts

[QA Lab Tester Daily Responsibility Check List](#)

[Construction Records Manual](#)

INSTRUCTOR

Ken Swedeen, DAPA

Ron Tessier, Retired NDDOT Materials Coordinator

GUEST PRESENTERS

NDDOT Materials and Research and District staff

CONTACT

Questions: dotmaterials@nd.gov

701-328-6937

NDDOT TCP Web Link

<http://www.dot.nd.gov/divisions/materials/techniciancertification.htm>