

# NDDOT TECHNICAL CERTIFICATION PROGRAM (TCP)

## AGGREGATE TESTING AND ASPHALT MIX TESTING

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### SCHEDULE

The Aggregate and Asphalt Mix Testing course is divided into two sessions. The first two days will cover the aggregate tests and the last two days will include the asphalt mix tests. A written exam is given at the end of each for each session.

You may elect to attend only the Aggregate Testing portion (first two days). The online registration system automatically registers you for the both sessions. Please contact the NDDOT if that is your preference. The registration cost will be reduced.

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#### AGGREGATE TESTING – 8 AM TO 5 PM DAILY

January 22-23, 2018, Quality Inn, 1030 E Interstate Ave, Bismarck, ND, 701-223-1911 (*formerly the Comfort Inn*)

February 26-27, 2018, Ramada Bismarck Hotel, 1400 E Interchange Ave, Bismarck, ND 58501, 701-258-7000

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#### ASPHALT MIX TESTING – 8 AM TO 5 PM DAILY

January 24-25, 2018, Quality Inn, 1030 E Interstate Ave, Bismarck, ND, 701-223-1911

February 28-March 1, 2018, Ramada Bismarck Hotel, 1400 E Interchange Ave, Bismarck, ND 58501, 701-258-7000

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### LODGING

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

[Quality Inn Web Link](#)

[Ramada Web Link](#)

### OVERVIEW

Aggregate Testing and Asphalt Mix Testing is a course for individuals who are pursuing materials tester certification through the NDDOT Technical Certification Program (TCP) for working on QC/QA asphalt paving projects. It is also required for individuals pursuing the Asphalt Mix Controller certification. This course is broken into two sessions. Total course length is approximately 32 hours.

This is a certification course that is held in a classroom. It does not include laboratory practice. Individuals attending are expected to have prior materials testing experience. 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.

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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 completed at a later date by appointment. The form to request a performance exam may be found on the TCP web page.

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: Completion of this course will also 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](#):

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### 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

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### MINIMUM REQUIREMENTS

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

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### WORK EXPERIENCE

- Materials testing experience\*

**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.

The performance exam may be completed up to one-year from the completion of the course.

### CERTIFICATION REQUIREMENTS FOR TESTING

- Completion of course and written exam

- Performance exam

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Performance exam to be completed at later date. May be scheduled if verification of training has been documented by employer.

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

### REGISTRATION FEE

\$450 for full course

*(\$225 for Aggregate Testing only – please notify us **after** registering online for this course)*

Includes the class manual and exam.

Break refreshments

Lunch is on your own

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### 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**.

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### REFERENCE MATERIAL

NDDOT Field Sampling and Testing Manual

Standard Specification for Roads and Bridges, Supplemental Specifications

Class Manual and Handouts

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### INSTRUCTOR

Ken Swedeen, DAPA

Ron Tessier, Retired NDDOT Materials Coordinator

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### GUEST PRESENTERS

NDDOT personnel

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### CONTACT

Questions: [dotmaterials@nd.gov](mailto:dotmaterials@nd.gov)

701-328-6937

NDDOT TCP Web Link

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