

NDDOT TECHNICAL CERTIFICATION PROGRAM (TCP)

ASPHALT MIX CONTROLLER

SCHEDULE

ASPHALT MIX CONTROLLER

March 25-28, 2019, Quality Inn, 1030 E Interchange Ave, Bismarck, ND, 701-223-1911

Class schedule: 1 -5 pm March 25. 8 am to 5 pm March 26-27. 8 am to approximately Noon March 28

LODGING

A block of rooms is available under NDDOT/DAPA and will be available until the block is filled or March 11. Rooms may be available after the release date but are not guaranteed.

[Hotel Web Link](#)

OVERVIEW

This course provides an overview of the asphalt mix design process and process control and field troubleshooting. This course is intended for individuals who are pursuing certification through the NDDOT Technical Certification Program (TCP) to work on QC/QA asphalt paving projects. Course length is approximately 24 hours.

Successful completion of this course and prerequisites provides certification that is required for both the Contractor and Engineer as an Asphalt Mix Controller. Completion of this course is also required for individuals that prepare and submit asphalt mix designs. Individuals with Asphalt Mix Controller certification are typically the mix designer for the project or the foreman/project engineer.

Please note: This course is NOT an introductory course. Students are expected to have asphalt paving experience and/or asphalt mix design testing experience before registering.

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

COURSE SYLLABUS

- Basic review of mix design aggregate and asphalt mix test
- Aggregate Specific Gravity Testing
- Volumetric Parameter Determination for Asphalt Mix Design
- Mixture Design
- Calculating and reporting asphalt mixture properties
- Specifications and testing tolerances
- Troubleshooting mixture problems in the field

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MINIMUM REQUIREMENTS

- Math Skills
 - Field experience and general knowledge of construction projects and processes
 - An understanding of asphalt mixture testing and analysis
 - Calculator (cell phone calculator will not be allowed for exam)
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WORK EXPERIENCE

Two to five years of asphalt paving field and/or asphalt mix design testing experience is **strongly** suggested prior to registering for this course. Effectively carrying out the duties of an Asphalt Mix Controller can only be accomplished by the combination of work experience and then certification.

REFERENCE MATERIAL

Manual with presentations

MS 2 Asphalt Mix Design Methods

[ND Standard Specification for Roads and Bridges](#)

[ND Field Sampling and Testing Manual](#)

CERTIFICATION REQUIREMENTS

- Asphalt Pavement Inspection
- Aggregate Testing
- Asphalt Mix Testing
- Asphalt Mix Controller

Completion of all four courses and passing grades on each written exam.

Field Lab testers or mix designers must complete an aggregate and asphalt mix performance exam.

REGISTRATION FEE

\$550

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 class manual, MS 2 Asphalt Mix Design Methods, handouts and written 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***.

INSTRUCTORS

Ken Swedeen, Dakota Asphalt Pavement Association

Mark Blow, Asphalt Institute

CONTACT

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NDDOT TCP Web Link
<http://www.dot.nd.gov/divisions/materials/techniciancertification.htm>