

NDDOT TECHNICIAN CERTIFICATION PROGRAM TRAINING CLASSES AND CERTIFICATIONS OFFERED

Training - Classes And Material

Asphalt and aggregate training classes are held in cooperation with Dakota Asphalt Pavement Association (DAPA). Instructors are hired by DAPA. DOT employees serve as examiners for the performance exams which are held at the Materials and Research lab or at the district offices as needed. Class participants include DOT, contractors, consultants, counties, cities and various other entities. The asphalt training classes are a result of the QC/QA

Introduction to Asphalt

This is an introductory class that covers asphalt materials and aggregates. It is taught entirely in a classroom. A written examination is offered at the completion of the class. This class is a pre-requisite for certification. (1½ days)

Asphalt Inspection

This is a paving and compaction class for the asphalt inspector and the contractor's superintendent and foreman. It is taught entirely in the classroom and covers subjects such as paver and roller types and operations, specification requirements, and agency and industry roles and responsibilities. A written examination is offered at the completion of the class. (1½ days)

Aggregate Testing

All tests and procedures covered within the aggregate certifications offered are covered in this class. The class is held in both the classroom and the Materials and Research Division lab. A demonstration of each test will be given. A written exam is offered at the completion of the class. (1½ days)

This class is a pre-requisite to the Asphalt Mix Testing class if certification as an Asphalt Mix Tester is desired. It is also required for Asphalt Controller certification.

A hands-on proficiency exam must be completed if certification as an Aggregate Field or Aggregate Lab Tester is desired. Proficiency exams are scheduled by appointment.

Asphalt Mix Testing

This class covers quality control and quality assurance testing of hot mix asphalt. It is taught in the classroom and the Materials and Research lab. A demonstration of each test will be given. A written examination is offered at the completion of the class. This class is also required for Asphalt Controller certification. (2 days)

A hands-on proficiency exam must be completed if certification as an Asphalt Mix Tester is desired. Proficiency exams are scheduled by appointment.

Asphalt Controller

This class is for Asphalt Controllers, Plant Superintendents, Agency Project Managers and Engineers, and both Agency and Testing Lab Supervisors. It is taught entirely in the classroom and it covers both Superpave and Marshall mix design requirements and working ranges as specified by NDDOT QC/QA specifications. It also covers subjects such as blending aggregates, detection of data uniformity. A written examination is offered at the completion of the class. (3 days)

Recertification Classes - classes are required every five years after certification is achieved.

Asphalt Pavement Inspection Re-Certification This is a half day refresher class for Asphalt Pavement Inspectors. A written exam is offered at the completion of the class.

Asphalt Controller Re-Certification This is a half day refresher class for Asphalt Controllers. A written exam is offered at the completion of the class.

Aggregate Re-Certification This is a half day refresher class for Aggregate Testers. It covers all aggregate tests. A written exam is offered at the completion of the class.

Asphalt Mix Tester Re-Certification This is a half day refresher class for Asphalt Mix Testers. It covers all asphalt mix tests. A written exam is offered at the completion of the class.

Other Classes

Soils

We have offered a Soils class for three years to DOT employees. This class is taught by Materials and Research staff. This spring (2006) we will also be offering this class to the contractors and consultants. The class includes class room and hands-on training and covers the soils tests ran in the field. A written exam and performance exam is completed. Certification is valid for 5 years. (1½ days)

Concrete Field

We register DOT employees in the American Concrete Institute (ACI) Concrete Field Testing Technician classes held each year. The class includes both class room and hands-on training. A written exam and performance exam is completed. Certification is valid for 5 years. The entire class is repeated every five years. (2 days)

5 Year Certifications

Asphalt/Aggregate

Asphalt Pavement Inspector - requires successful completion of; Introduction to Asphalt and Asphalt Inspection.

Asphalt Mix Controller - requires successful completion of; Introduction to Asphalt, Aggregate Testing, Asphalt Mix Testing, Asphalt Inspection, and Asphalt Controller.

Aggregate Tester - requires successful completion of Aggregate Testing class and proficiency exam. Two aggregate tester certifications are offered, Aggregate Lab and Aggregate Field. Aggregate Field includes just the tests, sampling, splitting, drying, and gradations.

Asphalt Mix Tester - requires successful completion of, Introduction to Asphalt, Aggregate Testing and Asphalt Mix Testing classes and proficiency exams.

Re-Certification Requirements – Required Every Five Years After Certification

Asphalt Pavement Inspector – Successful completion of Asphalt Inspector Re-Certification class

Asphalt Mix Controller – Successful completion of Asphalt Inspector Re-Certification class and Asphalt Controller Re-Certification class

Aggregate Tester – Successful completion of Aggregate Tester Re-Certification class plus hands-on aggregate proficiency exam.

Asphalt Mix Tester – Successful completion of Aggregate Tester Re-Certification class and Asphalt Mix Tester Re-Certification class plus hands-on mix proficiency exam.

Other Certifications

Soils – Requires successful completion of Soils class. Certification is valid for 5 years. Recertification requires a half day refresher class which includes a proficiency exam.

Concrete Field – Requires completion of ACI Concrete Field Testing Technician class. The classes are sponsored by Midwest Testing Fargo and are held each year. Certification is valid for 5 years. Recertification requires completing the entire class every five years.

One Year Certification

A one-year certification is available for any one or a combination of individual tests or procedures included in the aggregate, soils, asphalt or concrete certification areas. Certifications are valid for the construction season and end December 31 of that year. District Materials Coordinators are responsible for the training and performance exam. This category includes DOT as well as contractors, consultants, and testing labs.