

Division of Materials and Tests

TDOT Certification:

Concrete Mix Design Technician Certification Program

The TDOT Concrete Mix Design Technician is an individual who is responsible for performing all necessary tests and calculations to submit concrete mix designs for approval.

Scope of Course

The program requires a working knowledge of the following:

- Basic Concrete Ingredients
- AASHTO R 39/ASTM C192 – Making and Curing Concrete Test Specimens in the Laboratory
- AASHTO T 22/ASTM C39 – Compressive Strength of Cylindrical Concrete Specimens

Prerequisites

- Successful completion of Concrete Field Testing Technician Course
- Successful completion of Concrete Plant Quality Control Technician Course
- Advanced understanding of concrete testing, placement, inspection, and quality control
- Advanced knowledge of applicable TDOT Standard Specifications, Supplemental Specifications, Special Provisions, and Standard Operating Procedures
- Capable of performing basic mathematic operations (addition, subtraction, multiplication, division, percentages, etc.)

Certification Requirements

- 1) TDOT will grant certification to those applicants who have a passing grade on the written examination. The exam is “closed book” and a minimum score of 70% is required.
- 2) Recertification is necessary every five (5) years and requires that the technician attend the class and successfully complete the written examination.

Notices

- A Valid PHOTO ID IS REQUIRED upon check-in.
- Cheating on any level WILL NOT BE TOLERATED, will result in immediate expulsion from the course, and supervisors and directors will be notified.
- The use of cell phone calculators WILL NOT be permitted during exam.