

TRAINING and CERTIFICATION SEMINAR for CONCRETE



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Section 1

Introduction



WMTG Concrete Training & Certification Seminar

Why WMTC Concrete Certification?

- Fulfills testing technician requirements for WYDOT QC/QA concrete projects
- Provides recognition for concrete technicians who have demonstrated ...
 - knowledge & ability to properly perform field tests on fresh concrete
 - a basic knowledge about concrete fundamentals and WYDOT specifications
- Increases the reliability & confidence level of test results
- Improves quality control
- Assures accuracy in identifying good quality & substandard concrete

WMTC Certification

- Administered by the University of Wyoming & WYDOT
- Recognized by State of Wyoming
- Valid for 5 years (*must pass all three exams*)
- **WYDOT Written Exam (take online)**
 - 45 multiple choice/True-False Questions (open book & notes)
 - Covers concrete fundamentals & WYDOT Specifications
 - To Pass: 70% overall score or higher (32 correct answers)
- **Concrete Testing Written Exam (take online)**
 - 50 multiple choice/True-False Questions (open book & notes)
 - Covers WYDOT (ASTM) testing equipment and procedures
 - To Pass: 70% overall score or higher (35 correct answers)
- **Concrete Testing Performance Exam covering (take at Cheyenne Lab)**
 - Six ASTM Standards – Pass/Fail Exam: 2 tries per test (closed book & notes)

Education Materials

For this seminar, you need the following ...

- 1. WMTC Training and Certification Seminar For Concrete (print out materials)**
- 2. ASTM Standards (Six Standards on Loan from WTMC)**

You will also need a Calculator

Definitions

ACI International -American Concrete Institute, Farmington Hills, MI

ASTM - American Society for Testing and Materials, West
Conshohoken, PA

MTM - *WYDOT Materials Testing Manual*

PCA - Portland Cement Association, Skokie, IL

SSRBC - *WYDOT's Standard Specifications for Road & Bridge
Construction*