



ACI Concrete Field Testing Technician – Grade I Certification

Presented by the Las Vegas Chapter of the American Concrete Institute.

Code: TU54 **NEW!**
Title: ACI Field Concrete Testing Technician - Grade I Review
Date/Time: Tuesday, January 24 | 1:00 pm - 4:00 pm
Location: LVCC North Hall, Room N238

This review seminar will provide an overview of the seven ASTM field tests for ready-mixed concrete included in the ACI Concrete Field Testing Technician – Grade I certification program. Participants will review testing procedures and why they are critical in providing accurate and reliable testing results. Attendees will also have the opportunity to participate in a hands-on practice session Wednesday morning, Room N254, when purchasing the written/performance examinations (WTHFTE).

The official workbook for the ACI Concrete Field Testing Technician Grade I written exam, PC-1(11), is included with the [examinations registration fee](#) – See WTHFTE. **NOTE:** “Seminar Only” attendees should purchase a copy of the workbook at the WOC bookstore to serve as the handout for this seminar.

Learning Objectives:

1. Outline requirements of the ACI Concrete Field Testing Technician - Grade I program
2. Explain how to properly conduct field tests on freshly mixed concrete
3. Describe how proper procedures result in accurate and reliable results
4. Examine seven ASTM test methods and best practices:
 - a. C1064/C1064M Temperature of Freshly Mixed Hydraulic-Cement Concrete
 - b. C172 Sampling Freshly Mixed Concrete
 - c. C143/C143M Slump of Hydraulic-Cement Concrete
 - d. C138/C138M Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
 - e. C231 Air Content of Freshly Mixed Concrete by the Pressure Method
 - f. C173/C173M Air Content of Freshly Mixed Concrete by the Volumetric Method
 - g. C31/C31M Making and Curing Concrete Test Specimens in the Field

3.0 continuing education hours submitted for AIA/CES (HSW) and PDH.

TU54 Seminar Fee: \$125.00 on or before 12/08/11; \$155.00 after 12/08/11 and onsite

Code/Title: WTHFTE(1-4) ACI Concrete Field Testing Technician – Grade I
Written/Performance Examinations
Date/Time: WRITTEN EXAM: Wednesday, January 25 | 3:30 pm – 5:30 pm (Room N238)
Date/Time: PERFORMANCE EXAM: Thursday, January 26 | 9:00 am – 5:00 pm
(two-hour time slots) Gold Lot

Registration for the combined written/performance examinations includes the ACI publication CP1 (11) which will be mailed to you prior to the show. The one-hour, closed-book, written exam consists of 55 multiple choice and true-false questions. The performance exam requires examinee to properly perform and record the results of seven basic field tests on freshly mixed concrete. In order to obtain certification participants must pass the written exam with a score of at least 60% on each ASTM Standard, a 70% percent overall score, and successfully perform each of the seven ASTM Standard Methods. Attendees will also have the opportunity to participate in a hands-on practice session Wednesday morning prior to taking the written examination—practice session included with examination registration.

Schedule: Hands-on practice session, Room N254, on Wednesday, January 25 between 8:00 am and 12:00 pm is an open workshop which gives attendees an opportunity to observe and participate in demonstrations for each of the testing procedures. The Written Examination will be administered Wednesday, January 25 from 3:30 pm – 5:30 pm. The Performance Examination takes approximately two hours to complete and will be held Thursday, January 26 from 9:00 am through 5:00 pm.

NOTE: Space is limited to 30 participants per time slot, so register early! When registering, attendees will select their preferred two-hour slot – see schedule below:

WTHFTE1: 9:00 am – 11:00 am

WTHFTE2: 11:00 am – 1:00 pm

WTHFTE3: 1:00 pm – 3:00 pm

WTHFTE4: 3:00 pm – 5:00 pm

WTHFTE Written/Performance Exam Fee: \$430

Separate registration fee required for review seminar TU54 (\$125 advanced fee; \$155 after 12/08/11) and for the combined examinations (\$430).

Questions about the certification or examinations can be answered by Las Vegas ACI at acilasvegas@earthlink.net or 702.656.8827.