Masonry Laboratory Training

Who should attend: Staff at Testing Laboratories, Masonry Contractors, and Ready Mix Concrete Batch facilities who routinely test masonry materials used for construction, including laboratory staff, QA/QC Supervisors, project managers, Code Enforcement officials, City inspectors, or anyone interested in how to properly test masonry construction in the field.

Program Content:

**Testing**
Why do we test? What can we test? When do we test? How do we test?

**Fundamentals of Masonry Laboratory Testing**
Classroom and Laboratory hands-on training; Best practices and tips; How to interpret the results and identify common errors

**Use, Maintenance, and Calibration of Equipment**
How to properly use equipment; How to maintain and routinely calibrate equipment

**ASTM Standards**
These test methods will be included in the classroom and the hands-on training in the laboratory:
- ASTM C140 – Sampling and Testing CMU’s
- ASTM C1019 – Sampling and Testing Grout
- ASTM C780 Annex A4 – Mortar Aggregate Ratio
- ASTM C780 Annex A6 – Compressive Strength of Mortar
- ASTM C1552 – Capping CMU’s

These specifications will be discussed:
- ASTM C90 Specification for Load Bearing Concrete Masonry Units
- ASTM C270 – Specification for Mortar for Unit Masonry
- ASTM C1314 – Compressive Strength of Masonry Prisms
- ASTM C39 – Compressive Strength of Cylindrical Concrete Specimens
- ASTM C109 – Compressive Strength of Hydraulic Cement Mortars
- ASTM C617 – Capping Cylindrical Concrete Specimens

**Instructors:**

**Michael Morrison,** Manager, Certification Program Development, has over 35 years of experience in the cement and concrete industry.

**Rusty Owings,** Resource Center Manager, has over 20 years of experience in the design and construction industry.

**Cost**
This training program is offered for $329 and includes Program binder including best practices and Study guide for Masonry Laboratory Testing Technician.

This is a training session ONLY and ACI certification is NOT part of this program.

www.concrete.org/socalresourcecenter.aspx