

Aggregate Soils/Base Testing

ACI Training Seminars

ONE DAY PROGRAM FOR UP TO 8 PARTICIPANTS

This training program includes classroom review and hands on demonstration of multiple procedures, test methods, and equipment required to be able to properly perform various aggregate and soils laboratory tests. Test methods are used in the classification and behavioral testing of base/subbase materials. The instructors will focus on methodology and understanding the results of each test.

Cost - This training program is offered for \$329 and includes Program binder for best practices and Study guide for Aggregate Soils/Base Testing Technician.

Who should attend: Staff from Material Testing Laboratories and Geotechnical Laboratories, who routinely conduct aggregate and soils testing. Including laboratory technicians and laboratory managers and facilities seeking certification for aggregates and soils testing. Anyone interested in how to properly classify and perform behavioral testing of base, soils, and subbase materials for construction purposes.

Program Content:

Testing

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

Fundamentals of Aggregate Soils/Base 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:

- AASHTO R 90/ASTM D75 – Sampling of Aggregates
- AASHTO T 248/ASTM C702 – Reducing Samples
- AASHTO R 58/ASTM D421 – Dry Preparation of Disturbed Soil
- AASHTO T 89/ASTM D4318 – Determining the Liquid Limits of Soils

- AASHTO T 90/D4318 – Determining the Plastic Limit and Plasticity Index of Soils
- AASHTO T 88/ASTM D422 – Particle Size Analysis of Soils
- AASHTO T 265/ASTM D2216 – Determination of Moisture Content of Soils
- AASHTO T 180/ASTM D1557 – Moisture-Density Relations of Soils Using a 10-lb Rammer and a 18-in. Drop
- AASHTO T 99/ASTM D698 – Moisture-Density Relations of Soils Using a 5.5-lb Rammer and a 12-in. Drop

Interested? Contact your regional ACI Resource Center to set up your training!

For more information or to set your training dates,
contact an ACI Resource Center near you:

[ACI Southern California Resource Center](#)

Call 248-516-1111 or E-mail socal.resourcecenter@concrete.org

[ACI Chicago/Midwest Resource Center](#)

Call 248-516-1112 or
E-mail midwest.resourcecenter@concrete.org

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