Instructors:
Emily Boirum is Resource Center Manager for ACI with 25 years of industry experience she previously served as laboratory supervisor leading standard and behavioral testing of aggregates, asphalt, and concrete as well as performing primary and secondary geotechnical soils testing.

Tim King is Resource Center Manager for ACI with 10 years of experience he previously served in the United States Air Force with RED HORSE and helped develop and instruct a pre-deployment construction materials testing course related to concrete, aggregate, and asphalt testing.

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

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 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

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