



ATLANTIC TESTING LABORATORIES

Seminars



Each seminar is one-hour and is typically given at your office. All seminars are approved for one Professional Development Hour (PDH) for PEs in attendance. For architects, we issue a certificate of course completion to be processed with the American Institute of Architects (AIA) to receive a learning unit (LU).

Geotechnical

Geologic Hazards Associated with Soils, Rocks, Earthquakes, and Karst

This presentation provides geologic insight into some common engineering hazards associated with expansive soils, toxic soils, faults, liquefaction, karst, and rock properties and how to identify and prepare for them.

Execution of a Subsurface Investigation Program

This presentation focuses on the execution of a subsurface investigation program from start to finish; beginning with proposed project information, explores topics such as site history and geology, determining information that will be obtained during field and laboratory operations, foundation recommendation and design reporting, and evaluating construction monitoring.

Subsurface Investigation and Geotechnical Evaluation

This presentation focuses on boring log and subsurface investigation methodologies; basic understanding of how data is obtained, soil classifications, engineering properties of soil, and bearing capacities.

Role of Laboratory Testing in Geotechnical Engineering

This presentation discusses the typically geotechnical laboratory tests performed on soil samples for foundation evaluations in New York State. The typical index and performance tests will be presented along with the role geotechnical engineer of record in the laboratory testing program.

Deep Foundation Testing

This presentation will explain how to better understand how and why pile testing is performed. Considerations when specifying pile tests, and what to expect from the test results.

Engineering Challenges with Problem Soils in New York

This presentation addresses difficult soil conditions found across New York expansive soils, varved silts and clays, marine clays, karst features, solutional features, and pyritic shales. Typical engineering solutions for these soils will be presented.

Geotechnical Evaluations for Roadway Projects

Course covers typical geotechnical evaluations for paved and unpaved roadway projects in NE US, including investigation methods and tests to determine typical geotechnical design parameters, frost heave considerations for pavement design, and subgrade preparation during construction.