Description: This course is part of a series to develop a training and qualification/certification program for geotechnical inspectors and field personnel. The course follows FHWA guidelines and practices for subsurface investigations. Topics addressed in the course include exploration equipment and methods, safety, borehole sealing, drilling and sampling requirements and criteria, proper visual classification and description of soils and rocks, common drilling errors, and dealing with difficult subsurface site conditions. A 2-hour qualification exam is administered at the end of the course.

Per ODOT's Office of Geotechnical Engineering, completion of this course is a consultant prequalification requirement for drilling and field inspection on ODOT geotechnical projects. Refer to Sections 2.16 and 2.17 (Geotechnical Services) of ODOT's Consultant Prequalification Requirements and Procedures manual (2019 Ed.). ODOT Office of Consultant Services Webpage

Who Should Attend? – The target audience for this course includes drillers, drilling inspectors, engineers, geologists, and technicians involved in field data collection and quality assurance of subsurface investigations.


Registration Information – LTAP is managing the registration process for ALL participants. The registration fee is $950 as established by NHI. No meals are provided; lunch is on your own. Any registrant requiring a reasonable accommodation during training (i.e., mobility or access) should contact Ohio LTAP prior to the course date so the appropriate arrangements can be made. Note: Registrants who will be unable to attend the training after registering are required to cancel a minimum of 21 days prior to the course start. Staff substitutions are encouraged. No refunds will be processed for cancellations less than 21 days prior to the course start.

AGENDA – 3 Days: 8:00am to 4:00pm
Course Outcomes:
Upon completion of the course, participants will be able to:

- Explain the investigation specialist's general role and duties, as well as the importance of coordination and communication with the field personnel and engineers
- Explain the purpose of geotechnical subsurface investigations and why adequate, consistent, and quality investigations are essential
- Identify the major components of the typical subsurface investigation plan
- Identify common drilling rigs, uses, and components
- Explain the importance of accurate borehole logging and documentation
- Describe the importance of accurate groundwater investigations
- Discuss safety issues involving operation of a drill rig

Total Contact Hours = 18.0 (with lunch times & break times subtracted).

Please visit https://ltap.enrollware.com/schedule to access the online registration system. Select the course name from the Schedule page, and then scroll down to click on the session date/location highlighted in green font to proceed.

ODOT Employees Payment Information:
Please provide your District/Division _____ Cost Center _____ SAC _____ in the ADDITIONAL INFORMATION section (Q010) of the online registration form. The $950 fee will be charged to your account. Registrations submitted without payment information will not be processed.

Subsurface Investigation Qualification – NHI

November 5 - 7, 2019

Columbus – ODOT Office of Aviation, Room 100
2829 W. Dublin-Granville Rd. (43235)

Fee (per NHI): $ 950.00

If you have any questions regarding your registration, please contact Ohio LTAP at ltap@dot.ohio.gov or (614) 387-7359.