

Hands-On

Hands-On Advanced Underground Utility Locating - Beyond the Basics

Phillips 66 Approved Vendor



Course Description

This is an Advanced Hands-On follow-up course that requires the completion of our Underground Utility Locating course. This course is geared toward the experienced locator and is a must for your cable locating technicians that have completed our Underground Utility Locating course.

Today's underground environments are getting more and more congested and advanced with so many more providers, contractors and all types of deployments and services provided today.

The massive deployment of fiber optic cables, power lines, existing copper in the ground, underground utilities (facilities) for telephone and internet services, cabling systems, electric services, gas lines, liquid pipelines, water and sanitary sewage systems, etc.

This course will cover the advanced topics that are continually asked in our previous course that just do not have the time to cover that class. So this course was built on the constant request from our completed students that want more advanced testing and advanced topics "Beyond the Basics".

This advanced course can be tailored to any Utility Environment and can include any customer equipment.

Today's digital locators have pinpoint accuracy, and are superior to locators of the past. We will show you how to use the advanced features of these new locators and the locators you have on-site. Get the most out of your equipment.

Students Will Learn

- **Review of electromagnetic theory**
- **Conductive Locating**
- **Controlled circuit**
- **Alternative connection points/methods**
- **Inductive locating**
- **Coupling/Clamp**
- **Induction**
- **4-way sweeps**
- **Equipment review**
- **Advanced features**
- **Insertion techniques**
- **Sondes**
- **Alternative Grounding**
- **Passive modes**

- **Utility specific locating**
- **Marker systems**
- **And more...**

Target Audience

Anyone that has completed our Underground Utility Locating, and is looking for more advanced training on locators to today congested and fast growing environments.

Prerequisites

Have completed our Hands-On Underground Utility Locating course.

Course Outline

Module 1:

Review of electromagnetic Theory

Peak/Null

Importance of a round signal

Module 2:

Conductive Locating

Grounding

Insertion Techniques (wire/fish tape/etc)

High frequency investigation

Module 3:

Inductive locating

Clamp/Coupler

Induction

4-way sweeps

Investigation using induction

Module 4:

Sondes

Passive Modes

Marker Systems

Advanced equipment features

Utility Specific training

Delivery Method

Instructor led with numerous Hands-On labs and exercises.

Equipment Requirements

(This apply's to our hands-on courses only)

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

Course Length

2 Days