



## **AutoCAD Civil 3D Survey Essentials**

This course provides a thorough introduction to the survey functionality provided within AutoCAD® Civil 3D®. The course examines how Civil 3D manages point data in the drawing and controls point organization, display and labeling. The course also examines how Civil 3D Survey processes data obtained in the field, transferring data into a Civil 3D Survey project and database, and from there into the drawing. Participants receive an in-depth examination of the Civil 3D Survey project and its capabilities, including topics such as network and traverse definitions and analysis.

Topics addressed in this class are appropriate for surveyors engaged in most survey applications, such as topographic, mapping, ALTA, boundary, stakeout and engineering support. Civil 3D Survey has powerful tools applicable across a wide range of survey applications, and this course brings real project application experience to the training and effective use of Civil 3D surveyors.

### **Learning Objectives**

1. Participants will be able to describe the organization of a Civil 3D Survey project as illustrated using the sample survey project used in the course.
2. Participants will be able to describe the process of importing field generated survey data using the sample survey project data as illustrated using the sample survey project used in the course.
3. Participants will be able to describe the steps used to control and change the display and labeling of points as illustrated using the sample survey project used in the course.
4. Participants will be able to describe the process for defining traverses, preparing traverse closure reports and performing traverse analysis as illustrated using the sample survey project used in the course.

