

AutoCAD Civil 3D Survey Project Management and Data Import – 1.0 Hours

Workshop Description

Summary

AutoCAD® Civil 3D® Survey operates as a separate data environment within Civil 3D, with its own separate project management and setup. This class explores in detail the organization, setup and management of the Civil 3D Survey project, including best practices for its organization and use. Critical settings within the project are reviewed, including settings related to units and coordinate systems. The class examines data import techniques for bringing field data into the project, including imports from fieldbook files, LandXML and coordinate data, and for making edits and corrections to field data already imported. The class also explores strategies for managing projects on both state plane and assumed coordinate systems, and translations and interactions between the two.

Topics and Schedule

Civil 3D Survey Project Overview

- Civil 3D Survey Concepts
- Civil 3D Survey Database and Project Organization

Civil 3D Survey Project Management and Data Import

- Survey Database Units and Critical Settings
- Survey Network Concepts and Definition
- Survey Import Events
- Import Options for Survey Data
- Viewing and Checking Survey Network Data
- Editing Concepts for Observations, Setups and Imports
- Managing Multiple Survey Databases per project

Learning Objectives

1. Participants will be able to describe strategies for organization and creation of the Civil 3D survey project and its database as demonstrated in the sample project used in the class.
2. Participants will be able to describe critical settings within the Civil 3D survey project and database related to units, coordinate systems and tolerances as demonstrated in the sample project used in the class.

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Learning Objectives (continued)

- Participants will be able to describe the process for importing field observation and coordinate data into the Civil 3D survey project and Civil 3D survey drawing as demonstrated in the sample project used in the class.
- Participants will be able to describe the process for editing and updating field observation and coordinate data in the Civil 3D survey project and Civil 3D survey drawing as demonstrated in the sample project used in the class.

AUTOCAD CIVIL 3D SURVEY PROJECT MANAGEMENT AND DATA IMPORT – ONE HOUR	
Overall Course Length	1.0 Hours
Instructional Time	1.0 HOURS
PROFESSIONAL DEVELOPMENT HOURS (PDHs)	
New York State Land Surveyors	1.0 PDHs
New York State Professional Engineers	1.0 PDHs



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5300 Wellington Branch Drive • Suite 100 • Gainesville, VA 20155 • Phone 732.869.0592 • Fax 732.377.5454

john.cooke@civiltraining.com • www.civiltraining.com

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