CivilTraining, LLC
a DAVEY company

AutoCAD Civil 3D Survey Migration for Land Desktop Users – 1.0 Hours

Workshop Description

Summary

This class serves as a primer for surveyors transitioning from AutoCAD® Land Desktop to AutoCAD® Civil 3D® Survey. The organization and operation of Civil 3D Survey is considerably different from what was in Land Desktop, and this class focuses on strategies for moving data between the products with a minimum of difficulties.

While this class touches on the topics briefly, participants should be familiar with Civil 3D organization and display of point data, as well as Civil 3D Survey project organization and setup from other classes offered. This class specifically addresses the preparation of drawings and data within Land Desktop for transfer into Civil 3D, and the export-import process utilizing ASCII files, LandXML files and direct import of Land Desktop data from within Civil 3D itself. Considerations for the migration of older project data prior to Land Desktop 2009 are addressed, as well as discussion of sending data from Civil 3D back to Land Desktop when needed. The organization of jobs and projects where both Land Desktop and Civil 3D must be used on an ongoing basis are also explored.

Topics and Schedule

AutoCAD Civil 3D Survey Migration Overview
- Civil 3D Organization and Display of Point Data
- Civil 3D Survey Project Organization and Setup

Using AutoCAD Civil 3D with Survey Data
- Preparing Drawings and Data for Transfer to Civil 3D
- Exporting and Importing Process
- Creating a Surface
- Controlling Surface Display
- Surface Editing
- Managing Civil 3D Surfaces and Data Security
- Photogrammetric Data Types for Use in Civil 3D

Learning Objectives

1. Participants will be able to describe how to create Surfaces in AutoCAD Civil 3D as illustrated using the sample survey project used in the course.

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Learning Objectives (Continued)

2. Participants will be able to describe how data types are used in Digital Terrain Modeling as illustrated using the sample survey project used in the course.
3. Participants will be able to describe techniques for the control and editing of Surfaces as illustrated using the sample survey project used in the course.
4. Participants will be able to describe techniques for the management and control of Surfaces and data security in Civil 3D as illustrated using the sample survey project used in the course.

AUTOCAD CIVIL 3D SURVEY MIGRATION FOR LAND DESKTOP USERS – 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

This course is a registered Continuing Education class with the AIA. Courses taught by CivilTraining, LLC meet continuing education/professional development requirements for Alabama, Delaware Professional Engineers, Georgia, Illinois, Kentucky, Michigan, Missouri, Nevada, New Mexico, Ohio, Pennsylvania, South Carolina, Tennessee Professional Engineers, Texas Professional Engineers, Utah, Virginia, and West Virginia. CivilTraining, LLC is an approved Florida Board of Professional Engineers Continuing Education Provider for Area of Practice courses. CivilTraining, LLC, License No. CE84, is an approved Continuing Education Provider by the Florida Board of Professional Surveyors and Mappers; this continuing education course, number 8532, is approved for 1.0 general continuing education credit. The Indiana State Board of Registration for Professional Engineers has approved this course for continuing education, and CivilTraining, LLC is an approved Land Surveyor Continuing Education Provider by the Indiana State Board of Registration for Land Surveyors Professional Licensing Agency. CivilTraining, LLC is an approved provider of Continuing Professional Competency (CPC) requirements for Maryland Professional Engineers and Land Surveyors, approved by the Maryland Boards for Professional Engineers and Land Surveyors, and is an approved provider of Continuing Professional Competency courses for New Jersey Professional Engineers by the New Jersey State Board of Professional Engineers and Land Surveyors; this course has received approval for Continuing Professional Competency for Continuing Education of Land Surveying by the New Jersey Board of Professional Engineers and Land Surveyors. CivilTraining, LLC, an approved sponsor of continuing education for Professional Engineers and Land Surveyors in New York State, NYS Sponsor #171, has received approval for the above-referenced PDHs for this course. CivilTraining, LLC is an approved sponsor for North Carolina Engineers and Land Surveyors, approved by the North Carolina Board of Examiners for Engineers and Surveyors, and this course is approved for continuing education credits for Rhode Island Professional Land Surveyors by the Rhode Island State Board of Registration for Professional Land Surveyors. The Tennessee Board of Examiners for Land Surveyors has reviewed and approved CivilTraining, LLC's training courses for continuing education.