

ATC Training: AutoCAD Civil 3D 2010 - Creating & Managing Plan Sets

Courseware Description

This courseware shows how to use AutoCAD® Civil 3D® to complete tasks associated with the creation of construction documents. The courseware guides the student through the functions of the Plan Production feature and its interaction with Autodesk® Vault and with the data-shortcut project management components of AutoCAD Civil 3D 2010. In addition, students learn how to create documents using the Sheet Set Manager. Other topics covered include sheet template creation; Match Line and Frame styles; the generation of plan and profile sheets; and alternate uses for the Plan Production feature.

The courseware examines several possible scenarios as students work through real-world examples to generate construction documents. The examples include plan and profile sheets as well as plan-only documents such as multisheet grading plans. Different annotation and linework strategies are presented and compared.

Objective

The primary objective of this courseware is to teach students the recommended workflows and basic skills needed to create and modify Plan Production design in AutoCAD Civil 3D. After completing this course, students will be able to create construction documents and work with the design process.

Who Should Attend

The target audience for this class includes experienced civil engineers and designers with a firm grasp on the fundamental features of Civil 3D and engineering principles.

Prerequisites

Before taking this course, students should have completed an *AutoCAD Civil 3D Essentials* course, or have in-depth knowledge of Civil 3D features and functionality. They should have experience with civil engineering processes and terminology. It is also recommended that students have a working knowledge of Microsoft® Windows® XP or Microsoft® Windows® 2000.

Course Code: EM0615_Civil2010CMPS
Course Duration: 1 day

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Course Outline

Working with Plan Production Objects

- Ø Alignments (Overview in Relation to the Plan Production Feature)
- Ø Frames and Frame Groups
- Ø Match Lines and Match Line Groups
- Ø Sheet Templates and Template Creation
- Ø Project Management: Vault and Data-Shortcut Interaction
- Ø Sheet Set Manager Interaction

Working with Plan Production Objects

- Ø Working with Plan Production Objects
- Ø Creating Plan Production Objects
- Ø Editing View Frames and Match Lines

Working with Sheets

- Ø Creating Sheets
- Ø Preparing for Sheet Creation
- Ø Using the Create Sheets Wizard

Finalizing Plan Sets

- Ø Working with Sheets
- Ø Customizing Sheets
- Ø Comparing Annotation Options
- Ø Managing Data
- Ø Working with Sheet Sets

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

AIT Spatial Workshops

As an alternative to the standard ATC course, we are also able to provide an AutoCAD Civil 3D 2010 Workshop covering a selection of those topics listed above. If you are interested in undertaking an AutoCAD Civil 3D 2010 Workshop, please contact us and we can discuss your bespoke requirements. You may also wish to incorporate items from two, maybe three different course outlines. We can accommodate this easily with a bespoke workshop customised to your needs.

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