



Autodesk® Civil 3D® 2007 Tutorial Series

What You Will Learn:

118 video lessons over 13 hours explore the most used tools in Civil 3D. Your instructor, Andrew Roe is a registered civil engineer and technical writer based in Minneapolis, Minnesota. He has over 20 years of experience in engineering and technical writing

Topics covered:

Getting Started With Civil 3D

This lesson provides an overview of Civil 3D
This lesson covers the Civil 3D user interface
How to find help and documentation
Introduction to the main Civil 3D objects points, alignments, profiles, surfaces
How to create Civil 3D objects
Introduction to settings in Civil 3D
More about settings
Introduction to styles in Civil 3D

Prerequisites:

None

Requirements:

DVD requires Windows XP or higher.
Internet Explorer 6.0+
Browser
Flash
DVD Drive
Pointing device

Online versions need only a high speed Internet connection, a browser and Adobe® Flash.

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Working with Points

An overview of points
Working with point settings
Creating new points
More about creating points
More about creating points
Using description keys to manage points
Using point groups to manage points
Importing points from a file
Displaying points
Editing and modifying points

Working with Alignments

An overview of alignments
Creating alignments from polylines and other entities
Creating alignments by layout
Editing alignments
Creating points along an alignment
Labeling alignments
Alignment labels and tables
Generating alignment reports

Working with Surfaces

An overview of surfaces
Creating surfaces
Adding break lines to surfaces
Surface boundaries
Displaying contours
Changing contour styles
Using surface utilities

Working with Surfaces

Working with Profiles	<ul style="list-style-type: none"> An overview of profiles Creating existing ground profiles Working with profile styles and profile views Creating proposed roadway profiles Editing proposed roadway profiles Checking profile designs vs design criteria Labeling profiles Creating quick profiles and profile reports
Working with Sections	<ul style="list-style-type: none"> Overview of sections Creating sample lines for sections Creating existing ground sections Working with section styles
Working with Assemblies and Subassemblies	<ul style="list-style-type: none"> An overview of assemblies Creating Assemblies Editing Assemblies Creating Subassemblies Managing Assemblies
Working with Corridors	<ul style="list-style-type: none"> Corridors-Overview Preparing Existing Surfaces for Corridors Creating Corridors-Part I Creating Corridors-Part II Editing Corridors Viewing Corridor Existing Cross-Sections Creating Proposed Corridor Cross-Sections Editing Corridor Cross-Sections Creating Corridor Surfaces and Renderings Calculating Corridor Earthwork Volumes Exporting Corridors
Working with Parcels	<ul style="list-style-type: none"> Creating Parcels-Part I Creating Parcels-Part II Creating Complex Parcels Labeling Parcels
Working with Grading	<ul style="list-style-type: none"> Grading-Overview Grading a Building Pad Editing a Building Pad Grading Ponds Grading Pond Exteriors Grading Roadway Intersections-I Grading Roadway Intersections-II Using Grading Utilities
Working with Labels	<ul style="list-style-type: none"> Labels-Overview Using Label Tags Labeling Alignments Labeling Parcels Labeling Profiles and Sections Using Label Sets Editing Labels
Working with Tables	<ul style="list-style-type: none"> Tables-Overview Creating Point Tables Creating Parcel Tables
Working with Tables	<ul style="list-style-type: none"> Creating Surface Tables

Renderings	Editing Tables Rendering-Overview Applying Masks Merging Surfaces-Part I Merging Surfaces-Part II Applying Lighting Adding 3D Blocks to Renderings Preparing Drive-Through Animations
Working with Pipe Networks	Pipe Networks-Overview Pipe Network Settings Creating a Pipe Network Editing a Pipe Network Adding Pipes to a Network Creating Pipe Profiles Labeling Pipe Networks Checking for Pipe Interferences-Part I Checking for Pipe Interferences-Part II Working with Pipe Part Lists
Working with Survey	Survey-Overview Working with Survey Settings Working with Survey Styles Importing Survey Data Creating Survey Networks Creating Survey Figures Working with the Survey Command Window Exporting Survey Data
Exchanging Data	Importing Land Desktop Data Working with LandXML Data Exporting AutoCAD Data
Productivity Tips	Using Layer Filters Using Dynamic Blocks