Autodesk InfraWorks & Autodesk InfraWorks 360 Fundamentals
Course Length: 3 days

Note: This guide is based on the June 2015 release of the Autodesk® InfraWorks® 360 software. There might be slight differences between the software used in this training course and other versions of the software.

The Autodesk® InfraWorks® & Autodesk® InfraWorks® 360 Fundamentals training course is designed for people using any of the following software packages:

- Autodesk® InfraWorks®
- Autodesk® InfraWorks® 360
- Autodesk® Infrastructure Design Suite Premium
- Autodesk® Infrastructure Design Suite Ultimate
- Autodesk® Building Design Suite Ultimate

The training course provides you with a fundamental knowledge of the accelerated design process that uses data-rich 3D models with high-end visualizations. This enables you to create, evaluate, and better communicate 3D site plan proposals for faster approvals.

The main topics include:

- Navigate the Autodesk InfraWorks user interface
- Create new models from scratch
- Incorporate existing data sources into the model
- Add essential design elements to the model
- Display features according to data behind the model
- Create new styles according to project requirements
- Analyze a model to ensure that project constraints are met
- Collaborate with other project team members
- Create high-impact visualizations of the project for better communication
- Generate videos by using storyboards
- Use the Roadway Design for InfraWorks 360 module to:
  - Create and modify design roads with precise parameters
  - Optimize the vertical design of a roadway
  - Create gradient maps based on selected feature sets to identify areas with low impact for site or corridor optimization (Preview)
  - Find an optimal horizontal design of the roadway which yields a cost effective and environmentally-friendly solution (Preview)
- Create AutoCAD Civil 3D plan and profile sheets from a design road
- Run traffic simulation to analyze and animate design traffic (Preview)
- Use the Bridge Design for InfraWorks 360 Module to:
  - Add bridges to a design roadway
  - Perform analysis and design checks on all the pre-stressed girders of your bridge (Preview)
- Use the Drainage Design for InfraWorks 360 Module to run a watershed analysis and create or modify culverts

**Prerequisites:**

A fundamental understanding and knowledge of civil engineering terminology.
# Table of Contents

## Chapter 1: Navigating the User Interface
- 1.1 Building Information Modeling
- 1.2 Overview of the Interface
- 1.3 Navigating the Model
- 1.4 Working with Proposals

## Chapter 2: Connecting to Data Sources
- 2.1 Geographic Information Systems Overview
- 2.2 Connect to Data Sources
- 2.3 Configure and Display Data Sources

## Chapter 3: Stylize Data Sources
- 3.1 Using Multiple Styles to Display Features
- 3.2 Overriding Style Rules
- 3.3 Create and Share Styles

## Chapter 4: Create Model Elements
- 4.1 Basic Commands
- 4.2 Create Conceptual Roads in a Model
- 4.3 Create Coverages in a Model
- 4.4 Create Pipe Networks in a Model
- 4.5 Create Railways in a Model
- 4.6 Create Water Features in a Model
- 4.7 Create Land Areas (Preview)

## Chapter 5: Add Model Details
- 5.1 Create Buildings in a Model
- 5.2 Create City Furniture in a Model
- 5.3 Add Vegetation to a Model
- 5.4 Add Miscellaneous Details to a Model

## Chapter 6: Analyzing the Model
- 6.1 Theme a Data Source
- 6.2 Line of Sight Analysis
- 6.3 Measure the Model
- 6.4 Analyze Shadows

Course description shown for Autodesk InfraWorks 2016. Topics, curriculum, and/or prerequisites may change depending on software version.
Chapter 7: Collaborating with Others
- 7.1 Share Design Elements with AutoCAD Civil 3D
- 7.2 Working with Autodesk Revit Models
- 7.3 Share Files Using the Autodesk InfraWorks 360 Service
- 7.4 Working With Scenarios

Chapter 8: Communicate the Design to Stakeholders
- 8.1 Creating Images
- 8.2 Working with Storyboards

Chapter 9: Introduction to the Roadway Design for InfraWorks 360 Module
- 9.1 Roadway Design
- 9.2 Modifying Horizontal Layouts
- 9.3 Modify Vertical Layouts
- 9.4 Working With Intersections
- 9.5 Traffic Simulation (Preview)
- 9.6 Suitability Maps (Preview)
- 9.7 Corridor Optimization (Preview)
- 9.8 Balance Cut and Fill Along the Roadway
- 9.9 Sight Distance Analysis
- 9.10 Generate Civil 3D Plan and Profile Sheets

Chapter 10: Introduction to the Bridge Design for InfraWorks 360 Module
- 10.1 Bridge Components
- 10.2 Modify Bridges
- 10.3 Bridge Line Girder Analysis (Preview)

Chapter 11: Introduction to the Drainage Design for InfraWorks 360 Module
- 11.1 Watershed Analysis
- 11.2 Create and Modify Culverts
- 11.3 Pavement Drainage

Appendix A: Example of a GIS Data Source

Appendix B: Certified BIM Specialist: Road and Highway Solution Certification Exam Objectives

Course description shown for Autodesk InfraWorks 2016. Topics, curriculum, and/or prerequisites may change depending on software version.
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