

## Autodesk InfraWorks 360 – Advanced

Autodesk InfraWorks 360 software is a conceptual design tool that helps project engineers, designers and planning professionals create, evaluate, and collaborate compelling 3D models of infrastructure project proposals for faster stakeholder approval and more confident project evaluations. With Infracworks 360 you can incorporate existing CAD, GIS, BIM, and raster data to quickly create models that more realistically depict the local environment. You can more easily evaluate multiple design alternatives in the context of the existing environment by overlaying GIS data and using infrastructure sketching and proposal management tools. And you can communicate visually rich proposals of these alternatives with interactive navigations, rendered images, and presentation videos.

### Who should attend?

This is a beginner-level course for civil engineers, planners and drafters who are presently using any type of CAD-based software, including AutoCAD, Map 3D, or Civil 3D.

### Prerequisites

Infracworks 360 Essentials course and/or solid working knowledge of Infracworks standard features. To get the most from this class, students should be comfortable using CAD software and have a working knowledge of the Microsoft Windows environment.

\*Please note an Infracworks 360 Subscription (available from your office Administrator) and an Autodesk 360 login (available here <https://360.autodesk.com/Login>) are required for this class.

### Questions?

Please call us at 800-336-3375.

### Course Outline

#### Advanced Topics

- Linking Geometry to Object Data
- Introduction to Style Rules
- Style Randomization
- Advanced Camera Tools
- Adding Captions and Annotation

#### Roadway Design

- Working with Profiles
- Working with Curve Settings
- Editing Intersections for Vehicle Types
- Working with Round-a-bouts

#### Bridge Design

- Introduction to Creating and Editing Bridges
- Working with Piers and Abutments
- Editing Bridge Properties
- Editing Bridge Styles

#### Drainage

- Creating a Drainage Area
- Creating Watersheds
- Creating Culverts and Drainage Networks
- Analyzing Flood Conditions

#### Add-ons

- Working with Technology Previews
- Overview of Land Areas and Grading
- Overview of Bridge and Girder Analysis
- Overview of Suitability Maps
- Overview of Traffic Simulation
- Overview of Corridor Optimization