

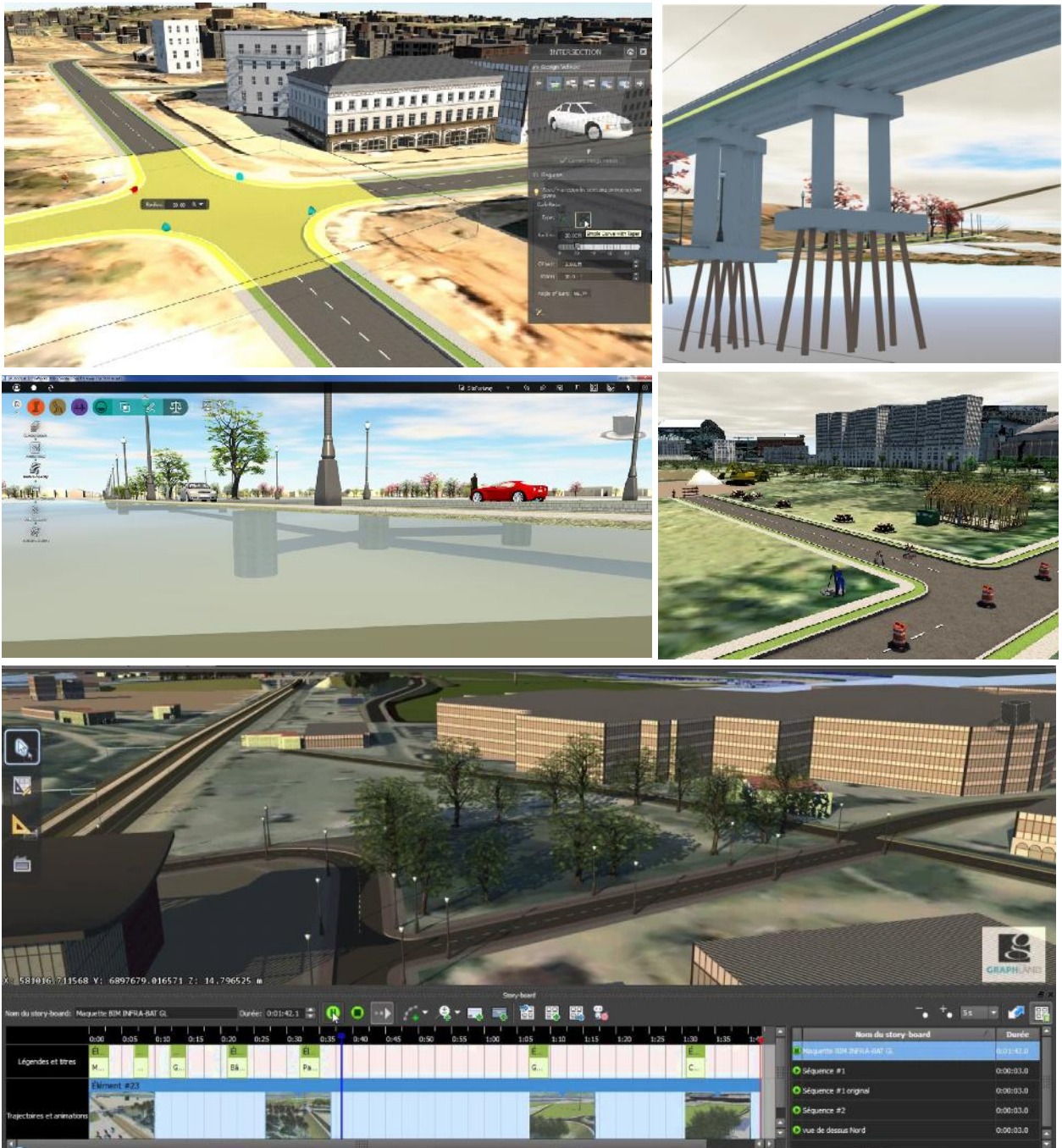
# Autodesk InfraWorks : Intensive Training Course Outline



## Course Description

Autodesk InfraWorks 360 has been well known for quick solutions to win civil infrastructure projects. Using this special Building Information Modeling (BIM) solution for civil infrastructure is almost as easy as playing video games in consoles or mobile devices. InfraWorks 360 is not a computer-aided drafting (CAD) program like AutoCAD, Revit or Civil 3D. It is 100 percent stunning and immersive 3D planning and design engine in preparing exciting and impressive proposals for your potential projects.

In this 2-day training session, you will learn the tools to explore the InfraWorks environment, generating a Base Model from various data, creating new design concepts as well as presenting your design in real-3D animations. Simple analysis tools will be covered as well such as measuring the model, analyzing terrain, applying themes, lighting and shadow, project costing and finally creating a compelling storyboard for presentations.



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## Course Outline – Day 1

### Exploring the InfraWorks Environment

- ) User Interface
- ) Navigating the model
- ) Creating and using Bookmarks

### Generating a Base Model

- ) Understanding Coordinate Systems
- ) Creating a New Model via Model Builder
- ) Importing and configuring ground imagery
- ) Importing terrain data
- ) Importing vector data

### Creating New Design

- ) Working with Proposals
- ) Modeling and editing new Roads
- ) Importing and configuring Buildings
- ) Modeling and editing new Bridges

### Adding Detail to Model

- ) Working with Point of Interest
- ) Modeling trees and water features
- ) Modeling barriers and street furniture
- ) Modeling underground services and utilities

## Course Outline – Day 2

### Presenting the Model

- ) Working with Visualisation Options
- ) 3D Graphics Settings
- ) Working with Visual Effects
- ) Working with Sun and Sky settings
- ) Creating snapshots and model rendering
- ) Applying Camera Path animations
- ) Authoring Storyboards

### Analysing the Design

- ) Generate simple profile/long-sec for proposed roads
- ) Terrain statistics and themes
- ) Analyzing Light and Shadow
- ) Generating simple project costing

### Sharing the Model via Cloud Services

- ) InfraWorks Groups
- ) Publishing and synchronizing models
- ) Sharing model/design scenarios
- ) Collaborating with AutoCAD Civil 3D

*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.*