Infraworks and Infraworks 360 Fundamentals

Brief Synopsis of Class Contents:

Autodesk InfraWorks provides 3D modeling tools for preliminary civil infrastructure design and analysis. Additional features, including Roadway and Bridge Design are available through Infraworks 360. Lessons address different types of data, terrain modeling and adding 3D models. Quickly and easily create civil infrastructure design models with Autodesk® InfraWorks™ software . Accelerate the design process, and enhance your understanding of project constraints for better decisions. Generate data-rich proposals to better predict how design alternatives may perform in the existing environment and more effectively communicate to stakeholders.

Learning Objectives:

- Navigate the Autodesk InfraWorks user interface
- Sketch layouts and create engineered roads of the proposed design in Autodesk InfraWorks.
- Incorporate existing data sources into a model…GIS, CityGML, SHP, Raster, and Point Cloud
- Create high-impact visualizations of your project to communicate the design to stakeholders
- How to streamline roadway geometry layout, intersectionsand rule-based analysis
- Work with Industry Models

Courseware:

Sybex Autodesk Infraworks and Infraworks 360 Fundamentals

Number of Days:

5 Half Day Sessions

Continuing Education Hours:

18 hours

Who Should Attend:

Architects, Engineers and Master Planners

Prerequisites:

AutoCAD fundamentals knowledge and experience.

System and Software Requirements:

http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-System-Requirements

FAQs and Cancellation Policy:

http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-FAQS

Class Outline and Topics:

Chapter or Main Topic

- Introduction to InfraWorks
- Navigatingthe User Interface
- Working with Proposals
- Connecting to Data Sources
- Creating Model Elements
- Create Roads in the Model
- Analyzing the Model
- Collaborating with Others
- Working with Autodesk Revit models
- Design Elements with AutoCAD Civil 3D
- Working with Model Builder
- Roads and Highways
- Roads and Highway Design/Analysis
- Roads and Highwa Intersections
- Roads and Highway Optimization
- Bridges Conceptual Quantities
- Drainage Design – Drainage Modeling
- Watershed Anaalysis
- Traffic Simulation
- Working with Storyboard and Rendering
- Road Analytics – Sight Distance
- Communicating your Design