



Course Profile



Introduction to GEOPAK Roadway Designer

Course Length: 2.5 days

Course description:

This class is designed for users who have completed the [MicroStation V8 Fundamentals](#) and [Plans Preparation Tools](#) training. This course introduces the user to the workflow for utilizing the GeoPak 3D model based design tools known as Roadway Designer. The workflow includes importing GeoPak data and basic template creation using the MoDOT standard template library.

Topics covered:

- **Accessing the GeoPak Corridor Modeler Application**
- **Setting Preferences and Understanding Directories and Terminology**
- **Importing GeoPak Data (Coordinate Geometry, Plan Graphics and TIN models)**
- **Roadway Designer Dialog Overview**
- **Basic Template Creation**
- **Template Point Controls & Superelevation Template Transitioning**
- **Design Changes & Alternate Surfaces**
- **Overlay Tools**
- **Cross Sections and Labeling**

Pre-requisites:

- **MicroStation Fundamentals** - Good understanding of view controls (2D & 3D), element selection tools, MicroStation attributes, fences, placing and deleting basic elements.
- **This course DOES NOT teach MicroStation drafting concepts, nor the engineering design process.**

Mastery upon course completion:

Users will be able to set up a GeoPak Roadway Designer Project, import GeoPak TIN's and geometry, plan graphics, understand smart updates, create simple templates using MoDOT's standard library, create simple corridor surfaces, and create GeoPak cross sections.



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For further information on this course contact the CADD Support Center at (573) 751-2907