

FDOT Roadway Design and 3D Modeling

Advanced Template Design Training

CE-11-0140

Description

This is a 1-day training course to include Chapters 5 of the course guide. Participants will learn basic and advanced knowledge of the Create Template dialog within Bentley GEOPAK V8i SELECT Series4 (SS4) environment for design and modeling within the FDOTSS4 workspace. Most all of the Create Template dialog capabilities are included as follows:

- Template Library Basics
- Creating New Libraries, Folders and Templates
- Current Template Window
- Template Preview Window
- Current/Active Template Tab
- Dynamic Settings
- Create /Modify/ Delete Components, Points, etc.
- Point and Component Properties
- Constraint Types/ Labels
- Horizontal Feature Constraints
- End Conditions/ Targets/ Priorities
- Display Rules
- Testing Window
- Point Name and Component Name Overrides

Objectives

- Create a New Project Template Library and Project Folders.
- Use Template Library Organizer to build Project Templates.
- Build a Resurfacing Template from Basic Components.
- Learn to Use the Variable Median PPM Templates.
- Configure Templates for Superelevation.
- Add and Test End Conditions.
- Build a Special Condition Component Sets for Displaying Walls, Guard Rails, Sidewalks, etc.
- Build a Special Condition Component Sets for Displaying Special Ditches with Variable Width and Constant Slopes.
- Adding Special Condition Component Sets to a Template.
- Practice Building Project Templates from Sample Project Typical Sections

Audience

- FDOT Roadway Designers and Engineers

Prerequisites

Participants have a basic understanding of Computer Aided Drafting and Design (CADD) using MicroStation, a basic understanding of GEOPAK concepts and a solid understanding of the engineering necessary to design a Roadway.

In addition to the above, the participant is required to complete:

FDOT Roadway Design and 3D Modeling - Basic Training.

Duration: 8 Hours

Professional Credit Hours: 8 PDHs