

InRoads Fundamentals Training Class

< TOPICS COVERED >

<p>1. Starting Up</p> <ul style="list-style-type: none"> - Selecting a CAD Platform - Starting InRoads - The InRoads Interface - Toolbars - Project Defaults - Application Add-ins - Saving InRoads Data - Bentley Embedded Help - Exiting InRoads <p>2. Settings/Styles & Symbology</p> <ul style="list-style-type: none"> - Using the Symbology Manager - Introduction to Intelligent DTMs - Style Manager - DTM Features - Style Manager - Geometry - Creating a New Geometry Style - Geometry Styles - Assigning - Preferences <p>3. Surface Essentials</p> <ul style="list-style-type: none"> - Getting Started with Surfaces - What is a DTM anyway? - DTM Basics - The Existing Surface - Introduction to the Locks - Surface Viewing - Text Import Wizard-ASCII DTM - DTM Data Viewing - Triangulation - Saving Surfaces <p>4. Horizontal Geometry</p> <ul style="list-style-type: none"> - Project Scope Orientation - The Geometry Project File - Existing Geometry Examination - Horizontal Layout Discussion - Main Road Layout - Layout Option 1 - Alignment Completion - Layout Option 2 - Layout Option 3 - Side Road Centerline Layout - Horizontal Regression 	<p>5. Profiling</p> <ul style="list-style-type: none"> - Creating Profiles - Updating the Profile Overview - Updating the Profile - Profiles Other Commands - Create Profile Settings - Create Profile General Leaf - Create Profile Source Leaf - Create Profile Controls Leaf - Create Profile Offsets Leaf - Create Profile Include Leaf - Create Profile Symbology <p>6. Vertical Geometry</p> <ul style="list-style-type: none"> - Vertical Layout Discussion - Main Road Layout - Layout -Import from DTM - Creating New Vertical Geometry - Layout - Vertical Curve Set - Layout - Vertical Element <p>7. Typical Sections</p> <ul style="list-style-type: none"> - Creating a Template Library - Opening a Template Library - Reviewing a Template Library - Viewing Templates - Styles and the Intelligent DTM - Components - Components Expanded - Template Review - Component Restraints - New Template #1 - Command Summary - New Template #2 - Additional Template Topics - Component Creation - Simple Components - Workspace Bar Shortcut - Simple Components Continued - Template Points Names - Constrained Component #1 - Unconstrained Components - Component Construction - End Conditions - Building Template #1 - Building Template #2 - Component Summary - More on Point Controls - Merging Components 	<p>8. Corridor Modeling</p> <ul style="list-style-type: none"> - Opening Earlier Data - New Roadway Design File - Saving the Roadway Design File - The Project File - Modeling Basics - The Roadway Designer - Project Scope - Adding Template Drops - End Condition Exceptions - Saving the Roadway Design File - Corridor Review - Pre-Processing the Corridor - Create Surface - Creating the Design Surface - Surface Properties - Saving the Design Surface - Viewing Roadway Features - Updating the Project File - Superelevation Basics - InRoads Superelevation - Superelevation Related Tips <p>9. Cross Sections</p> <ul style="list-style-type: none"> - Creating Cross Sections - Cross Section Viewer - Adding and Displaying New Features - Updating the Cross Sections Overview - Updating the X-Sections - X-Sections-Other Commands - Create X-Section-Settings - Create X-Sections-Source Leaf - Create X-Sections-Controls - Create X-Sections-Include Leaf - Create X-Sections-Symbology - Cross Section Layout - Custom Cross Sections
---	---	--

About the Instructor:

Dan Calistrat is a licensed professional engineer in 6 states and has been actively practicing for the past 18 years. After engineering for the land development community, Dan joined GEOPAK where he was instrumental in the development, certification, and training of Bentley civil products. After nearly a decade at GEOPAK, Dan left to implement Bentley software on some of the largest construction projects in the United States.

Dan founded DTM Solutions where he consults with all size firms to make their transition and integration to civil engineering software as seamless as possible. His vision for the firm is based on providing billable solutions to clients in need of civil engineering software training.

Dan holds a B.S. degree in Civil Engineering from Texas A&M University and is an active member of the American Society of Civil Engineers.