

Classes Currently offered by GEOPAK and VDOT

GEOPAK Road I

The Road Design class is for VDOT and consultants. It is a four and a half day class. The instruction is fast paced and will prepare you to use GEOPAK from start to finish on a roadway project.

The Training manual and data set consists of 21 chapters and labs. The following are the topics being covered:

- Introduction
- Digital Terrain Modeling
- Horizontal Alignment Tools
- Design and Computation Manager
- Vertical Alignment Generators
- Superelevation
- Port Viewer
- Cross Section Sheets
- Labeling
- D & C Manager – Quantities
- Project Manager
- Coordinate Geometry (COGO)
- Graphical COGO
- Existing Ground Profile
- Existing Ground Cross Sections
- Proposed Cross Sections
- Earthwork
- XS Reports & Limits of Construction
- Plan and Profile Sheets
- 3D Modeling

Survey

The Survey class is for VDOT and consultant surveyors. It is a two-day class. The instruction is fast paced and prepares you to translate and compile any field survey data collection into GEOPAK.

The Training manual and data set consists of 6 chapters and labs. The following are the topics being covered:

- User Preferences
- Coordinate Geometry (COGO)
- Digital Terrain Modeling
- Existing Ground Cross Sections
- Design and Computation Manager
- Existing Ground Profiles

Plans Preparation

The Plan Preparation class is for VDOT and consultants. It is a two-day class. The instruction is fast paced and prepares you for the drafting and layout of a complete set of roadway plans using GEOPAK.

The Training manual and data set consists of 11 chapters and labs. The following are the topics being covered:

Classes Currently offered by GEOPAK and VDOT

- Introduction
- Project Manager
- Coordinate Geometry (COGO)
- Graphical COGO
- Design and Computation Manager
- Cross Section Navigator & Cross Section Sheets
- Cross Section Reports & Limits of Construction
- Labeling
- Plan and Profile Sheets
- D & C Manager - Quantities
- Special Applications