Linear Referencing - Displaying Events Along a Line

Course Length: 8 hrs   *ArcGIS Version: 10.0*

Overview

This 1-day course teaches students the foundational concepts of linear referencing and their application in real world situations. Various linearly referenced datasets, such as street networks, pipeline systems and seismic lines, are introduced. Students are instructed how to create and edit routes and their measurements in an ArcMap edit session, and how to use the Linear Referencing Toolbar to effectively display and label those routes.

Audience

This course is for those who are already comfortable with the basics of ArcGIS, including editing, but wish to know how to create and use linear referencing to manage their linear GIS database.

Topics Covered

<u>Day 1</u>

- Introduction and Display of Routes (Routes and Events; Measures; Hatching)
- Complex Routes and Events (CreatingComplex Routes from Existing Features; Point and Line Event Tables; Displaying Events; Event Table Calculations)
- Route Edits and Calibration (Measure Calculations; Route Edits; Calibrations)
- Route Tools and Analysis (Linear Referencing Toolbox; Route Event Geoprocessing Wizard)

Prerequisites and Recommendations

Students should have knowledge of Microsoft Windows® and be familiar with the basic use of ArcGIS, including the topics covered in either the **Fundamentals of ArcGIS** or **ArcGIS Desktop I** classes.