

Lighthouse Land Surveying LLC

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AutoCAD Civil 3D 2014 Essentials for Land Surveying

COURSE OUTLINE

Duration – 2 days

Understanding the AutoCAD Civil 3D Environment

- Navigating the Ribbon
- The Prospector & Settings Tabs
- Object and Label Styles
- Modify Drawing Settings, Viewport Scaling, and Text Size

Project/Data Management

- Creating and customizing project folders
- Data Shortcuts and Reference Objects (sharing data)
- Understanding project functionality

Introduction to Points

- Import and Create Points
- Manage Points
- Use Grips to Control Graphical Point Display
- Create a Point Table

Introduction to Description Key Sets

- Understanding Description Keys
- Creating, editing, and applying them to points already in a drawing

Introduction to Figures

- Understanding Figures and the Figure Database
- Creating and editing Figures

Survey

- The Survey Toolspace Tab
- Survey Query Builder
- Survey User and Database Settings
- Equipment and Figure Prefix Databases
- Linework Code Sets
- Importing and Editing Field Data
- Traverse Analysis
- Transformation Tools

Introduction to Surfaces

- Create a Surface
- Modify the Surface Properties
- Adding break lines from Figures
- Adding Surface labels

