

## Model Day 2 Seminar Class Outline

**Note:** Although Earthwork Software Services **no longer conducts** the Day 2 AGTEK seminar, the Day 2 Handbook is the **textbook** that the Day 2 seminar was taught from and the latest updated edition of the Day 2 Handbook can be ordered at [www.earthworksoftwareservices.com/hbk-replace-order.aspx](http://www.earthworksoftwareservices.com/hbk-replace-order.aspx). The following outline topics draw from pages 52-142 of the Day 2 Handbook.

(Morning Class Session)

- 8:00 Sign-In and Seating
- 8:30 (Class Begins) Brief Seminar and Documentation Overview
- 8:40 Modeling with Vector Data Step-by-Step Exercise
  - New Job File Setup for PDF Data
    - Import, Scale, Vectorize First PDF Plan Sheet
    - Transfer First Plan Sheet's Vector Data
    - Translate Job File to Designer's Coordinates
    - Import, Align, Vectorize Second PDF Plan Sheet
    - Transfer Second Plan Sheet's Vector Data
- 10:00 Morning Break
- 10:15 Starting New Job File with CAD Data
  - External References & Off/Frozen Layers
  - Widely-Separated Data
  - Troubleshoot Missing Data
  - Settings & Display/Selection/Transfer Options
  - Select and Transfer Existing and Design Layers
  - Use PDF Plan Sheet to Verify CAD Data
  - Find and Correct Spiked CAD Elevations
- 12:00 Lunch Break

## Model Day 2 Seminar Class Outline (Cont.)

(Afternoon Class Session)

- 1:00      Modeling with Vector Data Step-by-Step Exercise (Cont.)
- 2D-to-3D Conversion Techniques
  - Translate Job File to State Plane Coordinates
  - Geo-Reference Job File with State Plane Coordinates
- Additional CAD Data Manipulation Examples
- Check and Adjust for Architectural Units
  - Data Prep for Auto Pad Utility
- 2:30      Afternoon Break
- 2:45      Additional CAD Data Manipulation Examples (Cont.)
- Street Model from “Conformed” Centerline
- Modeling with ASCII Text Survey Data
- Overview and Required Data Format
  - Borrow Pit Modeling & Volumes I (No Starting Topo)
  - Borrow Pit Modeling & Volumes II (Before and After Topos)
  - Quantify and Document Bid Topo Update
    - Process GPS Data with Apply Survey Utility
    - Compare Survey Topo and Bid Topo
    - Quantify and Document Changes  - Cross-Section Data Modeling Problem *[If Time Permits]*
- 4:30~5:00      Class Adjourns