

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 class was taught from and the latest updated edition of the Day 2 textbook can be ordered at www.earthworksoftwareservices.com/hbk-replace-order.aspx.*

(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 (Lunch Provided by Earthwork Software Services)

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