

Appendix F

Catalog of Day 2 Handbook Web Resources

The following list catalogs the supplemental web resources mentioned in each chapter of this *Day 2 Seminar Handbook* (with corresponding handbook page references provided). **[Tip: Save some typing and use the clickable links in the PDF copy of this Appendix (see “WebLinksD2.pdf” in Appendix C).]**

Note 1: Viewing many of the AGTEK resources linked below will require logging in with an AGTEK Support ID and Password (have them handy). **Note 2:** The AGTEK video links below were all working when this catalog was last revised (December 2023) but AGTEK occasionally changes/deletes links to older videos. If a video link returns a “404.0 – Not Found” error (or a non-responsive screen), AGTEK has likely renumbered, renamed or deleted the corresponding video (also see AGTEK’s FAQ at <https://bit.ly/3MIDQGn>). **Note 3:** At some time after mid-2024, all resource links with a www.earthworksoftwareservices.com URL may require access via the web archive site at <https://web.archive.org/web/https://www.earthworksoftwareservices.com/>.

Notices

www.earthworksoftwareservices.com/hbk-replace-order.aspx

Web Page: Order form to replace lost/outdated seminar handbooks (pages 1, 245).

Program and Vector Data Overview

www.agtek.com/hardware.html

Web Page: Hardware guidelines for AGTEK software (page 23).

www.agtek.com/video.html?id=330

AGTEK Video: Overview of differences between the Earthwork 3D and Earthwork 4D products (page 23).

www.agtek.com/video.html?id=523

AGTEK Video: Overview of the ease in working with vector PDF data (page 26).

<https://youtu.be/l6YqXtBXIEE>

YouTube Video: Combine match-line PDF plan sheets with Bluebeam's Snapshot tool (page 27).

www.takeofftips.blogspot.com/2010/07/photoshop-matchline-tutorial-for.html

Web Page: Combine match-line PDF plan sheets in Adobe® Photoshop® Elements (page 27).

www.agtek.com/video.html?id=348

AGTEK Video: Assign an identifying Point Label “tag” to a new point inserted on a PDF border reference (page 28).

www.agtek.com/video.html?id=479 [Gradework 4D]

AGTEK Video: Edit PDF border reference label with Image Selection utility dialog (pages 28, 69).

www.agtek.com/video.html?id=163

AGTEK Video: Organize Google Earth PDF folders (page 28).

www.agtek.com/video.html?id=95 [Earthwork 4D]

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets (page 29).

www.agtek.com/video.html?id=442 [Gradework 4D]

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets (page 29).

www.agtek.com/video.html?id=203 [Earthwork 4D]

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 29).

www.agtek.com/video.html?id=468 [Gradework 4D]

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 29).

www.agtek.com/video.html?id=204 [Earthwork 4D]

AGTEK Video: Import and align multiple PDF plan sheets using match lines (page 29).

www.agtek.com/video.html?id=470 [Gradework 4D]

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 29).

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Catalog of Day 2 Handbook Web Resources (Cont.)

Program and Vector Data Overview (Cont.)

www.agtek.com/video.html?id=18

AGTEK Video: Import and align two overlapping PDF plan sheets using street centerline points (pages 29, 65).

www.agtek.com/video.html?id=161

AGTEK Video: Import, scale and geo-reference overview PDF plan sheet (page 29).

www.agtek.com/video.html?id=162

AGTEK Video: Import and align multiple detail PDF plan sheets (page 29).

www.agtek.com/video.html?id=148

AGTEK Video: Import and align two overlapping PDF plan sheets (pages 29, 65).

www.agtek.com/video.html?id=149

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 29, 65).

www.agtek.com/video.html?id=424

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 29, 65).

www.agtek.com/video.html?id=255 [Gradework 4D]

AGTEK Video: Clearing Image Cache in Gradework 4D for higher-resolution drone background image update (page 31).

www.agtek.com/video.html?id=441

AGTEK Video: Earthwork 4D and Gradework 4D file compatibility (page 32).

www.earthworksoftwareservices.com/resourcesw.htm#Free_CAD_Uutilities

Web Page: Resource links to free and low-cost CAD programs, file viewers and file-conversion utilities (pages 41, 301).

Modeling with Vector Data Step-by-Step

www.earthworksoftwareservices.com/resourcefiles.htm

Web Page: Download seminar sample grading plan and data files (page 44).

www.agtek.com/video.html?id=127

AGTEK Video: Includes overview of new PDF shortcuts in AGTEK 4D when working with multiple PDF sheets (page 47).

www.agtek.com/video.html?id=380

AGTEK Video: Import, scale, extract and transfer existing and design line work from a single vector PDF plan sheet (pages 47, 48).

www.agtek.com/video.html?id=429

AGTEK Video: Setting, checking and correcting PDF plan scale in AGTEK 4D (page 50).

www.agtek.com/video.html?id=148

AGTEK Video: Import and align two overlapping PDF plan sheets (pages 29, 65).

www.agtek.com/video.html?id=149

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 29, 65).

www.agtek.com/video.html?id=424

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 29, 65).

www.agtek.com/video.html?id=420

AGTEK Video: Translate completed PDF job file to CAD coordinates (page 55).

www.agtek.com/video.html?id=138

AGTEK Video: (@ 2:32 min) Selected points alignment example (page 56).

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Modeling with Vector Data Step-by-Step (Cont.)

www.agtek.com/video.html?id=479 [Gradework 4D]

AGTEK Video: Edit PDF border reference label with Image Selection utility dialog (pages 28, 69).

<https://bit.ly/491x2r9>

Web Page: AGTEK FAQ page with some basic notes on troubleshooting DWG/DXF CAD file issues (page 73).

www.agtek.com/video.html?id=469

AGTEK Video: Map Projection Settings dialog for SPC geo-referencing method (pages 75, 128).

www.agtek.com/video.html?id=325

AGTEK Video: Two-point translation to align takeoff job file with drone topo's State Plane coordinates (pages 75, 323).

<https://youtu.be/iwCAAsRvNW4>

YouTube Video: An explanation of Grid vs. Ground measurements (page 81).

www.agtek.com/video.html?id=537

AGTEK Video: Combining generated contours with CAD TIN surface (page 85).

www.agtek.com/video.html?id=230

AGTEK Video: Import and transfer a CAD TIN layer (page 85).

www.agtek.com/video.html?id=326

AGTEK Video: Conform EP Annotation line to imported CAD TIN, also includes brief example of *Send to Highway* utility (pages 85, 185, 299).

www.agtek.com/video.html?id=506

AGTEK Video: (@ 8:30 min to 13:10 min) Conform Annotation lines to CAD TIN, delete CAD TIN then combine CAD contours and conformed break lines (pages 85, 101).

www.agtek.com/video.html?id=72

AGTEK Video: Additional LandXML import techniques (page 86).

www.agtek.com/video.html?id=73

AGTEK Video: Additional LandXML import techniques (page 86).

www.agtek.com/video.html?id=395

AGTEK Video: Good overview of options and techniques for importing and transferring CAD data (page 89).

<https://bit.ly/46V9yT1>

AGTEK Video: Tech Tip video with some useful tips for importing and transferring CAD data (page 89).

www.agtek.com/video.html?id=396

AGTEK Video: PDF-to-CAD alignment (page 90).

<https://bit.ly/47bHbAA>

AGTEK Video: AGTEK 4D's Cut/Paste function (pages 92, 237, 354).

www.agtek.com/video.html?id=486

AGTEK Video: Select spiked elevation on 3D view with Ctrl-Left click method (page 93).

www.agtek.com/video.html?id=462

AGTEK Video: Using the Find Elevation function (page 93).

www.agtek.com/video.html?id=463

AGTEK Video: Conform street line work to contours and parking lot island curb lines to surface (pages 101, 168).

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Modeling with Vector Data Step-by-Step (Cont.)

www.agtek.com/video.html?id=171

AGTEK Video: Conform TBC lines to contours, manually edit/insert end-point and intermediate grades (pages 101, 183).

www.agtek.com/video.html?id=399

AGTEK Video: (@ 2:50 min) Conform parking lot island TBC lines to surface (page 101).

www.agtek.com/video.html?id=447

AGTEK Video: (@ 4:18 min) Conform parking lot EP lines to contours and surface with edits (page 101).

www.agtek.com/video.html?id=506

AGTEK Video: (@ 11:30 min) Conform 2D CAD line work to a CAD TIN surface (pages 85, 101).

www.agtek.com/video.html?id=381

AGTEK Video: 2D-to-3D conversion methods with imported vector PDF existing surface line work (page 104).

www.agtek.com/video.html?id=397

AGTEK Video: 2D-to-3D conversion methods with imported CAD existing surface line work (page 104).

www.agtek.com/video.html?id=308

AGTEK Video: Basic example of Auto Pad utility (pages 108, 142).

www.agtek.com/video.html?id=431

AGTEK Video: Selecting and filtering data with the Label Selection utility (pages 108, 159, 358).

<https://bit.ly/47ca9Ao>

AGTEK Video: Cleanup of contours extending into a building area (page 112).

www.agtek.com/video.html?id=472

AGTEK Video: AGTEK 4D's Documentation layer (pages 118, 280).

<https://bit.ly/3YPORES>

AGTEK Video: Some useful tips for elevating curb lines for use as an Offset or Template reference (page 118).

www.agtek.com/video.html?id=280

AGTEK Video: Pre-join and join considerations (page 119).

www.agtek.com/video.html?id=481

AGTEK Video: More pre-join and join considerations (page 119).

www.agtek.com/video.html?id=382

AGTEK Video: 2D-to-3D conversion methods with imported vector PDF design surface line work (page 124).

www.agtek.com/video.html?id=398

AGTEK Video: 2D-to-3D conversion methods with imported CAD design surface line work (page 124).

www.agtek.com/video.html?id=404

AGTEK Video: Geo-referencing with job file in *State Plane Coordinates* (page 128).

www.agtek.com/video.html?id=469

AGTEK Video: *Map Projection Settings* dialog for SPC geo-referencing method (pages 75, 128).

www.earthworksoftwareservices.com/resourcesa.htm#GEPro

Web Page: Free Google Earth Pro information and download link (pages 128, 337).

<https://bit.ly/3MnIDap>

PDF: Google Earth User Guide (pages 130, 289).

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Modeling with Vector Data Step-by-Step (Cont.)

www.ngs.noaa.gov/NCAT/

Web Page: NGS Coordinate Conversion and Transformation Tool for SPC zone lookup (page 131).

www.earthsurvey.us/spcge/spcge.html

Web Page: Earth Survey's SPCS tool for SPC zone lookup in Google Earth (page 131).

www.agtek.com/video.html?id=426

AGTEK Video: Overview of two dozen useful shortcut keys (page 134).

www.agtek.com/video.html?id=224

AGTEK Video: Overview of function keys (F1 through F12) in all modes (page 134).

www.agtek.com/video.html?id=439

AGTEK Video: Overview of various snap options in Entry mode (page 134).

www.agtek.com/video.html?id=242

AGTEK Video: Overview of F8 snap functions in Edit and Entry modes (page 134).

www.agtek.com/video.html?id=223

AGTEK Video: Overview of menu shortcut keys in Edit mode (page 134).

<https://youtu.be/v4p8x5yGJhw>

YouTube Video: Good demonstration of controlling AGTEK's 3D view using keyboard shortcuts (page 134).

Additional CAD Data Manipulation Examples

www.agtek.com/video.html?id=457

AGTEK Video: (AGTEK 4D) Use Check Job Scale utility to correct job file scale (page 139).

www.agtek.com/video.html?id=308

AGTEK Video: Basic example of Auto Pad utility (pages 108, 142).

www.agtek.com/video.html?id=431

AGTEK Video: Selecting and filtering data with the Label Selection utility (pages 108, 159, 358).

www.agtek.com/video.html?id=463

AGTEK Video: Elevate multiple street lines with Conform Selected utility (pages 101, 168).

www.agtek.com/video.html?id=502

AGTEK Video: Entering street centerline elevations from PDF profile sheets (page 174).

www.agtek.com/video.html?id=74

AGTEK Video: Horizontal COGO entry for street alignment (page 174).

www.agtek.com/video.html?id=75

AGTEK Video: Vertical COGO entry for street vertical curves (page 174).

www.agtek.com/video.html?id=368

AGTEK Video: Use Apply Template utility for street with curb and gutter (page 174).

www.agtek.com/video.html?id=143

AGTEK Video: Use Apply Template utility for street with side slopes, no curb and gutter (page 174).

www.agtek.com/video.html?id=374

AGTEK Video: Use Apply Template utility for street variable side ditches, no curb and gutter (page 174).

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Additional CAD Data Manipulation Examples (Cont.)

www.agtek.com/video.html?id=504

AGTEK Video: Remove Lines Between option with Trim Lines utility (page 183).

www.agtek.com/video.html?id=116

AGTEK Video: Offset C & G lines from EP line and trim/delete contours vs. Apply Template method (page 183).

www.agtek.com/video.html?id=171

AGTEK Video: Conform to elevate TBC lines then generate TFC/GFL/EP lines with Apply Template utility (pages 101, 183).

www.agtek.com/video.html?id=326

AGTEK Video: Conform EP Annotation line to imported CAD TIN, also includes brief example of *Send to Highway* utility (pages 85, 185, 299).

Modeling with ASCII Text Survey Data

www.agtek.com/video.html?id=574

AGTEK Video: Overview of required PNEZ text survey file format, including an example of editing survey text file field columns in Excel (page 187).

www.agtek.com/video.html?id=299

AGTEK Video: Export AGTEK AGT PNEZ text file from SmartGrade RTK, import to AGTEK 4D and process data with Apply Survey utility (page 188).

www.agtek.com/video.html?id=421 [Gradework 4D]

AGTEK Video: 55-minute comprehensive webinar video covering the workflow for collecting and processing drone survey data using AGTEK's *RTK Drone Package* (page 189).

www.agtek.com/gw4dvideos.html

Web Page: (select "Processing Drone Data" topic) AGTEK drone survey data videos page (pages 189, 278).

www.agtek.com/video.html?id=304 [Earthwork 4D]

AGTEK Video: Advance this 34-minute video to the 7:10 minute mark for a data-specification letter image and import steps that *Earthwork 4D* users can use with down-sampled drone survey data (page 189).

www.agtek.com/video.html?id=579

AGTEK Video: Analyzing haul tracks with Trackwork 4D training (page 189).

www.agtek.com/video.html?id=212

AGTEK Video: Includes a demonstration of differing results with the point-connection options (page 191).

<https://youtu.be/49GXFkuZXkc>

YouTube Video: Topo data collection tutorial #1 with examples for a commercial site, a stockpile and a road (page 193).

<https://youtu.be/m56l1uGgy2c>

YouTube Video: Topo data collection tutorial #2 addresses data collection for several over-excavation examples and ends with a brief discussion on the preferred PNEZ ASCII text export format for collected topo survey data (page 193).

www.agtek.com/video.html?id=297

AGTEK Video: Demonstrates the quick pit/pile survey volume option in SmartGrade RTK (page 197).

<https://bit.ly/3A4MlJr>

PDF: Day 1 Seminar Handbook's "Shrink/Swell Adjustments" discussion (pages 210, 370). [Note: This PDF link may expire sometime after mid-2024 but the corresponding shrink/swell topic can be found on pages 215-224 of the Day 1 Seminar Handbook.]

www.agtek.com/video.html?id=430

AGTEK Video: Generating cross sections covering the entire site area (pages 211, 236, 353).

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Modeling with ASCII Text Survey Data (Cont.)

www.agtek.com/video.html?id=207

AGTEK Video: (@ 1:28 min) Covers some techniques in the *Quantify and Document Bid Topo Update* exercise (page 215).

www.agtek.com/video.html?id=236

AGTEK Video: (@ 4:50 min) Covers locating and saving a Google Earth site image (page 219).

www.agtek.com/video.html?id=430

AGTEK Video: Generating cross sections covering the entire site area (pages 211, 236, 353).

<https://bit.ly/47bHbAA>

AGTEK Video: AGTEK 4D's Cut/Paste function (pages 92, 237, 354).

Appendix A – How to Get Help, Training, and Program Updates

www.agtek.com/help/sw/earthwork4dhelp.htm

Web Page: Earthwork 4D program help files (page 243).

www.agtek.com/help/gw/gradework4dhelp.htm

Web Page: Gradework 4D program help files (page 243).

www.linkedin.com/groups/2015287/

Web Page: LinkedIn AGTEK Users Group (page 243).

www.agtek.com/traininghome.html

Web Page: Main AGTEK 4D video library page (pages 243, 245).

www.agtek.com/howto.html

Web Page: AGTEK's resources page for training and support options (page 243).

www.agtek.com/video.html?id=566

AGTEK Video: Webinar video covering all support options, including those of the new AGTEK Community site (page 243).

www.agtek.com/support.html

Web Page: AGTEK customer support home page with links to all support resources (page 243).

www.agtek.com/contactsupport.html

Web Page: Direct link to AGTEK customer support contact submission form (page 243).

support@agtek.com

Web Page: AGTEK support email page (page 244).

<https://bit.ly/3R8R0ly>

AGTEK Video: AGTEK 4D's ESZ Save As function with multiple background image attachment option (pages 244, 278).

<https://sendit.hexagon.com/filedrop/support@agtek.com>

Web Page: AGTEK's Send IT app for transferring large files to AGTEK Support, AGTEK Support login required (page 244).

www.agtek.com/video.html?id=561

AGTEK Video: (@ 2:49 min) AGTEK Access' email file-sharing utility (page 244).

www.earthworksoftwareservices.com/resourceed.htm#beginners

Web Page: Beginners' earthwork construction learning resource links (page 245).

www.earthworksoftwareservices.com/hbk-replace-order.aspx

Web Page: Order form to replace lost/outdated seminar handbooks (pages 1, 245).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix A – How to Get Help, Training, and Program Updates (Cont.)

www.earthworksoftwareservices.com/seminars.aspx

Web Page: Earthwork Software Services' seminar schedule page (page 245).

www.agtek.com/onlinetraining.html

Web Page: AGTEK web-based “hands-on” training info/signup page (page 245).

www.agtek.com/handsontesting.html

Web Page: AGTEK classroom “hands-on” training info/signup form (page 245).

www.agtek.com/seminartraining.html

Web Page: AGTEK classroom “hands-off” seminars info/signup form (page 245).

www.agtek.com/learning.html

Web Page: Links to a series of video-augmented basic AGTEK 4D training exercises with data files (page 245).

www.agtek.com/traininghome.html

Web Page: Main AGTEK 4D video library page (pages 243, 245).

<https://agtek.my.site.com/community/s/training-agtek-courses>

Web Page: New AGTEK Community training courses page for Gradework 4D and newer products, AGTEK Support login required (page 245).

<https://agtek.s3.amazonaws.com/Agtek/Bsxz8VFfoGuP>

PDF: Comprehensive, well-organized AGTEK “Training Checklist” with clickable links to training resources (videos, slideshows, documents) for all current AGTEK desktop and mobile software applications (page 245).

www.youtube.com/c/AGTEKDirtySimpleSolutions/videos

Web Page: AGTEK’s public YouTube video channel page (page 245).

www.agtek.com/video.html?id=559

AGTEK Video: Download and install AGTEK 4D program update (page 246).

www.agtek.com/software.html

Web Page: Download page for AGTEK software and PDF user manuals (page 246).

www.agtek.com/newslettersignup.html

Web Page: Signup form for AGTEK’s periodic email newsletter (page 246).

www.earthworksoftwareservices.com/resourcesw.htm#gtco [Earthwork 3D]

Web Page: GTCO digitizer resource links (page 248).

Appendix B – Keyboard Shortcuts Reference

www.agtek.com/help/gw/keyboard_shortcuts.htm

Web Page: AGTEK 4D keyboard shortcut help pages (page 249).

Appendix C – Download and Use Day 2 Seminar Training Files

www.earthworksoftwareservices.com/resourcefiles.htm

Web Page: Download Day 2 seminar training files from main website (page 271).

<https://web.archive.org/web/https://www.earthworksoftwareservices.com/resourcefiles.htm>

Web Page: Download Day 2 seminar training files from alternate web archive site (pages 271, 311).

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Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix D – Exporting AGTEK Data

www.agtek.com/video.html?id=199

AGTEK Video: (AGTEK 3D and pre-v1.20 releases of AGTEK 4D) Overview of exportable grade control files with the now-discontinued exporting menu organization (page 277).

www.agtek.com/video.html?id=528 [Gradework 4D]

AGTEK Video: (AGTEK 4D) Comprehensive overview of current machine control export options: for managing exported line work colors (@ 15:15 min), Leica (@ 22:50 min), Trimble (@ 31:50 min), Topcon (@ 36:05 min) and stringless curb machine alignments (@ 45:45 min) (page 277).

www.agtek.com/video.html?id=531 [Gradework 4D]

AGTEK Video: (@ 26:07 min) Topcon TP3 file export (combined surface/line work) for machine control (pages 277, 294).

www.agtek.com/gw4dvideos.html

Web Page: (select "Processing Drone Data" topic) AGTEK drone survey data videos (pages 189, 278).

www.agtek.com/video.html?id=19

AGTEK Video: SmartPlan mobile app geo-referencing for ADF/KMZ export (page 278).

www.agtek.com/video.html?id=22

AGTEK Video: Export ADF with plan sheets only for SmartPlan mobile app (page 278).

www.agtek.com/video.html?id=290

AGTEK Video: SmartDirt mobile app geo-referencing for ADF/KMZ export (page 278).

www.agtek.com/video.html?id=292

AGTEK Video: Export ADF file for SmartGrade RTK mobile app (page 278).

www.agtek.com/video.html?id=291

AGTEK Video: AGTEK's web-based User/File Manager (page 278).

www.agtek.com/video.html?id=528

AGTEK Video: (@ 48:31 min) Latest on exporting geo-referenced data for AGTEK Smart apps as ADF/KMZ files (page 278).

www.agtek.com/video.html?id=186

AGTEK Video: Export ESW file for discontinued PlanPilot, GradePilot and Grade Super mobile apps (page 278).

<https://bit.ly/3R8R0ly>

AGTEK Video: AGTEK 4D's ESZ Save As function with multiple background image attachment option (pages 244, 278).

www.agtek.com/video.html?id=471

AGTEK Video: Methods to reduce file size in AGTEK 4D (page 279).

www.agtek.com/video.html?id=467

AGTEK Video: Demonstrates the Transfer Subgrade utility (page 279).

www.agtek.com/video.html?id=478

AGTEK Video: Demonstrates functions of AGTEK 4D's Stake List Editor (page 280).

www.agtek.com/video.html?id=472

AGTEK Video: Demonstrates use of AGTEK 4D's Documentation layer (pages 118, 280).

www.agtek.com/video.html?id=528

AGTEK Video: (@ 15:15 min to 22:18 min) Excellent demonstration of managing/displaying export colors and the Manage Export Colors utility (pages 277, 281, 282).

www.agtek.com/video.html?id=214

AGTEK Video: Export surface data for Revit (page 285).

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Appendix D – Exporting AGTEK Data (Cont.)

www.agtek.com/video.html?id=215

AGTEK Video: Export surface data for SketchUp (page 286).

<https://bit.ly/3MnIDap>

PDF: Google Earth User Guide (pages 130, 289).

www.agtek.com/video.html?id=220

AGTEK Video: Manipulating exported AGTEK KMZ data in Google Earth (page 289).

www.agtek.com/video.html?id=174

AGTEK Video: Includes some additional manipulations of exported AGTEK KMZ data in Google Earth (page 289).

www.agtek.com/video.html?id=163

AGTEK Video: Organize Google Earth folders for multiple PDF plan sheets (page 289).

www.agtek.com/video.html?id=295

AGTEK Video: Export AGTEK AGT PNEZ text file from SmartGrade RTK (page 292).

www.agtek.com/video.html?id=299

AGTEK Video: Export AGTEK AGT PNEZ text file from SmartGrade RTK, import to AGTEK, process data (page 292).

www.agtek.com/video.html?id=528 [Gradework 4D]

AGTEK Video: (@ 22:50 min to 31:50 min) Demonstration of exporting AGTEK Surface TIN to LandXML file and line work Layer data to DXF for Leica grade control (pages 277, 293).

www.agtek.com/video.html?id=438

AGTEK Video: Export AGTEK Surface TIN and line work Layer data to one DXF file for Leica grade control (page 293).

www.agtek.com/video.html?id=443

AGTEK Video: Export AGTEK Stake List data for Leica grade control (page 293).

www.agtek.com/video.html?id=528 [Gradework 4D]

AGTEK Video: (@ 36:05 min) Export Topcon TP3 file (combined surface/line work) for machine control (pages 277, 294).

www.agtek.com/video.html?id=531 [Gradework 4D]

AGTEK Video: (@ 26:07 min) Topcon TP3 file export (combined surface/line work) for machine control (pages 277, 294).

www.agtek.com/video.html?id=465

AGTEK Video: Export Topcon TN3, LN3, CSV files (page 296).

www.agtek.com/video.html?id=565

AGTEK Video: Export Topcon TP3 (combined TN3/LN3) and CSV files (page 296).

www.agtek.com/video.html?id=80

AGTEK Video: (@ 1:42 min) Export Highway 4D LandXML file and import in Topcon 3D Office (page 296).

www.oceanservice.noaa.gov/geodesy/international-foot.html

Web Page: The difference between the US Survey Foot and the International Foot (page 296).

www.noaa.gov/stories/thinking-on-our-feet-december-31-marks-end-of-us-survey-foot

Web Page: Retiring the US Survey Foot and standardizing on the International Foot (page 296).

www.agtek.com/video.html?id=528 [AGTEK 4D]

AGTEK Video: (@ 31:50 min) Discusses exporting XML files (for surface), DXF files (for line work), including an example of reading XML/DXF files in Trimble Business Center and exporting files from TBC for Trimble's SiteWorks field app for grade control (pages 277, 298).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix D – Exporting AGTEK Data (Cont.)

www.agtek.com/video.html?id=466

AGTEK Video: Export Trimble TTM and DWG files (page 298).

www.agtek.com/video.html?id=80

AGTEK Video: (@ 2:36 min) Export Highway 4D LandXML file and import in Trimble Business Center (page 298).

www.agtek.com/video.html?id=354 [Gradework 4D]

AGTEK Video: Overview of creating and exporting LandXML stringless alignments in Gradework 4D (page 299).

www.agtek.com/video.html?id=355

AGTEK Video: Clean up and prep for stringless alignments (page 299).

www.agtek.com/video.html?id=359

AGTEK Video: More clean up and prep for stringless alignments (page 299).

www.agtek.com/video.html?id=326 [Earthwork 4D]

AGTEK Video: Earthwork 4D alternative to Gradework 4D Create Stringless Alignment utility (pages 85, 185, 299).

Appendix E – Prepping CAD Files for AGTEK

https://youtu.be/UcG1XeUf1_8

YouTube Video: Convert DWG/DXF file to older release format with DWG TrueView (page 301).

<https://autode.sk/2yHkUL1>

Web Page: Compatibility table for AutoCAD DWG/DXF file formats and AutoCAD release versions (page 301).

www.earthworksoftwareservices.com/resourcesw.htm#Free_CAD_Uutilities

Web Page: Resource links to free and low-cost CAD programs, file viewers and file-conversion utilities (pages 41, 301).

<https://youtu.be/4-L9X99yUY4>

YouTube Video: Convert DWF file to Vector PDF with Autodesk Design Review (page 301).

www.backtocad.com/print2cad-2018-manual/videos-2018-1-screen.html

Print2CAD Video: Convert PDF/DWF file to DWG with Print2CAD (page 301).

<https://youtu.be/5hd-QdjkW8k>

YouTube Video: Convert DWG/DXF file in meters (metric) to feet (imperial) with AutoCAD or AutoCAD LT (page 308).

Appendix G – Horizontal Translations

www.agtek.com/video.html?id=285

AGTEK Video: Translation adjusting drone topo data to match job file's GPS ground control point coordinates (page 323).

www.agtek.com/video.html?id=325

AGTEK Video: Two-point translation to align takeoff job file with drone topo's State Plane coordinates (pages 75, 323).

<https://bit.ly/47adrnH>

AGTEK Video: Two-stage example of moving and rotating selected data (page 324).

Appendix I – Geo-Reference Job File with Google Earth

www.agtek.com/video.html?id=418

AGTEK Video: Overview of AGTEK's SmartPlan app (page 337).

www.earthworksoftwareservices.com/resourcesa.htm#GEPro

Web Page: Free Google Earth Pro information and download link (pages 128, 337).

Appendix F Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix I – Geo-Reference Job File with Google Earth (Cont.)

www.agtek.com/video.html?id=388

AGTEK Video: Good overview of geo-referencing and KMZ export (pages 337, 339).

<https://bit.ly/3qidoG8>

Web Page: List of Google Earth keyboard shortcuts (page 338).

www.agtek.com/video.html?id=236

AGTEK Video: (@ 4:50 min) Saving Google Earth JPG image for import as AGTEK background image (page 339).

www.agtek.com/video.html?id=18

AGTEK Video: (@ 0:58 min) Placemark method for Google Earth alignment (page 339).

www.agtek.com/video.html?id=174

AGTEK Video: Ruler Tool method for Google Earth alignment (page 339).

Appendix J - Design and Drafting Tools

www.earthworksoftwareservices.com/resourcesa.htm

Web Page: Links to analytic add-ons for Google Earth and other site analysis resources (page 343).

www.agtek.com/video.html?id=430

AGTEK Video: Generating cross sections covering the entire site area (pages 211, 236, 353).

<https://bit.ly/47bHbAA>

AGTEK Video: AGTEK 4D's Cut/Paste function (pages 92, 237, 354).

www.agtek.com/video.html?id=431

AGTEK Video: Selecting and filtering data with the Label Selection utility (pages 108, 159, 358).

www.agtek.com/video.html?id=545

AGTEK Video: Line work clean up with Fillet Line utility (page 366).

<https://bit.ly/3A4Mjlr>

PDF: Day 1 Seminar Handbook's "Shrink/Swell Adjustments" discussion (pages 210, 370). *[Note: This PDF link may expire sometime after mid-2024 but the corresponding shrink/swell topic can be found on pages 215-224 of the Day 1 Seminar Handbook.]*

www.agtek.com/video.html?id=535

AGTEK Video: (@ ~17:29 min to ~37:00 min) Includes some interesting preliminary site design and balancing manipulations (page 371).

About the Author and Seminar Instructor

www.earthworksoftwareservices.com/downloads/whitepaper.pdf

PDF: Handbook author's white paper, "Digital Surface Modeling and Volumetric Analysis Techniques Applied to the Measurement of Plan-View Earthwork Quantities" (page 377). *[Note: This PDF link may break sometime after mid-2024 but the document link is active on the web archive site referenced in Note 3 on page 311.]*