

Appendix F

Catalog of Day 2 Handbook Web Resources

The following links list catalogs the supplemental web resources mentioned in each chapter of this *Day 2 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 working when this catalog was last revised (January 2, 2025) 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 **Videos FAQ** at <https://bit.ly/3MIDQGn>). **Note 3:** At some time after mid-2025, 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/>.

Title Page & Notices

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

Web Page: Order form for revised and expanded 2024 post-seminars AGTEK training handbooks (pages 1, 2, 249).

Author’s Note

www.agtek.com/video.html?id=583 [Gradework 4D]

AGTEK Video: Overview of new features in Gradework 4D v1.10 (page 2).

www.agtek.com/video.html?id=654 [Gradework 4D]

AGTEK Video: Overview of new features in Gradework 4D v1.11 (page 2).

<https://bit.ly/3So5Ps6>

Web Page: Order form for revised and expanded 2024 post-seminars AGTEK training handbooks (pages 1, 2, 249).

<https://bit.ly/4cZOHuE>

Web Page: Overview of the three-day AGTEK earthwork software seminar course and resource links (page 2).

Some Handbook Acronyms and Terminology

www.agtek.com/video.html?id=661

AGTEK Video: Beginner’s orientation to grade and surface references (page 3).

Program and Vector Data Overview

www.agtek.com/hardware.html

Web Page: Hardware guidelines for AGTEK software (page 27).

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

AGTEK Video: Overview of differences between the Earthwork 3D and Earthwork 4D products (page 27).

www.agtek.com/video.html?id=655

AGTEK Video: Overview of differences between Earthwork 4D and Gradework 4D products (page 27).

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

AGTEK Video: Overview of the ease in working with vector PDF data (page 30).

<https://youtu.be/I6YqXtBXIEE>

YouTube Video: Combine match-line PDF plan sheets with Bluebeam’s Snapshot tool (page 31).

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

Web Page: Combine match-line PDF plan sheets in Adobe® Photoshop® Elements (page 31).

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 32).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Program and Vector Data Overview (Cont.)

www.agtek.com/video.html?id=604 [Gradework 4D]

AGTEK Video: Edit PDF border reference label with Image Selection utility (pages 32, 77).

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

AGTEK Video: Organize Google Earth PDF folders (pages 32, 293).

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

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets (page 33).

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

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets (page 33).

www.agtek.com/video.html?id=640 [Gradework 4D]

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets at different scales (page 33).

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

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 33).

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

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 33).

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

AGTEK Video: Import and align multiple PDF plan sheets using match lines (page 33).

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

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 33).

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

AGTEK Video: Import and align two overlapping PDF plan sheets using street centerline points (pages 33, 351).

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

AGTEK Video: Import, scale and geo-reference overview PDF plan sheet (page 33).

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

AGTEK Video: Import and align multiple detail PDF plan sheets (page 33).

www.agtek.com/video.html?id=596

AGTEK Video: Import and align multiple PDF plan-profile sheets using a centerline point on match line and a spot elevation point as the alignment reference points (page 33).

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

AGTEK Video: Import and align two overlapping PDF plan sheets (pages 33, 73).

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

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

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

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

www.agtek.com/video.html?id=273 [Gradework 4D]

AGTEK Video: Clearing Image Cache in Gradework 4D for higher-resolution drone background image update (page 35).

<https://bit.ly/4bai6H3>

Web Page: AGTEK's Auto Save FAQ page (page 36).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Program and Vector Data Overview (Cont.)

<https://bit.ly/3xEvt4y>

Web Page: AGTEK's BAK File FAQ page (page 36).

<https://bit.ly/3YM9u6U>

Web Page: AGTEK's Auto Save and BAK File FAQ page (page 36).

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

AGTEK Video: Earthwork 4D and Gradework 4D file compatibility (page 36).

www.earthworksoftwareservices.com/resourcesw.htm#Free_CAD_Utilities

Web Page: Resource links to free and low-cost CAD programs, file viewers and file-conversion utilities (pages 45, 305).

Modeling with Vector Data Step-by-Step

www.earthworksoftwareservices.com/resourcefiles.htm

Web Page: Download seminar sample grading plan and data files (pages 52, 275).

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 55).

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 55, 56).

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

AGTEK Video: Setting, checking and correcting PDF plan scale in AGTEK 4D (page 58).

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

AGTEK Video: Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 332).

www.agtek.com/video.html?id=657 [Gradework 4D]

AGTEK Video: Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 337).

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

AGTEK Video: (@ 2:32 min) Selected points alignment example (page 64).

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

AGTEK Video: Import and align two overlapping PDF plan sheets (pages 33, 73).

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

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

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

AGTEK Video: Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

www.agtek.com/video.html?id=604 [Gradework 4D]

AGTEK Video: Edit PDF border reference label with Image Selection utility (pages 32, 77).

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

Web Page: AGTEK FAQ page with some basic notes on troubleshooting DWG/DXF CAD file issues (page 81).

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

AGTEK Video: Map Projection Settings dialog for SPC geo-referencing method (pages 83, 136).

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 83, 331).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

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

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

AGTEK Video: Using Crop Rectangle to correct a job file's zero internal north/east offsets (page 85).

<https://bit.ly/4eqAezk>

Web Page: AGTEK's Millimeters CAD File Units FAQ page (page 89).

<https://youtu.be/iwCAAsRvNW4>

YouTube Video: An explanation of Grid vs. Ground measurements (page 89).

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

AGTEK Video: Combining generated contours with CAD TIN surface (page 93).

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

AGTEK Video: Import and transfer a CAD TIN layer (page 93).

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 93, 193, 303).

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 93, 109).

www.agtek.com/video.html?id=631

AGTEK Video: Additional LandXML import techniques (page 94).

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

AGTEK Video: Additional LandXML import techniques (page 94).

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

AGTEK Video: Good overview of options and techniques for importing and transferring CAD data (page 97).

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

AGTEK Video: Tech Tip video with some useful tips for importing and transferring CAD data (page 97).

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

AGTEK Video: PDF-to-CAD alignment (page 98).

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

AGTEK Video: AGTEK 4D's Cut/Paste function (pages 100, 241, 367).

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

AGTEK Video: Select spiked elevation on 3D view with Ctrl-Left click method (page 101).

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

AGTEK Video: Using the Find Elevation function (page 101).

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

AGTEK Video: Conform selected 2D line work to 3D line work or to surface model (pages 109, 176, 380).

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

AGTEK Video: Conform TBC lines to contours, manually edit/insert end-point and intermediate grades (pages 109, 191).

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

AGTEK Video: (@ 2:50 min) Conform parking lot island TBC lines to surface (page 109).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

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

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

AGTEK Video: (@ 4:18 min) Conform parking lot EP lines to contours and surface with edits (page 109).

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

AGTEK Video: (@ 11:30 min) Conform 2D CAD line work to a CAD TIN surface (pages 93, 109).

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

AGTEK Video: 2D-to-3D conversion methods with imported vector PDF existing surface line work (page 112).

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

AGTEK Video: 2D-to-3D conversion methods with imported CAD existing surface line work (page 112).

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

AGTEK Video: Basic example of Auto Pad utility (pages 116, 150).

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

AGTEK Video: Selecting and filtering data with the Label Selection utility (pages 116, 167, 371).

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

AGTEK Video: Cleanup of contours extending into a building area (page 120).

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

AGTEK Video: AGTEK 4D's Documentation layer (pages 126, 284).

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

AGTEK Video: Some useful tips for elevating curb lines for use as an Offset or Template reference (page 126).

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

AGTEK Video: Pre-join and join considerations (pages 127, 256).

www.agtek.com/video.html?id=607

AGTEK Video: More pre-join and join considerations (pages 127, 256).

www.agtek.com/video.html?id=428

AGTEK Video: Right-click Continue function to resume/modify entry of any object's alignment (page 128).

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

AGTEK Video: 2D-to-3D conversion methods with imported vector PDF design surface line work (page 132).

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

AGTEK Video: 2D-to-3D conversion methods with imported CAD design surface line work (page 132).

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

AGTEK Video: Geo-referencing with job file in *State Plane Coordinates* (page 136).

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

AGTEK Video: *Map Projection Settings* dialog for SPC geo-referencing method (pages 83, 136).

www.earthworksoftwareservices.com/resourcesa.htm#GEPro

Web Page: Free Google Earth Pro information and download link (pages 136, 349).

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

PDF: Google Earth User Guide (pages 138, 293).

www.ngs.noaa.gov/NCAT/

Web Page: NGS *Coordinate Conversion and Transformation Tool* for SPC zone lookup (page 139).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

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

www.earthsurvey.us/spcge/spcge.html

Web Page: Earth Survey's SPCS tool for SPC zone lookup in Google Earth (page 139).

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

AGTEK Video: Overview of two dozen useful shortcut keys (page 142).

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

AGTEK Video: Overview of function keys (F1 through F12) in all modes (page 142).

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

AGTEK Video: Overview of various snap options in Entry mode (page 142).

<https://youtu.be/xRzd60zssxs>

YouTube Video: AGTEK's F7 Move Selected Point applications (pages 142, 257, 396).

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

AGTEK Video: Overview of F8 snap functions in Edit and Entry modes (page 142).

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

AGTEK Video: Overview of menu shortcut keys in Edit mode (page 142).

<https://youtu.be/v4p8x5yGJhw>

YouTube Video: Good demonstration of controlling AGTEK's 3D view using keyboard shortcuts (pages 142, 377).

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 147).

www.agtek.com/video.html?id=650

AGTEK Video: Addresses a number of units-conversion situations (pages 147, 312).

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

AGTEK Video: Basic example of Auto Pad utility (pages 116, 150).

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

AGTEK Video: Selecting and filtering data with the Label Selection utility (pages 116, 167, 371).

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

AGTEK Video: Conform selected 2D line work to 3D line work or to surface model (pages 109, 176, 380).

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" (pages 176, 419). [Note: This PDF link may break sometime after mid-2025 but the document link is active on the web archive site referenced in Note 3 on page 315.]

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

AGTEK Video: Entering street centerline elevations from PDF profile sheets (page 182).

www.agtek.com/video.html?id=621

AGTEK Video: Horizontal COGO entry for street alignment (page 182).

www.agtek.com/video.html?id=622

AGTEK Video: Vertical COGO entry for street vertical curves (page 182).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

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

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

AGTEK Video: Use Apply Template utility for street with curb and gutter (page 182).

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

AGTEK Video: Use Apply Template utility for street with side slopes, no curb and gutter (page 182).

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

AGTEK Video: Use Apply Template utility for street variable side ditches, no curb and gutter (page 182).

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

AGTEK Video: Remove Lines Between option with Trim Lines utility (page 191).

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 191).

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 109, 191).

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 93, 193, 303).

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 195).

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 (pages 196, 296).

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 197).

agtek.my.site.com/community/s/training-drone-data?tabset-27513=1

Web Page: AGTEK's Drone Data Training page for drone survey data processing videos (pages 197, 282).

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 197).

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

AGTEK Video: Analyzing haul tracks with Trackwork 4D training (page 197).

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

AGTEK Video: Includes a demonstration of differing results with the point-connection options (page 198).

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

YouTube Video: Topo data collection tutorial #1 with examples for a commercial site, a stockpile and a road (page 200).

<https://youtu.be/m5611uGgy2c>

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 200).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Modeling with ASCII Text Survey Data (Cont.)

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

AGTEK Video: Demonstrates the quick pit/pile survey volume option in SmartGrade RTK (page 204).

www.agtek.com/video.html?id=589 [Gradework 4D]

AGTEK Video: Stockpile Guide for processing stockpile/borrow pit topo data from drone/GPS/optical collection (page 204).

<https://bit.ly/3A4MJjr>

PDF: Day 1 Handbook's "Shrink/Swell Adjustments" discussion (page 216). [Note: This PDF link may expire sometime after mid-2025 but the corresponding shrink/swell topic can be found on pages 231-240 of the Day 1 Handbook.]

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

AGTEK Video: Generating cross sections covering the entire site area (pages 217, 240, 366).

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 220).

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

AGTEK Video: (@ 4:50 min) Covers locating and saving a Google Earth site image (pages 224, 351).

<https://youtu.be/KDuLlCLxavY>

YouTube Video: Generating profile views (pages 229, 293, 366).

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

AGTEK Video: Generating cross sections covering the entire site area (pages 217, 240, 366).

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

AGTEK Video: AGTEK 4D's Cut/Paste function (pages 100, 241, 367).

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

agtek.com/services-support/

Web Page: AGTEK's overview page for training and support options (page 247).

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

AGTEK Video: Webinar video including a segment covering features of the AGTEK Community support site (page 247).

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

Web Page: Earthwork 4D program help files (page 247).

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

Web Page: Gradework 4D program help files (page 247).

www.youtube.com/c/AGTEKDirtSimpleSolutions/videos

Web Page: AGTEK's public YouTube video channel with numerous Tech Tip video (pages 247, 249).

www.linkedin.com/groups/2015287/

Web Page: LinkedIn AGTEK Users Group (page 247).

agtek.my.site.com/community/s/training-self-paced

Web Page: AGTEK's main video library page for all current products (pages 247, 249).

agtek.my.site.com/community/s/

Web Page: AGTEK Community home page with links to all support resources (pages 247, 250).

agtek.my.site.com/community/s/homepage-support

Web Page: AGTEK Community home page with links to all support resources (page 247).

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

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

support@agtek.com

Web Page: AGTEK support email link (page 248).

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

AGTEK Video: AGTEK 4D's ESZ Save As function with multiple background image attachment option (pages 248, 282).

<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 248).

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

AGTEK Video: (@ 2:49 min) AGTEK Access' file-sharing utility (page 248).

www.earthworksoftwareservices.com/resourceed.htm#beginners

Web Page: Beginners' earthwork construction learning resource page (page 249).

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

Web Page: Order form for revised and expanded 2024 post-seminars AGTEK training handbooks (pages 1, 2, 249).

agtek.my.site.com/community/s/homepage-training

Web Page: AGTEK's training home page with links to all currently available training options (page 249).

agtek.com/services-support/web-training-classes/

Web Page: AGTEK web-based "hands-on" training info/signup page (page 249).

agtek.com/services-support/beginner-intermediate-training/

Web Page: AGTEK classroom "hands-on" training info/signup form (page 249).

agtek.com/services-support/intermediate-advanced-training/

Web Page: AGTEK classroom "hands-off" seminars info/signup form (page 249).

agtek.my.site.com/community/s/product-gradework?tabset-ec09d=ae123

Web Page: Three video-augmented AGTEK 4D basic training courses with corresponding data file downloads (page 249).

agtek.my.site.com/community/s/training-self-paced

Web Page: AGTEK's main video library page for all current products (pages 247, 249).

<https://agtek.s3.amazonaws.com/Agtek/Bsxx8VFfoGuP>

PDF: Well-organized AGTEK Training checklist with clickable links to training resources (videos, slideshows, documents) for all current AGTEK desktop and mobile products (page 249).

www.youtube.com/c/AGTEKDirtSimpleSolutions/videos

Web Page: AGTEK's public YouTube video channel with numerous Tech Tip videos (pages 247, 249).

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

AGTEK Video: Download and install AGTEK 4D program update (page 250).

agtek.my.site.com/community/s/

Web Page: AGTEK Community home page with links to all support resources (pages 247, 250).

agtek.my.site.com/community/s/support-downloads

Web Page: Downloads home page for AGTEK software installation files (page 250).

agtek.my.site.com/community/s/selfhelp-manuals

Web Page: Download page for AGTEK software and PDF user manuals (page 252).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

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

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

Web Page: GTCO digitizer resource links (page 252).

Appendix B – Keyboard Shortcuts Reference

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

Web Page: AGTEK 4D keyboard shortcut help pages (page 253).

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

AGTEK Video: Using Fillet Line utility (Ctrl-F) for line work clean up (pages 256, 386).

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

AGTEK Video: Using Join (Ctrl-J) for line work cleanup (pages 127, 256).

www.agtek.com/video.html?id=607

AGTEK Video: More Join (Ctrl-J) examples for line work cleanup (pages 127, 256).

<https://bit.ly/41X9Jxy> [Gradework 4D]

AGTEK Video: New shortcuts for entry/edit of Report Regions, Sectional Areas and Stripping Areas (pages 256, 262).

<https://youtu.be/xRzd60zssxs>

YouTube Video: AGTEK's F7 Move Selected Point applications (pages 142, 257, 396).

www.agtek.com/video.html?id=592 [Gradework 4D]

AGTEK Video: F11 Shrink-Wrap utility (pages 257, 375).

<https://bit.ly/3Plc660> [Gradework 4D]

AGTEK Video: New entry functions with Report Regions, Sectional Areas and Stripping Areas (page 262).

www.agtek.com/video.html?id=267

AGTEK Video: F12 Discreet Distance/Angle entry application example (page 263).

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

AGTEK Video: Another F12 Discreet Distance/Angle entry application example (pages 263, 303).

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 (pages 52, 275).

<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 275, 315).

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 281).

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 281).

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 281, 298).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix D – Exporting AGTEK Data (Cont.)

www.agtek.com/video.html?id=654 [Gradework 4D]

AGTEK Video: (@ 5:19 min) Export IFC file for surface data transfer to BIM systems (page 281).

agtek.my.site.com/community/s/training-drone-data?tabset-27513=1

Web Page: AGTEK's Drone Data Training page for drone survey data processing videos (pages 197, 282).

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

AGTEK Video: SmartPlan mobile app geo-referencing for ADF/KMZ export (page 282).

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

AGTEK Video: Export ADF with plan sheets only for SmartPlan mobile app (page 282).

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

AGTEK Video: SmartDirt mobile app geo-referencing for ADF/KMZ export (page 282).

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

AGTEK Video: Export ADF file for SmartGrade RTK mobile app (page 282).

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

AGTEK Video: AGTEK's web-based User/File Manager (page 282).

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 282).

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

AGTEK Video: Export ESW file for discontinued PlanPilot, GradePilot and Grade Super mobile apps (page 282).

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

AGTEK Video: AGTEK 4D's ESZ Save As function with multiple background image attachment option (pages 248, 282).

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

AGTEK Video: Methods to reduce file size in AGTEK 4D (page 283).

<https://bit.ly/3vL9DeT>

Web Page: AGTEK FAQ page with troubleshooting tips for 3D view not displaying when Staged Design is enabled (page 283).

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

AGTEK Video: Demonstrates the Transfer Subgrade utility (page 283).

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

AGTEK Video: Demonstrates functions of AGTEK 4D's Stake List Editor (page 284).

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

AGTEK Video: Demonstrates use of AGTEK 4D's Documentation layer (pages 126, 284).

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

AGTEK Video: (@ 15:15 min to 22:18 min) Demonstration of managing/displaying export colors with the Manage Export Colors utility, including creation of a master-colors job file (pages 281, 285).

www.agtek.com/video.html?id=587 [Gradework 4D]

AGTEK Video: (@ 33:14 min mark) Covers new Add/Rename/Reassign Manage Export Colors functions (page 285).

www.agtek.com/video.html?id=588 [Gradework 4D]

AGTEK Video: Another look at new Add/Rename/Reassign Manage Export Colors functions (page 285).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix D – Exporting AGTEK Data (Cont.)

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

AGTEK Video: Export surface data for Revit (page 289).

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

AGTEK Video: Export surface data for SketchUp (page 290).

<https://bit.ly/489uвет>

AGTEK Video: Adding 3D views to exported KMZ file in Google Earth, including use of *Print Screen* and *MS Paint* to capture and crop an AGTEK screen image (pages 292, 405).

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

PDF: Google Earth User Guide (pages 138, 293).

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

AGTEK Video: Manipulating exported AGTEK KMZ data in Google Earth (page 293).

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

AGTEK Video: Includes some additional manipulations of exported AGTEK KMZ data in Google Earth (page 293).

<https://youtu.be/KDuLlCLxavY&t=168>

YouTube Video: Good details on manipulating AGTEK KMZ profiles in Google Earth (pages 229, 293, 366).

<https://bit.ly/3yknt9b>

AGTEK Video: Combining multiple AGTEK KMZ files in Google Earth (page 293).

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

AGTEK Video: Organize Google Earth folders for multiple PDF plan sheets (pages 32, 293).

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

AGTEK Video: Export AGTEK AGT PNEZ text file from SmartGrade RTK (page 296).

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

AGTEK Video: Export AGTEK AGT PNEZ text file from SmartGrade RTK, import to AGTEK, process data (pages 196, 296).

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 281, 297).

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 297).

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

AGTEK Video: Export AGTEK Stake List data for Leica grade control (page 297).

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 281, 298).

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 281, 298).

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

AGTEK Video: Export Topcon TN3, LN3, CSV files (page 300).

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

AGTEK Video: Export Topcon TP3 (combined TN3/LN3) and CSV files (page 300).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix D – Exporting AGTEK Data (Cont.)

www.agtek.com/video.html?id=630

AGTEK Video: (@ 1:42 min) Export Highway 4D LandXML file and import in Topcon 3D Office (pages 300, 302).

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

Web Page: The difference between the US Survey Foot and the International Foot (page 300).

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 300).

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 281, 302).

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

AGTEK Video: Export Trimble TTM and DWG files (page 302).

www.agtek.com/video.html?id=630

AGTEK Video: (@ 2:36 min) Export Highway 4D LandXML file and import in Trimble Business Center (pages 300, 302).

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

AGTEK Video: Overview of creating and exporting LandXML stringless alignments in Gradework 4D (page 303).

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

AGTEK Video: (1) Clean up and prep for stringless alignments (pages 263, 303).

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

AGTEK Video: (2) More clean up and prep for stringless alignments (page 303).

<https://bit.ly/3WYo4qA>

AGTEK Video: (3) More clean up and prep for stringless alignments – gutter lip with template and conform (page 303).

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

AGTEK Video: Earthwork 4D alternative to Gradework 4D Create Stringless Alignment utility (pages 93, 193, 303).

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 305).

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

Web Page: Compatibility table for AutoCAD DWG/DXF file formats and AutoCAD release versions (page 305).

www.earthworksoftwareservices.com/resourcesw.htm#Free_CAD_Uilities

Web Page: Resource links to free and low-cost CAD programs, file viewers and file-conversion utilities (pages 45, 305).

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

YouTube Video: Convert DWF file to Vector PDF with Autodesk Design Review (page 305).

products.backtocad.com/video-print2cad-1-2/

Print2CAD Video: Convert PDF/DWF files to DWG with Print2CAD (page 305).

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

YouTube Video: Convert DWG/DXF file in meters (metric) to feet (imperial) with AutoCAD or AutoCAD LT (page 312).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix E – Prepping CAD Files for AGTEK (Cont.)

www.agtek.com/video.html?id=650

AGTEK Video: Addresses a number of units-conversion situations (pages 147, 312).

Appendix G – Horizontal Translation Exercises

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 331).

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 83, 331).

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

AGTEK Video: Two-stage example of moving and rotating selected data (page 332).

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

AGTEK Video: Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 332).

www.agtek.com/video.html?id=657 [Gradework 4D]

AGTEK Video: Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 337).

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 349).

www.earthworksoftwareservices.com/resourcesa.htm#GEPro

Web Page: Free Google Earth Pro information and download link (pages 136, 349).

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

AGTEK Video: Good overview of geo-referencing and KMZ export (pages 349, 351).

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

Web Page: List of Google Earth keyboard shortcuts (page 350).

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

AGTEK Video: (@ 4:50 min) Saving Google Earth JPG image for import as AGTEK background image (pages 224, 351).

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

AGTEK Video: (@ 0:58 min) Placemark method for Google Earth alignment (pages 33, 351).

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

AGTEK Video: Includes *Ruler Tool* method for Google Earth alignment (pages 349, 351).

Appendix J – Conceptual Modeling Exercise

www.earthworksoftwareservices.com/resourcesa.htm

Web Page: Links to analytic add-ons for Google Earth and other site analysis resources (page 355).

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

AGTEK Video: Generating cross sections covering the entire site area (pages 217, 240, 366).

<https://youtu.be/KDuLlCLxavY>

YouTube Video: Generating profile views (pages 229, 293, 366).

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

AGTEK Video: AGTEK 4D's Cut/Paste function (pages 100, 241, 367).

Appendix F

Catalog of Day 2 Handbook Web Resources (Cont.)

Appendix J – Conceptual Modeling Exercise (Cont.)

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

AGTEK Video: Selecting and filtering data with the Label Selection utility (pages 116, 167, 371).

www.agtek.com/video.html?id=592 [Gradework 4D]

AGTEK Video: F11 Shrink-Wrap utility (pages 257, 375).

<https://youtu.be/v4p8x5yGJhw>

YouTube Video: Good demonstration of controlling AGTEK's 3D view using keyboard shortcuts (pages 142, 377).

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

AGTEK Video: Conform selected 2D line work to 3D line work or to surface model (pages 109, 176, 380).

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

AGTEK Video: Line work clean up with Fillet Line utility (pages 256, 386).

<https://youtu.be/xRzd60zssxs>

YouTube Video: AGTEK's F7 Move Selected Point applications (pages 142, 257, 396).

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 404).

<https://bit.ly/3yQbDnO> [Gradework 4D]

AGTEK Video: New dialog and reporting features for Report Regions, Sectional Areas and Stripping Areas (pages 404, 410).

<https://bit.ly/489uuet>

AGTEK Video: Adding 3D views to exported KMZ file in Google Earth, including use of *Print Screen* and *MS Paint* to capture and crop an AGTEK screen image (pages 292, 405).

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" (pages 176, 419). [Note: This PDF link may break sometime after mid-2025 but the document link is active on the web archive site referenced in Note 3 on page 315.]