

## Appendix D

### Catalog of Handbook Web Resources

The following list catalogs the supplemental web resources mentioned in each chapter of this *Day 1 Seminar Handbook* (including the corresponding handbook page references). ***[Tip: Save some typing and use the clickable links in the downloadable digital copy of this Appendix (see “WebLinksD1.pdf” in Appendix C).]***

Most of these resources are training videos produced by AGTEK’s technical support staff and viewing the videos requires login with a valid AGTEK Support ID and Password. ***[Note: The video links below were all working when this catalog was last revised (March 2021) but AGTEK occasionally changes/deletes links to some of their videos. If a video link returns a “404.0 – Not Found” error (or non-responsive screen), AGTEK has probably moved (or deleted) the corresponding video.]***

#### Program Overview

[www.earthworksoftwareservices.com/resourceed.htm](http://www.earthworksoftwareservices.com/resourceed.htm)

**Web Page:** Extensive list of earthwork construction learning resource links (page 19).

[www.agtek.com/hardware.html](http://www.agtek.com/hardware.html)

**Web Page:** Hardware guidelines for AGTEK software (pages 20, 27).

[www.agtek.com/video.html?id=190](http://www.agtek.com/video.html?id=190)

**AGTEK Video:** Older AGTEK software-installation video referencing USB and Internet keys (page 20).

[www.agtek.com/video.html?id=371](http://www.agtek.com/video.html?id=371)

**AGTEK Video:** Internet Key administration, adding a new user (page 20).

[www.agtek.com/video.html?id=372](http://www.agtek.com/video.html?id=372)

**AGTEK Video:** Internet Key administration, resetting a password (page 20).

<https://agtek.s3.amazonaws.com/Agtek/n4gNNTe6WDNm>

**PDF:** Sitework 4D PDF user manual link (page 21).

<https://agtek.s3.amazonaws.com/Agtek/mp5vdrBgNMug>

**PDF:** Gradework 4D PDF user manual link (page 21).

[www.agtek.com/video.html?id=36](http://www.agtek.com/video.html?id=36)

**AGTEK Video:** Earthwork 4D software installation and use of Internet key (page 21).

[www.agtek.com/video.html?id=376](http://www.agtek.com/video.html?id=376)

**AGTEK Video:** Gradework 4D software installation (page 21).

[www.agtek.com/video.html?id=37](http://www.agtek.com/video.html?id=37)

**AGTEK Video:** Internet key user administration (page 21).

[www.agtek.com/video.html?id=291](http://www.agtek.com/video.html?id=291)

**AGTEK Video:** AGTEK’s web-based User/File Manager (page 21).

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#### Program Overview (Cont.)

<https://agtek.s3.amazonaws.com/Agtek/j5bXEJ9Cv1Ei>

**File Download:** Download AccessCheck.exe diagnostic tool to test connectivity (page 22).

[www.agtek.com/video.html?id=330](http://www.agtek.com/video.html?id=330)

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

[www.earthworksoftwareservices.com/resourcesw.htm#gtco](http://www.earthworksoftwareservices.com/resourcesw.htm#gtco)

**Web Page:** GTCO digitizer resource links (pages 30, 232).

[www.earthworksoftwareservices.com/downloads/disable.pdf](http://www.earthworksoftwareservices.com/downloads/disable.pdf)

**PDF:** Instructions for disabling/enabling GTCO TabletWorks driver (page 30).

[www.agtek.com/video.html?id=229](http://www.agtek.com/video.html?id=229)

**AGTEK Video:** Demonstration of the advantages in working with vector PDF data (page 32).

[www.takeofftips.blogspot.com/2010/07/photoshop-matchline-tutorial-for.html](http://www.takeofftips.blogspot.com/2010/07/photoshop-matchline-tutorial-for.html)

**PDF:** Combine PDF sheets on match line in Adobe® Photoshop® (page 33).

[www.agtek.com/video.html?id=348](http://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 34).

[www.agtek.com/video.html?id=163](http://www.agtek.com/video.html?id=163)

**AGTEK Video:** Organize Google Earth PDF folders (page 34).

[www.agtek.com/video.html?id=95](http://www.agtek.com/video.html?id=95)

**AGTEK Video:** Alternate alignment sequence for multiple PDF plan sheets (page 35).

[www.agtek.com/video.html?id=203](http://www.agtek.com/video.html?id=203)

**AGTEK Video:** Import and align multiple PDF plan sheets using overview PDF plan sheet (page 35).

[www.agtek.com/video.html?id=204](http://www.agtek.com/video.html?id=204)

**AGTEK Video:** Import and align multiple PDF plan sheets using match lines (page 35).

[www.agtek.com/video.html?id=148](http://www.agtek.com/video.html?id=148)

**AGTEK Video:** Import and align two overlapping PDF plan sheets using street centerline points (page 35).

[www.agtek.com/video.html?id=161](http://www.agtek.com/video.html?id=161)

**AGTEK Video:** Import, scale and geo-reference overview PDF plan sheet (page 35).

[www.agtek.com/video.html?id=162](http://www.agtek.com/video.html?id=162)

**AGTEK Video:** Import and align multiple detail PDF plan sheets (page 35).

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#### Program Overview (Cont.)

[www.agtek.com/video.html?id=255](http://www.agtek.com/video.html?id=255)

**AGTEK Video:** Clearing Image Cache in Gradework 4D for higher-resolution drone background image update (page 37).

[www.agtek.com/video.html?id=379](http://www.agtek.com/video.html?id=379)

**AGTEK Video:** Introductory tour of AGTEK's user interface and functions (page 41).

[www.agtek.com/video.html?id=38](http://www.agtek.com/video.html?id=38)

**AGTEK Video:** Pipelines layer and Apply Template for pipe trench modeling (page 43).

[www.agtek.com/video.html?id=262](http://www.agtek.com/video.html?id=262)

**AGTEK Video:** AGTEK 4D's Documentation layer (page 43, 72).

#### Earthwork Modeling Step-by-Step

[www.earthworksoftwareservices.com/resourcefiles.htm](http://www.earthworksoftwareservices.com/resourcefiles.htm)

**Web Page:** Download seminar sample grading plan and data files (page 50).

[www.agtek.com/video.html?id=127](http://www.agtek.com/video.html?id=127)

**AGTEK Video:** Includes overview of PDF shortcuts in AGTEK 4D when working with multiple PDF sheets (pages 53, 110).

[www.agtek.com/video.html?id=20](http://www.agtek.com/video.html?id=20)

**AGTEK Video:** Overview of AGTEK's SmartPlan app (page 64).

[www.earthworksoftwareservices.com/resourcesa.htm#GEPro](http://www.earthworksoftwareservices.com/resourcesa.htm#GEPro)

**Web Page:** Free Google Earth Pro information and download link (page 64).

[www.agtek.com/video.html?id=388](http://www.agtek.com/video.html?id=388)

**AGTEK Video:** Good overview of geo-referencing and KMZ export (pages 64, 66).

[www.agtek.com/video.html?id=236](http://www.agtek.com/video.html?id=236)

**AGTEK Video:** (4:50 minute mark) Saving Google Earth JPG image for import as AGTEK background image (pages 66, 269, 274).

[www.agtek.com/video.html?id=18](http://www.agtek.com/video.html?id=18)

**AGTEK Video:** (0:58 minute mark) Placemark method for Google Earth alignment (page 66).

[www.agtek.com/video.html?id=388](http://www.agtek.com/video.html?id=388)

**AGTEK Video:** Ruler Tool method for Google Earth alignment (pages 64, 66).

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#### Earthwork Modeling Step-by-Step (Cont.)

<https://bit.ly/2YUePuw>

**PDF:** Google Earth User Guide (page 71, 282).

[www.agtek.com/video.html?id=262](http://www.agtek.com/video.html?id=262)

**AGTEK Video:** AGTEK 4D's Documentation layer (page 72).

[www.agtek.com/video.html?id=225](http://www.agtek.com/video.html?id=225)

**AGTEK Video:** Entry-mode Snap options (page 75).

[www.agtek.com/video.html?id=216](http://www.agtek.com/video.html?id=216)

**AGTEK Video:** Using the Find Elevation function (page 88).

[www.earthworksoftwareservices.com/downloads/whitepaper.pdf](http://www.earthworksoftwareservices.com/downloads/whitepaper.pdf)

**PDF:** White paper on digital surface modeling theory and methods, including grids, TINs, and the importance of break lines (pages 91, 207).

[www.agtek.com/video.html?id=138](http://www.agtek.com/video.html?id=138)

**AGTEK Video:** (2:32 minute mark) Selected Points alignment example (page 108).

[www.agtek.com/video.html?id=127](http://www.agtek.com/video.html?id=127)

**AGTEK Video:** Includes overview of PDF shortcuts in AGTEK 4D when working with multiple PDF sheets (pages 53, 110).

[www.agtek.com/video.html?id=123](http://www.agtek.com/video.html?id=123)

**AGTEK Video:** (3:30 minute mark) New options with Continue function (page 125).

[www.earthworksoftwareservices.com/downloads/Approach1.pdf](http://www.earthworksoftwareservices.com/downloads/Approach1.pdf)

**PDF:** Step-by-step instructions documenting "Approach 1" offset method for street (page 138).

[www.agtek.com/video.html?id=145](http://www.agtek.com/video.html?id=145)

**AGTEK Video:** Use Apply Template utility for street subgrade model (page 145).

[www.agtek.com/video.html?id=368](http://www.agtek.com/video.html?id=368)

**AGTEK Video:** Use Apply Template utility for street with curb and gutter (page 146).

[www.agtek.com/video.html?id=143](http://www.agtek.com/video.html?id=143)

**AGTEK Video:** Use Apply Template utility for street with side slopes, no curb and gutter (page 146).

[www.agtek.com/video.html?id=374](http://www.agtek.com/video.html?id=374)

**AGTEK Video:** Use Apply Template utility for street variable side ditches, no curb and gutter (page 146).

[www.agtek.com/video.html?id=267](http://www.agtek.com/video.html?id=267)

**AGTEK Video:** Relative angle/distance entries (page 149).

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#### Earthwork Modeling Step-by-Step (Cont.)

[www.agtek.com/video.html?id=208](http://www.agtek.com/video.html?id=208)

**AGTEK Video:** Single-sheet PDF profile digitizing example (pages 149, 298).

[www.agtek.com/video.html?id=147](http://www.agtek.com/video.html?id=147)

**AGTEK Video:** Two-sheet PDF profile digitizing example (pages 149, 298).

[www.agtek.com/video.html?id=232](http://www.agtek.com/video.html?id=232)

**AGTEK Video:** Two-sheet PDF profile digitizing example with metric scale (pages 149, 298).

[www.agtek.com/video.html?id=127](http://www.agtek.com/video.html?id=127)

**AGTEK Video:** (2:02 minute mark) Some additional PDF profile digitizing features in AGTEK 4D (pages 149, 298).

[www.agtek.com/video.html?id=235](http://www.agtek.com/video.html?id=235)

**AGTEK Video:** Surface adjustments with Stripping Areas and Sectional Areas (page 161).

[www.agtek.com/video.html?id=257](http://www.agtek.com/video.html?id=257)

**AGTEK Video:** (9:26 minute mark) Applying Gradework-Materials Structures as Sectional Areas and Report Regions (page 161).

[www.agtek.com/video.html?id=317](http://www.agtek.com/video.html?id=317)

**AGTEK Video:** Adjusting Highway 3D/4D alignment cross-section surfaces with Stripping Areas and Sectional Areas (page 161).

[www.agtek.com/video.html?id=64](http://www.agtek.com/video.html?id=64)

**AGTEK Video:** Adjusting Highway 3D/4D alignment cross-section surfaces with Stripping Areas and Sectional Areas (page 161).

[www.agtek.com/video.html?id=46](http://www.agtek.com/video.html?id=46)

**AGTEK Video:** Structure assignment and Holes in Materials 4D (page 180).

[www.agtek.com/video.html?id=259](http://www.agtek.com/video.html?id=259)

**AGTEK Video:** Structure assignment and Holes in Gradework-Materials (page 180).

[www.agtek.com/video.html?id=217](http://www.agtek.com/video.html?id=217)

**AGTEK Video:** Creating cross-sections for mass haul analysis when a highway project has been initially modeled as a site-type project (page 197).

[www.agtek.com/video.html?id=81](http://www.agtek.com/video.html?id=81)

**AGTEK Video:** Multiple cross-section printing option in Highway 4D (page 197).

[www.earthworksoftwareservices.com/resourcegps.htm#AGPS](http://www.earthworksoftwareservices.com/resourcegps.htm#AGPS)

**Web Page:** GPS resource page with links for autonomous GPS site inspections (page 203).

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#### Earthwork Modeling Step-by-Step (Cont.)

[www.earthworksoftwareservices.com/resourcesw.htm#video](http://www.earthworksoftwareservices.com/resourcesw.htm#video)

**Web Page:** Video screen capture utility links for recording AGTEK drive-through simulations to AVI file (page 203).

[www.earthworksoftwareservices.com/downloads/whitepaper.pdf](http://www.earthworksoftwareservices.com/downloads/whitepaper.pdf)

**PDF:** White paper on digital surface modeling theory and methods, including grids, TINs, and the importance of break lines (pages 91, 207).

[www.agtek.com/video.html?id=35](http://www.agtek.com/video.html?id=35)

**AGTEK Video:** Overview of Trackwork 4D for haul planning (page 218).

[www.earthworksoftwareservices.com/downloads/Spahn.pdf](http://www.earthworksoftwareservices.com/downloads/Spahn.pdf)

**Web Page:** “Veteran Lessons on Machine Control” article (page 219).

[ftp.dot.state.oh.us/pub/Innovative%20Delivery/Portsmouth/Final\\_RFP/Current\\_All\\_Ref\\_Info/GE-Geotechnical/GE-65%20Phase%201%20and%203%20-%20Technical%20Memo%20-%20Earthwork%20Factors.pdf](ftp.dot.state.oh.us/pub/Innovative%20Delivery/Portsmouth/Final_RFP/Current_All_Ref_Info/GE-Geotechnical/GE-65%20Phase%201%20and%203%20-%20Technical%20Memo%20-%20Earthwork%20Factors.pdf)

**PDF:** “Portsmouth Bypass Phase 1 Earthwork Factors” technical memo (page 219).

[www.pdgonline.org/courses/g106/g106.htm](http://www.pdgonline.org/courses/g106/g106.htm)

**Web Page:** “Understanding the Geotechnical Report as an Engineering and Construction Reference” (page 220).

[www.scribd.com/document/352797986/White-Et-Al-2010-CAT-CFED-Phase-IV](http://www.scribd.com/document/352797986/White-Et-Al-2010-CAT-CFED-Phase-IV)

**PDF:** “Earthwork Volumetric Calculations and Characterization of Additional CFED Soils - CFED Phase IV” (page 220).

[www.agtek.com/video.html?id=238](http://www.agtek.com/video.html?id=238)

**AGTEK Video:** Using the Length/Area utility (page 225).

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

[www.linkedin.com/groups/2015287/](http://www.linkedin.com/groups/2015287/)

**Web Page:** LinkedIn AGTEK Users Group (page 227).

[www.agtek.com/traininghome.html](http://www.agtek.com/traininghome.html)

**Web Page:** Main AGTEK 4D video library page (pages 227, 229).

[www.agtek.com/support.html](http://www.agtek.com/support.html)

**Web Page:** AGTEK customer support home page (pages 227, 230).

[support@agtek.com](mailto:support@agtek.com)

**Web Page:** AGTEK support email page (page 228).

## Appendix D

### Catalog of Handbook Web Resources (Cont.)

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

[www.agtek.com/video.html?id=291](http://www.agtek.com/video.html?id=291)

**AGTEK Video:** (3:28 minute mark) AGTEK Access' email file-sharing utility (page 228).

[www.earthworksoftwareservices.com/resourceed.htm#beginners](http://www.earthworksoftwareservices.com/resourceed.htm#beginners)

**Web Page:** Beginners' earthwork construction learning resource links (page 229).

[www.agtek.com/onlinetraining.html](http://www.agtek.com/onlinetraining.html)

**Web Page:** AGTEK live web training info/signup page (page 229).

[www.agtek.com/training.html](http://www.agtek.com/training.html)

**Web Page:** AGTEK seasonal hands-on classroom training info/signup form (page 229).

[www.agtek.com/learning.html](http://www.agtek.com/learning.html)

**Web Page:** Links to a series of good video-augmented basic AGTEK 4D training exercises, including corresponding data files (page 229).

[www.agtek.com/traininghome.html](http://www.agtek.com/traininghome.html)

**Web Page:** Main AGTEK 4D video library page (pages 227, 229).

<https://agtek.s3.amazonaws.com/Agtek/MGS0FdVAqeyA>

**PDF:** Links to a series of good video-augmented basic Earthwork 3D training exercises, including corresponding data files (page 229).

[www.agtek.com/trainingew.html](http://www.agtek.com/trainingew.html)

**Web Page:** Main Earthwork 3D video library page (page 229).

[www.agtek.com/trainingsm.html](http://www.agtek.com/trainingsm.html)

**Web Page:** Main SiteModel 3D video library page (page 229).

[www.agtek.com/traininggm.html](http://www.agtek.com/traininggm.html)

**Web Page:** Main GradeModel 3D video library page (page 229).

[www.agtek.com/traininghw.html](http://www.agtek.com/traininghw.html)

**Web Page:** Main Highway 3D video library page (page 229).

[www.agtek.com/trainingmk.html](http://www.agtek.com/trainingmk.html)

**Web Page:** Main Materials 3D/Underground 3D video library page (page 229).

[www.agtek.com/newslettersignup.html](http://www.agtek.com/newslettersignup.html)

**Web Page:** Signup form for AGTEK's periodic email newsletter (page 230).

[www.earthworksoftwareservices.com/resourcesw.htm#gtco](http://www.earthworksoftwareservices.com/resourcesw.htm#gtco)

**Web Page:** GTCO digitizer resource links (pages 30, 232).



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### Catalog of Handbook Web Resources (Cont.)

#### Appendix C – Download and Use Seminar Training Files

[www.earthworksoftwareservices.com/resourcefiles.htm](http://www.earthworksoftwareservices.com/resourcefiles.htm)

**Web Page:** Download seminar sample grading plan and data files (page 255).

#### Appendix E – Formatting and Printing Documentation

[www.agtek.com/video.html?id=387](http://www.agtek.com/video.html?id=387)

**AGTEK Video:** Comprehensive Print Page functions overview (page 269).

[www.agtek.com/video.html?id=236](http://www.agtek.com/video.html?id=236)

**AGTEK Video:** Older comprehensive Print Page functions overview with some interesting additional details (pages 66, 269, 274).

[www.agtek.com/printers.asp](http://www.agtek.com/printers.asp)

**Web Page:** AGTEK's Printer Compatibility list (page 269).

[www.agtek.com/video.html?id=236](http://www.agtek.com/video.html?id=236)

**AGTEK Video:** (4:50 minute mark) Saving Google Earth JPG image and importing JPG to AGTEK Print Page (pages 66, 269, 274).

[www.bullzip.com](http://www.bullzip.com)

**Web Page:** Free third-party print-to-PDF application (page 279).

[www.biopdf.com](http://www.biopdf.com)

**Web Page:** Free third-party print-to-PDF application (page 279).

[www.earthworksoftwareservices.com/resourcesw.htm#vrml](http://www.earthworksoftwareservices.com/resourcesw.htm#vrml)

**Web Page:** Info and links on exporting surface to a VRML (Virtual Reality Markup Language) file (page 279).

<https://bit.ly/2YUePuw>

**PDF:** Google Earth User Guide (page 71, 282).

[www.agtek.com/video.html?id=220](http://www.agtek.com/video.html?id=220)

**AGTEK Video:** Manipulating exported AGTEK KMZ data in Google Earth (page 282).

[www.agtek.com/video.html?id=174](http://www.agtek.com/video.html?id=174)

**AGTEK Video:** Includes some additional manipulations of exported AGTEK KMZ data in Google Earth (page 282).

[www.agtek.com/video.html?id=163](http://www.agtek.com/video.html?id=163)

**AGTEK Video:** Organize Google Earth folders for multiple PDF plan sheets (page 282).



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#### Appendix G – Digitizing from Multiple Paper Plan Sheets

[www.agtek.com/video.html?id=203](http://www.agtek.com/video.html?id=203)

**AGTEK Video:** Import and align multiple PDF plan sheets using overview PDF plan sheet (page 294).

#### Appendix H – Digitizing from Paper Profile Sheets

[www.agtek.com/video.html?id=208](http://www.agtek.com/video.html?id=208)

**AGTEK Video:** Single-sheet PDF profile digitizing example (pages 149, 298).

[www.agtek.com/video.html?id=147](http://www.agtek.com/video.html?id=147)

**AGTEK Video:** Two-sheet PDF profile digitizing example (pages 149, 298).

[www.agtek.com/video.html?id=232](http://www.agtek.com/video.html?id=232)

**AGTEK Video:** Two-sheet PDF profile digitizing example with metric scale (pages 149, 298).

[www.agtek.com/video.html?id=127](http://www.agtek.com/video.html?id=127)

**AGTEK Video:** (2:02 minute mark) Some additional PDF profile digitizing features in AGTEK 4D (pages 149, 298).

#### Appendix J – Design and Drafting Tools

[www.earthworksoftwareservices.com/resourcesa.htm](http://www.earthworksoftwareservices.com/resourcesa.htm)

**Web Page:** Links to analytic add-ons for Google Earth and other site analysis resources (page 319).