Fast Track to Carlson Takeoff: Session #1-2

A Virtual Classroom Using Carlson Takeoff – Learn Material Quantity Reporting

This webinar session from *That CAD Girl's Fast Track Carlson Takeoff* series demonstrates advanced takeoff and modeling workflows in Carlson Takeoff Suite and Carlson Civil. It covers material quantity reporting, topsoil removal and replacement, surface inspection, XML export for machine control and 2D-to-3D polyline elevation techniques.

Key Topics:

- Material quantity and volume reporting in Carlson Takeoff
- Topsoil removal/replacement setup and surface logic
- Surface Inspector and surface file management (EX, FG, SG)
- Exporting surfaces to LandXML, TIN and Topcon formats
- Cut/fill color maps, quick profiles and 3D drive simulatio ns
- Elevate / 3D Data tools for converting 2D to 3D polylines

Descriptions, transcripts and other details of this recording ha ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 01/23/2024.

Fast Track to Carlson Takeoff: Session #1-1

A Virtual Classroom Using Carlson Takeoff – Learn the Layer Target Materials Workflow

This introductory FastTrack Carlson Takeoff training session explains the structure of the six-part course, the GoToWebinar controls and the differences among Carlson Takeoff Suite, Construction, Civil, CAD Net, Trench and GeoTech. Participants learn how to prepare clean working drawings, organize layers and build surfaces for quantity takeoffs and earthwork modeling.

Key Topics:

· Overview of Carlson Takeoff Suite modules and platform op tions

· GoToWebinar controls and class format

· File and layer organization for takeoff projects

· Using IntelliCAD vs. embedded AutoCAD versions

· Creating and cleaning working drawings for quantity takeo ffs

· Defining layers, materials and subgrades for surfaces

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ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 01/23/2024.

Designing in Steep Terrain with Carlson Civil

A Virtual Webinar Using Carlson Software – Learn to Design Steep Terrain Roads

This webinar, *Designing in Steep Terrain with Carlson Civil*, presented by Travis Maxwell, explores practical techniques for designing roads and grading projects on steep slopes using Carlson Civil's RoadNET tools. It covers terrain modeling, template setup, drainage considerations and workflow optimizations for mountainous or hilly environments.

Key Topics:

- Road design strategies for steep terrain
- Carlson Civil RoadNET templates and transitions
- Surface modeling and grid optimization
- Drainage and erosion control on steep slopes
- Practical grading and construction considerations

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ve been AI-generated and may contain errors.

This session was presented by Travis Maxwell on 01/29/2024.

Deeds of Lots and Lots of Lots in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Manage Property Deeds

This webinar demonstrates how to create, edit and manage property deeds and lot layouts using Carlson Survey and Carlson Civil. It covers deed entry, correlation with field data, legal description generation and automated lot design through the Lot Network module.

Key Topics:

- Entering and processing deed descriptions
- Deed correlation with surveyed points
- Creating and labeling lot files
- Using Lot Network for automated subdivision design

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This session was presented by Jennifer DiBona on 06/11/2024.

Creating Slope Maps for Residential Developments

A Virtual Webinar Using Carlson Software – Learn to Create Slope Maps

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, demonstrates how to create slope maps for residential development using Carlson Software. The session covers both TIN and grid-based methods, data preparation and troubleshooting large terrain datasets for planning and subdivision design.

Key Topics:

- Creating slope maps in Carlson Software
- Comparing TIN vs. grid methods
- Managing large terrain datasets and point clouds
- Using Google Earth and DEM data imports
- Applying slope analysis and color zoning

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This session was presented by Travis Maxwell on 09/12/2024.

Carlson Field to Finish – Perfecting Coding & Creating Linework

A Virtual Webinar Using Carlson Software – Learn to Create Automated Linework

This advanced Carlson Field to Finish webinar, hosted by That CAD Girl, guides users through coding best practices, FLD file creation and efficient linework generation in Carlson Survey. Jennifer DiBona demonstrates how to streamline field-to-office workflows, manage field codes and apply special codes for automated drafting.

Key Topics:

- Building and refining Carlson FLD (Field Code) files
- Managing field codes, layers and symbols
- Using special codes for linework automation (e.g., PC/PT, CLO, RECT, JPN)
- Handling multiple codes, offsets and curve geometry
- Workflow tips for consistency between field and office

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This session was presented by Jennifer DiBona on 09/10/2024.

Basics of Surface Modeling in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Build Surface Models from Points and Breaklines

This webinar introduces the fundamentals of surface modeling in Carlson Software, covering how to prepare data, build and refine surfaces and troubleshoot common issues. Participants learn practical workflows for triangulation, contour generation, breaklines and integrating external elevation data.

Key Topics:

- Preparing data and checking elevations before surface creation
- Triangulate & Contour workflow and shrink-wrap boundaries
- Using breaklines, non-surface points and field-to-finish automation
- Importing and merging Google Earth and NASA elevation

surfaces
- Contour labeling, line-type generation and quality-control techniques

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This session was presented by Jennifer DiBona on 02/07/2024.

Basics of Road Design in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Roads

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a step-by-step introduction to road design using Carlson Software. It covers essential workflows including drawing setup, creating centerlines, profiles, templates, intersections and cul-de-sacs for civil design projects.

Key Topics:

- Carlson drawing setup and coordinate systems
- Creating and managing road centerlines and profiles
- Building and editing templates for pavement, curbs and grading
- Handling intersections and cul-de-sacs

- Using Google surfaces for preliminary design

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This session was presented by Travis Maxwell on 03/15/2024.

Tips & Tricks To Recover Corrupt Drawings In CAD With That CAD Girl

A Virtual Webinar Using IntelliCAD and AutoCAD – Learn to Recover Corrupt Drawings

This webinar by That CAD Girl demonstrates practical methods to identify, repair and recover corrupt CAD drawings using IntelliCAD and AutoCAD. It covers essential commands, workflows and free tools like DWG TrueView to maintain drawing integrity and prevent data loss.

Key Topics:

- Identifying non-corrupt vs. corrupt DWG files
- Using Purge, Audit, Recover and WBlock commands

- Handling Xrefs and layout recovery
- DWG TrueView and DWG Convert utilities
- IntelliCAD vs. AutoCAD recovery differences

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This session was presented by Jennifer DiBona on 06/12/2025.

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Improve CAD Workflows

This Carlson Software Tips & Tricks webinar, led by Travis Maxwell and hosted by That CAD Girl, demonstrated practical CAD file cleanup, drawing management and grading workflows within Carlson Civil and Survey. The session also showcased how AI tools can accelerate deed entry and coordinate generation for survey projects.

Key Topics:

- Cleaning and standardizing CAD drawings
- Managing layers, text styles and blocks

- Handling corrupt or messy manufacturer details
- Grading and retaining wall design techniques
- Using AI (ChatGPT) for deed parsing and coordinate creation

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This session was presented by Travis Maxwell on 02/11/2025.