Fast Track to Carlson Takeoff – Session #2-1 Recorded 1/25/2024

This session is the second day of the FastTrack Carlson Takeoff training series led by That CAD Girl. It covers advanced CAD cle anup, elevation management, geotechnical data entry, and coordin ate alignment workflows in Carlson Takeoff.

Key Topics:

- Drawing cleanup and layer management
- Elevation correction and contour preparation
- Handling PDF imports and block cleanup
- Converting spot elevations to Carlson points
- Translating and aligning coordinates
- Introduction to Geotech and Trench modules

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 1/25/2024.

Fast Track to Carlson Takeoff – Session #1-3

Recorded 1/23/2024

This FastTrack Carlson Takeoff training session focuses on creating, cleaning, and preparing a working drawing for takeoffs and surface modeling using Carlson Software. The instructor demonstrates best practices for managing CAD data, cleaning imported files, handling Civil 3D and LandXML data, and preparing accurate 3D models for construction and machine control.

Key Topics:

- Creating and managing a “working drawing” in Carlson
- Cleaning and importing CAD and Civil 3D data
- Using Drawing Cleanup and Layer Inspector
- Managing Xrefs, layouts, and scaling
- Elevating polylines and preparing 3D models

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This session was presented by Jennifer DiBona on 1/23/2024.

Fast Track to Carlson Takeoff, Session #1-2
Recorded 1/23/2024

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 ins

pection, 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 simulations
- Elevate / 3D Data tools for converting 2D to 3D polylines

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This session was presented by Jennifer DiBona on 1/23/2024.

Fast Track to Carlson Takeoff, Session #1-1 Recorded 1/23/2024

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 options

· 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 takeoffs

· Defining layers, materials, and subgrades for surfaces

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This session was presented by Jennifer DiBona on 1/23/2024.

Designing in Steep Terrain with Carlson Civil Recorded 1/29/2024

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

Deeds of Lots and Lots of Lots in Carlson Software Recorded 6/11/2024

This webinar demonstrates how to create, edit, and manage proper ty deeds and lot layouts using Carlson Survey and Carlson Civil. It covers deed entry, correlation with field data, legal descri ption generation, and automated lot design through the Lot Netwo rk 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 Recorded 9/12/2024

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
Recorded 9/10/2024

This advanced Carlson Field to Finish webinar, hosted by That CA D Girl, guides users through coding best practices, FLD file cre ation, and efficient linework generation in Carlson Survey. Jenn ifer DiBona demonstrates how to streamline field-to-office workflows, manage field codes, and apply special codes fo r 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 Recorded 2/7/2024

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 pr actical workflows for triangulation, contour generation, breakli nes, and integrating external elevation data.

Key Topics:

- Preparing data and checking elevations before surface crea tion
- 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 surf aces
- Contour labeling, line-type generation, and quality-contro l techniques

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 02/07/2024.

Basics of Road Design in Carlson Software Recorded 3/15/2024

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

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

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