Tips & Tricks in Carlson Software

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

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, covered advanced tips and tricks for Carlson Software users. Topics included Field-to-Finish setup, annotative text management, custom toolbars and LotNet subdivision workflows to improve drafting and design efficiency.

Key Topics:

- Field-to-Finish setup using spreadsheets
- Annotative text and scaling best practices
- Custom toolbar and LISP automation
- Text formatting cleanup and overrides
- LotNet for subdivision and lot numbering

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

This session was presented by Travis Maxwell on 04/25/2024.

Tips & Tricks in CAD and Carlson Software

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

This webinar, hosted by That CAD Girl, provided an in-depth look at practical tips and tricks for using CAD and Carlson Software effectively. Topics included line types, polylines, wipeouts, text masks, symbol libraries and 3D polyline utilities for improved drafting and design workflows.

Key Topics:

- Creating and customizing line types in CAD and Carlson
- Using wipeouts and text masks for clean annotations
- Managing and importing symbol libraries
- Advanced polyline and 3D modeling techniques
- Offsetting and daylighting with 3D polylines

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This session was presented by Jennifer DiBona on 03/20/2024.

The Ultimate Drawing Template

A Virtual Webinar Using CAD – Learn to Build the Ultimate Drawing Template

This webinar, led by Travis Maxwell and hosted by That CAD Girl, provides a comprehensive walkthrough of creating, cleaning and optimizing CAD drawing templates in Carlson Software. It covers best practices for fields, attributes, layers, fonts and scaling to ensure consistency and efficiency across projects.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Building and maintaining CAD drawing templates
- Using fields and block attributes for automation
- Managing fonts, layers and line types
- Cleaning drawings with purge commands
- Implementing National CAD Standards

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This session was presented by Travis Maxwell on 08/08/2024.

Understanding Changes to Projections and Zones in Carlson 2024

A Virtual Webinar Using Carlson Software – Learn to Manage Projection Zones

This webinar, hosted by That CAD Girl and presented by Carlson Software's Doug Aaberg, explains the updates to projection and zone settings introduced in Carlson 2024. It clarifies the purpose of new projection options and how surveyors should manage grid-to-ground workflows.

Key Topics:

- Changes to projection and datum settings in Carlson 2024
- Understanding NAD83 realizations and EPSG codes
- Lat/Long transformation toggle and its implications
- Backward compatibility and upgrade recommendations
- Future improvements planned for Carlson 2025

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This session was presented by Doug Aaberg on 03/21/2024.

SurvNet Least Squares In Carlson Software

This recorded webinar provides a detailed overview of Carlson SurvNET’s Least Squares Adjustment tools, presented by surveyor and software developer Donnie Stallings. The session covers the theory behind least squares, processing total station and GPS data and reading adjustment reports.

SurvNet Least Squares – Working with Project Datasets

This webinar, led by Donnie Stallings, explored advanced surveying workflows in Carlson SurvNET least squares. The session covered local coordinate systems, EDM calibration, blunder detection and ALTA/NSPS survey accuracy testing.

Survey Project from Field to

Plotted Sheet

A Virtual Webinar Using Carlson Software – Learn to Complete Survey Projects

This webinar provides a complete walkthrough of creating a survey project in Carlson Software—from importing field data and processing coordinates to producing a finished plotted sheet. It covers best practices for point management, deed entry, alignment, field-to-finish automation and sheet layout setup.

Key Topics:

- Carlson Survey project setup and configuration
- Importing and managing point data (CRD files, point groups)
- Entering and editing deed descriptions
- Deed correlation and alignment with field data
- Field-to-Finish drawing automation
- Creating legends, north arrows and title blocks for plotted sheets

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 01/16/2024.

Making Models from a Mess: Using Carlson Cleanup and Elevate Tools

A Virtual Webinar Using Carlson Software – Learn to Clean Up Drawings and Elevate 2D Data into 3D Models

This webinar, hosted by That CAD Girl’s Jennifer DiBona, demonstrates how to transform messy CAD drawings into clean, usable models using Carlson Software’s Cleanup and Elevate tools. The session covers practical workflows for cleaning, organizing and elevating data for model building and stakeout preparation.

Key Topics:

- Drawing cleanup techniques in Carlson Software
- Managing layers, blocks and nested entities
- Elevating 2D data to 3D models for takeoff and stakeout
- Using Carlson Civil and Takeoff tools effectively
- Troubleshooting messy or inconsistent CAD data

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This session was presented by Jennifer DiBona on 08/13/2024.

Site Grading Case Study for 36,000 SF Warehouse

This webinar features professional engineer Travis Maxwell demonstrating efficient grading techniques in Carlson Software for a 36,000 sq ft warehouse site in North Carolina. He walks through balancing cut/fill, using RoadNet for drives and parking and creating 3D polylines for split-level buildings.

Sanitary Sewer Pump Station Design in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Pump Stations

This webinar provides a detailed walkthrough of designing sanitary sewer pump stations using Carlson Hydrology and Structure tools. Presenter Travis demonstrates how to calculate system and pump curves, size wet wells and integrate Excel-based calculations with Carlson’s Lift Station Design command.

Key Topics:

- Carlson Hydrology Lift Station Design tool
- Pump and system curve calculations
- Wet well sizing and float switch configuration
- Flow estimation for residential and commercial systems
- Common design pitfalls and troubleshooting

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This session was presented by Travis Maxwell on 04/10/2024.