

# Tips & Tricks in Carlson Software

## A Virtual Webinar Using Carlson Software – Learn to Improve CAD Productivity

This Carlson Software webinar, hosted by That CAD Girl and presented by Travis Maxwell, covered advanced productivity techniques for Carlson CAD users. Topics included automating sheet indexes, importing Civil 3D drawings, creating and fitting profiles, and extracting usable data from DOT PDF plans.

### Key Topics:

- Automating sheet index creation with block attributes
- Converting and importing Civil 3D drawings into Carlson
- Creating and refining road profiles and centerlines
- Extracting linework and text from DOT PDF plans
- Troubleshooting MLeader background masks and template file behavior

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

*This session was presented by Travis Maxwell on 08/30/2024.*

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# That CAD Girl

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## **Tips & Tricks in Carlson Software**

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

This Carlson Software Tips & Tricks webinar, led by Travis Maxwell and hosted by That CAD Girl, explored advanced drafting and design techniques in Carlson 2024. Topics included dynamic arrays, labeling elevations, dynamic text linking, profile

customization, and title block management for efficient civil design workflows.

### **Key Topics:**

- Dynamic arrays and grid creation
- Labeling elevations and using UCS for profiles
- Dynamic text and Excel-linked tables
- Profile drawing with cut/fill hatching and label boxes
- Title block automation and block data reporting

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*This session was presented by Travis Maxwell on 07/25/2024.*

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# **Tips & Tricks in Carlson Software**

## **A Virtual Webinar Using Carlson Software – Learn to Optimize Civil Workflows**

This Carlson Software webinar, hosted by That CAD Girl and presented by Travis Maxwell, explored advanced techniques and workflows in Carlson Civil and related tools. Topics included surface rendering, QGIS integration, annotative CAD scaling, and the new parking lot design tool.

## **Key Topics:**

- Advanced surface modeling and rendering in Carlson Civil
- Integrating QGIS and DEM data for terrain modeling
- Annotative text and symbol scaling in CAD drawings
- Introduction to the Parking Lot Tool for grading and layout
- Workflow optimization and visualization techniques

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*This session was presented by Travis Maxwell on 06/05/2024.*

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# **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

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

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# **Tips & Tricks in CAD and Carlson Software Recorded 3/20/2024**

## **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.*

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# **The Ultimate Drawing Template Recorded 8/8/2024**

## **A Virtual Webinar Using Carlson Software – Learn to Build Drawing Templates**

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.

## 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.*

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# **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 Oberg, explains the updates to projection and zone settings introduced in Carlson 2024. It clarifies the purpose of new prompts, datum realizations, and configuration options to help surveyors transition smoothly to the latest

version.

### **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

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

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

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# **SurvNet Least Squares In Carlson Software**

## **A Virtual Webinar Using Carlson Software – Learn to Analyze Survey Networks**

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, practical setup and

configuration in SurvNet, and interpretation of adjustment reports for survey network analysis.

### **Key Topics:**

- Fundamentals of Least Squares Adjustment
- Carlson SurvNet configuration and settings
- Processing total station and GPS data
- Reading and interpreting adjustment reports
- Troubleshooting and blunder detection

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*This session was presented by Donnie Stallings on 04/04/2024.*

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# **SurvNet Least Squares – Working with Project Datasets**

## **A Virtual Webinar Using Carlson Software – Learn to Analyze Survey Networks**

This webinar by That CAD Girl covers how to standardize CAD drawings using the National CAD Standard (NCS) within Carlson Software and AutoCAD. It explains best practices for man

aging layers, linetypes, and dimension styles to ensure consistency across civil and survey projects.

### **Key Topics:**

- National CAD Standard (NCS) layer naming and structure
- Carlson template and layer library management
- Linetype scaling, polyline generation, and plotting behavior
- Dimension style creation and scaling for different drawing types

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*This session was presented by Jennifer DiBona on 05/07/2024.*

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# **Survey Project from Field to Plotted Sheet**

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

This webinar by That CAD Girl covers how to standardize CAD drawings using the National CAD Standard (NCS) within

Carlson Software and AutoCAD. It explains best practices for managing layers, linetypes, and dimension styles to ensure consistency across civil and survey projects.

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- Carlson template and layer library management
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*This session was presented by Jennifer DiBona on 05/07/2024.*