

# Tips & Tricks in Carlson Software

## Recorded 1/29/2025

This webinar, led by Travis Maxwell, PE, explores new features and practical workflows in Carlson Software 2025 and IntelliCAD 12.1. Topics include dynamic blocks, improved publishing tools, RoadNet enhancements, and best practices for managing fonts, scales, and line types.

### Key Topics:

- IntelliCAD 12.1 new features and interface improvements
- Carlson Civil 2025 updates (RoadNet, curb ramps, grading objects)
- Dynamic blocks and layout management
- Font compatibility and text scaling best practices
- Publishing and plotting enhancements

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

*This session was presented by Travis Maxwell on 01/29/2025.*

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# Taking Survey Projects from Field to Office with Emlid and your CAD

## Recorded 11/6/2025

This webinar from That CAD Girl and Emlid demonstrates how to streamline survey workflows from field data collection to CAD integration using Emlid's GNSS receivers and software. The session covers Emlid Flow and Flow 360 tools, data synchronization, project setup, and exporting results into CAD environments.

### Key Topics:

- Introduction to That CAD Girl and Complete CAD Solutions partnership with Emlid
- Overview of Emlid's latest GNSS receivers (Reach RX2, RS4, RS4 Pro)
- Demonstration of Emlid Flow and Flow 360 software integration with CAD
- Data collection, stakeout, and export workflows
- Q&A on localization, code libraries, and device compatibility

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

*This session was presented by Julia Shestakova on 11/06/2025.*

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# Taking a Survey Project from Field to Plotted Sheet

## Recorded 2/25/2025

This webinar demonstrates how to take a survey project from raw field data through point import, deed correlation, surface modeling, and final sheet plotting using Carlson Software 2025. Jennifer DiBona provides a full workflow overview, best practices, and live demonstrations of core Carlson commands and configuration options.

### Key Topics:

- Importing and managing survey points in Carlson
- Creating and correlating deed boundaries
- Building surfaces and using Field-to-Finish
- Generating legal descriptions, legends, and plotted sheets

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

*This session was presented by Jennifer DiBona on 02/25/2025.*

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# Survey Tools for BricsCAD

## Recorded 07/10/2025

This webinar introduces MicroSurvey's *Survey Tools for BricsCAD*, a plugin designed to enhance BricsCAD with advanced survey data management, linework automation, and surface modeling capabilities. Presenter Matt McClain demonstrates how to import survey data, manage points, create surfaces, and export results to Google Earth.

### Key Topics:

- Overview of MicroSurvey's Survey Tools plugin for BricsCAD
- Importing and managing survey data (ASCII, FieldGenius, Leica DBX, etc.)
- Creating linework, surfaces, and visualizations within BricsCAD

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

*This session was presented by Matt McLean on 07/10/2025.*

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# Survey Database and Dynamic

# Features In AutoCAD Civil 3D Recorded 3/20/2025

This webinar, hosted by That CAD Girl and presented by Elizabeth Valerio from CAD Masters, provided a detailed walkthrough of using the Survey Database and dynamic linework features in AutoCAD Civil 3D. The session covered setup, configuration, automated linework creation, and traverse analysis for survey data management and efficiency.

## Key Topics:

- Setting up and managing Civil 3D Survey Databases
- Automated linework and figure prefix databases
- Linework code sets and survey data import
- Traverse analysis and closure error visualization
- CAD Masters training and support services

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*This session was presented by Elizabeth Valerio on 03/20/2025.*

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## Standardizing Linetypes,

# Lineweights & Dimension Styles in CAD

## Recorded 5/20/2025

This webinar provides a comprehensive walkthrough of how to standardize line types, line weights, and dimension styles across CAD platforms such as AutoCAD, IntelliCAD, Carlson, and ProjaCAD. It covers practical tips for creating consistent drawing standards, managing scale factors, customizing line type definitions, and setting up templates for efficient drafting workflows.

### Key Topics:

- Understanding and customizing line type definitions (.LIN files)
- Managing line type scales (LTSCALE, PSLTSCALE, PLINEGEN)
- Setting and plotting line weights using CTB files
- Creating and managing dimension styles with scale factors
- Using IntelliCAD Explorer for transferring CAD standards

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*This session was presented by Jennifer DiBona on 05/20/2025.*

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# Paper Space and Plotting in CAD

## Recorded 11/19/2025

This presentation by Jennifer DiBona of That CAD Girl introduces key concepts of Paper Space and Plotting in CAD, part of the Field to Finish webinar series. It also includes information on upcoming webinars and attendance certificate requirements for participants .

### Key Topics:

- Paper Space and Plotting fundamentals in CAD
- Upcoming webinars on Carlson and CAD Tips
- Certificate of Attendance requirements and policies

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*This session was presented by Jennifer DiBona on 11/19/2025.*

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## Overview of Paper Space, Title Blocks and Templates in CAD



ow to create, configure, and visualize surfaces, contours, and terrain models using real-world data.

**Key Topics:**

- Introduction to MicroSurvey CAD and product ecosystem
- Creating and managing surfaces and contours
- Configuration settings for modeling and visualization
- Handling boundaries, breaklines, and point data
- Labeling and smoothing contours

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

*This session was presented by Matt McLean on 05/22/2025.*

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# **Making Models from a Mess – Using Carlson Cleanup and Elevate Tools Recorded 1/28/2025**

This webinar teaches Carlson Civil users how to transform messy, imported CAD drawings into clean, usable models for staking and surface creation. It covers practical workflows using Carlson's Drawing Cleanup and Elevate Tools to fix geometry, layers, and elevations for accurate 3D modeling.

**Key Topics:**

- Cleaning and organizing messy DWG files
- Using Carlson Drawing Cleanup effectively
- Elevating 2D polylines to 3D for surface models
- Managing layers, blocks, and spot elevations
- Avoiding common pitfalls and data corruption

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*This session was presented by Jennifer DiBona on 01/28/2025.*