Tips & Tricks in Carlson Software

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

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 o bjects)
- Dynamic blocks and layout management
- Font compatibility and text scaling best practices
- Publishing and plotting enhancements

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 01/29/2025.

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

A Virtual Webinar Using Emlid and CAD – Learn to Streamline Survey Workflows

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:

- Overview of Emlid's latest GNSS receivers (Reach RX2, RS4, RS4 Pro)
- Project setup, localization and code libraries in Emlid Flow
- Data collection and stakeout workflows
- Syncing projects with Flow 360 and exporting to CAD
- Q&A on localization, code libraries and device compatibility

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ve been AI-generated and may contain errors.

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

Taking a Survey Project from Field to Plotted Sheet

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

This webinar demonstrates how to take a survey project workflow 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

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

Survey Tools for BricsCAD

A Virtual Webinar Using MicroSurvey and BricsCAD – Learn to Manage Survey Data

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 McLean 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 survey data (ASCII, FieldGenius, Leica DBX, etc.)
- Managing survey points
- Linework automation
- Creating surfaces and visualizations within BricsCAD
- Exporting results to Google Earth

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

Survey Database and Dynamic Features In AutoCAD Civil 3D

A Virtual Webinar Using AutoCAD Civil 3D – Learn to Manage Survey Databases

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.

Standardizing Linetypes, Lineweights & Dimension Styles in CAD

A Virtual Webinar Using CAD – Learn to Standardize CAD Styles

This webinar provides a comprehensive walkthrough of how to standardize line types, line weights and dimension styles across CAD platforms such as AutoCAD and IntelliCAD. 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.

Paper Space and Plotting in CAD

A Virtual Webinar Using CAD – Learn to Improve Paper Space Plotting

This webinar provided a comprehensive walkthrough of paper space, model space and plotting workflows in CAD (IntelliCAD/AutoCAD). Jennifer DiBona explained how to effectively use layout tabs, create and manage page setups, insert title blocks and configure viewports for consistent plotting. The session emphasized standardization, efficiency and clarity in multi-sheet drawing sets. Key takeaways included how to set up page templates, lock viewport scales, manage layers per viewport and resolve common plotting issues like line type scaling.

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:

- Paper space vs. model space fundamentals
- Creating and managing page setups and plot styles

- Inserting title blocks and creating viewports
- Locking viewport scales and freezing layers per viewport
- Fixing linetype scaling and other common plotting issues

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

Overview of Paper Space, Title Blocks and Templates in CAD

A Virtual Webinar Using CAD – Learn to Standardize Title Blocks

This webinar provides a comprehensive walkthrough of using paper space, title blocks and templates in CAD environments such as IntelliCAD and AutoCAD. It explains how to standardize plotting, manage multiple scales and use sheet sets and fields to automate title block data.

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:

- Paper space vs. model space fundamentals
- Setting up layouts, viewports and plot configurations
- Managing title blocks and templates
- Using sheet set manager and fields for automation

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This session was presented by Jennifer DiBona on 04/17/2025.

MicroSurvey Surfacing Operations with MSCAD

A Virtual Webinar Using MicroSurvey – Learn to Create Terrain Models

This webinar, hosted by That CAD Girl and presented by MicroSurvey's Matt McLean, provides a detailed walkthrough of surfacing and contouring operations in MicroSurvey CAD. Attendees learned how 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

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

Fast Track to Carlson Civil Suite & CADnet: Session #2-3

A Virtual Classroom Using Carlson Civil Suite and CADnet – Finish RoadNet and Draft Storm Networks

This training session provides an in-depth walkthrough of Carlson Civil Suite’s RoadNet, Hydrology and CADnet modules, demonstrating practical workflows for road design, storm sewer layout and converting PDF plans into CAD data. The instructor showcases real-world examples, emphasizing dynamic design updates, data management and interoperability with Civil 3D and LandXML standards.

Key Topics:

- RoadNet dynamic road design and intersection management
- Storm sewer network setup and hydrology drafting

- Exporting and archiving projects with LandXML
- CADnet tools for PDF-to-CAD conversion and digitizing
- Raster vs. vector PDF handling and troubleshooting

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This session was presented by Jennifer DiBona on 03/14/2024.