

2024 Virtual Workshops: Session #1-1 Overview of Carlson Software

A Virtual Webinar Using Carlson Software – Learn Core Carlson Setup and Survey Workflows

This session kicked off the 2024 Virtual Workshops hosted by That CAD Girl, providing an introductory overview of Carlson Software and its CAD environments. The training covered setup, configuration, data management, and practical demonstrations of key Carlson tools for survey, civil, and land development workflows.

Key Topics:

- Carlson Software overview and interface setup
- IntelliCAD vs. AutoCAD platform options
- Managing configuration and project folders
- Importing Civil 3D and LandXML data
- Deed entry, lot layout, and subdivision design
- Field-to-Finish workflows and surface modeling

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

This session was presented by Jennifer DiBona on 11/19/2024.

Dynamic Blocks for the Engineer and Surveyor

A Virtual Webinar Using IntelliCAD – Learn to Create Dynamic Blocks

This webinar, presented by Travis Maxwell and hosted by Carlson CAD Solutions, provides an in-depth tutorial on creating and using dynamic blocks in IntelliCAD 12.1. The session covers setting up a custom toolbar for block parameters and actions, stretch and visibility states and engineering uses such as scale bars and pond outlet structures.

Key Topics:

- Introduction to Dynamic Blocks in IntelliCAD 12.1
- Creating and customizing toolbars for block editing
- Using parameters, actions and visibility states
- Associative hatching and dimensioning
- Practical engineering applications (e.g., outlet structures, scale bars)

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This session was presented by Travis Maxwell on 10/23/2024.

Tips & Tricks To Recover Corrupt Drawings In CAD With That CAD Girl

A Virtual Webinar Using IntelliCAD and AutoCAD – Learn to Recover Corrupt Drawings

This webinar by That CAD Girl demonstrates practical methods to identify, repair and recover corrupt CAD drawings using IntelliCAD and AutoCAD. It covers essential commands, workflows and free tools like DWG TrueView to maintain drawing integrity and prevent data loss.

Key Topics:

- Identifying non-corrupt vs. corrupt DWG files
- Using Purge, Audit, Recover and WBlock commands
- Handling Xrefs and layout recovery
- DWG TrueView and DWG Convert utilities
- IntelliCAD vs. AutoCAD recovery differences

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This session was presented by Jennifer DiBona on 06/12/2025.

Tips & Tricks in Carlson Software

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

This Carlson Software Tips & Tricks webinar, led by Travis Maxwell and hosted by That CAD Girl, demonstrated practical CAD file cleanup, drawing management and grading workflows within Carlson Civil and Survey. The session also showcased how AI tools can accelerate deed entry and coordinate generation for survey projects.

Key Topics:

- Cleaning and standardizing CAD drawings
- Managing layers, text styles and blocks
- Handling corrupt or messy manufacturer details
- Grading and retaining wall design techniques
- Using AI (ChatGPT) for deed parsing and coordinate creation

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This session was presented by Travis Maxwell on 02/11/2025.

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

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

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.

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.

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.

Customizing Title Blocks and Sheet Set Manager in CAD

A Virtual Webinar Using IntelliCAD and AutoCAD – Learn to Customize Title Blocks

This webinar teaches CAD professionals how to create and customize title blocks, manage attributes and automate project data using Sheet Set Manager in AutoCAD and IntelliCAD. Participants learn practical workflows for building reusable templates, defining attributes and linking fields for efficient project documentation.

Key Topics:

- Creating and managing blocks with attributes
- Using commands like EXPLODE, BURST and ATTDEF
- Building custom title blocks and templates
- Automating data with fields and Sheet Set Manager
- Managing multi-sheet projects and updating properties globally

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This session was presented by Jennifer DiBona on 10/28/2025.

CAD Tips & Tricks – for AutoCAD and IntelliCAD

A Virtual Webinar Using AutoCAD and IntelliCAD – Improve CAD Block and Layer Workflows

This webinar, hosted by That CAD Girl, explored practical CAD tips and tricks for AutoCAD and IntelliCAD users, focusing on block management, layer control and dimensioning best practices. The session demonstrated how to manage and redefine blocks effectively across CAD platforms.

Key Topics:

- Working with blocks and layer zero behavior
- Managing and redefining blocks in messy drawings
- Using IntelliCAD Explorer and AutoCAD Design Center
- Creating tool palettes and exporting blocks
- Dimensioning techniques and text overrides

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This session was presented by Jennifer DiBona on 08/19/2025.