

# 2021 Virtual Workshops 2-1 Very Basic Introduction to CAD for Carlson Users Recorded 12/02/2021

This introductory virtual workshop session teaches new Carlson S software users the fundamentals of CAD using IntelliCAD or AutoCAD as the base platform. Participants learn interface navigation, drafting tools, command-line usage, and essential configuration settings to prepare for later Carlson-specific training.

## Key Topics:

- Understanding the CAD platform beneath Carlson Software
- User interface customization (menus, ribbons, toolbars, command line)
- Drawing basics: lines, coordinates, zoom/pan, ortho, and object snaps
- File management, options, and drafting settings
- Differences between IntelliCAD and AutoCAD behavior

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

This session was presented by Jennifer DiBona on 12/01/2022.

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# **2021 Virtual Workshops 1-6 Tips & Tricks in Carlson Software and Wrap Up Recorded 12/01/2022**

This 2021 Virtual CAD Workshop session, led by Jennifer DiBona of That CAD Girl, focuses on practical CAD fundamentals including line types, line weights, and dimension styles in AutoCAD and Carlson Software. The session provides detailed demonstrations, explanations of key settings, and best practices for achieving consistent, professional-quality drawings.

## **Key Topics:**

- Understanding and controlling line type display (LTscale, PLineGen, PSLTscale)
- Creating and editing custom line types with text
- Managing line weights and CTB plot styles
- Setting up and scaling dimension styles effectively

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This session was presented by Jennifer DiBona on 12/01/2022.

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# **2021 Virtual Workshops 1-5**

# Tips & Tricks in Carlson Survey

## Recorded 12/01/2022

This Carlson Software virtual workshop, led by Doug Aaberg, provided advanced tips and tricks for Carlson Survey users, focusing on configuration management, field-to-finish workflows, and CAD efficiency tools. The session covered settings migration, annotation management, field text automation, grid-to-ground scaling, and practical drafting shortcuts for survey professionals.

### Key Topics:

- Carlson Settings Server and configuration management
- Field-to-Finish setup and standardization
- Annotative text, field text, and title block automation
- Grid-to-ground and rotation angle tools
- Drafting productivity commands and bug discussions

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This session was presented by Doug Aaberg on 12/01/2021.

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## 2021 Virtual Workshops 1-4

# Tips & Tricks in Carlson Civil & Hydrology

## Recorded 12/01/2021

This virtual workshop session, led by Mark Long from Carlson Software, explores advanced design workflows in Carlson Civil, focusing on RoadNet, hydrology, and utility network tools. Attendees learned practical tips for roadway design, intersection grading, sewer and stormwater modeling, and creating custom structures for efficient civil engineering design.

### Key Topics:

- RoadNet advanced features and intersection control
- Grading, pad elevation, and contour management
- Sewer and storm drainage network design
- Utility network setup and waterline crossings
- Custom structure and inlet creation

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This session was presented by Mark Long on 12/01/2021.

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**2021 Virtual Workshops 1-2**  
**Tips & Tricks for**

# Standardizing Carlson Software with IntelliCAD

## Recorded 12/01/2022

This session from That CAD Girl's 2021 Virtual Workshops features Travis Maxwell presenting advanced Carlson Software and IntelliCAD techniques for establishing and maintaining CAD standards. The webinar covers fonts, line types, blocks, symbol libraries, and tool palettes to streamline drafting workflows and ensure consistent, efficient project delivery.

### Key Topics:

- Managing fonts, line types, and CAD standards in Carlson Software
- Creating and scaling custom blocks and symbols
- Setting up shared symbol libraries and tool palettes
- Troubleshooting IntelliCAD compatibility issues
- Implementing company-wide CAD standards and workflows

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This session was presented by Travis Maxwell on 12/01/2021.

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# 2021 Virtual Workshops 1-1

# **Overview of Carlson Software Products**

## **Recorded 12/01/2021.**

This virtual workshop introduces Carlson Software's core CAD tools, licensing options, and interoperability with AutoCAD and IntelliCAD. Jennifer DiBona demonstrates setup, field-to-finish workflows, surface modeling, lot design, and road network creation for surveyors and civil engineers.

### **Key Topics:**

- Carlson Software overview and independence
- Licensing, installation, and maintenance structure
- Field-to-Finish, surfaces, and data management
- GIS and Google Earth integration
- LotNet and RoadNet design workflows

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This session was presented by Jennifer DiBona on 12/07/2021.

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# **What is new in Carlson 2022**

## **Recorded on 3/15/2022**

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, explores new features and improvements in Carlson 2022 software. The session covers enhancements in IntelliCAD, dynamic b

locks, text editing, grading tools, hydrology workflows, and integration with GIS and utility design systems.

### **Key Topics:**

- IntelliCAD 10.1 enhancements and dynamic block support
- New commands and text editing improvements
- Pad grading, lot elevation, and site design automation
- Integration with SiteNet, RoadNet, and HydroNet
- Custom drawing properties and tool palette customization
- GIS and QGIS workflows for shapefile management
- Stormwater and utility design updates

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*This session was presented by Travis Maxwell on 03/15/2022.*

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# **Tools & Tricks For Converting Outside CAD Files**

## **Recorded on 4/13/2022**

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a comprehensive walkthrough of best practices for converting and cleaning external CAD files for use in Carlson Software. It covers layer management, font and block cleanup, layer translation, and troubleshooting performance issues in Intel

liCAD versus AutoCAD.

**Key Topics:**

- Cleaning and optimizing external CAD files
- Managing layers, fonts, and Xrefs
- Using layer translation tools and templates
- Handling blocks, line types, and viewport colors
- Troubleshooting IntelliCAD performance issues

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*This session was presented by Travis Maxwell on 04/13/2022.*

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# **2022 Virtual Workshops 1-1 Introduction to CAD Recorded 11/15/2022**

The opening session of the 2022 Virtual Workshops introduced participants to IntelliCAD 2023 and Carlson 2023, focusing on CAD fundamentals, interface navigation, and drafting precision. Jennifer DiBona guided attendees through command usage, settings, object snaps, polylines, text tools, and practical workflow tips for survey and civil design professionals.

**Key Topics:**

- Workshop logistics and GoToWebinar Q&A setup
- Overview of Carlson 2023 (IntelliCAD 10.1) release and stability improvements
- CAD interface elements: command line, toolbars, menus, ribbons, workspaces
- Default settings, options, and drafting preferences
- Command entry, quick keys, and aliases
- Object snaps (OSNAP) and precision drafting
- Lines vs. polylines, grips, and selection methods
- Text creation (single-line vs multi-line) and editing
- Saving, backups, and workspace management

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This session was presented by Jennifer DiBona on 11/15/2022.

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# **The Very Basics of Carlson Field to Finish Recorded on 3/10/2022**

This webinar introduces the fundamentals of Carlson's Field to Finish workflow, led by Doug Oberg and hosted by That CAD Girl. It walks surveyors through setting up code tables, managing linework, and automating drafting tasks to improve efficiency from field data collection to finished CAD drawings.

## **Key Topics:**

- Introduction to Carlson Field to Finish setup
- Creating and editing code tables
- Managing linework, symbols, and layers
- Using special codes and offsets
- Automating drafting and data processing

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This session was presented by Doug Aaberg on 03/10/2022.