

2021 Virtual Workshops 2-2 Intro to Carlson Software Recorded 12/02/2021.

This virtual workshop session introduces participants to Carlson Software, covering setup, configuration, and point management within IntelliCAD. It explains default settings, project folder organization, templates, and best practices for integrating Carlson with AutoCAD and Civil 3D workflows.

Key Topics:

- Carlson Software interface and module overview
- Default configuration and project/data folder setup
- Managing settings, templates, and builds
- Working with points, surfaces, and coordinate files
- Importing Civil 3D data and LandXML files

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

This session was presented by Jennifer DiBona on 12/02/2022.

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

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

2021 Virtual Workshops 1-6

Tips & Tricks in Carlson

Software and Wrap Up

Recorded 12/01/2021

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 12/01/2021.

2021 Virtual Workshops 1-5

Tips & Tricks in Carlson

Survey

Recorded 12/01/2021

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.

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.

2021 Virtual Workshops 1-2 Tips & Tricks for Standardizing Carlson Software with IntelliCAD

Recorded 12/01/2021

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.

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.

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 fo

r 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.

Surfaces and Breaklines – the Basics

Recorded in 2/9/2022

This webinar introduces the fundamentals of creating and refining surface models in Carlson Software, focusing on how to use points, breaklines, and surface-editing tools to produce accurate t

terrain models. It covers best practices for data preparation, triangulation, contour generation, and integrating external elevation data for design and visualization.

Key Topics:

- Preparing point and linework data for surface modeling
- Using Shrink Wrap Entities and Non-Surface point flags
- Building TIN surfaces and contours with Triangulate and Contour
- Creating and editing 3D breaklines
- Field-to-Finish automation for surface creation
- Importing and merging external elevation data (NASA & Google)
- Visualization tools (3D Viewer, Flyover, Image Draping)

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This session was presented by Jennifer DiBona on 02/09/2022.

Overview of Carlson Point Cloud

Recorded on 4/28/2022

This webinar provides an in-depth overview of Carlson Point Cloud, demonstrating how to im

rt, clean, and process point cloud data for surveying and CAD integration. Presenter Doug Oberg walks through workflows using drone imagery, Photo Capture, and Carlson's Point Cloud Basic and Advanced modules.

Key Topics:

- Importing and managing point clouds in Carlson
- Cleaning and processing data (Bare Earth extraction, noise removal)
- Creating surfaces, points, and CAD drawings from point clouds
- Using Photo Capture and GeoTIFF imagery
- Advanced tools for parking lot and color edge extraction

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This session was presented by Doug Aaberg on 04/28/2022.