

Overview of Carlson GIS

A Virtual Webinar Using Carlson Software – Learn to Use GIS Mapping Tools

This webinar provides an in-depth overview of Carlson GIS, demonstrating how to import, manage, and visualize shapefiles and database data in CAD. The session shows practical examples including importing municipal shapefiles, creating GIS databases from CAD drawings and Excel files, and using imagery services within Carlson GIS.

Key Topics:

- Introduction to Carlson GIS structure and shapefile components
- Importing and linking GIS data (SHP, SHX, DBF files)
- Creating and managing Carlson GIS databases (MDB files)
- Utilizing GIS tools: Inspector, Query Builder, Labeling, and Legends
- Incorporating ESRI and Google imagery layers

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

This session was presented by Jennifer DiBona on 03/26/2019.

That CAD Girl

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Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surface Models

This instructional webinar explains the essential concepts of building surface models and defining breaklines in Carlson Software. Participants learn how to triangulate points, integrate 3D polylines, merge elevation datasets, and identify common pitfalls when constructing or sharing terrain surfaces.

Key Topics:

- Creating surfaces from points in Carlson Software
- Purpose and definition of breaklines/fault lines
- Manual vs. Field-to-Finish creation of 3D polylines
- Merging TIN surfaces and importing National Elevation Data set (NED) data
- Problems using only contours versus comprehensive surface data

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This session was presented by Jennifer DiBona on 03/20/2019.

Standardizing CAD and Carlson

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

This webinar explores how Carlson Software operates on top of AutoCAD or IntelliCAD platforms and provides guidance for standardizing settings, configurations, and layer structures across CAD

environments. Participants learn to manage Carlson Configure, templates, layers, and quick keys to ensure consistent and efficient drafting workflows.

Key Topics:

- Integration between Carlson Software and CAD platforms
- Managing default settings and configuration files (CFG, DWG, STA, LA)
- Creating individualized templates and layer libraries
- Customizing quick keys and command aliases
- Ensuring consistency across offices and field laptops

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This session was presented by Jennifer DiBona on 02/28/2019.

Tips & Tricks to Recover Corrupt Drawings

A Virtual Webinar Using CAD – Learn to Recover Corrupt Drawings

This webinar by That CAD Girl explains practical methods for diagnosing and repairing corrupt AutoCAD and Civil 3D DWG files. It includes demonstrations of built-in commands, file-recovery

utilities, and best practices to restore drawings that will not open or behave incorrectly.

Key Topics:

- Using **Purge, Audit, Recover, and Recover All**
- Handling corruption in **Civil 3D** drawings
- Exporting, **Wblock**, and **Insert as Exploded Block** recovery methods
- Leveraging **Design Center** and **DWG TrueView / DWG Convert** for repair
- Preventive maintenance and cleanup strategies

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This session was presented by Jennifer DiBona on 07/23/2019.

Jennifer's Favorite Things in Carlson

Jennifer's Favorite Things in Carlson

In this detailed webinar, Jennifer from The CAD Girl showcases her favorite productivity commands and workflows in Carlson Software. The session covers smart methods for entering deed descriptions, editing 3D polylines, and automating CAD tasks to

reduce manual clicks and improve drafting efficiency.

Key Topics:

- Entering and Processing Deed Descriptions
- 2D/3D Polyline Drawing and Editing Techniques
- Using Field-to-Finish, Non-Surface Points, and Shrink-Wrap Tools

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This session was presented by Jennifer DiBona on 02/20/2019.

The Very Basics of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn Field to Finish Basics

This webinar introduces the fundamental steps to setting up and using Carlson Field to Finish, covering FLD file creation, coding structures, and practical workflows for processing survey data efficiently. The session provides hands-on instruction for linking field codes, points, and layers to automate drawing production.

Key Topics:

- Overview of Field to Finish and FLD files
- Creating and editing field codes
- Layer and symbol management
- Using Draw Field to Finish vs. Draw Locate
- Managing point attributes and raw descriptions
- Using special codes for descriptive customization

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This session was presented by Jennifer DiBona on 07/09/2019.

Site Project Grading from Start to Finish

A Virtual Webinar Using Carlson Software – Learn to Complete Site Grading

This webinar from *That CAD Girl* provides a complete walkthrough of grading a small site project—from setup to balanced design—using Carlson Civil Software. It demonstrates practical 3D data management, polyline conversions, surface creation, and balancing methods essential for site design professionals.

Key Topics:

- Carlson Civil setup, configuration, and linking settings
- Elevating polylines and creating 3D grading plans
- Grading workflow for building pads, curbs, and parking lots
- Surface model creation, densification, and balancing cut/fill volumes
- Visualization and verification of final design surfaces

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This session was presented by Jennifer DiBona on 12/17/2019.

Mark's Favorite Things in Carlson Desktop Software—by Mark Long

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

This webinar, hosted by That CAD Girl and presented by Mark Long from Carlson Software, highlights Mark's favorite time-saving features and techniques in Carlson's desktop civil design tools. The session demonstrates practical workflows in Roadnet, cross-section generation, cul-de-sac design, and the new 2020 utility

network functions.

Key Topics:

- Using Carlson Roadnet for roadway design efficiency
- Cross sections, profiles, and intersection editing
- Customization of cul-de-sacs and curb ramps
- Introduction to the Utility Network module
- Carlson year-end software offers and webinar schedule

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This session was presented by Mark Long on 12/04/2019.

Site Project Grading from Start to Finish

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This webinar provides a complete walkthrough of grading a small site project from start to finish using Carlson Civil. It

demonstrates using 3D data commands, layer management, polyline editing, surface creation, and daylighting techniques to produce a balanced, accurate site model.

- **Key Topics:**

- Converting 2D elements to 3D polylines
- Building and modifying surfaces in Carlson Civil
- Applying slopes, offsets, and elevations for pads, curbs, and driveways
- Managing contours and ensuring positive drainage
- Using shrink-wrap entities, polyline utilities, and 3D surface analysis

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This session was presented by Jennifer DiBona on 01/16/2019.

Overview of Paper Space

A Virtual Webinar Using CAD – Learn to Set Up Paper Space

This webinar from That CAD Girl provides an in-depth walkthrough of paper space in CAD software. It teaches users how to set up layout tabs, create and manage viewports, set scale, and handle plotting configurations for professional-grade drawings.

Key Topics:

- Understanding model space vs. paper space
- Creating and managing layout tabs and borders
- Working with viewports and plot scales
- Controlling visibility and layers per viewport
- Change Space command and layout management

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This session was presented by Jennifer DiBona on 06/19/2019.