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.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces with Breaklines and Merge NED Data

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

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

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

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, DWT, 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 shows how to clean up and recover corrupt DWG files using Carlson Survey on both AutoCAD and IntelliCAD. It covers fixes for drawings that still open but misbehave and for drawings so damaged they will not open at all, plus free Autodesk utilities that can repair files without opening them.

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:

- Purge, -Purge (Regapps, nested items and zero-length geometry) and Audit
- Wblock the entire drawing to a clean copy that keeps its layout tabs
- Recover and Recover All for drawings that will not open
- Insert as Exploded Block and restoring lost layouts with Design Center (AutoCAD) or Layer Control (Carlson IntelliCAD)
- Export to AutoCAD from Civil 3D for problem Civil 3D drawings
- DWG TrueView and DWG Convert to audit, purge and bind

- xrefs without opening 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 07/23/2019.

Jennifer’s Favorite Things in Carlson

A Virtual Webinar Using Carlson Software – Learn to Use Deed Entry, Polyline Editing and Field to Finish Tools

In this webinar, Jennifer DiBona of That CAD Girl shares her favorite productivity commands and workflows in Carlson Software. The session covers faster deed entry and legal descriptions, 2D and 3D polyline drawing and editing, Twist Screen and surface-building tips that reduce clicks and improve drafting efficiency.

Key Topics:

- Entering and processing deed descriptions
- Legal Description Writer from a boundary polyline
- 2D Polyline with right/left rotate and Extend by Distance
- Offset 3D Polyline to a surface slope for daylighting

- Twist Screen for rotated drawing views
- Non-surface points and shrink-wrap boundaries before building a surface

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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

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

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

Mark’s Favorite Things in Carlson Desktop Software

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:

- RoadNet tips for roadway design efficiency
- Intersection primary and secondary road settings
- Cul-de-sac and curb ramp customization
- Drawing and editing cross sections and profiles
- New 2020 Utility Network for gas, water and electric lines

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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 Site Project Grading from Start to Finish

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

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

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.