

Introduction to Carlson Software-Settings, Setup, Configuration & Points

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

This webinar introduces new users to Carlson Software's core configuration tools, default settings, and point management workflows. It covers system setup, drawing configuration, project folder structures, and practical tips for managing points, symbols, and annotation scales efficiently.

Key Topics:

- Carlson Configure and Drawing Setup
- Project and Data Folder organization (Drawing vs. Project Folder)
- Point creation, import, and display settings
- Managing scales, symbols, and annotation sizes
- Saving and restoring configuration files (CFG)

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

This session was presented by Jennifer DiBona on 01/06/2020.

IntelliCAD Overview – Where it WAS. Where it IS. And Where it WILL BE.

A Virtual Webinar Using IntelliCAD – Explore IntelliCAD Development

This webinar, hosted by That CAD Girl, provides an in-depth overview of IntelliCAD's history, current capabilities, and future direction, featuring insights from the IntelliCAD Technology Consortium and Carlson Software. It explores how IntelliCAD serves as a cost-effective, DWG-compatible CAD platform supporting Carlson's land development software suite.

Key Topics:

- IntelliCAD's origins and mission
- Comparison with AutoCAD and DWG compatibility
- Carlson Software's integration with IntelliCAD
- New features in IntelliCAD 10
- BIM, DGN, and material rendering capabilities

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This session was presented by Dave Lorenzo, Dave Carlson, and Leonid Enrov, and Jennifer DiBona on 08/13/2020.

An Overview of LandXML to Share and Transfer Files

A Virtual Webinar Using Carlson Software – Learn to Process Drone Data

This webinar explains the importance of using LandXML as a universal data exchange format for civil engineering, surveying, and construction workflows. It demonstrates how LandXML enables seamless sharing of surfaces, points, alignments, and profiles between Carlson, Civil 3D, Land Desktop, and machine control systems.

Key Topics:

- Purpose and benefits of LandXML
- Data compatibility between Carlson, Civil 3D, and other CAD systems
- How to import/export LandXML files
- Archiving and long-term data preservation

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This session was presented by Jennifer DiBona on 02/20/2020.

Down & Dirty Data Transfer between Carlson and Other Programs

A Virtual Webinar Using Carlson Software – Learn to Transfer Data Between Programs

This webinar explains practical methods for transferring survey and civil data between Carlson Software and Autodesk Civil 3D. It covers handling Civil 3D objects, converting points and surfaces, exporting and importing DWG files, and using LandXML for reliable cross-platform data exchange.

Key Topics:

- Converting Civil 3D points and surfaces into Carlson formats
- Understanding proxy entities and Civil 3D object limitations
- Exporting Civil 3D drawings to AutoCAD DWG
- Using LandXML for seamless data transfer between platforms

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This session was presented by Jennifer DiBona on 07/15/2020.

Drawing Cleanup for Model Building and Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Prepare CAD Files

This webinar, hosted by That CAD Girl and presented by Walt Liles of Terrain Technology, provides an in-depth walkthrough of Carlson Software's Drawing Cleanup tools for preparing CAD files for construction staking and machine control modeling. The session covers best practices for reducing file size, cleaning DWGs, converting entities, and managing layers to optimize performance in field applications.

Key Topics:

- Carlson Drawing Cleanup workflow and settings
- File size optimization for GPS and machine control
- Layer management and XREF handling
- Converting Civil 3D and LDD entities into Carlson formats
- Creating and exporting points for layout and staking

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This session was presented by Walt Liles on 11/06/2020.

Deeds of Lots and Lots of Lot

A Virtual Webinar Using Carlson Software – Explore Civil Suite Workflows

This webinar demonstrates how to use Carlson Survey tools to create and manage property deeds, lot boundaries, and subdivision layouts. It covers deed entry, editing, labeling, legal description generation, and automated lot network design for surveyors and civil designers.

Key Topics:

- Entering and editing deed descriptions (PDD files)
- Creating and labeling lots and boundaries
- Legal description writer and map check tools
- Lot network setup for subdivision design
- Automating setbacks and building footprints

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This session was presented by Jennifer DiBona on 05/12/2020.

The Very Basics of Carlson Field to Finish

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

This webinar introduces the foundational concepts of Carlson Software's Field to Finish feature, demonstrating how to automate point layering, symbol insertion, and linework creation based on field descriptions. It provides a step-by-step walkthrough of setting up FLD files, managing layers, and using special codes for survey data processing.

Key Topics:

- Setting up and editing Field to Finish (FLD) code tables
- Automating point and symbol management in Carlson Survey
- Using layers, attributes, and special codes for efficient mapping

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This session was presented by Jennifer DiBona on 08/21/2018.

Taking a Survey Project from Field to Plotted Sheet

A Virtual Webinar Using Carlson Software – Complete a Survey Project from Field to Plotted Sheet

This webinar provides a complete walkthrough of managing a survey project in Carlson Software—from initial setup and importing field data to creating surfaces, labeling, and producing final deliverables. It demonstrates practical workflows, configuration tips, and best practices for surveyors using Carlson Survey and Field-to-Finish tools.

Key Topics:

- Carlson Survey project setup and configuration
- Importing and managing point data (CRD, ASCII)
- Field-to-Finish processing and layer management
- Deed entry, correlation, and legal description tools
- Surface creation, contouring, and annotation
- Map finishing: legends, scales, and title blocks

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This session was presented by Jennifer DiBona on 08/16/2018.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces with Breaklines

This webinar provides a detailed walkthrough of creating accurate terrain surfaces in Carlson Software, focusing on the importance of breaklines, triangulation, and contour generation. It demonstrates common pitfalls when building surfaces from contours and offers best practices for using field data, 3D polylines, and LandXML files for reliable surface modeling.

Key Topics:

- Creating and editing surfaces in Carlson Software
- Using triangulate and contour commands
- Understanding breaklines and their role in accurate surface modeling
- Problems with building surfaces from contours
- Importing and merging surface data (NED, DEM, TIN files)
- Using Surface Inspector and Field-to-Finish tools

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This session was presented by Jennifer DiBona on 08/15/2018.

Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Improve Grading and Quantity Workflows

This webinar by That CAD Girl demonstrates practical grading workflows in Carlson Software, covering surface creation, merging, and pad design techniques. It provides step-by-step examples for building, editing, and inspecting TIN surfaces and grading pads using Carlson Survey, Civil, and Construction modules.

Key Topics:

- Creating and merging TIN surfaces
- Using public elevation data (NED/USGS)
- Pad grading and slope projection
- Design Pad Template vs. manual grading
- 3D Polyline and elevation editing tools

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This session was presented by Jennifer DiBona on 12/19/2018.