

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

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

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

Recorded 08/16/2018

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.

Overview of LandXML to Share and Transfer Data

A Virtual Webinar Using LandXML – Learn to Share and Transfer Civil Data

This webinar provides a detailed overview of LandXML—an open, non-proprietary data format used to exchange survey, civil, and land-development information between software such as Carlson Civil and Autodesk Civil 3D. Participants learn how to export, import, and archive project data using LandXML to ensure long-term accessibility and cross-platform compatibility.

Key Topics:

- What LandXML is and why it matters
- Exporting/importing LandXML in Carlson Civil and Civil 3D
- Using LandXML for archiving, collaboration, and machine-control workflows

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This session was presented by Jennifer DiBona on 11/08/2018.

Overview of Carlson GIS

A Virtual Webinar Using Carlson Software – Learn to Create and Analyze GIS Maps

This webinar provides a practical introduction to Carlson GIS, demonstrating how to import, manage, and visualize geospatial data such as shapefiles, images, and parcel information. It covers fundamental GIS setup, data linking, querying, labeling, and exporting to Google Earth using Carlson GIS tools.

Key Topics:

- Importing and managing ESRI shapefiles
- Setting up GIS feature and database files
- Using queries, labeling, and inspector tools
- Integrating imagery and exporting to Google Earth
- Creating and maintaining parcel-based GIS databases

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This session was presented by Jennifer DiBona on 09/25/2018.

Mark's Favorite Things in

Carlson Desktop Software

A Virtual Webinar Using Carlson Software – Explore Mark's Favorite Desktop Tools

This webinar features Mark Long from Carlson Software demonstrating his favorite tools and workflows in Carlson Civil and Hydrology. He walks through road design, template point centerlines, surface modeling, and hydrology setup, offering practical examples and design tips for everyday engineering tasks.

Key Topics:

- Carlson Road Network and Template Point Centerlines
- Surface modeling and grading workflows
- Hydrology setup, watershed layers, and storm drainage design

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This session was presented by Mark Long on 10/11/2018.

Making Models from a Mess

A Virtual Webinar Using Carlson Software – Learn to Elevate 2D Drawings into 3D Models

This webinar, Making Models from a Mess, teaches Carlson Software users how to clean up poorly drafted CAD drawings and convert 2D entities into accurate 3D models for staking and surface modeling. It covers essential tools, workflows, and best practices for managing layers, fixing geometry, and elevating polylines to create usable 3D data.

Key Topics:

- Cleaning and organizing messy CAD drawings
- Elevating 2D polylines and contours to 3D
- Managing layers and converting Civil 3D/Land Desktop data
- Using Carlson tools for model building and stakeout preparation
- Handling spot elevations, contours, and building pads

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This session was presented by Jennifer DiBona on 10/25/2018.