Survey Project from Field to Plotted Sheet

A Virtual Webinar Using Carlson Software – Learn to Complete Survey Workflows

This webinar demonstrates a complete Carlson Survey workflow, showing how to take raw field data through coordinate file creation, deed entry, surface modeling and final sheet plotting. It covers practical commands, configuration tips and troubleshooting steps for surveyors using Carlson 2020/2021 on IntelliCAD.

Key Topics:

- Carlson configuration and project setup
- Importing and managing point data (CRD files)
- Deed entry, correlation and legal description tools
- Field-to-Finish automation and surface creation
- Plotting, labeling and sheet preparation

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

This session was presented by Jennifer DiBona on 01/12/2021.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Accurate Surfaces

This webinar introduces the foundational concepts of surface modeling and breaklines in Carlson Civil and Takeoff. It covers how to prepare data, build accurate surfaces, use breaklines effectively and avoid common pitfalls when working with contours and triangulated irregular networks (TINs).

Key Topics:

- Surface modeling fundamentals in Carlson Civil/Takeoff
- Using 3D Viewer and Shrink Wrap Entities
- Managing non-surface points and breaklines
- Field-to-Finish automation
- Combining and exporting surface data

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This session was presented by Jennifer DiBona on 01/19/2021.

SiteNet & Takeoff Menus In Carlson Civil, Construction & Takeoff

A Virtual Webinar Using Carlson Software – Learn to Calculate Site Quantities

This webinar provides a detailed walkthrough of surface modeling and material takeoff workflows using Carlson Civil and Construction's SiteNet and Takeoff menus. Jennifer DiBona explains how to prepare clean CAD layers, define surfaces, calculate volumes and generate material quantity reports for accurate construction estimating.

Key Topics:

- Layer management and cleanup for surface modeling
- Defining existing and design surfaces in SiteNet
- Setting up subgrade, topsoil and boundary polylines
- Calculating cut/fill volumes and material quantities
- Visual verification and troubleshooting techniques

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This session was presented by Jennifer DiBona on 01/27/2021.

Project Case Study-Using Carlson Takeoff For Quantities and Surface Modeling

A Virtual Webinar Using Carlson Software – Learn to Calculate Quantities

This webinar features Ashton Cary of Terrain Technology demonstrating how to use Carlson Takeoff for quantity calculations and surface modeling in a real-world project. The session covers drawing cleanup, layer management, surface creation and exporting data for machine control applications.

Key Topics:

- Carlson Takeoff workflow for grading and quantity estimation
- Drawing cleanup and layer management in AutoCAD/IntelliCAD
- Creating and verifying existing and proposed surfaces
- Topsoil removal and subgrade adjustments
- Exporting data for machine control (Topcon, Leica)

Descriptions, transcripts and other details of this recording ha

ve been AI-generated and may contain errors.

This session was presented by Ashton Cary on 05/26/2021.

Practical LotNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Subdivision Layouts

This webinar, hosted by That CAD Girl and presented by Mark Long, provides a detailed walkthrough of Carlson Software's LotNet tools for practical subdivision layout design. The session covers setup, configuration and efficient workflows for creating, labeling and adjusting residential lots using Carlson's automation features.

Key Topics:

- Practical use of LotNet for subdivision design
- Setting up boundaries, right-of-way and lot edges
- Automating lot labeling, numbering and setbacks
- Adjusting lot layouts and cleaning linework
- Tips for efficient and profitable subdivision planning

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This session was presented by Mark Long on 10/14/2021.

Overview of Carlson Point Clouds Using PhotoCapture

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

This webinar provides a detailed demonstration of Carlson Photo Capture and Carlson Point Cloud software, showcasing how drone imagery and LiDAR data can be processed into accurate 3D surfaces for site design. The session covers workflows, pricing models and integration with Carlson Precision 3D and hydrology tools.

Key Topics:

- Carlson Photo Capture setup and workflow
- Carlson Point Cloud processing and editing tools
- Integration with Precision 3D and hydrology modeling
- Kentucky LIDAR data access and usage
- Surface creation, breaklines and stormwater design

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This session was presented by Steve Cummings on 05/20/2021.

Overview of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn to Automate Field Data Drafting

This webinar provides a step-by-step introduction to Carlson Software's Field to Finish workflow, showing how to configure FLD files, process survey points and generate automatic linework and symbols. Attendees learn how to move from raw field data to a clean, layered drawing ready for mapping or surface modeling.

Key Topics:

- Introduction to Field to Finish concepts
- Comparison with Land Desktop / Civil 3D description keys
- Creating and editing FLD files
- Managing point layers, symbols and linework
- Using special codes and linework automation
- Handling 2D vs 3D polylines and breaklines

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This session was presented by Jennifer DiBona on 03/10/2021.

More Surfaces: Volumes, Editing & Display Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Analyze Surface Volumes

This webinar, hosted by That CAD Girl, provides an in-depth walkthrough of Carlson Software's surface modeling tools, including creating, editing and analyzing surfaces, volumes and contours. Jennifer demonstrates practical workflows for managing TIN files, comparing surfaces and visualizing data in 3D for civil and survey applications.

Key Topics:

- Working with TIN files and surface visualization
- Creating and editing surfaces, contours and boundaries
- Volume calculations and cut/fill analysis
- Integrating GIS and elevation data
- Practical Carlson Civil and Survey tips

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This session was presented by Jennifer DiBona on 10/12/2021.

Making the Most of Carlson’s LotNet

A Virtual Webinar Using Carlson Software – Learn to Design Subdivisions

This webinar, hosted by That CAD Girl and presented by Doug Aaberg from Carlson Software, demonstrates practical ways to use Carlson LotNet for efficient lot layout and subdivision design. The session covers both simple and complex land division workflows with an emphasis on real-world applications and problem-solving within the software.

Key Topics:

- Introduction to Carlson LotNet and setup basics
- Creating and editing lot boundaries and right-of-way lines
- Automating lot subdivision and labeling
- Integrating road networks and cul-de-sacs
- Troubleshooting and real-world design challenges

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

This session was presented by Doug Aaberg on 06/24/2021.

Making Models from a Mess – Carlson Tools: Elevate 2D Drawings to 3D for Staking or Surface Model

A Virtual Webinar Using Carlson Software – Learn to Build 3D Models

This webinar, Making Models from a Mess, demonstrates how to use Carlson Software tools to convert messy 2D CAD drawings into clean, geo-referenced 3D models suitable for staking and machine control. Jennifer DiBona walks through file cleanup, layer management, elevation assignment and model preparation workflows using Carlson Civil, Takeoff and SiteNet.

Key Topics:

- Cleaning and consolidating 2D CAD files for modeling
- Using Carlson's 2D-to-3D elevation tools
- Handling Civil 3D and LandXML data
- Layer management and drawing cleanup best practices
- Preparing surface models for staking and machine control

Descriptions, transcripts and other details of this recording ha

ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 11/16/2021.