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

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 01/19/2021.

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.

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 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

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ve been AI-generated and may contain errors.

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

Making Models from a Mess – Drawing prep for staking or surface models

A Virtual Webinar Using Carlson Software – Learn to Prepare Drawings for Staking

This webinar demonstrates how to prepare and clean CAD drawings for use in Carlson Software's surface modeling and construction staking workflows. It covers techniques for consolidating, cleaning and elevating 2D data into accurate 3D models ready for field and machine control applications.

Key Topics:

- Drawing cleanup and preparation for staking and surface modeling
- Consolidating and cleaning 2D CAD data
- Handling Civil 3D and Land Desktop data
- Using Carlson commands for 2D-to-3D conversion
- Elevation control for accurate 3D models
- Preparing models for field and machine control

applications

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This session was presented by Jennifer DiBona on 04/20/2021.

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 setup, configuration and point management tools within IntelliCAD. It covers user interface customization, data folder organization, configuration management and drawing templates for efficient CAD workflows.

Key Topics:

- Carlson Software installation and interface overview
- Configuring data and project folders
- Managing settings, templates and drawing defaults
- Importing and displaying points
- Understanding configuration files and backups

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This session was presented by Jennifer DiBona on 08/02/2021.

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

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

This webinar introduces new and existing Carlson Software users to the fundamentals of setup, configuration and point management. Jennifer from That CAD Girl provides a step-by-step walkthrough of user interface customization, default settings, data folder organization and point handling within Carlson.

Key Topics:

- Carlson Software interface and configuration
- Managing projects, data and settings folders
- Creating and customizing drawing templates
- Working with points, CRD files and field-to-finish settings

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This session was presented by Jennifer DiBona on 07/01/2021.

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

A Virtual Webinar Using Carlson Software – Learn Settings Setup and Points

This webinar, hosted by That CAD Girl, introduced new users to Carlson Software settings, setup, configuration and points. Jennifer walked through the start page, menus and toolbars, checking your build and registration under Help and setting defaults in Carlson Configure, including object linking, project and data folders and drawing setup. The session also covered creating a company drawing template, fixing the point text style and importing, listing and editing points in a CRD file.

Key Topics:

- Navigating the start page, menus, toolbars and module menus
- Checking your build, registration and updates under Help
- Carlson Configure: object linking, project and data folders and drawing setup

- Backing up your settings with a CFG file
- Creating a company drawing template and fixing the PTXT text style
- Importing, listing and editing points in a CRD file

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This session was presented by Jennifer DiBona on 06/02/2021.

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

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

This webinar introduces new Carlson Software users to the essential setup and configuration processes, including interface customization, project folder management, drawing templates and point handling. It provides a step-by-step walkthrough of Carlson Configure, data folder organization and point creation to help users establish consistent CAD standards.

Key Topics:

- Carlson Software user interface and configuration

- Project and data folder setup
- Drawing templates and default settings
- Point creation, management and display customization

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This session was presented by Jennifer DiBona on 05/06/2021.