Surfaces, Grading & Volumes in Carlson Software

A Virtual Webinar Using Carlson Software – Learn surface grading and volume workflows

This webinar introduces users to Carlson Software's tools for creating, grading and analyzing surface models in civil, survey, takeoff and construction applications. It includes step-by-step training on building TIN surfaces, designing pads, computing cut/fill volumes, balancing earthwork and integrating multiple grading models.

Key Topics:

- Building and editing surfaces (TIN files)
- Creating pads and daylight lines
- Calculating and balancing cut/fill volumes
- Merging surfaces and labeling elevations
- Working with polylines, text and 3D data in Carlson Civil

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

This session was presented by Jennifer DiBona on 02/03/2016.

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

A Virtual Webinar Using Carlson Software – Learn Carlson setup and point management

This introductory Carlson Software webinar covers general setup, configuration and point management in Carlson Survey and Civil, including defaults, templates, layer structures and point handling best practices. Jennifer DiBona walks through live demonstrations of configuration, project folder management, drawing setup and key workflows for new Carlson users.

Key Topics:

- Carlson configuration, builds and support
- Project folder structures and file management
- Drawing templates (DWT), layers and styles
- Point data handling, CRD files and Draw Locate
- Text scaling, LTScale, linework behavior and quick keys

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This session was presented by Jennifer DiBona on 02/01/2016.

Overview of Carlson CADnet

A Virtual Webinar Using Carlson CADnet – Learn to Convert PDFs and Scanned Plans to Linework

This Carlson CADnet webinar shows how to bring PDFs and scanned plans into CAD and turn them into usable line work. The session covers saving PDFs as TIFF images, scaling an image to real-world distances, heads-up digitizing of contours, building pads and spot elevations, merging plan sheets along match lines, comparing raster and vector PDFs and importing an architectural IFC (BIM) model and moving it to finished floor elevation.

Key Topics:

- Importing a PDF in CADnet and saving it as a TIFF image to insert as a raster image
- Scaling an image to real-world units with the Scale command’s Reference option and a graphic scale
- Heads-up digitizing of contours, building pads and spot elevations
- Merging raster plan sheets along match lines with Merge Raster Files and control points
- Vectorizing raster and vector PDFs into line work and cleaning it up
- Importing architectural IFC (BIM) files and moving the model to finished floor elevation

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This session was presented by Jennifer DiBona on 01/14/2016.

Taking a Survey Project from Field to Plotted Sheet

A Virtual Webinar Using Carlson Survey – Learn Field to Plotted Sheet Workflows

This webinar walks through the full process of managing a Carlson Survey project—from importing field data and establishing control points to building surfaces, writing legal descriptions and finalizing a plotted drawing. It provides a practical, command-level overview for surveyors seeking efficient project setup, data import and sheet production techniques in Carlson Survey.

Key Topics:

- Carlson Survey setup and configuration
- Importing field data and establishing control points
- Creating and adjusting points and drawings
- Deed files and legal descriptions
- Field-to-Finish automation and surface modeling
- Finalizing a plotted drawing

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This session was presented by Jennifer DiBona on 01/12/2016.

Intro to Carlson Software: Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn Carlson settings setup and points

This recorded webinar provides a detailed introduction to Carlson Software for new users, covering program configuration, default settings, project folder structures, drawing setup, point management and best practices for efficient CAD workflows. It also outlines how to access updates, customize templates and maintain consistent setup across projects.

Key Topics:

- Carlson Software configuration and setup
- Managing builds, updates and patches
- Setting default folders and project structures
- Drawing setup and scale management
- Point creation, import, editing and display customization
- Using IntelliCAD vs. AutoCAD environments

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This session was presented by Jennifer DiBona on 01/05/2016.

Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn Grading Tips and Tricks

This webinar provides hands-on grading tips and workflow efficiencies using Carlson Survey, Civil, Takeoff and Construction. It covers image importing, surface generation, pad design and useful commands for accurate terrain modeling and grading optimization in Carlson Software.

Key Topics:

- Building rough base maps using GIS imagery and elevation d ata
- Creating, clipping and merging terrain surfaces (TINs)
- Design Pad Template and balancing cut/fill calculations
- Generating contours, slope reports and color maps
- Elevating and labeling 3D polylines and building pads

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This session was presented by Jennifer DiBona on 12/09/2015.

Roadway Design with Carlson RoadNet

A Virtual Webinar Using Carlson RoadNet – Learn roadway design basics

This webinar provides a complete, step-by-step walkthrough of roadway design using Carlson RoadNet, covering surface creation, alignment and profile design, intersection management, cul-de-sacs and building-pad elevation. Attendees learn essential configuration, workflow and data-management practices that link linework with triangulated surfaces for efficient civil-site and subdivision design.

Key Topics:

- Carlson RoadNet configuration & object linking
- Surface creation from contours and triangulation
- Designing centerlines, profiles and templates
- Managing intersections, cul-de-sacs and networks
- Adding turn lanes via Template Point Centerlines
- Elevating building pads and lot lines using grading rules

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This session was presented by Jennifer DiBona on 12/08/2015.

Carlson Survey – Tips & Tricks

A Virtual Webinar Using Carlson Survey – Learn survey productivity tips

This recorded webinar from That CAD Girl covers powerful tips and tricks for using Carlson Survey, with demonstrations of commands shared across Carlson's civil and construction software lineup. Topics include data importing, surface modeling, field-to-finish workflows, profile generation and Google Earth integration.

Key Topics:

- Configuring Carlson Survey and enabling object linking
- Using Search Published Control and exporting to Google Earth
- Building and merging surfaces, shrink wrap entities and setting non-surface points
- Importing NED elevation data
- Generating profiles for roads, sewers and utility crossings
- Drawing, annotating and inspecting profiles

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This session was presented by Jennifer DiBona on 12/03/2015.

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

A Virtual Webinar Using Carlson Software – Learn setup configuration and points

This training webinar introduces new users to Carlson Software, focusing on configuration, project setup, drawing tools and point management. Participants learn how to establish consistent settings across projects, customize templates, manage coordinate files and apply best practices for field-to-finish workflows.

Key Topics:

- Carlson Software configuration and setup
- Project folder management methods
- Drawing and point file settings
- Layer templates and drawing scales
- Point attribute and symbol customization
- Tips for maintaining consistency across installations

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This session was presented by Jennifer DiBona on 12/01/2015.

Intro to Carlson Surfaces, Centerlines and Profiles

A Virtual Webinar Using Carlson Software – Learn surfaces centerlines and profiles

This webinar provides a step-by-step introduction to building surfaces, defining centerlines and creating profiles within Carlson Civil and Survey. It walks through key tools such as Shrinkwrap Entities, Triangulate & Contour, breaklines and object linking for effective design and modeling workflows.

Key Topics:

- Surface modeling fundamentals in Carlson Civil and Survey
- Using Shrinkwrap Entities and triangulation best practices
- Centerline creation, linking and stationing
- Generating and editing surface profiles and contours

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This session was presented by Jennifer DiBona on 11/11/2015.