Survey Project From Start to Finish

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

This Carlson Software training session walks users through the complete workflow of a survey project—from raw field data collection to creating a finalized plotted sheet. The session demonstrates importing points, deed entry, correlation, surface modeling, labeling and map preparation within Carlson Survey.

Key Topics:

- Importing and managing survey points
- Entering and editing deed descriptions
- Deed correlation and translation
- Field-to-Finish automation
- Building surface models and creating contours
- Inserting north arrows, legends, title blocks and exporting to Google Earth

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 01/11/2017.

Surfaces, Grading & Volumes in Carlson Software

A Virtual Webinar Using Carlson Software – Learn Surfaces Grading and Volumes

This recorded webinar provides a step-by-step tutorial on working with surfaces, grading and volume calculations in Carlson Software, focusing on both manual and automated workflows. It demonstrates practical field-to-finish modeling methods using Civil, Survey, Construction and Takeoff modules.

Key Topics:

- Creating and editing surfaces in Carlson Software
- Manual grading workflows
- Automated grading with Design Pad Template
- Volume computations
- Surface merging and daylight lines
- Modeling across Civil, Survey, Construction and Takeoff modules

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This session was presented by Jennifer DiBona on 12/14/2016.

Site Grading Project with Carlson Software

A Virtual Webinar Using Carlson Civil – Learn Site Grading Workflows

This webinar presents a detailed walkthrough of Carlson Civil's powerful 2D-to-3D data conversion tools, demonstrating how to elevate 2D polylines, design building pads, curbs, parking lots and create surface models. It serves as a training reference for engineers, surveyors and CAD professionals involved in civil design and site grading workflows.

Key Topics:

- Elevating 2D polylines to 3D using points, text and surfaces
- Building pad and parking lot grading with Carlson Civil
- Creating and editing 3D surfaces, contours and TINs
- Workflow optimization, slope control and vertex management

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This session was presented by Jennifer DiBona on 11/09/2016.

Overview of Material Calcs and Model Building

A Virtual Webinar Using Carlson Takeoff – Learn Material Calculation Workflows

This Carlson Software webinar guides users through performing material calculations and model building using the SiteNet (or Takeoff) menu. The session covers the complete workflow—from data cleanup and layer setup to defining surfaces, subgrades, topsoil calculations and generating detailed quantity reports.

Key Topics:

- Using Carlson Civil's SiteNet / Takeoff for modeling and material takeoff
- Converting spot elevations into points for 3D modeling
- Layer management for existing, design and other data
- Surface creation, subgrade definition and topsoil adjustment
- Quantity reports, cut/fill analysis and LandXML export

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

This session was presented by Jennifer DiBona on 10/11/2016.

Making Models from a Mess – Carlson Tools to Elevate 2D Drawings to 3D for staking or surface models

A Virtual Webinar Using Carlson Software – Learn 2D to 3D Model Cleanup

This webinar from That CAD Girl demonstrates Carlson Software workflows for transforming messy 2D CAD drawings into accurate, intelligent 3D site models. It covers drawing cleanup, elevation of linework, handling survey data and organizing project files for modeling, staking and material calculations.

Key Topics:

- Converting 2D drawings into 3D polylines for modeling
- Cleaning and consolidating CAD data from outside sources
- Setting elevations, points and slopes in Carlson Civil and Takeoff
- Managing drawing scale, coordinate systems and Xrefs
- Building accurate working drawings for staking and surface modeling

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This session was presented by Jennifer DiBona on 10/05/2016.

(little bit of) Surfaces, Centerlines and Profiles

A Virtual Webinar Using Carlson Software – Learn to Merge NED Surfaces and Draw Road, Sewer and Crossing Profiles

This webinar by That CAD Girl shows how to build and merge surfaces, create centerlines and draw profiles in Carlson Survey 2017. It covers checking field-to-finish data before triangulating, merging survey data with National Elevation Dataset terrain, linking polylines to centerline files and building existing ground, road, sewer and pipe crossing profiles on one grid.

Key Topics:

- Reviewing elevations with the 3D Viewer and Layer Inspector plus Shrink-Wrap Entities and non-surface points
- Triangulate and Contour settings, saved TRI settings files and Contour from TIN File
- Importing National Elevation Dataset (NED) data and merging TINs with Triangulation File Utilities
- Polyline to Centerline File with object linking, stationing, editing and centerline points for stakeout
- Profiles from a TIN with the profile editor, reference profiles and Draw Profile grid settings
- Road, sewer and pipe crossing profile types with K-value

vertical curves, manholes and on-grid labeling

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This session was presented by Jennifer DiBona on 09/07/2016.

More Surfaces – Volumes, Editing and Display Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn Surface Volume Editing Tips

This webinar delivers an in-depth tutorial on advanced surface modeling, volume calculation and visualization techniques in Carlson Civil. The session covers TIN file management, boundary drawing, merging surfaces, daylighting, balancing earthwork and exporting to LandXML for machine control workflows.

Key Topics:

- Working with Carlson TIN surface files
- Viewing, editing and merging surfaces
- Calculating and balancing earthwork volumes
- Surface inspection, slope analysis and color mapping
- LandXML export for interoperability and machine control

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

This session was presented by Jennifer DiBona on 07/12/2016.

Surface Modeling with the SiteNet & Takeoff Menus in Civil, Construction & Takeoff

A Virtual Webinar Using Carlson Takeoff – Learn SiteNet and Takeoff Menus

This Carlson Civil webinar demonstrates how to use the SiteNet and Takeoff menus for layer-based surface modeling and quantity takeoff. Jennifer DiBona walks participants through data preparation, layer organization, subgrade material definitions and topsoil handling using practical examples.

Key Topics:

- Using SiteNet and Takeoff for surface modeling and material takeoff
- Data preparation and layer organization
- Defining existing vs. design surfaces
- Subgrade material definitions
- Topsoil removal and replacement
- Generating volume reports

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

This session was presented by Jennifer DiBona on 05/10/2016.

Advanced Road Network Design with Carlson RoadNet

A Virtual Webinar Using Carlson RoadNet – Learn Advanced Road Design Workflows

This recorded webinar demonstrates advanced road network design methods using Carlson RoadNet 2017 (beta). Mark Long explains practical workflows for template setup, super-elevation, grading transitions, median breaks and template-point centerlines to manage complex roadway and drainage conditions.

Key Topics:

- Setting up Carlson RoadNet 2017 beta environment
- Super-elevation creation and adjustment per AASHTO standards
- Template transitions to minimize environmental impact
- Median breaks and template-series files
- Cross-sections and template-point centerline usage

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This session was presented by Mark Long on 04/20/2016.

Site Project Grading from Start to Finish

A Virtual Webinar Using Carlson Civil – Learn Carlson Site Grading Workflow

This webinar provides a practical walkthrough of a complete site grading project using Carlson Civil and related products. It demonstrates how to elevate polylines, create 3D data models, manage breaklines and daylight to existing ground to produce a finished grading surface.

Key Topics:

- Carlson Civil grading workflows
- Elevating polylines and using 3D data menus
- Creating building pads and curbs with slopes and offsets
- Surface triangulation, contouring and daylighting to existing grade

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 03/17/2016.