Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Learn to Create, Station and Label Centerlines and Profiles

This webinar demonstrates how to manually create and edit centerlines and profiles in Carlson Survey and Civil, and then automates those tasks using Carlson RoadNet. Participants learn configuration settings, linking logic, drawing options and complete design-to-contours processing for connected roads and cul-de-sacs.

Key Topics:

- Manual centerline and profile creation
- Carlson Configure and object linking settings
- Editing and stationing centerlines
- Generating and labeling profiles (existing, road, sewer, c rossing)
- Building and processing roads with Road Net (templates, in tersections, cul-de-sacs, quantities)

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 01/17/2017.

Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Learn to Create Centerlines and Profiles and Design Roads with RoadNet

This webinar by That CAD Girl provides a detailed walkthrough of creating centerlines, profiles and complete road networks in Carlson Civil. It demonstrates both manual methods and automated workflows using the Carlson RoadNet toolset for roadway design, grading and intersection management.

Key Topics:

- Creating and editing centerline and profile files
- Linking data through object linking and dynamic updates
- Designing roads and networks in Carlson RoadNet
- Building templates, intersections and cul-de-sacs
- Using reports for cut/fill and materials

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This session was presented by Jennifer DiBona on 09/13/2017.

3D Site Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Grade Pads and Lots and Analyze Cut and Fill

This Carlson webinar walks through practical techniques for 3D site grading in Carlson Civil and GIS. Participants learn how to build and manipulate surfaces, import imagery, design pads and roads, manage contours and compute volumes using both manual methods and semi-automated Carlson tools.

Key Topics:

- Building background images and surfaces (Esri ArcGIS / WMS / NED)
- Manual pad and lot grading with Design Pad Template
- Surface management, merging TINs, contouring and cut/fill analysis
- Elevation labeling, slope and volume reports for QA and presentation
- Road and lot design integration without full Road Network setup

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This session was presented by Jennifer DiBona on 03/23/2017.

Making Models From A Mess: Tools to Elevate 2D to 3D

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

This Carlson webinar shows how to turn messy 2D design drawings into workable CAD files for staking and surface modeling. Jennifer demonstrates LandXML and Civil 3D conversion options, Drawing Cleanup, Layer Inspector, contour elevation tools, spot-elevation conversion and practical 2D to 3D polyline workflows.

Key Topics:

- Working drawings for staking and surface modeling
- LandXML, Civil 3D and DWG conversion options
- Drawing Cleanup and Layer Inspector workflows
- Contour, curb line and building-pad elevation methods
- Spot elevations, nested blocks and Carlson points

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This session was presented by Jennifer DiBona on 04/07/2020.

Survey Project From Start to Finish

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

This webinar presents a full Carlson Survey project workflow for taking field observations from point import and drawing setup through deed work, surface modeling, annotation and final plotting. It demonstrates practical commands for CRD file creation, point grouping, deed correlation, Field-to-Finish-style redraws, contours, georeferenced imagery, sheet orientation, title blocks, scales and legends.

Key Topics:

- Carlson Survey project setup and point import
- Deed entry, processing and correlation
- Field coding, redraws and surface preparation
- Annotation, labels, imagery and sheet orientation
- Final plotting elements, scales, title blocks and legends

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This session was presented by Jennifer DiBona on 01/07/2019.

Survey Project From Start to Finish

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

This Carlson Software webinar demonstrates how to take a survey project from field to plotted sheet using Carlson 2020 with IntelliCAD. The session walks through point import, CRD and point groups, deed entry and correlation, Field-to-Finish, surface checks, Google Earth imagery, DVIEW Twist, annotation, title blocks and legends.

Key Topics:

- Point import, CRD files and point groups
- Deed entry, translation, rotation and deed correlation
- Field-to-Finish linework and surface preparation
- Surface checking, shrink-wrap boundaries and contouring
- Sheet orientation, annotation, title blocks and legends

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This session was presented by Jennifer DiBona on 08/05/2020.

Overview of Carlson Point Cloud Software

A Virtual Webinar Using Carlson Point Cloud – Learn Point Cloud Basic and Advanced Workflows

This webinar introduces Carlson Point Cloud through Steve Cummings's comparison of Point Cloud Basic and Point Cloud Advanced for processing photogrammetry and scan data. The session demonstrates practical workflows for cleaning clouds, extracting bare earth, creating TIN surfaces, registering scans, generating profiles and sections, creating solids and understanding which point-cloud tools fit common field and office needs.

Key Topics:

- Point Cloud Basic project setup and cloud management
- Photogrammetry cloud cleanup, bare-earth extraction and TIN creation
- Point Cloud Advanced scan registration and coordinate control
- Profiles, sections, feature extraction and solid modeling
- Carlson point-cloud product comparisons and follow-up training

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

This session was presented by Steve Cummings on 07/09/2020.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn Surface and Breakline Basics

This Carlson Software webinar introduces surface and breakline fundamentals for Carlson Survey, Carlson Civil, Carlson GIS and Takeoff users who need to build more reliable terrain models. The session demonstrates TIN creation, contouring, 3D polylines, Field-to-Finish breaklines, public elevation data, merged surfaces, 3D visualization and LandXML surface exchange.

Key Topics:

- Surface model setup and TIN creation
- Manual and automated breakline workflows
- Public elevation data and merged TIN files
- 3D surface visualization with aerial imagery
- LandXML and TIN-line surface sharing

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 06/09/2020.

Survey Project From Start to Finish

A Virtual Webinar Using Carlson Software – Complete a Survey Project from Field to Plotted Sheet

This webinar from *That CAD Girl* guides surveyors through a full Carlson Survey workflow—from importing field data to producing a plotted sheet. It demonstrates how to configure settings, import and process points, draw boundaries from deeds, build surfaces and prepare final deliverables.

Key Topics:

- Carlson Survey Configuration and Default Setup
- Point Import and Field-to-Finish Processing
- Entering and Editing Deed Descriptions (PDD Files)
- Deed Correlation, Alignment and Translation to Survey Data
- Surface Modeling, Shrink-Wrap Entities and Triangulation
- Annotating, Labeling and Producing Final Map Sheets

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

This session was presented by Jennifer DiBona on 01/15/2018.

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

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces and Calculate Quantities with SiteNet and Takeoff

This webinar provides a detailed walkthrough of using Carlson Civil's SiteNet and Takeoff menus for surface modeling, material quantities and construction takeoff workflows. It demonstrates how to clean up project layers, build existing and design surfaces and generate material and topsoil quantity reports efficiently .

Key Topics:

- Carlson Civil SiteNet and Takeoff workflows
- Layer organization for existing, design and other data
- Building surfaces and calculating material quantities
- Topsoil removal and replacement setup
- Reporting quantities, subgrade and volumes

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This session was presented by Jennifer DiBona on 05/23/2018.