Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Learn Centerlines and Profiles in RoadNet

This webinar introduces Carlson CAD users to the process of manually creating centerlines and profiles, then automating design using Carlson RoadNet. It walks through step-by-step examples, from building a surface and defining geometry to designing roads, sewer profiles and intersections with RoadNet tools.

Key Topics:

- Creating and editing centerlines (.CL files)
- Generating existing and proposed profiles (.PRO files)
- Building surfaces from contours and triangulations
- Road design with Carlson RoadNet (RDN workflow)
- Templates, intersections, cul-de-sacs and grading automation

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

This session was presented by Jennifer DiBona on 04/23/2019.

Taking a Survey Project from Field to Plotted Sheet

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

This webinar walks through the complete workflow of taking a survey project from raw field data to a finished plotted sheet using Carlson Survey. It covers importing points, managing coordinate files, deed entry, field-to-finish automation, surface generation and final sheet layout for professional deliverables.

Key Topics:

- Importing and managing survey points and coordinate files
- Entering and processing deed descriptions
- Using field-to-finish for automated drafting
- Building surfaces and contours
- Creating legends, title blocks and final plot sheets

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This session was presented by Jennifer DiBona on 01/21/2020.

Subdivision Roads & Lot Grading

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

This webinar demonstrates how to design subdivision roads and perform lot grading using Carlson Civil's Road Network and Grading tools. The session walks through building templates, setting profiles, elevating building pads and creating 3D surfaces for residential developments.

Key Topics:

- Carlson Road Network setup and configuration
- Creating and editing roadway templates
- Elevating building pads and lot lines
- Generating and refining proposed surfaces
- Practical grading techniques for subdivisions

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 08/25/2020.

Site Project Grading from Start to Finish

A Virtual Webinar Using Carlson Software – Learn to Complete Site Grading

This webinar demonstrates a complete site-grading workflow in Carlson Civil and IntelliCAD, from setting up surfaces and elevating building pads to creating 3D polylines, grading slopes and calculating earthwork volumes. It provides step-by-step instruction for converting 2D plans into accurate 3D models suitable for construction takeoff and design verification.

Key Topics:

- Carlson Civil / IntelliCAD setup and configuration
- Creating and editing 2D and 3D polylines for grading
- Building pads, curbs and pavement elevations
- Surface creation, triangulation and contour analysis
- Daylighting to existing ground and balancing cut/fill volumes

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

This session was presented by Jennifer DiBona on 07/14/2020.

Site Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Improve Site Grading

This webinar by That CAD Girl focuses on best practices for editing surfaces in Carlson Software, emphasizing the difference between temporary surface edits and permanent surface definition changes. The session includes demonstrations of triangulation, contouring, breaklines, non-surface points and field-to-finish workflows for accurate site grading models.

Key Topics:

- Editing surfaces vs. editing surface definitions
- Triangulation, contours and breaklines
- Tagging non-surface points and using field-to-finish
- Managing surface rebuilds and protecting edits
- Shrink-wrap boundaries and inclusion/exclusion areas

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This session was presented by Jennifer DiBona on 02/19/2020.

Overview of Carlson’s Point Cloud Manipulation Programs

A Virtual Webinar Using Carlson Software – Learn to Manipulate Point Clouds

This webinar provides a comprehensive overview of Carlson Software’s suite of point-cloud and photogrammetry tools, including Photo Capture, Precision 3D, Point Cloud (Basic and Advanced), Atlas Scan, Carlson Scan and Carlson Ops. Presenters demonstrate how these programs capture, process and analyze 3D data for surveying, mining and construction applications.

Key Topics:

- Carlson Photo Capture cloud processing workflow
- Precision 3D modeling, hydrology and feature-recognition tools
- Point Cloud Basic vs Advanced capabilities
- Atlas Scan registration and mesh creation
- Carlson Scan for underground void mapping
- Carlson Ops and Fix One real-time volumetric monitoring

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This session was presented by Steve Cummings, Tyler Faulkner, Ga vin Franklyne, Gordon Pollock and Julian Ruiseco on 10/08/2020.

Overview of Carlson Takeoff

A Virtual Webinar Using Carlson Software – Learn to Manage Takeoff Workflows

This webinar provides a comprehensive overview of Carlson Takeoff and the Takeoff Suite, explaining how construction and civil design professionals can use the software for estimating, modeling and quantity takeoffs. It covers product differences, pricing, module functions and step-by-step demonstrations of CAD Net, Construction, Geotech and Trench tools.

Key Topics:

- Carlson Takeoff vs Civil Suite capabilities
- CAD Net digitizing and PDF vectorization
- Drawing cleanup and elevation tools
- Model building for machine control and quantity reports

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This session was presented by Jennifer DiBona on 10/30/2020.

More Surfaces, Volumes, Editing and Display Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Improve Surface Volume Workflows

This webinar from That CAD Girl provides an in-depth demonstration of Carlson Civil's surface and volume modeling tools. It covers practical workflows for viewing, editing, merging and analyzing TIN files, as well as tips for grading, slope analysis and cut/fill reporting.

Key Topics:

- Working with Carlson TIN (triangulation) files
- Surface viewing, editing and boundary management
- Creating and comparing surfaces for grading and volume calculations
- Importing data from the National Elevation Dataset (NED)
- Cut/fill analysis, slope reporting and LandXML export

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This session was presented by Jennifer DiBona on 03/24/2020.

Drawing Cleanup for Model Building and Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Clean Up and Shrink Drawings for GPS and Machine Control

This webinar, hosted by That CAD Girl and presented by Walt Liles of Terrain Technology, provides an in-depth walkthrough of Carlson Software's Drawing Cleanup tools for preparing CAD files for construction staking and machine control modeling. The session covers best practices for reducing file size, cleaning DWGs, converting entities and managing layers to optimize performance in field applications.

Key Topics:

- Carlson Drawing Cleanup workflow and settings
- File size optimization for GPS and machine control
- Layer management and XREF handling
- Converting Civil 3D and LDD entities into Carlson formats
- Creating and exporting points for layout and staking

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

This session was presented by Walt Liles on 11/06/2020.

Survey Project From Start to Finish

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

This webinar provides a complete walkthrough of managing a survey project in Carlson Software—from initial setup and importing field data to creating surfaces, labeling and producing final deliverables. It demonstrates practical workflows, configuration tips and best practices for surveyors using Carlson Survey and Field-to-Finish tools.

Key Topics:

- Carlson Survey project setup and configuration
- Importing and managing point data (CRD, ASCII)
- Field-to-Finish processing and layer management
- Deed entry, correlation and legal description tools
- Surface creation, contouring and annotation
- Map finishing: legends, scales and title blocks

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This session was presented by Jennifer DiBona on 08/16/2018.