

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.

That CAD Girl

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CAD & Carlson Tips & Tricks

A Virtual Webinar Using Carlson Software – Improve CAD Workflows with Tips and Tricks

In this 2019 webinar, That CAD Girl's Jennifer DiBona demonstrated practical tips and advanced workflows for working with Carlson Software and AutoCAD. This session covered LandXML data exchange, 2D–3D conversions, layer management, and Carlson-specific utilities to improve drafting efficiency and interoperability.

Key Topics:

- LandXML export/import between Carlson and Civil 3D
- Point, surface, alignment, and profile management
- 2D to 3D polyline elevation workflows
- Handling drawings from other sources (architectural DWGs)
- Using Carlson's Layer Library for standards management

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This session was presented by Jennifer DiBona on 11/26/2019.

Basics of Annotation in Carlson Software

A Virtual Webinar Using Carlson Software – Improve Annotation Workflows

This Carlson Software webinar covers the fundamentals of annotation in Carlson CAD applications, including text height, scale configuration, symbol sizing, and managing text styles for consistent plotting. It also demonstrates hands-on examples using Auto Annotate, Area Labels, and Survey Text features for efficient labeling workflows.

Key Topics:

- Annotation and symbol size settings in Carlson
- Drawing setup: horizontal scale and plotted text height
- Creating and managing text styles (standard, simplex, Arial, TNR)
- Using Auto Annotate and annotation defaults
- Area labeling, point labeling, and Survey Text commands

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This session was presented by Jennifer DiBona on 04/29/2019.

Annotation in Carlson Software-the Basics

A Virtual Webinar Using Carlson Software – Learn Annotation Basics

This webinar introduces the fundamentals of handling annotation, text styles, and scaling within Carlson Software. Participants learn how to configure drawing setup, control plotted text sizing, manage point styles, and efficiently label drawings using Carlson's annotation tools.

Key Topics:

- Text styles and height management
- Drawing setup and horizontal scale configuration
- Auto Annotate and label customization

- Handling PTXT and linking objects
- Dynamic updates and annotation defaults

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This session was presented by Jennifer DiBona on 11/20/2019.

Advanced Field to Finish – Perfecting Coding & Creating Linework

A Virtual Webinar Using Carlson Software – Perfect Coding and Create Linework

This webinar provides a detailed walkthrough of advanced field-to-finish operations using Carlson Survey software. Jennifer DiBona demonstrates how to refine field coding, normalize point descriptions, and automate linework creation for efficient CAD mapping workflows.

Key Topics:

- Field-to-Finish principles and code optimization
- Creating and cleaning point descriptions
- Building and editing field-code (FLD) tables
- Polyline (2D/3D) creation and special codes in linework
- Bulk creation and spreadsheet editing of field codes
- Applying special codes (BEGIN, END, PC/PT, CLO, RECT, JOG, OFFSET, etc.)

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This session was presented by Jennifer DiBona on 08/12/2019.

The Very Basics of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn Field to Finish Basics

This webinar provides a beginner-level walkthrough of Carlson Software's Field to Finish feature, demonstrating how field descriptions and linework codes tie directly to CAD entities, layers, and symbols. Participants learn how to build and edit FLD files, manage point attributes, and improve consistency between field data and office drawings.

Key Topics:

- Overview and setup of *Field to Finish* (FLD) files
- Creation and use of field code definitions
- Managing layers, symbols, and point attributes
- Handling descriptive text, sizes, and special codes
- Carlson 2020 interface updates

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This session was presented by Jennifer DiBona on 12/19/2019.

Centerlines Profiles & Overview of RoadNet

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

This webinar introduces Carlson Software users to the creation and use of centerlines, profiles, and the RoadNet feature for roadway design. It walks through converting polylines to centerlines, creating and managing profile data, and building interconnected road networks using RoadNet tools.

Key Topics:

- Defining and linking centerlines and profiles in Carlson

- Manual vs. automated road design workflows
- Creating templates and using RoadNet for multi-road projects

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This session was presented by Jennifer DiBona on 04/19/2023.

Tips & Tricks in Carlson Civil

A Virtual Webinar Using Carlson Software – Learn to Improve Civil Workflows

This webinar provides an in-depth walkthrough of advanced productivity tools and hidden features in Carlson Civil, including Site Net, surface modeling, takeoff workflows, and profile utilities. It also covers pricing insights, training opportunities, and practical demonstrations for grading, topsoil calculations, and pipe depth summaries.

Key Topics:

- Carlson Civil Site Net and Takeoff functionality
- Surface modeling, subgrade, and topsoil workflows
- Profiles, best-fit tools, and labeling techniques
- Pipe depth summaries and slope analysis
- Converting spot elevations and data cleanup tips

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This session was presented by Jennifer DiBona on 10/13/2020.

Advanced Detention Pond Design

A Virtual Webinar Using Carlson Software – Learn to Create Surface Models

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, provides an in-depth walkthrough of advanced detention pond design using Carlson Civil Hydrology 2020. It covers watershed setup, pre- and post-construction modeling, rainfall data integration, and automated pond sizing and routing.

Key Topics:

- Defining watershed layers and runoff coefficients
- Using SCS and rational methods for hydrology modeling
- Integrating USGS soils and NOAA rainfall data
- Designing detention ponds with Carlson's 2020 tools
- Creating stage-storage and discharge files
- Configuring riser, barrel, weir, and orifice outlets
- Generating hydrographs and reports

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This session was presented by Mark Long on 03/12/2020.

What's So Special About Carlson's File Menu

A Virtual Webinar Using Carlson Software – Learn to Manage Project Files

This webinar explores the often-overlooked tools and workflows within Carlson Software's File menu. It demonstrates how to use the Start Page, Drawings Map, publishing tools, import/export options, and cleanup utilities to improve CAD efficiency and data exchange.

Key Topics:

- Carlson Start Page and Drawings Map
- File management and publishing to PDF
- Importing/exporting LandXML and Civil 3D data
- Carlson Community and data sharing
- Drawing cleanup, geolocation, and eTransmit

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This session was presented by Jennifer DiBona on 05/27/2020.