

# Cross-Sections for Roads Streams and Everything In- Between

## A Virtual Webinar Using Carlson Software – Learn to Create Cross Sections

This webinar, hosted by The CAD Girl team, features Mark Long demonstrating how to create and manage cross sections in Carlson Software for roads, streams, and other civil design applications. The session covers both automated workflows using RoadNet and manual methods for stream geometry and flood studies.

### Key Topics:

- Creating cross sections using Carlson RoadNet
- Manual cross section generation for streams and flood studies
- File management, settings, and labeling techniques in Carlson
- Integration with HEC-RAS for water surface elevation analysis

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

*This session was presented by Mark Long on 09/09/2021.*

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## **Creating and Maintaining CAD Standards with Tool Palettes**

### **A Virtual Webinar Using Carlson Software – Learn to Maintain CAD Standards**

This webinar, presented by Travis Maxwell and hosted by That CAD Girl, explores how to create and maintain CAD standards using tool palettes in Carlson and IntelliCAD. It covers practical

workflows, automation techniques, and scripting methods to improve consistency and productivity in CAD environments.

### **Key Topics:**

- CAD standards management using tool palettes
- Automating workflows with scripts and LISP
- Setting up reusable notes, layers, and blocks
- Troubleshooting and sharing palettes across teams
- Integrating Google Earth and LIDAR 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 Travis Maxwell on 11/18/2021.*

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# **Centerlines, Profiles & Overview of RoadNet**

## **A Virtual Webinar Using Carlson Software – Learn to Create Roadway and Utility Profiles**

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, provides an in-depth tutorial on using the Draw Profiles dialog box in Carlson Civil. The session covers

practical workflows for creating, managing, and optimizing roadway and utility profiles efficiently.

**Key Topics:**

- Carlson Civil Draw Profiles dialog box
- Roadway design and profile management
- Quick Profile and sewer/storm network integration

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*This session was presented by Jennifer DiBona on 11/08/2021.*

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# **Best Practices for Network Solutions with Carlson's GNSS RTK Systems**

## **A Virtual Webinar Using Carlson Software – Learn to Prepare CAD Files**

This webinar, hosted by That CAD Girl and presented by Walt Wiles of Terrain Technology, provides a detailed walkthrough of Carlson Software's drawing cleanup tools for preparing CAD files

used in model building and construction staking. The session covers file optimization, layer management, polyline conversion, and best practices for ensuring clean, efficient data transfer to field devices.

### **Key Topics:**

- Carlson Software drawing cleanup process
- File optimization and size reduction
- Converting and managing polylines, layers, and entities
- Preparing DWG files for machine control and staking
- Handling Civil 3D and architectural files

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*This session was presented by Doug Aaberg on 03/24/2021.*

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# **Annotation in Carlson Software-the Basics**

## **A Virtual Webinar Using Carlson Software – Learn to Standardize**

# Annotation

This webinar provides a foundational overview of annotation tools and settings in Carlson Software, focusing on text styles, scaling, and labeling techniques across modules. It demonstrates how to standardize annotation for consistent plotting and efficient drafting workflows.

## Key Topics:

- Text style management and configuration
- Annotation scaling and plotted size concepts
- Auto Annotate, area labels, and point text setup
- Managing offsets, leaders, and line/curve tables
- Practical annotation examples for survey and civil drawings

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*This session was presented by Jennifer DiBona on 10/18/2021.*

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# Basics of Road Design in Carlson Civil

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

This webinar, hosted by That CAD Girl and presented by Mark Long from Carlson Software, provides a comprehensive introduction to road design using Carlson Civil's Road Network tools. The session covers setup, configuration, template creation, and practical design workflows for roads, intersections, and cul-de-sacs.

## Key Topics:

- Introduction to Carlson Civil's Road Network (RoadNet)
- Setting up surfaces, templates, and profiles
- Creating intersections and cul-de-sacs
- Managing cross sections and earthwork quantities
- Tips for efficient road design workflows

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*This session was presented by Mark Long on 03/11/2021.*

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## Advanced Road Design in Carlson Civil

# A Virtual Webinar Using Carlson Software – Learn to Design Advanced Roads

This webinar, hosted by That CAD Girl and presented by Mark Long from Carlson Software, provides an in-depth demonstration of advanced road design techniques using Carlson Civil. The session covers super elevation setup, template transitions, and template point center lines for complex roadway and drainage design scenarios.

## Key Topics:

- Super elevation design and configuration in Carlson Civil
- Template transitions for slope and grading adjustments
- Template point center lines for knuckles, parking, and sidewalks
- Stream impact minimization and slope control
- Integration with hydrology and future webinars

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*This session was presented by Mark Long on 04/08/2021.*

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## Adv Field to Finish, Tree

# Surveys, Companion Codes and More

## A Virtual Webinar Using Carlson Software – Learn to Improve Field-to-Finish Workflows

This webinar, hosted by That CAD Girl and presented by Doug Oberg, explores advanced Carlson Field-to-Finish techniques to improve survey drafting efficiency. Topics include companion codes, fixed parameters, templates, and tree survey automation for faster, cleaner CAD workflows.

### Key Topics:

- Carlson Field-to-Finish advanced setup
- Companion codes for connecting linework and symbols
- Fixed parameters and templates for curb and pavement
- Tree survey automation and drip line visualization
- Efficiency improvements and real-world examples

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*This session was presented by Doug Aaberg on 04/22/2021.*

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# Introduction to Carlson Software – Settings Setup Configuration & Points

## A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This introductory Carlson Software webinar guides new users through configuring settings, templates, and point management in Carlson Survey and Civil modules. It covers installation defaults, project folder organization, drawing templates, and practical workflows for creating and editing points.

### Key Topics:

- Carlson Configure and default settings
- Project and data folder setup
- Drawing templates and DWT management
- Point creation, linking, and editing
- Help resources and version/build management

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*This session was presented by Jennifer DiBona on 01/06/2021.*

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# What is new in Carlson 2022?

## A Virtual Webinar Using Carlson Software – Learn What Is New in Carlson 2022

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, explores new features and improvements in Carlson 2022 software.

The session covers enhancements in IntelliCAD, dynamic blocks, text editing, grading tools, hydrology workflows, and integration with GIS and utility design systems.

### Key Topics:

- IntelliCAD 10.1 enhancements and dynamic block support
- New commands and text editing improvements
- Pad grading, lot elevation, and site design automation
- Integration with SiteNet, RoadNet, and HydroNet
- Custom drawing properties and tool palette customization
- GIS and QGIS workflows for shapefile management
- Stormwater and utility design updates

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*This session was presented by Travis Maxwell on 03/15/2022.*