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

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

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

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.

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 Aaberg, 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.

Drawing Templates and Overview of National CAD Standards NCS for Layers

A Virtual Webinar Using CAD – Learn to Set Up Drawing Templates and NCS Layer Standards

This Carlson Software webinar introduces drawing templates and the National CAD Standard layer structure for users who want more consistent survey and civil CAD drawings. It demonstrates Carlson-supplied DWT templates, company template customization, Carlson Layer Library workflows, linetype management, contour layer setup and reusable layout templates for title blocks and municipal detail sheets.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- National CAD Standard layer naming
- Carlson DWT drawing templates
- Carlson Layer Library and LA files

- Linetype and layer-property matching
- Reusable layout templates and detail sheets

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This session was presented by Jennifer DiBona on 04/13/2021.

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
- GIS and QGIS workflows for shapefile management
- Stormwater and utility design updates

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

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

Tools & Tricks For Converting Outside CAD Files

A Virtual Webinar Using Carlson Software – Learn to Convert Outside CAD Files

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a comprehensive walkthrough of best practices for converting and cleaning external CAD files for use in Carlson Software. It covers layer management, font and block cleanup, layer translation and troubleshooting performance issues in IntelliCAD versus AutoCAD.

Key Topics:

- Cleaning and optimizing external CAD files
- Managing layers, fonts and Xrefs
- Using layer translation tools and templates
- Handling blocks, line types and viewport colors
- Troubleshooting IntelliCAD performance issues

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This session was presented by Travis Maxwell on 04/13/2022.

The Very Basics of Carlson Field to Finish

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

This webinar introduces the fundamentals of Carlson's Field to Finish workflow, led by Doug Aaberg and hosted by That CAD Girl. It walks surveyors through setting up code tables, managing linework and automating drafting tasks to improve efficiency from field data collection to finished CAD drawings.

Key Topics:

- Introduction to Carlson Field to Finish setup
- Creating and editing code tables
- Managing linework, symbols and layers
- Using special codes and offsets
- Automating drafting and data processing

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have been AI-generated and may contain errors.

This session was presented by Doug Aaberg on 03/10/2022.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces with Breaklines and Shrink Wrap Boundaries

This webinar introduces the fundamentals of creating and refining surface models in Carlson Software, focusing on how to use points, breaklines and surface-editing tools to produce accurate terrain models. It covers best practices for data preparation, triangulation, contour generation and integrating external elevation data for design and visualization.

Key Topics:

- Preparing point and linework data for surface modeling
- Using Shrink Wrap Entities and Non-Surface point flags
- Building TIN surfaces and contours with Triangulate and Contour
- Creating and editing 3D breaklines
- Importing and merging external elevation data (NASA &

Google)
- Visualization tools (3D Viewer, Flyover, Image Draping)

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 02/09/2022.

Overview of Carlson Point Cloud

A Virtual Webinar Using Carlson Point Cloud – Learn to Process Point Cloud Data

This webinar provides an in-depth overview of Carlson Point Cloud, demonstrating how to import, clean and process point cloud data for surveying and CAD integration. Presenter Doug Aaberg walks through workflows using drone imagery, Photo Capture and Carlson's Point Cloud Basic and Advanced modules.

Key Topics:

- Importing and managing point clouds in Carlson
- Cleaning and processing data (Bare Earth extraction, noise removal)
- Creating surfaces, points and CAD drawings from

point clouds
- Using Photo Capture and GeoTIFF imagery
- Advanced tools for parking lot and color edge extraction

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

This session was presented by Doug Aaberg on 04/28/2022.

Introduction to RoadNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Create Road Networks

This webinar introduces Carlson RoadNet, focusing on fundamental setup, workflow and troubleshooting for creating road networks in Carlson Civil. The session covers drawing centerlines, setting templates, managing intersections and cul-de-sacs and integrating lot grading for subdivision design.

Key Topics:

- Carlson RoadNet basics and setup
- Drawing and orienting centerlines
- Templates, profiles and intersections
- Cul-de-sac design and troubleshooting

- Lot and pad elevation automation

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

This session was presented by Travis Maxwell on 07/20/2022.