Drawing Profiles

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
- Creating roadway profiles
- Creating utility profiles
- Managing and optimizing profiles
- Quick Profile
- Sewer and storm network integration

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 11/11/2021.

Drawing Cleanup for Model Building and Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Clean Up CAD Drawings

This webinar from That CAD Girl covers best practices for cleaning up CAD drawings before model building and construction staking using Carlson Software. Jennifer demonstrates step-by-step how to prepare, simplify and optimize drawings for accurate modeling and staking workflows.

Key Topics:

- Preparing and cleaning CAD drawings for modeling and staki ng
- Using Carlson’s Drawing Cleanup tool effectively
- Managing layers, entities and file conversions
- Handling elevations, contours and polyline optimization

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This session was presented by Jennifer DiBona on 06/23/2021.

Drawing Cleanup for Model Building and Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Fix Bad Elevations

This webinar, hosted by That CAD Girl and presented by Walt Liles 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 Walt Liles on 03/24/2021.

Deeds of Lots and Lots of Lots… Deed Entry, Legal Description Writer & More

A Virtual Webinar Using Carlson Software – Learn to Create Deeds and Lots

This webinar from That CAD Girl demonstrates how to use Carlson Survey tools for deed entry, lot creation and legal description writing. It covers practical workflows for entering deed calls, processing deed files, labeling lots, creating setbacks and automating subdivision layouts with Lot Network.

Key Topics:

- Entering and editing deed descriptions (PDD files)
- Using the Legal Description Writer
- Performing map checks and closure reports
- Creating and labeling lots, setbacks and areas
- Automating subdivisions with Lot Network

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This session was presented by Jennifer DiBona on 02/16/2021.

Cross-Sections for Roads Streams and Everything In-Between

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

This webinar, hosted by That CAD Girl, 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

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

Creating and Maintaining CAD Standards with Tool Palettes

A Virtual Webinar Using CAD – Learn to Maintain CAD Standards with Tool Palettes

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.

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:

- 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

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This session was presented by Travis Maxwell on 11/18/2021.

Creating & Using Points for Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Create Points for Staking

This webinar, hosted by That CAD Girl and presented by Walt Liles of Terrain Technology, demonstrates how to create and use Carlson Software points for construction staking. It covers CRD files, point numbering systems, layer management, exporting/importing points and practical field applications for survey and construction workflows.

Key Topics:

- Creating and managing Carlson CRD files
- Point numbering, descriptions and layers
- Using points for storm, sewer, water and layout staking
- Exporting/importing points between Carlson and Topcon
- Offsets, intervals and field data workflows

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This session was presented by Walt Liles on 04/21/2021.

Centerlines, Profiles & Overview of RoadNet

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

This webinar by That CAD Girl shows how to create centerlines, draw profiles and get started with RoadNet in Carlson Civil. It covers building and stationing centerline files, drawing profiles from a surface, using Input-Edit Profile for road and sewer designs with pipe crossings and labels and a RoadNet design with templates, subgrades, intersections and a merged final surface.

Key Topics:

- Creating centerline files from polylines and stationing alignments
- Reversing and editing alignments in the Centerline File Editor
- Drawing existing ground profiles from a surface and labeling the grid
- Input-Edit Profile for road PVIs, sewer pipes and pipe crossings
- RoadNet templates with pavement, subgrade and fill slopes
- T intersections, live cut and fill and merged road surfaces

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

Best Practices for Network Solutions with Carlson’s GNSS RTK Systems

A Virtual Webinar Using Carlson

Software – Learn to Get Accurate Results from GNSS RTK Networks

This webinar, hosted by That CAD Girl and presented by Doug Aaberg of Carlson Software, explores best practices for using GNSS RTK systems in network-based surveying workflows. It focuses on improving accuracy, efficiency and reliability when working with RTK solutions and network corrections and on using Carlson SurvNet for least squares adjustments.

Key Topics:

- GNSS RTK network accuracy and error management
- Using Carlson SurvNet for least squares adjustment
- Combining RTK and EDM data for improved survey precision
- Practical field techniques and error testing
- Workflow optimization for survey control and data integration

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This session was presented by Doug Aaberg on 03/25/2021.

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.