

Creating and Maintaining CAD Standards with Tool Palettes Recorded 11/18/2021

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.

Creating & Using Points for

Construction Staking

Recorded 4/21/2021

This webinar, hosted by That CAD Girl and presented by Walt Wiles 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

Recorded 11/8/2021

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.

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

Recorded 3/24/2021

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.

Annotation in Carlson Software-the Basics

Recorded 10/18/2021

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.

Basics of Road Design in Carlson Civil

Recorded 3/11/2021

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.

Advanced Road Design in Carlson Civil

Recorded 4/8/2021

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

Recorded 4/22/2021

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.

2021 Virtual Workshops 4-5

Traverse Adjustment & Best

Practices for Network Solutions

Recorded 12/14/21

This session from the 2021 Virtual Workshops series featured Doug from Carlson Software demonstrating advanced survey workflows using Carlson Survey and SurvCE/Carlson CNET. The training covered GPS vector processing, network adjustments, annotative text handling, and subdivision design using LotNet.

Key Topics:

- GPS and vector data processing in Carlson CNET
- Network adjustment and chi-square testing
- Annotative text and symbol scaling in CAD drawings
- LotNet for subdivision and parcel layout
- Troubleshooting survey data and configuration migration

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This session was presented by Doug Aaberg on 12/14/2021.

2021 Virtual Workshops 4-4

Traverse Adjustment, Best

Practices for Network Solutions Carlson GNSS RTK Systems

Recorded 12/14/21

This virtual workshop session, led by Doug Aaberg and hosted by That CAD Girl, provides a detailed walkthrough of Carlson Survey tools for performing traverse adjustments, compass rule balancing, and least squares network adjustments. The presentation includes practical demonstrations using real survey data, focusing on everyday workflows for field and office surveyors.

Key Topics:

- Carlson Survey's Edit Process Raw and Traverse Adjustment tools
- Compass Rule and Least Squares (SNET) adjustment methods
- Integrating RTK/GNSS data with EDM traverses
- Managing raw files, control points, and error tolerances
- Practical field and office workflows for survey accuracy

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This session was presented by Doug Aaberg on 12/14/2022.