

# Tips & Tricks in Carlson Software

## A Virtual Webinar Using Carlson Software – Build Project Templates and Standards

This webinar, part of the “Tips & Tricks in Carlson Software” series, features Travis demonstrating advanced table functionality in Carlson and IntelliCAD. The session covers linking data from CSV and Excel files, table editing, and dynamic data updates to improve design accuracy and efficiency.

### Key Topics:

- Creating and editing Carlson and IntelliCAD tables
- Linking tables to external data sources (CSV, Excel)
- Dynamic updates and data synchronization
- Table formatting, formulas, and field insertion
- Upcoming training sessions and workshops

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

*This session was presented by Travis Maxwell on 08/24/2023.*

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# That CAD Girl

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## **Tips & Tricks in Carlson Software**

### **A Virtual Webinar Using Carlson Software – Learn CAD Efficiency Tips**

This webinar, led by Travis Maxwell and hosted by That CAD Girl, covered advanced tips and tricks for Carlson Software users, focusing on CAD efficiency, data linking with Excel, template management, and IntelliCAD updates. The session demonstrated practical workflows for text handling, viewport

color overrides, data linking, and Lisp compatibility.

### **Key Topics:**

- Exploding text and managing fonts in CAD templates
- Using ETRANSMIT and project archiving for file sharing
- Linking Carlson tables with Excel spreadsheets
- Viewport color overrides and layer management in templates
- IntelliCAD 11.1 updates and tool palette enhancements
- Troubleshooting and adapting AutoLISP commands for IntelliCAD

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*This session was presented by Travis Maxwell on 09/12/2023.*

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# **Tips & Tricks in Carlson Software**

## **A Virtual Webinar Using Carlson Software – Learn CAD Efficiency Tips**

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, covered advanced tips and tricks in Carlson Software, focusing on text management, drawing cleanup, workspace

customization, and grading workflows. The session demonstrated practical commands and methods to improve efficiency and accuracy in daily CAD operations.

### **Key Topics:**

- Carlson Software text and MText management
- Drawing cleanup and Overkill command usage
- Creating and customizing workspaces and menus
- Swale design using 3D polylines and Pad Template tools

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*This session was presented by Travis Maxwell on 10/12/2023.*

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# **Web Feature Services with Carlson GIS**

## **A Virtual Webinar Using Carlson GIS – Learn Web Feature Services**

This webinar, hosted by That CAD Girl and presented by Travis, provides a detailed walkthrough of using web feature services (WFS) and web map services (WMS) within Carlson GIS. It demonstrates how to

access, import, and manage GIS data layers such as FEMA flood maps, USGS topo maps, wetlands, and soils data to create accurate base maps for civil and survey projects.

### **Key Topics:**

- Accessing and importing web feature and map services in Carlson GIS
- Integrating USGS, FEMA, wetlands, and soils data layers
- Setting coordinate projections and verifying grid alignment
- Using shape files and QGIS for supplemental GIS workflows
- Creating tool palettes for efficient project setup

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*This session was presented by Travis Maxwell on 05/24/2023.*

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## **Working With Sheet Sets**

### **A Virtual Webinar Using IntelliCAD – Learn Sheet Set Automation**

This webinar, presented by Travis Maxwell and hosted by That CAD Girl, provides a comprehensive walkthrough of using sheet sets

in IntelliCAD and AutoCAD. It covers setup, numbering, field management, and automation techniques to streamline large CAD projects.

### **Key Topics:**

- Creating and managing sheet sets in IntelliCAD
- Automating title block data with fields and LISP scripts
- Organizing large projects and publishing multi-sheet PDFs

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

*This session was presented by Travis Maxwell on 10/27/2023.*

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# **Stormwater Channel Design in Carlson Software**

## **A Virtual Webinar Using Carlson Software – Design Stormwater Channels**

This webinar, hosted by That CAD Girl and presented by Travis, provides a detailed walkthrough of stormwater channel design using Carlson Software. It covers hydraulic principles, channel stability analysis, and practical workflows for grading and modeling swales within Carlson Civil and Hydrology modules.

## Key Topics:

- Fundamentals of open channel hydraulics and design equations
- Using Carlson Software tools for channel and liner design
- Practical workflow for grading swales and calculating flow parameters
- Shear stress, velocity, and lining stability analysis
- Integration of hydrology tools for watershed and flow calculations

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*This session was presented by Travis Maxwell on 10/25/2023.*

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# Stormwater and Sewer As-builts the Quick and Easy Way

## A Virtual Webinar Using Carlson Hydrology – Create Stormwater Sewer As-Builts

This webinar, presented by That CAD Girl and Carlson Software's Travis, demonstrates a streamlined method for creating stormwater and sewer as-builts using Carlson Hydrology's

Storm/Sewer Network tools. The session walks through data import, surface creation, network setup, and profile generation to simplify as-built workflows for engineers and surveyors.

### **Key Topics:**

- Efficient workflow for storm and sewer as-builts
- Carlson Hydrology and Storm/Sewer Network setup
- Data import, 3D polylines, and profile generation
- Field-to-Finish integration and manual editing techniques
- Upcoming That CAD Girl training sessions

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*This session was presented by Travis Maxwell on 07/12/2023.*

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# **Site Project Grading from Start to Finish**

## **A Virtual Webinar Using Carlson Civil – Learn Site Project Grading**

This webinar provides a complete walkthrough of grading a site project using Carlson Civil, from initial setup and data preparation to creating surfaces and calculating volumes. It

demonstrates practical workflows for converting 2D linework into 3D models, managing elevation data, and producing accurate grading surfaces for construction and design.

**Key Topics:**

- 2D to 3D polyline conversion methods
- Building pad and curb grading techniques
- Surface modeling and volume calculations

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*This session was presented by Jennifer DiBona on 10/18/2023.*

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## **Process and Adjustments in the Edit-Process Raw Data Editor**

### **A Virtual Webinar Using Carlson Survey – Learn Raw Data Adjustments**

This webinar, led by Doug Oberg from Carlson Software, provides an in-depth walkthrough of processing and adjusting survey data using the Edit Process Raw Data Editor in Carlson Survey. Attendees learn how to manage raw data files, perform compass rule adjustments, handle GPS integration, and troubleshoot common field-to-office workflows.

## **Key Topics:**

- Using the Edit Process Raw Data Editor in Carlson Survey
- Managing RW5 raw data files and import formats
- Compass rule and angle balance adjustments
- Integration of GPS and total station data
- Troubleshooting, checkpoints, and reporting settings

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

*This session was presented by Doug Aaberg on 08/16/2023.*

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# **Overview of Carlson Field to Finish**

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

This webinar provides a detailed walkthrough of Carlson Software's Field to Finish feature, explaining how survey data collected in the field can be automatically processed into CAD drawings with appropriate layers, symbols, and linework. Participants learn how to create and manage FLD files, field codes, and special codes to streamline drafting

and surface modeling.

**Key Topics:**

- Field to Finish concepts and workflow
- Creating and editing FLD files and field codes
- Managing layers, symbols, and attribute layouts
- Using special codes for descriptions and linework
- Handling 2D vs 3D polylines and surface break lines

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*This session was presented by Jennifer DiBona on 05/10/2023.*