

# Introduction to Carlson Software – Settings Setup Configuration & Points Recorded 1/5/2023

This webinar provides a detailed introduction to Carlson Software, covering setup, configuration, and point management within the CAD environment. Trainer Travis Maxwell walks participants through interface customization, layer management, drawing setup, and importing survey data for surface modeling.

## Key Topics:

- Carlson Software interface and configuration
- Layer tools, toolbars, and drawing setup
- Importing and managing coordinate files and points
- Creating surfaces and contours
- Customizing templates and projections

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

*This session was presented by Travis Maxwell on 01/05/2023.*

---

# Using Point Cloud and Public LIDAR to produce existing terrain

## Recorded 7/9/2024

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, demonstrates how to use Carlson Point Cloud software with publicly available LiDAR data to create accurate existing terrain models. The session covers data acquisition, classification filtering, surface generation, and contour refinement techniques for civil and surveying applications.

### Key Topics:

- Downloading and managing public LiDAR data (USGS & state sources)
- Importing LAS/LAZ files into Carlson Point Cloud
- Classifying and filtering ground points
- Creating TIN surfaces and contours
- Managing point density and data reduction

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

This session was presented by Travis Maxwell on 07/09/2024.

---

# Tools To Design Stormwater Collection in Steep Terrain

## Recorded 6/27/2024

This Carlson Software webinar, led by Travis Maxwell, demonstrates how to use Carlson Hydrology tools to design stormwater collection systems in steep terrain. The session covers practical workflows for modeling swales, culverts, and drainage networks efficiently using Storm Network and related Carlson tools.

### Key Topics:

- Stormwater design in steep terrain
- Using Carlson Hydrology's Storm Network for swales and culverts
- Managing drainage areas and slope calculations
- Manning's equation and flow depth validation
- Stability checks and lining selection for mountain drainage

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

*This session was presented by Travis Maxwell on 06/27/2024.*

---

# Tips & Tricks in Carlson Software with Travis Maxwell Recorded 3/29/2024

This Carlson Software webinar, led by Travis, covers advanced troubleshooting and productivity techniques for Carlson and IntelliCAD users. Topics include managing fonts, handling Civil 3D files, using LISP routines, and optimizing stormwater design workflows.

## Key Topics:

- Managing formatted text and font overrides in IntelliCAD
- Converting and cleaning Civil 3D files for Carlson use
- Using LISP routines for text cleanup
- Low-density stormwater and ditch design techniques
- Productivity and troubleshooting best practices

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

*This session was presented by Travis Maxwell on 03/29/2024.*

---

# Tips & Tricks in Carlson

# Software

## Recorded 9/24/2024

This webinar, led by Travis Maxwell, explores advanced tips and tricks in Carlson Software 2025, focusing on RoadNet workflows, Civil 3D file conversion, and interface customization. Attendees learn practical methods to streamline grading, surface management, and toolbar configuration for more efficient design work.

### Key Topics:

- Customizing toolbars and commands in Carlson 2025
- Converting Civil 3D files for use in Carlson
- Managing dense TIN surfaces and reducing file complexity
- RoadNet 2025 features and workflow improvements
- Troubleshooting performance and memory issues

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

*This session was presented by Travis Maxwell on 09/24/2024.*

---

# Tips & Tricks in Carlson Software

# Recorded 8/30/2024

This Carlson Software webinar, hosted by That CAD Girl and presented by Travis Maxwell, covered advanced productivity techniques for Carlson CAD users. Topics included automating sheet indexes, importing Civil 3D drawings, creating and fitting profiles, and extracting usable data from DOT PDF plans.

## Key Topics:

- Automating sheet index creation with block attributes
- Converting and importing Civil 3D drawings into Carlson
- Creating and refining road profiles and centerlines
- Extracting linework and text from DOT PDF plans
- Troubleshooting MLeader background masks and template file behavior

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

*This session was presented by Travis Maxwell on 08/30/2024.*

---

# Tips & Tricks in Carlson Software

# Recorded 7/25/2024

This Carlson Software Tips & Tricks webinar, led by Travis Maxwell and hosted by That CAD Girl, explored advanced drafting and design techniques in Carlson 2024. Topics included dynamic arrays, labeling elevations, dynamic text linking, profile customization, and title block management for efficient civil design workflows.

## Key Topics:

- Dynamic arrays and grid creation
- Labeling elevations and using UCS for profiles
- Dynamic text and Excel-linked tables
- Profile drawing with cut/fill hatching and label boxes
- Title block automation and block data reporting

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

*This session was presented by Travis Maxwell on 07/25/2024.*

---

# Tips & Tricks in Carlson Software

## Recorded 6/5/2024

This Carlson Software webinar, hosted by That CAD Girl and presented by Travis Maxwell, explored advanced techniques and workflows in Carlson Civil and related tools. Topics included surface r

endering, QGIS integration, annotative CAD scaling, and the new parking lot design tool.

### **Key Topics:**

- Advanced surface modeling and rendering in Carlson Civil
- Integrating QGIS and DEM data for terrain modeling
- Annotative text and symbol scaling in CAD drawings
- Introduction to the Parking Lot Tool for grading and layout
- Workflow optimization and visualization techniques

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

*This session was presented by Travis Maxwell on 06/05/2024.*

---

# **Tips & Tricks in Carlson Software**

## **Recorded 4/25/2024**

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, covered advanced tips and tricks for Carlson Software users. Topics included Field-to-Finish setup, annotative text management, custom toolbars, and LotNet subdivision workflows to improve drafting and design efficiency.

## **Key Topics:**

- Field-to-Finish setup using spreadsheets
- Annotative text and scaling best practices
- Custom toolbar and LISP automation
- Text formatting cleanup and overrides
- LotNet for subdivision and lot numbering

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

*This session was presented by Travis Maxwell on 04/25/2024.*

---

# **Fast Track to Surface Modeling in Carlson Software – Session 2-3 Recorded 07/27/2023**

This session of the *FastTrack Surface Modeling* series demonstrates advanced Carlson Software road network design, including intersections, cul-de-sacs, turn lanes, and lot grading automation. The instructor walks through practical workflows for building, editing, and processing road networks while explaining how Carlson dynamically manages profiles, templates, and surfaces.

## **Key Topics:**

- Creating and editing roads within Carlson Road Network

- Managing intersections, cul-de-sacs, and roundabouts
- Using templates, profiles, and grading settings
- Elevating pads and lots for building sites
- Generating surfaces, contours, and quantity reports

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

This session was presented by Jennifer DiBona on 07/27/2023.