

Tools To Design Stormwater Collection in Steep Terrain

A Virtual Webinar Using Carlson Software – Learn to Design Stormwater Collection

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.

That CAD Girl

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Tips & Tricks in Carlson Software with Travis Maxwell

A Virtual Webinar Using Carlson Software – Learn to Improve Productivity Workflows

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

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

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Improve RoadNet Workflows

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

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

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Improve CAD Productivity

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

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

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Improve Drafting Workflows

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

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

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Optimize Civil Workflows

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 rendering, 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

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

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Improve Drafting Workflows

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

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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

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

Fast Track to Surface Modeling in Carlson Software – Session 2-2 Recording 07/27/2023

This Carlson Software training webinar continues the Fast Track Surface Modeling series, focusing on advanced grading, 3D polyline editing, and surface modeling workflows. The session demonstrates practical tools for curb, sidewalk, and parking lot design, as well as road network setup and volume calculations.

Key Topics:

- 3D polyline elevation editing and grading
- Creating and adjusting curb, sidewalk, and parking lot surfaces
- Using Carlson's "Points by Slope" and "2D to 3D Polyline" tools
- Building and merging surface models

- Road Network (RoadNet) setup and template creation

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

Fast Track to Surface Modeling in Carlson Software – Session 2-1

Recorded 7/27/23

This advanced Carlson Software training session covers surface modeling workflows, LandXML data exchange, pad grading, and volume calculations. Participants learn practical grading and modeling techniques for civil and survey projects using Carlson Civil and Survey modules.

Key Topics:

- LandXML export/import and data archiving
- Pad grading and daylight projection
- Volume calculations and balancing
- Surface merging and cut/fill analysis
- Stockpile volume computation

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