Stormwater Spread Calculations using Storm Networks

A Virtual Webinar Using Carlson Hydrology – Calculate Stormwater Spread with Storm Networks

This webinar explains how Carlson users can calculate stormwater spread in Storm Networks by understanding gutter spread, inlet capture, sag conditions and bypass flow. Travis Maxwell demonstrates practical setup choices for inlet libraries, watershed delineation, centerline-based inlet placement, drainage settings and reports so designers can review spread results more confidently.

Key Topics:

- Stormwater spread and inlet capture fundamentals
- Carlson inlet library setup for grade and sag conditions
- Gutter depression, curb openings and combination inlets
- Watershed delineation and surface preparation
- Bypass routing, reporting and network verification

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

This session was presented by Travis Maxwell on 03/15/2023.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn Surfaces and Breaklines Basics

This webinar provides a step-by-step introduction to creating and refining surface models in Carlson Software. It covers Essential workflows for checking elevations, defining boundaries, using breaklines and merging terrain data from multiple sources.

Key Topics:

- Surface modeling fundamentals in Carlson Survey and Civil
- Using breaklines and shrink-wrap boundaries
- Field-to-Finish automation and non-surface point managemen t
- Importing and merging Google Earth and NED elevation data

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

This session was presented by Jennifer DiBona on 02/16/2023.

Survey Project from Field to Plotted Sheet

A Virtual Webinar Using Carlson Survey – Create a Plotted Survey Sheet

This webinar demonstrates how to take a survey project from raw field data to a finished plotted sheet using Carlson Survey 2023. The session covers importing points, configuring settings, creating boundaries, aligning deed data, building surfaces and producing final annotated drawings.

Key Topics:

- Carlson Survey 2023 workflow setup
- Importing and managing point files (control, topo)
- Deed entry, alignment and correlation
- Field-to-Finish automation
- Surface creation, contouring and plotting

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

This session was presented by Jennifer DiBona on 09/14/2023.

The Power of Tool Palettes

A Virtual Webinar Using CAD Software – Learn Tool Palette Automation

This webinar, presented by Travis Maxwell and hosted by That CAD Girl, explores how CAD professionals can use tool palettes to standardize drafting practices, automate repetitive tasks and improve team consistency. The session covers using a standards drawing as the palette source, building buttons with macros and scripts and sharing palettes across teams for efficient project workflows.

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:

- Using a shared standards drawing as the tool palette source
- Turning multileader notes into blocks for standard callouts
- Single-line macros, LISP and script files on palette buttons
- Line tools that set layer, linetype and scale
- Recorded settings and hyperlinks to design standards
- Organizing, exporting and sharing palette groups

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

This session was presented by Travis Maxwell on 08/30/2023.

The Ultimate Project Template

A Virtual Webinar Using CAD – Learn to Build a Project Template with CAD Standards

This webinar, hosted by That CAD Girl and led by trainer Travis Maxwell, provides a comprehensive walkthrough of creating and managing an “Ultimate Project Template” in Carlson and IntelliCAD. It covers CAD standards, template setup, line type scaling, paper space vs. model space and advanced sheet management for survey and civil projects.

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:

- Setting up and customizing Carlson/IntelliCAD templates
- Understanding LT Scale, PSLT Scale and MSLT Scale
- Paper space vs. model space best practices
- Viewports, legends and line type scaling
- Civil vs. survey template differences

- Sheet sets, plotting and CAD standards management

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This session was presented by Travis Maxwell on 02/15/2023.

Tips & Tricks in Carlson Software

A Virtual Webinar Using Carlson Software – Learn Tips and Tricks for Tables

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 and Excel)
- Dynamic updates and data synchronization

- Table formatting, formulas and field insertion
- Exporting tables for reports and plan sheets

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

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

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 Intelli CAD

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

2023 Virtual Workshop: Session #4-4 Overview of Carlson CADnet, SiteNet & Takeoff

A Virtual Workshop Using Carlson Takeoff – Calculate Site Volumes and Verify Surfaces

This Carlson Software virtual workshop demonstrates how to import PDF plans into CADnet, distinguish raster and vector content, merge images, calibrate plan scales and digitize contours, pads and spot elevations. It then explains how to

clean engineering drawings for SiteNet, organize existing and proposed features, configure layer targets and define takeoff quantities and subgrade materials.

Key Topics:

- CADnet PDF import, image processing and raster-to-vector limitations
- Plan image merging, scale calibration and digitizing
- Working-drawing cleanup for estimating and model development
- SiteNet target layers, surface eligibility and TRG settings

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This session was presented by Jennifer DiBona on 12/06/2023.

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.

2023 Virtual Workshop: Session #4-3 Overview of Carlson CADnet, SiteNet & Takeoff

A Virtual Workshop Using Carlson Takeoff – Prepare Drawings for Site

Quantities

This virtual Carlson Software workshop demonstrates advanced SiteNet workflows for calculating material and dirt quantities, managing topsoil removal and replacement and performing drawing cleanup and 2D-to-3D data conversion. The session provides practical guidance for preparing accurate takeoff models and cleaning complex CAD drawings for construction and civil design.

Key Topics:

- Carlson SiteNet volume and material reports
- Topsoil removal and replacement setup
- Surface Inspector and Surface Tools
- 2D-to-3D Polyline conversion methods
- Drawing Cleanup and Layer Management
- LandXML export and machine control files

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This session was presented by Jennifer DiBona on 12/06/2023.