Importing Publicly Available Lidar for Surface Creation

A Virtual Webinar Using Carlson Software – Learn to Import Publicly Available LiDAR for Surface Creation

This webinar, led by Travis Maxwell and hosted by That CAD Girl, demonstrates how to import and process publicly available LiDAR data to create accurate surface models in Carlson Software. Attendees learned step-by-step methods for downloading, filtering and converting LiDAR datasets using LAS tools and Carlson's surface modeling features.

Key Topics:

- Downloading LiDAR data from the USGS National Map and state repositories
- Using LAS Tools to preprocess and filter LiDAR point clouds
- Creating surfaces and contours in Carlson Software
- Managing precision and file size for optimal performance
- Legal and practical considerations for using public LiDAR data

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

This session was presented by Travis Maxwell on 04/12/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #1-2

Video for this session is not available.

Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Learn RoadNet Centerlines and Profiles

This webinar introduces Carlson Software users to the creation and use of centerlines, profiles and the RoadNet feature for roadway design. It walks through converting polylines to centerlines, creating and managing profile data and building interconnected road networks using RoadNet tools.

Key Topics:

- Converting polylines to centerlines
- Defining and linking centerlines and profiles in Carlson
- Creating and managing profile data
- Manual vs. automated road design workflows
- Creating templates
- Using RoadNet for multi-road projects

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 04/19/2023.

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

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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 have 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.