

2020 Virtual Workshop 3-6 Hot New Features in Carlson 2021 Recorded 12/17/2020.

This virtual workshop session showcased new and enhanced features in Carlson 2021 software, focusing on Survey, Civil, and CADNet modules. Presenter Scott Griffin demonstrated dynamic point attributes, BIM/Revit file integration, road network improvements, and advanced parking design tools for surveyors and engineers.

Key Topics:

- Dynamic Point Attributes in Survey module
- BIM/Revit file import and manipulation in CADNet
- Road Network enhancements including hammerhead cul-de-sacs
- New Parking Network and design tools
- Handicap and layout customization features

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

This session was presented by Scott Griffin on 12/17/2020.

2020 Virtual Workshop 3-8 Utility Network Design in

Carlson Hydrology

Recorded 12/17/2020.

This virtual Carlson Software workshop, led by Mark Long, provided an in-depth demonstration of detention pond design, hydrology analysis, and utility network creation within Carlson Civil and Hydrology. The session covered practical workflows, design parameters, and troubleshooting tips for stormwater management and utility modeling.

Key Topics:

- Detention pond design and hydrology setup
- Rainfall data integration and hydrograph generation
- Outlet structure configuration (riser, orifice, weir)
- Utility network creation and pipe crossing management
- Troubleshooting and Q&A with developers

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This session was presented by Mark Long on 12/17/2020.

Using Carlson Hydrology for Sanitary and Utility Design

A Virtual Webinar Using Carlson Software – Learn to Design Sanitary Sewer Networks

This webinar demonstrates how to use Carlson Hydrology for sanitary sewer and utility network design. Mark Long walks through setting up sewer network parameters, creating SEW files, importing polylines, and managing profiles and laterals for efficient civil design workflows.

Key Topics:

- Setting up sanitary sewer and utility networks in Carlson Hydrology
- Sewer network settings, parameters, and design criteria
- Importing 2D polylines to create networks
- Editing profiles, slopes, and manholes
- Creating and managing laterals and cleanouts

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This session was presented by [speaker(s)] on 07/08/2021.

Surfaces and Breaklines – the

Basics

A Virtual Webinar Using Carlson Software – Learn to Build Accurate Surfaces

This webinar introduces the foundational concepts of surface modeling and breaklines in Carlson Civil and Takeoff. It covers how to prepare data, build accurate surfaces, use breaklines effectively, and avoid common pitfalls when working with contours and triangulated irregular networks (TINs).

Key Topics:

- Surface modeling fundamentals in Carlson Civil/Takeoff
- Using 3D Viewer and Shrink Wrap Entities
- Managing non-surface points and breaklines
- Field-to-Finish automation
- Combining and exporting surface data

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This session was presented by Jennifer DiBona on 01/19/2021.

Practical LotNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Subdivision Layouts

This webinar, hosted by That CAD Girl and presented by Mark Long, provides a detailed walkthrough of Carlson Software's LotNet tools for practical subdivision layout design. The session covers setup, configuration, and efficient workflows for creating, labeling, and adjusting residential lots using Carlson's automation features.

Key Topics:

- Practical use of LotNet for subdivision design
- Setting up boundaries, right-of-way, and lot edges
- Automating lot labeling, numbering, and setbacks
- Adjusting lot layouts and cleaning linework
- Tips for efficient and profitable subdivision planning

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This session was presented by Mark Long on 10/14/2021.

More Surfaces: Volumes, Editing & Display Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Analyze Surface Volumes

This webinar, hosted by That CAD Girl, provides an in-depth walkthrough of Carlson Software's surface modeling tools, including creating, editing, and analyzing surfaces, volumes, and contours. Jennifer demonstrates practical workflows for managing TIN files, comparing surfaces, and visualizing data in 3D for civil and survey applications.

Key Topics:

- Working with TIN files and surface visualization
- Creating and editing surfaces, contours, and boundaries
- Volume calculations and cut/fill analysis
- Integrating GIS and elevation data
- Practical Carlson Civil and Survey tips

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This session was presented by Jennifer DiBona on 10/12/2021.

Making the Most of Carlson's LotNet

A Virtual Webinar Using Carlson Software – Learn to Design Subdivisions

This webinar, hosted by That CAD Girl and presented by Doug Oberg from Carlson Software, demonstrates practical ways to use Carlson LotNet for efficient lot layout and subdivision design. The session covers both simple and complex land division workflows, emphasizing real-world applications and problem-solving within the software.

Key Topics:

- Introduction to Carlson LotNet and setup basics
- Creating and editing lot boundaries and right-of-way lines
- Automating lot subdivision and labeling
- Integrating road networks and cul-de-sacs
- Troubleshooting and real-world design challenges

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ve been AI-generated and may contain errors.

This session was presented by Doug Aaberg on 06/24/2021.

2020 Virtual Workshops Session 3-7 Sanitary Sewer Design in Carlson Hydrology Recorded 12/17/2020.

This Carlson Software virtual workshop, led by hydrology expert Mark Long, provides an in-depth walkthrough of storm and sanitary sewer design using Carlson Hydrology tools. The session covers watershed setup, pipe network creation, stormwater management, and integration with CAD surfaces for accurate drainage modeling.

Key Topics:

- Setting up watershed layers and runoff coefficients
- Designing storm sewer networks and detention ponds
- Creating and editing sanitary sewer systems
- Using Carlson Hydrology's network, drainage, and profile tools
- Managing surfaces, rainfall data, and hydraulic grade lines

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This session was presented by Mark Long on 12/17/2020.

2020 Virtual Workshops Session 3-5 Tips & Tricks in CAD & Carlson Software Recorded 12/17/2020.

This virtual workshop, led by That CAD Girl, covers practical CAD and Carlson Software tips and tricks for surveyors, engineers, and CAD technicians. The session demonstrates workflows for merging raster images, using Field to Finish, managing polylines, cleaning drawings, and creating reusable title block templates.

Key Topics:

- CADNet raster merging and image handling
- Field to Finish setup and automation
- Polyline editing and boundary creation
- Drawing cleanup and block management
- Title block templates and layout management
- Converting spot elevations to Carlson points
- Line type customization and text rotation

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This session was presented by Jennifer DiBona on 12/17/2020.

2020 Virtual Workshops Session 3-4 Steve Cummings showing Carlson Point Cloud in our Virtual Booth, Recorded 12/17/2020

This bonus session from the 2020 Virtual Workshops focuses on Carlson Point Cloud software, demonstrating how to import, clean, and process point cloud data to create usable terrain models. Steve Cummings and David Kraus walk through workflows, performance considerations, and practical tips for handling large LIDAR datasets in Carlson Civil.

Key Topics:

- Importing and visualizing point clouds in Carlson Point Cloud
- Differences between Basic and Advanced versions
- Creating bare earth models and TIN surfaces
- Managing large datasets and optimizing performance
- Workflow for civil site studies using LIDAR and aerial data

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This session was presented by Jennifer DiBona on 12/17/2020.