

2024 Virtual Workshops – Session #1-4 Recorded 11/9/2024

This Carlson Software virtual workshop, led by Mark Long, provided an in-depth overview of civil design and hydrology workflows using Carlson Civil and Hydrology modules. The session covered surface modeling, roadway design, storm drainage, and sanitary sewer network creation, highlighting practical tools and new features in the 2025 release.

Key Topics:

- Civil design fundamentals and surface modeling
- RoadNet and roadway profile creation
- Hydrology and storm sewer network setup
- Sanitary sewer design automation
- Integration of pre- and post-construction surface models

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

This session was presented by Mark Long on 11/19/2024.

2024 Virtual Workshops –

Session #1-3

Recorded 11/19/2024

This Carlson Software virtual workshop focused on using Carlson Point Cloud and Photo Capture tools to process drone and LiDAR data for surveying and mapping. Doug demonstrated workflows for creating, cleaning, classifying, and extracting data from point clouds to produce accurate surfaces, contours, and CAD deliverables.

Key Topics:

- Carlson Photo Capture (cloud and standalone versions)
- Importing and managing LAS point cloud data
- Bare Earth filtering and classification
- Creating coordinate points, polylines, and surfaces
- Automated feature extraction (curbs, parking lines, paint stripes)
- Integration with CAD and field-to-finish workflows

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This session was presented by Doug Aaberg on 11/19/2024.

Intro to Carlson Software- Settings, Setup, Configuration

& Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This webinar introduces new and intermediate users to Carlson Software's desktop environment, focusing on configuration, default settings, data folder organization, and point management. Jennifer DiBona walks through practical setup steps, template creation, and troubleshooting tips to improve workflow efficiency in Carlson Survey and related modules.

Key Topics:

- Carlson Software interface overview (menus, ribbons, toolbars)
- Default settings and configuration (Carlson Configure)
- Data folder structures and project organization
- Template creation and management
- Importing and managing points (CRD files)
- Text styles and display settings

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This session was presented by Jennifer DiBona on 05/02/2024.

2024 Virtual Workshops – Session #1-2 Recorded 11/19/2024

This virtual workshop, led by Doug Oberg of Carlson Software, provided a detailed walkthrough of the Carlson GIS module, demonstrating how to import, manage, and utilize public GIS data within Carlson Survey and Civil. The session also covered creating GIS feature files, collecting field attributes, and integrating imagery and LIDAR data to enhance survey projects.

Key Topics:

- Importing and configuring GIS data in Carlson Survey and GIS modules
- Creating feature and database files for attribute collection
- Using public data sources (MassMapper, NOAA LIDAR, FEMA, soils, wetlands)
- Labeling and managing GIS attributes in drawings
- Integrating Google Earth and GeoMap imagery
- Field data collection with Carlson SurvPC and Field-to-Finish setup

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This session was presented by Mark Long on 11/19/2024.

2024 Virtual Workshops – Session #1-1 Recorded 11/19/2024

This session kicked off the 2024 Virtual Workshops hosted by That CAD Girl, providing an introductory overview of Carlson Software and its CAD environments. The training covered setup, configuration, data management, and practical demonstrations of key Carlson tools for survey, civil, and land development workflows.

Key Topics:

- Carlson Software overview and interface setup
- IntelliCAD vs. AutoCAD platform options
- Managing configuration and project folders
- Importing Civil 3D and LandXML data
- Deed entry, lot layout, and subdivision design
- Field-to-Finish workflows and surface modeling

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This session was presented by Jennifer DiBona on 11/19/2024.

Introduction to Carlson Software – Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This introductory Carlson Software webinar provides a comprehensive walkthrough of configuring settings, managing data folders, creating templates, and working with points in Carlson 2024. Participants learn how to customize their CAD environment, optimize project organization, and apply consistent standards across drawings.

Key Topics:

- Carlson Software interface and configuration setup
- Managing data folders, templates, and default settings
- Importing and editing points in Carlson CAD environment

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This session was presented by Jennifer DiBona on 04/02/2024.

Intro to Carlson Software: Settings, Setup, Configuration and Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This webinar introduces new Carlson Software users to first-month setup tasks, common menus, help resources, licensing and download checks, Carlson Configure, drawing templates, and point workflows. It demonstrates practical configuration choices for project folders, object linking, CFG backups, DWT customization, CRD creation, point import, annotation scaling, and everyday point editing.

Key Topics:

- Carlson Configure and global setup
- Project folder strategies and object linking
- DWT templates, layers, linetypes, and PTXT text style
- CRD files, point import, and Draw Locate Points
- Point defaults, annotation scale, and point history

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This session was presented by Jennifer DiBona on 01/05/2024.

Grading Tips & Tricks in Carlson Software

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

This webinar provides a comprehensive walkthrough of grading workflows in Carlson Software, focusing on site grading, building pads, retaining walls, and surface modeling. Attendees learn practical tips for using Carlson Civil and related modules to efficiently create, edit, and balance grading designs.

Key Topics:

- Building pad creation and elevation methods
- Using 3D Polyline Offset, Design Pad Template, and Surface Inspector
- Volume calculations and cut/fill color maps
- Retaining wall modeling and surface merging
- 2D-to-3D Polyline conversion and labeling techniques

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This session was presented by Jennifer DiBona on 05/22/2024.

Features of Carlson Survey & Civil: Setting Points and Stakeout

A Virtual Webinar Using Carlson Software – Learn to Manage Points for Stakeout

This webinar, hosted by That CAD Girl, explores advanced features in Carlson Survey and Carlson Civil for creating, managing, and staking out points. The session demonstrates practical workflows for field-to-finish code usage, point creation from entities, and interpolation tools to streamline survey and design tasks.

Key Topics:

- Field-to-Finish (FLD) file setup and usage
- Point creation, configuration, and linking behavior
- Creating points from entities and GIS data
- Building offsets, envelopes, and interpolation methods

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This session was presented by Jennifer DiBona on 01/11/2024.

Dynamic Blocks for the Engineer and Surveyor

A Virtual Webinar Using IntelliCAD – Learn to Create Dynamic Blocks

This webinar, *Dynamic Blocks for the Engineer and Surveyor*, presented by Carlson CAD Solutions, provides an in-depth tutorial on creating and using dynamic blocks in IntelliCAD 12.1. The session covers setup, parameters, actions, and advanced applications for engineers and surveyors seeking to streamline CAD workflows.

Key Topics:

- Introduction to Dynamic Blocks in IntelliCAD 12.1
- Creating and customizing toolbars for block editing
- Using parameters, actions, and visibility states
- Associative hatching and dimensioning
- Practical engineering applications (e.g., outlet structures, scale bars)

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This session was presented by Travis Maxwell on 10/23/2024.