

# 2024 Virtual Workshops – Session#3-1 Recorded 12/10/2024

This virtual training session, led by Carlson Software expert Doug Oberg, provided an in-depth walkthrough of the Field to Finish feature in Carlson Survey. Attendees learned how to automate drafting from field data, manage code tables, apply special codes, and streamline survey workflows from data collection to finished CAD drawings.

## Key Topics:

- Introduction to Carlson Field to Finish
- Creating and editing code tables
- Using special codes (begin, end, PC/PT, jog, rectangle, jog in point number)
- Managing layers, linework, and symbols
- Handling point groups and reprocessing efficiency
- Q&A on practical field coding and data management

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

This session was presented by Doug Aaberg on 12/10/2024.

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## Introduction to Carlson

# Software – Settings, Setup, Configuration & Points Recorded 8/6/2024

This webinar introduces new and existing Carlson Software users to key setup and configuration concepts, including interface customization, data folder management, drawing templates, and point handling. Jennifer DiBona demonstrates how to optimize Carlson 2025 for efficient project organization and consistent CAD standards.

## Key Topics:

- Carlson 2025 installation and interface overview
- Configuration of general, project, and drawing settings
- Creating and customizing drawing templates (DWT files)
- Managing points, coordinate files, and text styles

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*This session was presented by Jennifer DiBona on 08/06/2024.*

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# 2024 Virtual Workshops – Session #2-4 Recorded 11/20/2024

This advanced Carlson Software workshop covered 2D-to-3D conversion tools, drawing cleanup, and CADnet functions for converting and merging raster and vector PDFs. Attendees learned practical workflows for elevating contours, creating 3D polylines, digitizing plans, and integrating geotechnical data into construction modeling.

## Key Topics:

- Carlson Civil and Takeoff 2D-to-3D tools
- Elevate and 3D Data menus: contour and polyline elevation
- CADnet for PDF import, raster/vector conversion, and image merging
- Geotech module for strata modeling and volume calculations
- Practical cleanup and modeling workflows

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This session was presented by Jennifer DiBona on 11/20/2024.

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# 2024 Virtual Workshops – Session #2-3 Recorded 11/20/2024

This session from the 2024 Virtual Workshops series provides an in-depth walkthrough of Carlson Takeoff and Takeoff Suite, focusing on setup, layer management, surface modeling, and quantity takeoffs. The instructor demonstrates workflows, cleanup strategies, and practical tips for construction modeling and estimating using Carlson software.

## Key Topics:

- Overview of Carlson Takeoff and Takeoff Suite modules
- Comparison with Carlson Civil Suite
- Layer management, cleanup, and setup for takeoffs
- Creating and managing surfaces and subgrades
- Performing quantity takeoffs and topsoil calculations
- Using Carlson's visualization and reporting tools

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

This session was presented by Jennifer DiBona on 11/20/2024.

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# 2024 Virtual Workshops –

# Session #2-2

## Recorded 11/20/2024

This virtual workshop demonstrates Carlson Software's Precision 3D Hydrology and RoadNet tools, showing how to design, analyze, and visualize stormwater systems within a CAD-integrated environment. The session covers intelligent TIN creation, watershed modeling, gutter spread analysis, and report generation for KYTC-compliant submittals.

### Key Topics:

- RoadNet intelligent TIN and hydrology integration
- Dynamic CAD linking with Precision 3D Hydro
- Gutter spread and watershed analysis
- KYTC reporting and culvert design
- Training tools and hydrology simulation game

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This session was presented by Bruce Carlson on 11/20/2024.

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

# Recorded 6/4/2024

This introductory Carlson Software webinar walks new and existing users through essential setup and configuration steps, including user interface customization, project folder structures, default settings, and point management. The session also covers creating templates, managing data files, and best practices for maintaining consistent CAD environments.

## Key Topics:

- Carlson Software user interface and configuration
- Project and data folder organization
- Default drawing and survey settings
- Creating and customizing drawing templates
- Importing and managing survey points

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

*This session was presented by Jennifer DiBona on 06/04/2024.*

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# Introduction to Carlson

# Software – Settings, Setup, Configuration & Points Recorded 3/6/2024

This introductory Carlson Software webinar explains how to configure default settings, manage data and project folders, and handle points within Carlson Survey and Civil modules. Participants learn how to customize the user interface, create templates, and establish consistent standards for efficient CAD workflows.

## Key Topics:

- Carlson Software interface and configuration
- Project and data folder organization
- Drawing templates and standards setup
- Importing and managing points (CRD files)
- Best practices for defaults, linking, and backups

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*This session was presented by Jennifer DiBona on 03/06/2024.*

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## Intro to Carlson Surfaces,

# Centerlines and Profiles Recorded 7/16/2024

This webinar provides a comprehensive introduction to building and managing surfaces, centerlines, and profiles in Carlson Survey and Civil. Participants learn best practices for configuration, surface modeling, breaklines, field-to-finish automation, and profile creation for road and utility design.

## Key Topics:

- Building and validating surface models (TINs and contours)
- Using shrink-wrap boundaries and non-surface points
- Creating and editing centerlines (CL files)
- Generating and labeling profiles (existing, proposed, and utilities)
- Importing, merging, and inspecting surfaces from Google Earth or USGS

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*This session was presented by Jennifer DiBona on 07/16/2024.*

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# Introduction to Carlson

# Software – Settings, Setup, Configuration & Points Recorded 10/8/2024

This introductory Carlson Software webinar, hosted by That CAD Girl, walks users through the essential setup, configuration, and default settings for Carlson Survey and Civil modules. It covers user interface options, project folder structures, templates, and point management to help new users optimize their CAD environment.

## Key Topics:

- Carlson Software interface overview (menu bar, ribbon, toolbars)
- Default settings and configuration (Carlson Configure)
- Project folder setup and data management
- Drawing templates and customization
- Importing and managing points (CRD files)

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This session was presented by Jennifer DiBona on 10/8/2024.

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**2024 Virtual Workshops –**

# Session #2-1

## Recorded 11/20/2024

This session from the 2024 Virtual Workshops features Bruce Carlson demonstrating advanced hydrology workflows using Carlson Precision 3D and IntelliCAD. The presentation covers terrain modeling, watershed analysis, culvert design, and dynamic CAD integration for civil engineering and land development professionals.

### Key Topics:

- Working with DGN and DWG files in Carlson and IntelliCAD
- Terrain modeling and hydrology setup in Precision 3D
- Automatic watershed and runoff coefficient calculation
- Culvert and storm sewer design with dynamic CAD updates
- Channel lining, headwalls, and stormwater flow analysis

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This session was presented by Bruce Carlson on 11/20/2024.