2024 Virtual Workshops – Session #4-4 Recorded 12/11/2024

This advanced Carlson Software virtual workshop, led by Mark Long, demonstrates integrated civil and hydrology design workflows using Carlson Hydrology, Sewer Network, and Precision 3D Hydro. Participants learn how to model surfaces, design storm and sanitary systems, and visualize drainage networks in 3D for more efficient, accurate engineering.

Key Topics:

- Precision 3D Hydro and Dynamic CAD integration
- Storm drainage and sewer network design in Carlson Hydrology
- Surface modeling, watershed analysis, and runoff coefficients
- Pipe sizing, hydraulic grade line (HGL) setup, and profile generation
- Utility network creation (water, conduit, laterals)
- Future Carlson Software enhancements (2026 release preview)

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

This session was presented by Mark Long on 12/11/2024.

Overview of Carlson Field to Finish
Recorded 2/14/2024

This webinar provides a comprehensive walkthrough of Carlson Software's *Field to Finish* feature, demonstrating how to automate point processing, symbol insertion, and linework generation from field data. Attendees learn how to configure FLD files, manage layers, and apply coding standards to streamline survey drafting and surface modeling.

Key Topics:

- Field to Finish fundamentals and FLD file setup
- Layer management and symbol configuration
- Point labeling, attribute layers, and raw vs. full descriptions
- Special codes for linework (BEG, END, PC, PT, etc.)
- Handling default codes, sizes, and descriptive modifiers

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This session was presented by Jennifer DiBona on 02/14/2024.

2024 Virtual Workshops –

Session #4-3
Recorded 12/11/2024

In this advanced Carlson Software virtual workshop, Mark Long demonstrates time-saving techniques for civil and hydrology design using Carlson Civil and Hydrology modules. The session focuses on efficient subdivision layout, road network design, templates, super elevation, and grading transitions to enhance productivity and precision in engineering workflows.

Key Topics:

- Lot Network and Subdivision Layout Tools
- Road Network (RoadNet) Design and Settings
- Template Creation and Management
- Super Elevation and Transition Design
- Grading, Slopes, and Stream Impact Minimization

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This session was presented by Mark Long on 12/11/2024.

2024 Virtual Workshops – Session #4-2

Recorded 12/11/2024

This virtual workshop continues the 2024 series on Carlson Softw are, focusing on surface modeling, pad grading, and 3D polyline workflows. Participants learn practical grading techniques, dayl ight line creation, and surface triangulation for real-world sit e design projects.

Key Topics:

- Pad grading and daylight line creation
- 3D polyline utilities and elevation editing
- Building pad and curb grading workflows
- Surface triangulation, contour generation, and volume anal ysis
- Cut/fill color mapping and contour cleanup

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This session was presented by Jennifer DiBona on 12/11/2024.

2024 Virtual Workshops – Session #4-1 Recorded 12/11/2024

This session from *That CAD Girl's 2024 Virtual Workshop Series* i ntroduces participants to surface modeling and grading workflows in Carlson Software. The training covers building existing grou nd surfaces, using breaklines, creating 3D polylines, merging su

rfaces, and integrating GIS imagery for visualization.

Key Topics:

- Carlson Software surface modeling fundamentals
- Breaklines, boundaries, and triangulation (TIN) creation
- Field-to-Finish automation and 3D polyline generation
- Contour labeling, line-type generation, and cleanup
- Importing Google/NASA/USGS surfaces and merging TIN files
- Using GIS imagery and 3D flyovers for visualization

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This session was presented by Jennifer DiBona on 12/11/2024.

Introduction to Carlson Software – Settings, Setup, Configuration & Points Recording 2/1/2024

This introductory Carlson Software webinar, hosted by That CAD G irl, walks new users through key setup and configuration steps f or Carlson Survey and Civil modules. It covers interface customi zation, project folder organization, configuration management, a nd working with points and templates for consistent CAD standard s.

Key Topics:

- Carlson Software interface and configuration basics
- Project and data folder setup
- Managing builds, updates, and technical support
- Drawing templates and default settings
- Creating, importing, and editing points

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 02/01/2024.

2024 Virtual Workshops – Session #3-4 Recorded 12/10/2024

This session from That CAD Girl’s 2024 Virtual Workshop series features Donnie’s in-depth training on Carlson’s Least Squares Adjustment tools for survey data analysis. The workshop covers interpreting reports, identifying blunders, understanding statistical tests, and applying best practices for boundary and DOT survey adjustments.

Key Topics:

- Carlson Least Squares Adjustment fundamentals
- Error analysis and residual interpretation
- Chi-square testing and blunder detection
- ALTA/NSPS accuracy standards

- Practical examples: boundary and DOT survey data

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

This session was presented by Donnie Stallings on 12/10/2024.

2024 Virtual Workshops – Session #3-3, Recorded 12-10-2024

This virtual Carlson Survey workshop, led by Donnie Stallings an d hosted by That CAD Girl, introduced surveyors to the principle s of least-squares adjustment and the use of Carlson Survey’s SN ET module. The session covered theory, workflow setup, and pract ical examples combining total-station and GPS data.

Key Topics:

- Introduction to least-squares adjustment theory
- History and development of Carlson Survey’s SNET (Survey N et)
- Practical setup and configuration of SNET projects
- Combining total-station and GPS vectors
- Error analysis, blunder detection, and ALTA/NC DOT workflo ws

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.
This session was presented by Donnie Stallings on 12/10/2024.

Introduction to Carlson Software – Settings, Setup, Configuration & Points Recorded 9/3/2024

This webinar introduces new and returning users to Carlson Software 2025, covering interface navigation, configuration defaults, project folder organization, and drawing templates. Participants learn how to customize settings, manage data files, and create reusable templates for consistent CAD standards.

Key Topics:

- Carlson Software 2025 interface overview
- Configuring default settings and project folders
- Creating and managing drawing templates
- Importing and displaying survey points
- Understanding object linking and data management

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

This session was presented by Jennifer DiBona on 09/03/2024.

2024 Virtual Workshops – Session #3-2 Recorded 12/10/2024

This advanced Carlson Software workshop, led by Doug Aaberg, explored powerful Field to Finish tools and workflows for surveyors, including annotation automation, tree and pipe features, and special coding techniques. The session offered practical demonstrations and Q&A to help users streamline drafting, labeling, and data collection processes.

Key Topics:

- Carlson Field to Finish advanced features
- Annotation and MText automation
- Tree and pipe feature configuration
- Special codes, offsets, and templates
- Real-world Q&A on survey workflows

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

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