2022 Virtual Workshops Session 3-5: Carlson Software Showcase Hydrology – P3D Round Table

A Virtual Workshop Using Carlson Software – Model Storm Networks and Parametric Drainage Designs

This virtual workshop session from Carlson Software explored hydrology design workflows using Carlson Hydrology and Precision 3D Hydro. Presenters demonstrated detention pond design, rational and TR-55 methods, and integration between CAD and 3D modeling for stormwater management.

Key Topics:

- Detention pond design using Rational and TR-55 methods
- Carlson Hydrology workflows and watershed analysis
- Precision 3D Hydro for 3D drainage and storm sewer modeling
- Multi-pond routing, tailwater, and green infrastructure discussions
- Integration between CAD, P3D, and future gamified design 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 11/29/2022.

2022 Virtual Workshops Session 3-4: Carlson Software Showcase Desktop Software Round Table

A Virtual Workshop Using Carlson Software – Discuss Carlson Desktop Features and Design Questions

This 2022 Virtual Workshop session hosted by That CAD Girl featured Carlson Software experts discussing new features in the 2023 release, customization of toolbars and menus, hydrology and civil design workflows, and user-submitted questions. The interactive session included live demonstrations, troubleshooting, and feature requests for future development.

Key Topics:

- Carlson 2023 release overview and stability improvements
- Customizing toolbars, menus, and workspaces (CUI managemen t)
- Hydrology and civil design workflows (pipe inverts, automa tion)
- Retaining wall design tools and feature requests

- Managing external references and images in CAD drawings

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This session was presented by Jennifer DiBona on 11/29/2022.

2022 Virtual Workshops Session 3-2: Carlson Software Showcase Field Software Round Table

A Virtual Workshop Using Carlson Software – Review Field Data Collection and Staking Tools

This 2022 Carlson Virtual Workshop session introduced major updates to Carlson's field software, including new least-squares analysis tools, enhanced reporting, and BIM integration for SurvPC Version 7. Presenters demonstrated real-world workflows for boundary surveys, redundancy checks, and BIM-based stakeout, followed by live Q&A and support tips.

Key Topics:

- SurvPC 7.0 new features and redundancy tools
- Field least-squares analysis and reporting

- BIM model visualization and stakeout
- Web map overlays and NGS benchmark queries
- Carlson Cloud for field-to-office file transfer

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This session was presented by Jennifer DiBona on 11/29/2022.

2022 Virtual Workshops Session 3-1: Carlson Software Showcase Overview of Carlson

A Virtual Workshop Using Carlson Software – Explore Carlson 2023 Desktop Tools and CAD Workflows

This Carlson Software virtual workshop, led by Scott Griffin, introduced users to new and existing features in Carlson 2023, including Drawing Cleanup, Field to Finish utilities, CADnet, and BIM integration. The session emphasized workflow efficiency, data cleanup, and 3D modeling enhancements for surveyors, engineers, and CAD professionals.

Key Topics:

- Drawing Cleanup and CAD file optimization
- Field to Finish updates and symbol management

- CADnet tools for PDF and BIM integration
- Wall Polyline Profile Editor and 3D modeling
- Subdivision layout automation and reporting

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This session was presented by Scott Griffin on 11/29/2022.

2022 Virtual Workshops Session 1-3: Introduction to CAD

A Virtual Workshop Using Carlson Software – Learn Custom Linetypes and Paper-Space Layouts

This virtual workshop session from That CAD Girl’s 2022 series provides an in-depth tutorial on CAD line types, line-type scales, and paper-space layout management in Carlson and IntelliCAD. Attendees learned how to create, edit, and manage custom line types, control scaling across model and paper space, and use viewports effectively for plotting.

Key Topics:

- Creating and editing custom line types (.LIN files)
- Managing line-type scales (LTscale, PSLTscale, Plinegen)

- Using paper space, layouts, and viewports
- Handling text orientation and rotation flags
- Managing layers and visibility across multiple viewports
- Carlson-specific tools and troubleshooting

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 11/15/2022.

2022 Virtual Workshops Session 1-2: Introduction to CAD

A Virtual Workshop Using Carlson Software – Learn Layers, Dimensions, Blocks, and CAD Standards

This virtual CAD workshop session covers foundational and intermediate concepts in IntelliCAD and AutoCAD, focusing on layers, properties, symbols, dimension styles, and drawing templates. Participants learned how to manage visibility, organize drawings, create reusable blocks, and apply national CAD standards for consistent project setup.

Key Topics:

- Layer management and visibility control

- Properties toolbar and entity editing
- Symbols, blocks, and WBLOCK creation
- Dimension styles and scaling
- National CAD Standards and template setup

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This session was presented by Jennifer DiBona on 11/15/2022.

2022 Virtual Workshops Session 2-3: Introduction to Carlson

A Virtual Workshop Using Carlson Software – Learn Surface Modeling, Annotation, and Sheet Production

This session from the 2022 Carlson Virtual Workshops provides a detailed, walkthrough of Carlson Survey tools, including symbol insertion, field-to-finish workflows, surface creation, GIS imagery, annotation, legends, title blocks, and plotting. Participants learn practical CAD techniques for producing professional survey drawings and managing multi-sheet plan sets efficiently.

Key Topics:

- Carlson Survey commands and workflows
- Field-to-Finish, surfaces, and contour generation
- GIS imagery integration and plotting automation

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 11/17/2022.

2022 Virtual Workshops Session 2-2: Introduction to Carlson

A Virtual Workshop Using Carlson Software – Learn Carlson Templates, Points, and Deed Correlation

This virtual training session introduces participants to Carlson Software's CAD tools, focusing on annotation settings, drawing templates, point management, and survey project workflows. Instructor Jennifer DiBona demonstrates practical commands and configuration strategies to standardize drafting and survey processes within Carlson.

Key Topics:

- Auto Annotate, Scalers, and Annotation Defaults
- Drawing Templates and Layer Libraries

- Importing and Managing Points (CRD files)
- Deed Entry, Translation, and Correlation Tools
- Survey Project Workflow and Best Practices

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This session was presented by Jennifer DiBona on 11/17/2022.

2022 Virtual Workshops Session 2-1: Introduction to Carlson

A Virtual Workshop Using Carlson Software – Learn Carlson Setup, Software Resources, and Point Defaults

This virtual workshop introduces participants to Carlson Software 2023, focusing on setup, configuration, and best practices for new users. The session covers installation, interface customization, project folder organization, and annotation standards within Carlson Survey and IntelliCAD environments.

Key Topics:

- Carlson 2023 installation and version updates
- Interface setup and configuration (menus, ribbons, toolbars)
- Managing projects, data folders, and settings
- Understanding Carlson vs. CAD commands
- Annotation, text scaling, and drawing setup

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This session was presented by Jennifer DiBona on 11/17/2022.

2023 Virtual Workshop: Session #4-4 Overview of Carlson CADnet, SiteNet & Takeoff

A Virtual Workshop Using Carlson Takeoff – Calculate Site Volumes and Verify Surfaces

This virtual Carlson Software workshop demonstrates advanced SiteNet workflows for calculating material and dirt quantities, managing topsoil removal and replacement, and performing drawing cleanup and 2D-to-3D data conversion. The session provides practical guidance for preparing accurate takeoff models and

cleaning complex CAD drawings for construction and civil design.

Key Topics:

- Carlson SiteNet volume and material reports
- Topsoil removal and replacement setup
- Surface Inspector and Surface Tools
- 2D-to-3D Polyline conversion methods
- Drawing Cleanup and Layer Management
- LandXML export and machine control files

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.
This session was presented by Jennifer DiBona on 12/06/2023.