

2022 Virtual Workshops 3-2 – Carlson Software Showcase Field Software Round Table Recorded 11/29/2022

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

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 3-1

Carlson Software Showcase

Overview of Carlson

Recorded 11/29/2022

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 1-3 – Introduction to CAD

Recorded 11/15/2022

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

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

2022 Virtual Workshops 1-2, Introduction to CAD Recorded 11/15/2022

This virtual CAD workshop session covers foundational and intermediate concepts in IntelliCAD and AutoCAD, focusing on layers, properties, symbols, dimension styles, and drawing templates. Par

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 2-3 – Introduction to Carlson Recorded 11/17/2022

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

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

2022 Virtual Workshops 2-2 – Introduction to Carlson Recorded 11/17/2022

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 2-1 – Introduction to Carlson Recorded 11/17/2022

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.

In-Depth Carlson Takeoff – Session 2-3 Recorded 01/26/2023

This advanced Carlson Takeoff training session walks participants through elevating 2D polylines to 3D, creating grading surfaces, and performing material quantity takeoffs. The instructor demonstrates step-by-step workflows for building pads, sidewalks, curbs, and balancing cut/fill volumes within Carlson Construction Suite.

Key Topics:

- Elevating 2D to 3D polylines using text, points, and leaders
- Building pad and sidewalk grading workflows
- Managing layers, offsets, and contour cleanup
- Quantity takeoff setup and material reporting
- Balancing cut/fill and generating subgrade surfaces
- Troubleshooting and workflow optimization

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This session was presented by Jennifer DiBona on 01/26/2023.

In-Depth Carlson Takeoff –

Session 2-2

Recorded 01/26/2023

This in-depth Carlson Takeoff training session guides users through advanced layer management, surface modeling, and material quantity calculations. The webinar demonstrates how to clean CAD files, assign layers, build surfaces, and calculate cut/fill volumes and topsoil adjustments for accurate takeoff reporting.

Key Topics:

- Carlson Takeoff layer-based workflow and TRG file management
- Cleaning and organizing CAD layers for modeling
- Building existing and design surfaces
- Subgrade and topsoil removal/replacement calculations
- Exporting LandXML and TIN files for machine control

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This session was presented by Jennifer DiBona on 01/26/2023.

In-Depth Carlson Takeoff – Session 2-1

Recorded 01/26/2023

This session continues the In-Depth Carlson Takeoff training, focusing on building accurate 3D surface models from 2D plans, digitizing spot elevations, and preparing data for quantity takeoffs. Participants learned best practices for managing layers, creating polylines, and converting spot elevation labels into Carlson points for modeling and analysis.

Key Topics:

- Setting up and managing project drawings for takeoff
- Digitizing and labeling spot elevations
- Creating and elevating 2D/3D polylines
- Converting labels to Carlson points
- Modeling surfaces for cut/fill and quantity calculations
- Layer management and naming conventions
- Using symbols for inlets, curb stops, and other site features

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This session was presented by Jennifer DiBona on 01/26/2023.