

2023 Virtual Workshop – Session #3-4 Recorded 11/29/2023

This Carlson Software virtual workshop, hosted by That CAD Girl, provided an in-depth demonstration of Carlson's Point Cloud module, lidar data integration, and survey data processing workflows. The session concluded with updates on coordinate projection changes in 2024 and practical guidance on raw data editing and GPS processing.

Key Topics:

- Point Cloud module setup and lidar data workflows
- Creating and refining surface models (TINs)
- Integrating lidar, Google Earth, and survey data
- Carlson 2024 projection and datum updates (NAD83 2011)
- Edit Process Raw Data and GPS base point handling
- Upcoming improvements in Carlson Serve PC, Serve Net, and GNSS tools

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

This session was presented by Jennifer DiBona and Doug Aaberg on 11/29/2023.

2023 Virtual Workshops – Session #3 - 3>br>Recorded 11/29/2023

This workshop session, led by Carlson Software's Doug Aaberg, provides an in-depth overview of the GIS and Point Cloud capabilities in Carlson Survey. The presentation demonstrates how to integrate GIS data with field-to-finish workflows, manage attribute data, and import/export shape files for practical surveying and mapping applications.

Key Topics:

- Carlson GIS module setup and usage
- Field-to-finish integration with GIS attributes
- CRDB vs. CRD coordinate file formats
- Importing and labeling Esri shape files
- Using Serve PC for field data collection
- Managing line labels, monuments, and attribute-based symbology

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This session was presented by Doug Aaberg on 11/29/2023.

2023 Virtual Workshop –

Session #3-2

Recorded 11/29/23

This 2023 Carlson Software virtual workshop, led by Scott Griffin, provides an in-depth demonstration of new and enhanced features in Carlson 2024. The session covers Lot Network, Road Network, Sheet Production, Profile Capture, and Parking Network tools, showcasing practical workflows for surveyors, engineers, and CAD designers.

Key Topics:

- Lot Network setup and dynamic lot editing
- Road Network design and intersection handling
- Sheet production and profile management
- New Profile Capture command
- Parking Network and 3D design tools

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This session was presented by Scott Griffin on 11/29/2023.

2023 Virtual Workshops – Session #3-1

Recorded 11/29/2023

This virtual workshop, led by Scott Griffin and hosted by Jennifer, provided an in-depth overview of Carlson Software's 2024 updates and practical demonstrations of key CAD and surveying tools. Topics included drawing cleanup, Google Earth integration, PDF import, BIM handling, field-to-finish workflows, and point cloud processing.

Key Topics:

- Drawing cleanup and data preparation
- Google Earth and GIS imagery integration
- PDF import and vectorization using CADnet
- BIM and IFC/Revit file handling
- Field-to-Finish enhancements for trees, pipes, and labeling
- Point cloud processing and AI-based feature extraction

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This session was presented by Scott Griffin on 11/29/2023.

2023 Virtual Workshops Point Clouds, P3D, CPC, etc, Recorded 10/11/23

This internal Carlson Software virtual workshop focused on the Carlson Photo Capture (CPC) and Point Clouds 3D modules,

comparing standalone versus cloud processing, hardware requirements, and workflows for drone data. The session also covered product positioning, AI-based feature extraction, and internal coordination on hydrology and engineering modules.

Key Topics:

- Carlson Photo Capture standalone vs. web-based tiers
- Hardware specs and performance considerations
- Point Cloud Advanced features and AI extraction tools
- Drone data processing workflow (images, GCPs, LAS export)
- Internal engineering and personnel updates

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This session was presented by Scott Griffin and Jennifer DiBona on 10/11/2023.

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.

Web Feature Services with Carlson GIS Recorded 5/24/2023

This webinar, hosted by That CAD Girl and presented by Travis, provides a detailed walkthrough of using web feature services (WFS) and web map services (WMS) within Carlson GIS. It demonstrates how to access, import, and manage GIS data layers such as FEMA flood maps, USGS topo maps, wetlands, and soils data to create accurate base maps for civil and survey projects.

Key Topics:

- Accessing and importing web feature and map services in Carlson GIS
- Integrating USGS, FEMA, wetlands, and soils data layers
- Setting coordinate projections and verifying grid alignment

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- Using shape files and QGIS for supplemental GIS workflows
- Creating tool palettes for efficient project setup

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This session was presented by Travis Maxwell on 05/24/2023.

Working With Sheet Sets Recorded on 10/27/2023

This webinar, presented by Travis Maxwell and hosted by That CAD Girl, provides a comprehensive walkthrough of using sheet sets in IntelliCAD and AutoCAD. It covers setup, numbering, field management, and automation techniques to streamline large CAD projects.

Key Topics:

- Creating and managing sheet sets in IntelliCAD
- Automating title block data with fields and LISP scripts
- Organizing large projects and publishing multi-sheet PDFs

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This session was presented by Travis Maxwell on 10/27/2023.

In-Depth Carlson Takeoff – Session 2-2 Recorded 01/26/202

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.