2024 Virtual Workshops: Session #1-2 Overview of Carlson Survey and GIS Presenter: Doug Aaberg

A Virtual Workshop Using Carlson Software – Build GIS Survey Data Workflows

This virtual workshop, led by Doug Aaberg of Carlson Software, provided a detailed walkthrough of the Carlson GIS module, demonstrating how to import, manage and utilize public GIS data within Carlson Survey and Civil. The session also covered creating GIS feature files, collecting field attributes and integrating imagery and LIDAR data to enhance survey projects.

Key Topics:

- Importing and configuring GIS data in Carlson Survey and GIS modules
- Creating feature and database files for attribute collection
- Using public data sources (MassMapper, NOAA LIDAR, FEMA, soils, wetlands)
- Labeling and managing GIS attributes in drawings
- Integrating Google Earth and GeoMap imagery
- Field data collection with Carlson SurvPC and Field-to-Finish setup

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 11/19/2024.

2024 Virtual Workshops: Session #1-1 Overview of Carlson Software Presenter: Jennifer DiBona

A Virtual Workshop Using Carlson Software – Learn Core Carlson Setup and Survey Workflows

This session kicked off the 2024 Virtual Workshops hosted by That CAD Girl, providing an introductory overview of Carlson Software and its CAD environments. The training covered setup, configuration, data management and practical demonstrations of key Carlson tools for survey, civil and land development workflows.

Key Topics:

- Carlson Software overview and interface setup
- IntelliCAD vs. AutoCAD platform options
- Managing configuration and project folders
- Importing Civil 3D and LandXML data
- Deed entry, lot layout and subdivision design

- Field-to-Finish workflows and surface modeling

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This session was presented by Jennifer DiBona on 11/19/2024.

Standardizing Linetypes, Lineweights & Dimension Styles in CAD

A Virtual Webinar Using CAD – Learn to Standardize CAD Styles

This webinar provides a comprehensive walkthrough of how to standardize line types, line weights and dimension styles across CAD platforms such as AutoCAD and IntelliCAD. It covers practical tips for creating consistent drawing standards, managing scale factors, customizing line type definitions and setting up templates for efficient drafting workflows.

Key Topics:

- Understanding and customizing line type definitions (.LIN files)
- Managing line type scales (LTSCALE, PSLTSCALE, PLINEGEN)
- Setting and plotting line weights using CTB files
- Creating and managing dimension styles with scale factors

- Using IntelliCAD Explorer for transferring CAD standards

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This session was presented by Jennifer DiBona on 05/20/2025.

Overview of Paper Space, Title Blocks and Templates in CAD

A Virtual Webinar Using CAD – Learn to Standardize Title Blocks

This webinar provides a comprehensive walkthrough of using paper space, title blocks and templates in CAD environments such as IntelliCAD and AutoCAD. It explains how to standardize plotting, manage multiple scales and use sheet sets and fields to automate title block data.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Paper space vs. model space fundamentals
- Setting up layouts, viewports and plot configurations

- Managing title blocks and templates
- Using sheet set manager and fields for automation

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This session was presented by Jennifer DiBona on 04/17/2025.

Customizing Title Blocks and Sheet Set Manager in CAD

A Virtual Webinar Using IntelliCAD and AutoCAD – Learn to Customize Title Blocks

This webinar teaches CAD professionals how to create and customize title blocks, manage attributes and automate project data using Sheet Set Manager in AutoCAD and IntelliCAD. Participants learn practical workflows for building reusable templates, defining attributes and linking fields for efficient project documentation.

Key Topics:

- Creating and managing blocks with attributes
- Using commands like EXPLODE, BURST and ATTDEF
- Building custom title blocks and templates
- Automating data with fields and Sheet Set Manager

- Managing multi-sheet projects and updating properties globally

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This session was presented by Jennifer DiBona on 10/28/2025.

CAD Tips and Tricks DIMStyles & Linetypes

A Virtual Webinar Using CAD – Learn to Improve DIMStyles and Linetype Setup

This webinar explains how CAD users can effectively manage linetypes and DIMstyles across AutoCAD, IntelliCAD and Carlson platforms. It covers scaling principles, file management and customization techniques to ensure drawings plot correctly at any scale.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Understanding and editing .LIN linetype definition files
- Line type scaling (LTSCALE, PSLTSCALE and PLINEGEN)
- Creating and managing custom linetypes with text
- Dimension style scaling and child styles for radius dimensions
- Best practices for plotting and template setup

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This session was presented by Jennifer DiBona on 12/18/2025.

An Overview of NCS Layers And Drawing Templates

A Virtual Webinar Using AutoCAD and IntelliCAD – Learn to Standardize CAD Drawing Templates

This webinar provides a detailed walkthrough of the National CAD Standard (NCS) layer naming conventions and demonstrates how to implement them through drawing templates in AutoCAD, Civil 3D and IntelliCAD. Attendees learn how to create, customize and manage templates for consistent CAD standards across projects.

Key Topics:

- Overview of the National CAD Standard (NCS)
- Layer naming conventions and discipline designators

- Creating and customizing drawing templates (DWT files)
- Using templates in AutoCAD, Civil 3D and Carlson
- Managing sheet templates and layout tabs

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This session was presented by Jennifer DiBona on 08/12/2025.

Conversion of Outside Drawings to Company Cad Standards

A Virtual Webinar Using CAD – Learn to Convert Outside Drawings to Company Standards

This webinar provides a detailed walkthrough of how to convert external CAD drawings into company-standard formats using Carlson Software. It covers fonts, line types, layer translation, Civil 3D object conversion and best practices for maintaining consistent CAD standards across projects.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Managing and correcting missing fonts and text styles
- Handling line types, LT scale and custom line type creation
- Using layer translation tools and spreadsheets for CAD standardization
- Importing and cleaning Civil 3D drawings and Xrefs
- Troubleshooting slow saves, plotting issues and font substitutions

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This session was presented by Travis Maxwell on 01/18/2023.