Standardizing Layers, Linetypes & Dimensions

A Virtual Webinar Using CAD – Learn to Standardize Layers, Linetypes and Dimensions

This webinar by That CAD Girl covers how to standardize CAD drawings using the National CAD Standard (NCS) within Carlson Software and AutoCAD. It explains best practices for managing layers, linetypes and dimension styles to ensure consistency across civil and survey 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:

- National CAD Standard (NCS) layer naming and structure
- Carlson template and layer library management
- Linetype scaling, polyline generation and plotting behavior
- Dimension style creation and scaling for different drawing types

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 05/07/2024.

Importing Publicly Available Lidar for Surface Creation

A Virtual Webinar Using Carlson Software – Learn Publicly Available LiDAR for Surface Creation

This Carlson Software webinar demonstrates how publicly available LiDAR can be downloaded, filtered, thinned and prepared for surface creation. Travis Maxwell shows how LAS and LAZ point-cloud files, LAS tools batch processing, Carlson grid files, contours and Google Earth checks can support preliminary terrain modeling workflows.

Key Topics:

- Public LiDAR sources and download workflow
- LAS and LAZ file handling
- Class 2 ground-point filtering
- Grid-file surface creation in Carlson
- Contour review and Google Earth verification

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This session was presented by Travis Maxwell on 06/14/2023.

Importing Publicly Available Lidar for Surface Creation

A Virtual Webinar Using Carlson Software – Learn to Import Publicly Available LiDAR for Surface Creation

This webinar, led by Travis Maxwell and hosted by That CAD Girl, demonstrates how to import and process publicly available LiDAR data to create accurate surface models in Carlson Software. Attendees learned step-by-step methods for downloading, filtering and converting LiDAR datasets using LAS tools and Carlson's surface modeling features.

Key Topics:

- Downloading LiDAR data from the USGS National Map and state repositories
- Using LAS Tools to preprocess and filter LiDAR point clouds
- Creating surfaces and contours in Carlson Software
- Managing precision and file size for optimal performance
- Legal and practical considerations for using public LiDAR data

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This session was presented by Travis Maxwell on 04/12/2023.

Introduction to Carlson Software – Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This introductory Carlson Software webinar guides new users through configuring settings, templates and point management in Carlson Survey and Civil modules. It covers installation defaults, project folder organization, drawing templates and practical workflows for creating and editing points.

Key Topics:

- Carlson Configure and default settings
- Project and data folder setup
- Drawing templates and DWT management
- Point creation, linking and editing
- Help resources and version/build management

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This session was presented by Jennifer DiBona on 01/06/2021.

Creating & Using Points for Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Create Construction Points

This webinar, hosted by That CAD Girl and presented by Walt Liles of Terrain Technology, provides a detailed walkthrough of creating and managing points in Carlson Software for construction and surveying workflows. Attendees learned how to generate, edit, export and apply point data for field staking, modeling and data collection.

Key Topics:

- Setting up a new CRD coordinate file
- Draw-Locate Points settings, point numbering series and layers
- Listing and editing points in the CRD file
- Creating points at intervals along entities in Carlson Survey
- Exporting point ranges to text files for data collectors
- Importing Civil 3D points and creating back of curb offset points

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This session was presented by Walt Liles on 10/20/2021.

Making Models from a Mess

A Virtual Webinar Using Carlson Software – Learn to Make Models from Messy Drawings

This webinar demonstrates Carlson Software's toolkit for transforming messy 2D CAD data into clean, 3D-ready models for surface creation, staking and machine control. It walks users through practical cleanup workflows, layer management, elevation-setting commands and essential drawing preparation steps.

Key Topics:

- Cleaning and preparing CAD drawings for 3D modeling
- Using Carlson commands to elevate 2D polylines to 3D
- Managing layers, spot elevations and contours efficiently
- Combining and repairing data from multiple files for site modeling

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This session was presented by Jennifer DiBona on 04/18/2019.

Overview of Carlson GIS

A Virtual Webinar Using Carlson GIS – Learn to Manage, Query and Label GIS Databases

This webinar provides a hands-0n overview of Carlson GIS tools for importing, editing and managing spatial datasets in CAD. It demonstrates how to work with ESRI shapefiles, define GIS features, link drawing entities to databases, create queries and reports and add georeferenced imagery.

Key Topics:

- Importing and linking ESRI shapefiles
- Creating and editing Carlson GIS databases (MDB/Access)
- Data queries, labeling and GIS Inspector tools
- Integration with Google Earth and web map services
- Building custom GIS datasets from CAD or Excel data

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 04/18/2018.

Features of Carlson Survey & Civil – Setting Points and Stakeout

A Virtual Webinar Using Carlson Software – Learn to Set Points from Entities, Offsets and Slopes

This Carlson Software webinar shows several ways to set points in Carlson Survey and Civil for layout and stakeout. The session covers applying a surveyor’s Field to Finish (FLD) file in Civil, creating points from lines, arcs and GIS shapefile data with Create Points from Entities, setting building offset points, interpolating points and elevations, labeling surface-linked spot elevations and using Points by Slope to set curb break points for a proposed surface.

Key Topics:

- Using a shared Field to Finish (FLD) file in Carlson Civil through Point Defaults for point symbols and layers
- Create Points from Entities for lot corners and radius points, GIS hydrants and manholes and per-entity descriptions
- Building Offset Extensions and Draw Building Envelope Polyline for offset staking points
- Interpolate Points: divide and interval methods between points or along entities, plus elevations between points
- Surface Inspector and surface-linked Draw Spot Elevations that update with Move Spot Elevations and a rewritten TIN

- Points by Slope for curb break points with reference and target points, elevations and grade

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This session was presented by Jennifer DiBona on 02/21/2017.

Annotation in Carlson Software – the Basics

A Virtual Webinar Using Carlson Software – Learn Carlson Annotation Basics for Consistent Plotted Labels

This webinar introduces the fundamentals of annotation within Carlson Software, focusing on setting up text styles, managing annotation sizes and understanding how Carlson handles plotting scales. It includes step-by-step demonstrations for text, line, area labels, points and annotation defaults for land development and survey drawings.

Key Topics:

- Setting up text styles in Carlson CAD environments
- Understanding text height, scaling and annotation defaults
- Labeling lines, areas and points (bearing, distance, lot areas)
- Using Auto Annotate and combining labels

- Managing text rotation, line types and layer templates

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

This session was presented by Jennifer DiBona on 05/04/2016.

The Very Basics of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn Carlson Field-to-Finish Basics for Point Coding

This Carlson Software webinar introduces the very basics of Carlson Field-to-Finish for users who want to understand how field codes, FLD files, CRD points, symbols and descriptions work together. The session demonstrates creating a new code table from scratch, defining point-only codes, testing Draw Locate Points, redrawing with Field-to-Finish, controlling layers and adding descriptive size information to point labels.

Key Topics:

- Carlson Field-to-Finish basics and FLD code tables
- Point-only field codes, layers, symbols and descriptions
- Draw Locate Points versus Draw Field-to-Finish
- Separate attribute layers for symbols and labels
- Special codes for appended, prefixed and reusable size

descriptions

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This session was presented by Jennifer DiBona on 08/24/2016.