If You’re Not Using LandXML — You Should Be (yes, all of you!)

A Virtual Webinar Using LandXML — Learn to Exchange and Archive Project Data

This webinar hosted by Jennifer DiBona of That CAD Girl makes the case for LandXML as a non-proprietary format for moving and archiving survey and design data, with export and import shown in Carlson on IntelliCAD, Land Desktop and Civil 3D. LandXML.org founder Nathan Crews then explains how the schema came about, where agencies require it and what is coming in LandXML 2.0.

Key Topics:

- Why LandXML beats DWG, DXF and custom ASCII files for data exchange
- Data LandXML carries: points, surfaces, centerlines, profiles and more
- Exporting and importing LandXML in Carlson, Land Desktop and Civil 3D
- Archiving project data in a readable non-proprietary format
- DOT and government requirements for LandXML deliverables
- LandXML 2.0: styles, textures, stormwater data and field descriptions

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

This session was presented by Jennifer DiBona and Nathan Crews on 09/17/2015.

Overview of Carlson GIS

A Virtual Webinar Using Carlson GIS – Learn to Import and Manage Shapefile and Parcel Data

This webinar introduces Carlson GIS's core functions using 2017 software, focusing on importing, linking, editing and labeling shapefiles within CAD drawings. Participants learn how to build and query GIS databases, generate legends and reports and integrate external Excel or Access data.

Key Topics:

- Structure and components of ESRI shapefiles (SHP, DBF, SHX, PRJ)
- Importing and managing shapefiles inside Carlson GIS
- Using Access MDB and GIS feature (schema) files
- Editing, labeling and querying GIS data in CAD
- Creating GIS polylines from enclosed text or Excel data

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This session was presented by Jennifer DiBona on 10/31/2017.

Features of Carlson Survey & Civil – Setting Points and Stakeout

A Virtual Webinar Using Carlson Software – Learn to Set Stakeout Points from GIS Data, Building Offsets and Curb Lines

This webinar by That CAD Girl shows how to set points for layout and stakeout in Carlson Survey and Carlson Civil. It covers point defaults and layers, using Field to Finish codes without the Survey menu, creating points from CAD entities and Esri GIS data, setting building offset points, interpolating points and elevations and setting curb offset points along centerlines and polylines.

Key Topics:

- Draw-Locate Points defaults and point layers
- Using Field to Finish codes in Carlson Civil without the Survey menu
- Create Points from Entities for lines, arcs and polylines plus Esri hydrant and manhole data
- Building Offset Extensions and building envelope offset points
- Interpolating points and elevations with divide and

interval (measure) methods
- Curb offset points along centerlines and polylines with line and curve intervals

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This session was presented by Jennifer DiBona on 07/12/2017.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn Surface and Breakline Basics

This webinar by That CAD Girl explains the fundamentals of creating accurate surface models and breaklines using Carlson Survey and Civil software. It covers triangulation principles, common data pitfalls and best practices for using points, contours and field codes to produce reliable TIN surfaces.

Key Topics:

- Building surfaces and TIN files in Carlson Survey/Civil
- Using points, breaklines and contours effectively
- Understanding triangulation and common modeling errors
- Field to Finish automation for 2D/3D linework
- Merging surfaces and creating 3D PDFs

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

This session was presented by Jennifer DiBona on 02/09/2017.

Overview of Carlson CADnet

A Virtual Webinar Using Carlson CADnet – Learn to Convert PDFs and Images and Import IFC Building Models

This webinar provides a comprehensive introduction to Carlson CADnet, demonstrating how to convert and work with PDF, image and BIM (IFC) data within Carlson Software. The session covers converting raster to vector data, digitizing plans, merging raster images and importing/exporting building models for BIM collaboration.

Key Topics:

- PDF and image conversion workflows
- Digitizing and scaling plans in CADnet
- Merging raster images
- Vector vs. raster PDF differences
- Importing and exporting IFC (BIM) files

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This session was presented by Jennifer DiBona on 01/24/2017.

Survey Project From Start to Finish

A Virtual Webinar Using Carlson Survey – Learn a Field to Plotted Sheet Workflow

This Carlson Software training session walks users through the complete workflow of a survey project—from raw field data collection to creating a finalized plotted sheet. The session demonstrates importing points, deed entry, correlation, surface modeling, labeling and map preparation within Carlson Survey.

Key Topics:

- Importing and managing survey points
- Entering and editing deed descriptions
- Deed correlation and translation
- Field-to-Finish automation
- Building surface models and creating contours
- Inserting north arrows, legends, title blocks and exporting to Google Earth

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This session was presented by Jennifer DiBona on 01/11/2017.

Surfaces, Grading & Volumes in Carlson Software

A Virtual Webinar Using Carlson Software – Learn Surfaces Grading and Volumes

This recorded webinar provides a step-by-step tutorial on working with surfaces, grading and volume calculations in Carlson Software, focusing on both manual and automated workflows. It demonstrates practical field-to-finish modeling methods using Civil, Survey, Construction and Takeoff modules.

Key Topics:

- Creating and editing surfaces in Carlson Software
- Manual grading workflows
- Automated grading with Design Pad Template
- Volume computations
- Surface merging and daylight lines
- Modeling across Civil, Survey, Construction and Takeoff modules

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This session was presented by Jennifer DiBona on 12/14/2016.

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

A Virtual Webinar Using Carlson Software – Learn Carlson Software Setup and Points

This introductory Carlson Software webinar, hosted by Jennifer of That CAD Girl, walks new users through configuring their Carlson environment—covering setup, settings, templates and drawing organization. It emphasizes efficient file management, point handling and customization techniques to streamline survey and design workflows.

Key Topics:

- Carlson software configuration and settings
- Project and data folder structures
- Drawing templates and default setups
- Point management and field-to-finish overview
- Text scaling and annotation standards

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This session was presented by Jennifer DiBona on 12/02/2016.

Tips & Tricks in CAD and Carlson Software

A Virtual Webinar Using Carlson Software – Learn CAD and Carlson Tips and Tricks

This webinar by That CAD Girl shares practical drafting tips in IntelliCAD and AutoCAD along with time-saving tools in several Carlson modules. It covers dimension text overrides, Extend by Distance inside the Carlson polyline command, exporting drawings to Google Earth, merging multi-sheet raster plans in CADnet and converting circles and splines to polylines.

Key Topics:

- Intelligent dimensioning and text overrides in CAD
- Using Carlson's *Extend by Distance* function for shape crea tion
- Exporting CAD data to Google Earth (KML/KMZ workflow)
- Merging multi-sheet raster or PDF plans in CADnet
- Converting and editing entities as polylines in Carlson

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This session was presented by Jennifer DiBona on 11/29/2016.

Site Grading Project with Carlson Software

A Virtual Webinar Using Carlson Civil – Learn Site Grading Workflows

This webinar presents a detailed walkthrough of Carlson Civil's powerful 2D-to-3D data conversion tools, demonstrating how to elevate 2D polylines, design building pads, curbs, parking lots and create surface models. It serves as a training reference for engineers, surveyors and CAD professionals involved in civil design and site grading workflows.

Key Topics:

- Elevating 2D polylines to 3D using points, text and surfaces
- Building pad and parking lot grading with Carlson Civil
- Creating and editing 3D surfaces, contours and TINs
- Workflow optimization, slope control and vertex management

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This session was presented by Jennifer DiBona on 11/09/2016.