Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn Surfaces and Breaklines Basics

This webinar, hosted by That CAD Girl, provides a comprehensive introduction to creating and editing surfaces and breaklines in Carlson Survey and Carlson Civil 2017. It covers surface fundamentals, step-by-step workflows for triangulation, contouring, breakline creation, field-to-finish processes, merging datasets and proper data delivery for surveyors and engineers.

Key Topics:

- Carlson Triangulate and Contour setup
- Shrinkwrap entities, non-surface points and breaklines
- Surface editing and visualization tools (3D Viewer, Flyover, Inspector)
- Merging survey and GIS (TIN/NED) data
- Building and exporting surfaces (TIN, LandXML)
- Risks of building surfaces from contours only

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 06/15/2016.

Working with Carlson Hydrology – Drafting Pipes & Structures

A Virtual Webinar Using Carlson Hydrology – Learn to Draft Pipes and Structures

This webinar provides a detailed walkthrough of using Carlson Hydrology to draft pipes and structures, create sewer networks and integrate profiles and surfaces in drainage design. It demonstrates network creation, label management, profile drawing, 3D visualization and practical troubleshooting during hydrology drafting.

Key Topics:

- Creating and editing profiles (generic, road and sewer types)
- Building storm sewer networks (structures, pipes and surfaces)
- Using Carlson Hydrology’s sewer network and profile tools
- Labeling, data tables and 3D visualization of drainage systems
- Troubleshooting and best practices for drafting and design

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This session was presented by Jennifer DiBona on 04/21/2016.

Survey Project From Start to Finish

A Virtual Webinar Using Carlson Survey – Learn to Run a Survey Project from Start to Finish

This educational webinar walks through the entire surveying process in Carlson Software –from bringing field data into a drawing, to creating surfaces, labeling boundaries, correlating deeds and assembling a finished plotted sheet. Participants learned configuration settings, data-import techniques, field-to-finish workflows and how to integrate geospatial imagery and map data.

Key Topics:

- Carlson Survey setup and field data import
- Field to Finish automation and point grouping
- Boundary entry, deed correlation and legal description tools
- Surface creation, contouring and 3D viewing
- Labeling, annotation, title block and legend creation
- Integration of Esri imagery, Google Earth and published control points

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This session was presented by Jennifer DiBona on 04/19/2016.

Paper Space and Rotating Views with DView and UCS

A Virtual Webinar Using CAD – Learn Paper Space and Rotated Views

This webinar by That CAD Girl explains Paper Space, layouts and viewports using Carlson on IntelliCAD, with notes on where AutoCAD differs. It shows how to scale and lock viewports, control layer visibility in each viewport and rotate views with Twist Screen (DView Twist) and UCS.

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
- Creating, scaling and locking viewports
- Freezing layers in individual viewports
- Irregular (clipped) viewports
- Rotating views with Twist Screen (DView Twist) and UCS
- Moving entities between spaces with CHSPACE

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This session was presented by Jennifer DiBona on 04/13/2016.

Working with Carlson Hydrology – Drafting Pipes & Structures

A Virtual Webinar Using Carlson Hydrology – Learn Drafting Pipes and Structures

Note: The audio begins at about 2:25. The opening minutes are silent while the presenter's microphone was muted.

This Carlson Hydrology webinar demonstrates how to draft storm sewer structures, pipes and profile views from surface and centerline data. It explains generic, road, sewer, pipe and crossing profiles; sewer network settings; plan labels; sewer profiles; invert controls; and saved setup files for repeatable hydrology drafting.

Key Topics:

- Hydrology profile types and grids
- Sewer network setup and defaults
- Pipe and structure creation
- Plan-view and profile labeling
- SNS and label-setting reuse

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This session was presented by Jennifer DiBona on 02/23/2015.

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

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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

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 10/31/2017.

Doug’s Favorite Things in Carlson Desktop Software

A Virtual Webinar Using Carlson Software – Learn LotNet and Auto Annotate Tips for Subdivision Layouts

A recorded webinar hosted by That CAD Girl featuring Doug Aaberg, Carlson Software’s Survey Product Manager, demonstrating time-saving tips in Carlson Survey, focusing on LotNet and Auto Annotate tools for subdivision design and drafting efficiency.

Key Topics:

- LotNet tools for subdivision design
- Auto Annotate setup by layer
- Dynamic editing with Carlson centerlines and RoadNet
- Integration of settings files (LTN, RDN, AAN)
- Sample workflows for small and large developments

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

This session was presented by Doug Aaberg on 07/14/2017.

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

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 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 ha ve been AI-generated and may contain errors.

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