6 Sessions: Fast Track to Carlson Survey

A Virtual Classroom covering Carlson Survey workflows for raw data processing, survey drafting, Field-to-Finish, boundary work and surface modeling.

Fast Track to Carlson Survey follows survey data from raw file review and traverse checks through organized points, automated drafting and boundary documentation. Doug Aaberg opens with raw data and adjustments while Jennifer DiBona covers settings, templates, CRD files and Field-to-Finish. Later sessions add deed entry and correlation, lot management and subdivision layout, surfaces with breaklines and profile drafting.

Key Topics:

- Carlson raw data review, setup and rod height corrections, checkpoints and compass rule adjustment
- Carlson combined GNSS and conventional survey data and least squares adjustment concepts
- Carlson configuration, project folders, DWT templates, saved settings and CRD point management
- Carlson annotation scalers, Auto Annotate, line and curve tables and shared drafting standards
- Carlson Field-to-Finish code tables, attribute layers, default codes, descriptions, legends and linework
- Carlson deed entry, closure checks, deed correlation,

coordinate translation and legal descriptions

- Carlson lot files, area labels, setbacks and LotNet subdivision layout and editing
- Carlson surface boundaries, non-surface points, breaklines, triangulation, contours and TIN merging
- Carlson centerlines and existing ground, road, sewer and pipe crossing profiles

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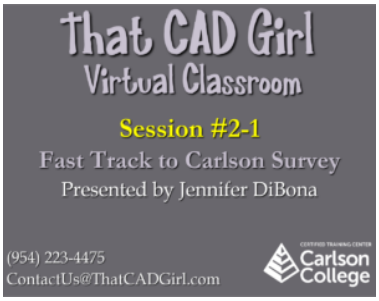
These sessions were presented by Jennifer DiBona.

Doug Aaberg processes raw RW5 data with compass-rule and least-squares adjustments.Jennifer DiBona configures Carlson Survey defaults, templates, folders and point display.Jennifer DiBona manages CRD points, annotation settings and the Field-to-Finish





workflow.Jennifer DiBona builds Field-to-Finish code tables, layers, symbols and special



codes. Jennifer DiBona enters deeds, correlates field and deed data and writes legal descriptions.Jennifer DiBona uses Lot Network, surface modeling with breaklines and road and



utility profiles.





Working with Blocks and Creating Custom Title Blocks

A Virtual Webinar Using CAD – Learn to Work with Blocks and Create Custom Title Blocks

This webinar teaches CAD professionals how to effectively create and manage blocks, attributes and custom title blocks in AutoCAD, IntelliCAD and Carlson Software. It explains industry-best practices for layer management, block structuring and attribute definition to ensure consistency and efficiency across drawing sets.

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:

- CAD Layer Management Fundamentals
- Creating and Inserting Blocks and Attributes
- Handling Nested Layers and References
- Attribute Definitions (Tags, Prompts, Defaults)
- Building Custom Title Blocks

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This session was presented by Jennifer DiBona on 08/09/2017.

Traverse Adjustment with Carlson Survey

A Virtual Webinar Using Carlson Survey – Learn traverse adjustment with Carlson Survey

This webinar, presented by Jeremy Taylor and hosted by That CAD Girl, provides an in-depth demonstration of performing traverse adjustments within Carlson Survey. It explains raw file processing, closure calculations, adjustment methods and practical workflow tips for professional surveyors.

Key Topics:

- Editing and processing raw survey data in Carlson Survey
- Computing traverse closures (raw, compass, Crandall, least squares)
- Setting up and simplifying raw files for adjustment
- Using angle balance and closure routines
- Integrating GPS and conventional data
- Best practices for multi-day survey data management

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This session was presented by Jeremy Taylor on 01/10/2017.

Introduction to Carlson Survey & GIS

A Virtual Webinar Using Carlson Survey and GIS – Learn Survey and GIS Workflows

A detailed instructional webinar introducing Carlson Survey and GIS software, covering program setup, configuration, annotation tools, point and surface management, Field-to-Finish workflows, profiles and GIS data integration. Viewers learn best practices for project organization, standards management and essential tools for survey drafting and analysis within the Carlson ecosystem.

Key Topics:

- Carlson Configure and drawing setup basics
- Field-to-Finish and point data management
- Layer libraries and National CAD Standard templates
- Auto Annotation, lot labeling and deed entry
- Surface modeling, profiles and GIS shapefile tools

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This session was presented by Jennifer DiBona on 05/13/2014.

Tips & Tricks to Recover Corrupt Drawing Files

A Virtual Webinar Using CAD – Learn to Recover Corrupt Drawing Files in AutoCAD and IntelliCAD

This webinar explores practical methods to identify, fix and prevent corruption in AutoCAD and IntelliCAD drawing files. It demonstrates key commands like Purge, Audit, Recover and Wblock and shares advanced cleanup options using DWG TrueView.

Key Topics:

- Common causes and recovery methods for corrupt CAD files
- Using Purge, -Purge, Audit and Recover commands
- IntelliCAD vs. AutoCAD behavior differences
- Working with Wblock, Design Center and DWG TrueView
- Handling annotative text, registered applications and Xrefs

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This session was presented by Jennifer DiBona on 08/23/2017.

The Very Basics of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn Field to Finish Basics

This webinar introduces new users to Carlson Software's Field to Finish workflows, demonstrating how to create and manage field codes, symbols, layers and descriptions from the ground up. Attendees learn how to turn raw survey data into organized CAD drawings through simple, rule-based automation.

Key Topics:

- Creating and editing Field to Finish (FLD) files from scratch
- Configuring point and line codes
- Assigning symbols, layers and text attributes
- Managing special descriptions and layers
- Using special codes for labeling and descriptive data

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This session was presented by Jennifer DiBona on 03/14/2017.

Survey Project From Start to Finish

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

This training webinar provides a complete walkthrough of creating a Carlson Survey project from field data collection to a final plotted sheet. Participants learn point import methods, deed entry and correction, field-to-finish linework, legal description generation, surface modeling, GIS imagery integration and final sheet layout.

Key Topics:

- Importing and managing survey points (control and topo)
- Creating and editing deed boundaries and correlation
- Using Field-to-Finish to automate drafting
- Building surfaces and shrink-wrap boundaries
- Integrating GIS images and published control points
- Annotating and plotting the completed sheet

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This session was presented by Jennifer DiBona on 09/19/2017.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces with Breaklines and Merge NED Data

This webinar explains how to build accurate surface models in Carlson Survey and Civil by using point and breakline data effectively. It covers the workflow from basic TIN creation to merging surfaces and understanding why building from contours alone creates errors.

Key Topics:

- Building surfaces from points and breaklines
- Defining and using 3D polylines in Carlson
- Field to Finish automation for breaklines
- Merging survey data with public datasets (NED)
- Quality control and common surface modelling errors

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This session was presented by Jennifer DiBona on 09/12/2017.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces with Breaklines and Field to Finish

This webinar teaches the fundamentals of creating and refining surface models in Carlson Software, focusing on triangulation, contours, breaklines and data management practices. It demonstrates both manual and automated (Field-to-Finish) workflows for building accurate digital terrain models and combining multiple surfaces.

Key Topics:

- Carlson surface modeling and triangulation setup
- Importance and creation of breaklines
- Field-to-Finish automation
- Contouring accuracy and source data challenges
- Merging and inspecting TIN files and surfaces

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This session was presented by Jennifer DiBona on 06/13/2017.

SiteNet & Takeoff Menus in Civil, Construction and Takeoff

A Virtual Webinar Using Carlson Software – Learn to Build Surfaces and Calculate Quantities with SiteNet and Takeoff

This webinar provides an in-depth walkthrough of using the SiteNet and Takeoff menus in Carlson Civil and Construction software to create, manage and analyze site models and quantities. The session covers layer organization, defining materials, setting surface parameters and running earthwork and quantity takeoffs efficiently.

Key Topics:

- Defining and managing layers for existing and design surfaces
- Using SiteNet/Takeoff commands for model building and material quantification
- Creating and applying subgrade and topsoil logic in surfaces
- Generating visual checks, reports and volume calculations

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This session was presented by Jennifer DiBona on 12/20/2017.