

2016 Virtual Classroom – Survey & GIS Virtual Workshop – Session 2 Recorded 05/17/2016

This Carlson Survey training session, led by Jeremy Taylor and hosted by That CAD Girl, provides a detailed walkthrough of traverse adjustment workflows using Carlson Survey's raw data editor and processing tools. The session also covers creating cut sheets for construction staking and introduces least squares adjustments and SurvNet integration.

Key Topics:

- Traverse adjustment and raw data processing in Carlson Survey
- Angle balancing, compass and least squares adjustments
- Cut sheet creation for construction staking
- Integration with SurvCE and SurvNet

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

This session was presented by Jeremy Taylor on 05/17/2016.

2016 Virtual Classroom –

Survey & GIS Virtual Workshop

– Session 1

Recorded 05/17/2016

This session from That CAD Girl's 2016 Virtual Workshop introduces practical tips and workflows for survey and GIS users in Carlson Software. It covers deed entry, control point search, georeferencing, Google Earth and Esri map integration, and creating GIS databases directly within Carlson.

Key Topics:

- Entering and correcting deed descriptions in Carlson Survey
- Using "Search Published Control" for NGS monuments
- Georeferencing drawings and importing imagery from Google Earth or Esri ArcGIS
- Integrating GIS data with SurvCE/SurvPC for field collection
- Building a GIS database and performing attribute queries in Carlson GIS

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This session was presented by Jennifer DiBona on 05/17/2016.

2020 Virtual Workshop 3-6 Hot New Features in Carlson 2021 Recorded 12/17/2020.

This virtual workshop session showcased new and enhanced features in Carlson 2021 software, focusing on Survey, Civil, and CADNet modules. Presenter Scott Griffin demonstrated dynamic point attributes, BIM/Revit file integration, road network improvements, and advanced parking design tools for surveyors and engineers.

Key Topics:

- Dynamic Point Attributes in Survey module
- BIM/Revit file import and manipulation in CADNet
- Road Network enhancements including hammerhead cul-de-sacs
- New Parking Network and design tools
- Handicap and layout customization features

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This session was presented by Scott Griffin on 12/17/2020.

2020 Virtual Workshop 3-8 Utility Network Design in

Carlson Hydrology Recorded 12/17/2020.

This virtual Carlson Software workshop, led by Mark Long, provided an in-depth demonstration of detention pond design, hydrology analysis, and utility network creation within Carlson Civil and Hydrology. The session covered practical workflows, design parameters, and troubleshooting tips for stormwater management and utility modeling.

Key Topics:

- Detention pond design and hydrology setup
- Rainfall data integration and hydrograph generation
- Outlet structure configuration (riser, orifice, weir)
- Utility network creation and pipe crossing management
- Troubleshooting and Q&A with developers

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This session was presented by Mark Long on 12/17/2020.

Using Carlson GIS for Base Mapping

Recorded 5/27/2021

This webinar demonstrates how to use Carlson GIS tools for creating survey base maps by integrating publicly available GIS, LiDAR, and imagery data. Doug Oberg walks through importing shape files, labeling parcels, adding contours, and overlaying aerial imagery to produce accurate, data-rich base plans.

Key Topics:

- Importing and managing GIS shape files
- Creating and labeling parcel base maps
- Integrating LiDAR, contour, and imagery data

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This session was presented by Doug Aaberg on 05/27/2021.

Survey Project from Field to Plotted Sheet

Recorded 1/12/2021

This webinar demonstrates a complete Carlson Survey workflow, showing how to take raw field data through coordinate file creation, deed entry, surface modeling, and final sheet plotting. It covers practical commands, configuration tips, and troubleshooting steps for surveyors using Carlson 2020/2021 on IntelliCAD.

Key Topics:

- Carlson configuration and project setup
- Importing and managing point data (CRD files)
- Deed entry, correlation, and legal description tools
- Field-to-Finish automation and surface creation
- Plotting, labeling, and sheet preparation

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This session was presented by Jennifer DiBona on 01/12/2021.

Surfaces and Breaklines – the Basics

Recording 1/19/2021

This webinar introduces the foundational concepts of surface modeling and breaklines in Carlson Civil and Takeoff. It covers how to prepare data, build accurate surfaces, use breaklines effectively, and avoid common pitfalls when working with contours and triangulated irregular networks (TINs).

Key Topics:

- Surface modeling fundamentals in Carlson Civil/Takeoff
- Using 3D Viewer and Shrink Wrap Entities

- Managing non-surface points and breaklines
- Field-to-Finish automation
- Combining and exporting surface data

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This session was presented by Jennifer DiBona on 01/19/2021.

Practical LotNet in Carlson Software

Recorded 10/14/2021

This webinar, hosted by That CAD Girl and presented by Mark Long, provides a detailed walkthrough of Carlson Software's LotNet tools for practical subdivision layout design. The session covers setup, configuration, and efficient workflows for creating, labeling, and adjusting residential lots using Carlson's automation features.

Key Topics:

- Practical use of LotNet for subdivision design
- Setting up boundaries, right-of-way, and lot edges
- Automating lot labeling, numbering, and setbacks
- Adjusting lot layouts and cleaning linework
- Tips for efficient and profitable subdivision planning

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This session was presented by Mark Long on 10/14/2021.

Overview of Carlson Field to Finish

Recorded 3/10/2021

This webinar provides a step-by-step introduction to Carlson Software's Field to Finish workflow, showing how to configure FLD files, process survey points, and generate automatic linework and symbols. Attendees learn how to move from raw field data to a clean, layered drawing ready for mapping or surface modeling.

Key Topics:

- Introduction to Field to Finish concepts
- Comparison with Land Desktop / Civil 3D description keys
- Creating and editing FLD files
- Managing point layers, symbols, and linework
- Using special codes and linework automation
- Handling 2D vs 3D polylines and breaklines

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This session was presented by Jennifer DiBona on 03/10/2021.

More Surfaces: Volumes, Editing & Display Tips & Tricks

Recorded 10/12/2021

This webinar, hosted by That CAD Girl, provides an in-depth walkthrough of Carlson Software's surface modeling tools, including creating, editing, and analyzing surfaces, volumes, and contours. Jennifer demonstrates practical workflows for managing TIN files, comparing surfaces, and visualizing data in 3D for civil and survey applications.

Key Topics:

- Working with TIN files and surface visualization
- Creating and editing surfaces, contours, and boundaries
- Volume calculations and cut/fill analysis
- Integrating GIS and elevation data
- Practical Carlson Civil and Survey tips

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This session was presented by Jennifer DiBona on 10/12/2021.