

If you're not using Land XML you should be (yes, all of you)

A Virtual Webinar Using Carlson Software – Learn from a LandXML Webinar for Surveyors to Protect Project Data

This webinar, hosted by Jennifer DiBona of That CAD Girl, introduces LandXML as a critical, non-proprietary data exchange standard for civil, survey, and construction professionals. Joined by LandXML creator Nathan Kruse, the session demonstrates how to use LandXML for reliable data transfer, archival, and long-term accessibility across software platforms like Carlson, Civil 3D, and Land Desktop.

Key Topics:

- What is LandXML and how to import/export it in major CAD platforms
- Benefits of using LandXML for data exchange and project archiving
- LandXML 2.0 developments and widespread adoption in government and industry

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

Doug's Favorite Things in Carlson Desktop Software – by Doug Aaberg

A Virtual Webinar Using Carlson Software – Learn Carlson Lot Net Webinar Tips for Faster Survey 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

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

Advanced Road Network Design with Carlson RoadNet

A Virtual Webinar Using Carlson RoadNet – Learn Advanced Road Design Workflows

This recorded webinar demonstrates advanced road network design methods using Carlson RoadNet 2017 (beta). Mark Long explains practical workflows for template setup, super-elevation, grading transitions, median breaks, and template-point centerlines to manage complex roadway and drainage conditions.

Key Topics:

- Setting up Carlson RoadNet 2017 beta environment
- Super-elevation creation and adjustment per AASHTO standards
- Template transitions to minimize environmental impact
- Median breaks and template-series files
- Cross-sections and template-point centerline usage

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This session was presented by Mark Long on 04/20/2016.

Grading Tips & Tricks with Carlson Survey, Civil, Takeoff & Construction

A Virtual Webinar Using Carlson Software – Learn Carlson grading tips

This webinar, presented by That CAD Girl, offers an in-depth walkthrough of grading workflows and surface modeling in Carlson Survey, Civil, Takeoff, and Construction. It demonstrates practical tips for setting up coordinate systems, importing imagery, clipping TINs, designing pads, balancing earthwork, and integrating with RoadNet.

Key Topics:

- Grading workflows using Carlson Civil Suite
- Working with surfaces, TIN files, and contour generation
- Using Design Pad Template and balancing cut/fill
- Topsoil removal, merging surfaces, slope and volume reports
- Using 2D→3D tools for polylines and elevations
- Introduction to RoadNet for full subdivision design

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This session was presented by Jennifer DiBona on 07/22/2015.

Advanced Road Design with Carlson RoadNet

A Virtual Webinar Using Carlson RoadNet – Learn advanced road design workflows

This recorded webinar presents an in-depth walkthrough of advanced roadway design techniques using *Carlson RoadNet*. Mark Long demonstrates practical strategies for median roadways, super-elevation, intersections, template point centerlines, and other elements common to real-world civil engineering projects.

Key Topics:

- Template creation & ID consistency
- Centerlines, profiles, and template point centerlines (TPCs)
- Managing widenings, medians, and on-street parking
- Configuring *RoadNet* processing and output options
- Super-elevation setup based on AASHTO standards
- Cross-sections, intersections, and curb design workflows

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This session was presented by Mark Long on 07/08/2015.

Introducing Carlson Precision 3d Culverts by Bruce Carlson

A Virtual Webinar Using Carlson Precision 3D – Learn Precision 3D webinar workflows for culvert design

This recorded webinar introduces **Carlson Precision 3D Culverts**, a new 3D design platform from Carlson Software led by Bruce Carlson. The presentation demonstrates real-time 3D hydrology and culvert design, model integration with Carlson Civil and Hydrology, and insights into future extensions for full hydrologic and roadway modeling.

Key Topics:

- Precision 3D Culverts software introduction & objectives
- Live demonstration of 3D culvert and hydrology design
- File and data integration between Carlson Civil and Precision 3D
- Future development roadmap (Hydrology, Storm Sewer, and BIM)
- User Q&A on pricing, availability, and upcoming features

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This session was presented by Jennifer DiBona on 03/31/2015.

Design and Drafting of Ponds, Pipes and Structures – with Mark Long of Carlson Software

A Virtual Webinar Using Carlson Hydrology – Learn Carlson Hydrology webinar workflows for ponds and pipes

This comprehensive Carlson Hydrology webinar walks attendees through the complete process of designing and drafting ponds, pipes, and drainage structures. It covers watershed setup, rainfall libraries, sewer-network design, detention-pond sizing, and live demonstrations of hydrology and civil-design automation tools.

Key Topics:

- Watershed layer definition and runoff coefficients
- Rainfall and sewer-structure libraries setup
- Pipe-network creation and hydraulic design process
- Spreadsheet Sewer Editor usage and HGL visualization
- Detention-pond sizing, stage-storage, and outlet design

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This session was presented by Mark Long on 03/23/2015.

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.

Overview of Carlson Takeoff

A Virtual Webinar Using Carlson Takeoff – Learn Carlson Takeoff Estimating Webinar Workflows for Site Quantities

This webinar provides a detailed walkthrough of Carlson Takeoff, covering its core functions in cut/fill estimation, subgrade modeling, trench calculations, geotechnical data integration, and handling of CAD/PDF drawings. Todd Carlson demonstrates real-world workflows for contractors and estimators, from data preparation to volume reports and 3D visualization.

Key Topics:

- Introduction to Carlson Takeoff Suite and modules
- Setting up boundaries, layers, and surfaces
- Cut/fill and subgrade calculations
- Integrating borehole and strata data
- Working with CAD and PDF plans
- Trench design, cost, and quantity reporting

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This session was presented by Todd Carlson on 10/02/2017.

Field to Finish with Doug Aaberg, PLS

A Virtual Webinar Using Carlson Software – Learn Carlson Survey point staking webinar workflows

This recorded webinar features Carlson Software's Doug Aaberg demonstrating the complete setup and workflow of the *Field to Finish* process within Carlson Survey. The session teaches how to configure code tables, manage attributes and layers, and automate CAD drafting directly from field data collection.

Key Topics:

- Introduction to Carlson's Field to Finish workflow
- Setting up and editing Field Code Tables (FLD files)
- Attributes vs. text-based labeling workflows
- Layer management best practices
- Using templates for efficiency (e.g., curbs, ramps, trees)
- Incorporating special codes and GIS attributes
- Managing survey points, breaklines, and automated surface modeling

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This session was presented by Doug Aaberg on 08/15/2017.