

An Overview of LandXML to Share and Transfer Files Recorded on 2/20/2020

This webinar explains the importance of using LandXML as a universal data exchange format for civil engineering, surveying, and construction workflows. It demonstrates how LandXML enables seamless sharing of surfaces, points, alignments, and profiles between Carlson, Civil 3D, Land Desktop, and machine control systems.

Key Topics:

- Purpose and benefits of LandXML
- Data compatibility between Carlson, Civil 3D, and other CAD systems
- How to import/export LandXML files
- Archiving and long-term data preservation

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

This session was presented by Jennifer DiBona on 02/20/2020.

Down & Dirty Data Transfer between Carlson and Other

Programs

Recorded 7/15/2020

This webinar explains practical methods for transferring survey and civil data between Carlson Software and Autodesk Civil 3D. It covers handling Civil 3D objects, converting points and surfaces, exporting and importing DWG files, and using LandXML for reliable cross-platform data exchange.

Key Topics:

- Converting Civil 3D points and surfaces into Carlson formats
- Understanding proxy entities and Civil 3D object limitations
- Exporting Civil 3D drawings to AutoCAD DWG
- Using LandXML for seamless data transfer between platforms

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This session was presented by Jennifer DiBona on 07/15/2020.

Site Grading Tips & Tricks

Recorded 12/19/2018

This webinar by That CAD Girl demonstrates practical grading workflows in Carlson Software, covering surface creation, merging, and pad design techniques. It provides step-by-step examples for building, editing, and inspecting TIN surfaces and

grading pads using Carlson Survey, Civil, and Construction modules.

Key Topics:

- Creating and merging TIN surfaces
- Using public elevation data (NED/USGS)
- Pad grading and slope projection
- Design Pad Template vs. manual grading
- 3D Polyline and elevation editing tools

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This session was presented by Jennifer DiBona on 12/19/2018.

Mark's Favorite Things in Carlson Desktop Software – by Mark Long Recorded 10/11/2018

This webinar features Mark Long from Carlson Software demonstrating his favorite tools and workflows in Carlson Civil and Hydrology. He walks through road design, template point centerlines, surface modeling, and hydrology setup, offering practical examples and design tips for everyday engineering tasks.

Key Topics:

- Carlson Road Network and Template Point Centerlines

- Surface modeling and grading workflows
- Hydrology setup, watershed layers, and storm drainage design

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This session was presented by Mark Long on 10/11/2018.

Jeremy's Favorite Things in Carlson Desktop Software – by Jeremy Taylor PLS 11/09/2018

This webinar features licensed surveyor Jeremy Taylor sharing his favorite tools and workflows in Carlson Desktop Software. He demonstrates practical tips for surveyors and CAD professionals to streamline drafting, data management, and field-to-finish processes.

Key Topics:

- Carlson Software utilities and cleanup tools
- Best Fit Centerline and Lot Closure workflows
- Legal Description Writer and sequential numbering
- Integration with Google Earth and Carlson Cloud
- Importing PDFs and creating alignments/profiles

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This session was presented by Jeremy Taylor on 11/09/2018.

Drawing Templates, Carlson Layer Library & Other Layer Management Tips

Recorded 07/27/2018

This webinar explains how to create, customize, and manage drawing template files (DWT) and layers in Carlson Software and AutoCAD/IntelliCAD. It covers best practices for setting up company standards, using the Layer Library, and improving drawing efficiency through template customization.

Key Topics:

- Creating and customizing DWT template files
- Understanding Carlson and NCS layer standards
- Using Layer Library for layer management and standardization

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This session was presented by Jennifer DiBona on 07/27/2018.

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

09/10/2018

This Carlson Software webinar, led by Doug Aaberg and hosted by That CAD Girl, explores best practices, common pitfalls, and advanced tools in Carlson Survey and Civil software. The session covers coordinate file management, field-to-finish workflows, point linking, annotation automation, and data integrity techniques for surveyors and engineers.

Key Topics:

- Managing coordinate files (CRD) and linking points correctly
- Understanding Carlson's object linking and XData
- Field-to-Finish setup, point groups, and code management
- Real-Z elevation settings and 3D drafting issues
- Deed correlation, auto-annotation, and curb/ramp templates

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This session was presented by Doug Aaberg on 09/11/2018.

2016 Virtual Classroom – Survey & GIS Virtual Workshop – Session 6 Recorded 05/17/2016

This session of the Surveying GIS Virtual Workshop focuses on transforming 2D CAD drawings into 3D models for use in surveying, construction stakeout, and model building. It provides step-by-step demonstrations of Carlson Software tools for elevating, labeling, and cleaning up engineering drawings to prepare accurate 3D surfaces.

Key Topics:

- Converting 2D entities to 3D using Carlson Civil tools
- Elevating building pads, curbs, and contours
- Cleaning and preparing engineering drawings for modeling
- Managing layers, blocks, and Civil 3D/Land Desktop data
- Creating working drawings and exporting surfaces

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

2016 Virtual Classroom –

Survey & GIS Virtual Workshop

– Session 5

Recorded 05/17/2016

This session of the Survey and GIS Virtual Workshop provided a detailed walkthrough of Carlson Software's Field to Finish functionality, led by Scott Griffin. The presentation demonstrated how to automate drawing creation from field data, manage codes, and integrate 3D elements, pipes, and GIS attributes within Carlson Survey.

Key Topics:

- Carlson Field to Finish setup and workflows
- Code tables, special codes, and feature types (Tree, Pipe, Topo)
- Creating 3D trees, pipes, and curb templates
- Generating tree legends, SEW files, and 3D PDFs
- Importing and converting PDF files using CADnet

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This session was presented by Scott Griffin on 05/17/2016.

2016 Virtual Classroom –

Survey & GIS Virtual Workshop

– Session 4

Recorded 05/17/2016

This virtual class, hosted by That CAD Girl and presented by Jeremy Taylor, provides a comprehensive overview of Carlson's field software—SurvCE and SurvPC—and demonstrates practical workflows for survey data collection, cloud file sharing, and GPS/localization setup. The session also covers integration with Carlson Survey desktop software and best practices for efficient field-to-office coordination.

Key Topics:

- Differences between SurvCE and SurvPC
- Using Carlson Cloud for file transfer and collaboration
- Job setup, configuration, and data management
- Integration with total stations and GPS rovers
- Working with CAD files and alignments in the field
- Ground vs. grid coordinate handling and localization

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