An Overview of LandXML to Share and Transfer Files

A Virtual Webinar Using Carlson Software – Learn to Share and Archive Project Data with LandXML

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 ha ve 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

A Virtual Webinar Using Carlson Software – Learn to Transfer Data Between Programs

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 from the Output tab
- Using LandXML to move surfaces and alignments between programs
- Choosing the right transfer method for each type of data

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

Deeds of Lots and Lots of Lots

A Virtual Webinar Using Carlson Software – Create Deeds, Lots and Legal Descriptions

This webinar demonstrates how to use Carlson Survey tools to create and manage property deeds, lot boundaries and subdivision layouts. It covers deed entry, editing, labeling, legal description generation and automated lot network design for surveyors and civil designers.

Key Topics:

- Entering and editing deed descriptions (PDD files)
- Creating and labeling lots and boundaries
- Legal description writer and map check tools
- Lot network setup for subdivision design
- Automating setbacks and building footprints

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This session was presented by Jennifer DiBona on 05/12/2020.

The Very Basics of Carlson Field to Finish

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

This webinar introduces the foundational concepts of Carlson Software's Field to Finish feature, demonstrating how to automate point layering, symbol insertion and linework creation based on field descriptions. It provides a step-by-step walkthrough of setting up FLD files, managing layers and using special codes for survey data processing.

Key Topics:

- Setting up and editing Field to Finish (FLD) code tables
- Automating point layering from field descriptions
- Automating symbol insertion in Carlson Survey
- Creating linework from field descriptions
- Managing layers and attributes
- Using special codes for survey data processing

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

This session was presented by Jennifer DiBona on 08/21/2018.

Survey Project From Start to Finish

A Virtual Webinar Using Carlson Software – Complete a Survey Project from Field to Plotted Sheet

This webinar provides a complete walkthrough of managing a survey project in Carlson Software—from initial setup and importing field data to creating surfaces, labeling and producing final deliverables. It demonstrates practical workflows, configuration tips and best practices for surveyors using Carlson Survey and Field-to-Finish tools.

Key Topics:

- Carlson Survey project setup and configuration
- Importing and managing point data (CRD, ASCII)
- Field-to-Finish processing and layer management
- Deed entry, correlation and legal description tools
- Surface creation, contouring and annotation
- Map finishing: legends, scales and title blocks

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This session was presented by Jennifer DiBona on 08/16/2018.

Surfaces and Breaklines – the Basics

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

This webinar provides a detailed walkthrough of creating accurate terrain surfaces in Carlson Software, focusing on the importance of breaklines, triangulation and contour generation. It demonstrates common pitfalls when building surfaces from contours and offers best practices for using field data, 3D polylines and LandXML files for reliable surface modeling.

Key Topics:

- Creating and editing surfaces in Carlson Software
- Using triangulate and contour commands
- Understanding breaklines and their role in accurate surfac e modeling
- Problems with building surfaces from contours
- Importing and merging surface data (NED, DEM, TIN files)
- Using Surface Inspector and Field-to-Finish tools

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

This session was presented by Jennifer DiBona on 08/15/2018.

Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Improve Grading and Quantity Workflows

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.

Overview of LandXML to Share and Transfer Data

A Virtual Webinar Using LandXML – Learn to Share and Transfer Civil Data

This webinar provides a detailed overview of LandXML-an open, non-proprietary data format used to exchange survey, civil and land-development information between software such as Carlson Civil and Autodesk Civil 3D. Participants learn how to export, import and archive project data using LandXML to ensure long-term accessibility and cross-platform compatibility.

Key Topics:

- What LandXML is and why it matters
- LandXML as an open non-proprietary data format
- Exporting LandXML from Carlson Civil and Civil 3D
- Importing LandXML into Carlson Civil and Civil 3D
- Using LandXML to archive project data
- Collaboration and machine-control workflows with LandXML

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

This session was presented by Jennifer DiBona on 11/08/2018.

Overview of Carlson GIS

A Virtual Webinar Using Carlson GIS – Learn to Import, Query and Label Shapefile Data

This webinar provides a practical introduction to Carlson GIS, demonstrating how to import, manage and visualize geospatial data such as shapefiles, images and parcel information. It covers fundamental GIS setup, data linking, querying, labeling and exporting to Google Earth using Carlson GIS tools.

Key Topics:

- Importing and managing ESRI shapefiles
- Setting up GIS feature and database files
- Using queries, labeling and inspector tools
- Integrating imagery and exporting to Google Earth
- Creating and maintaining parcel-based GIS databases

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

This session was presented by Jennifer DiBona on 09/25/2018.

Making Models from a Mess

A Virtual Webinar Using Carlson Software – Learn to Elevate 2D Drawings into 3D Models

This webinar, Making Models from a Mess, teaches Carlson Software users how to clean up poorly drafted CAD drawings and convert 2D entities into accurate 3D models for staking and surface modeling. It covers essential tools, workflows and best practices for managing layers, fixing geometry and elevating polylines to create usable 3D data.

Key Topics:

- Cleaning and organizing messy CAD drawings
- Elevating 2D polylines and contours to 3D
- Managing layers and converting Civil 3D/Land Desktop data
- Using Carlson tools for model building and stakeout preparation
- Handling spot elevations, contours and building pads

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

This session was presented by Jennifer DiBona on 10/25/2018.