

# An Overview of LandXML to Share and Transfer Files

## A Virtual Webinar Using Carlson Software – Learn to Process Drone Data

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.*

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# 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
- Using LandXML for seamless data transfer between platforms

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

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# Deeds of Lots and Lots of Lot

## A Virtual Webinar Using Carlson Software – Explore Civil Suite Workflows

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.*

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# Centerlines, Profiles & Overview of RoadNet

## A Virtual Webinar Using Carlson Software – Learn to Create Centerlines and Profiles

This webinar provides a step-by-step introduction to creating centerlines, profiles, and road networks using Carlson Civil software. It covers both manual methods and automated workflows through Carlson RoadNet for efficient roadway design and grading.

### Key Topics:

- Creating and editing centerline (CL) and profile (PRO) files
- Linking linework and labels in Carlson Civil
- Drawing and labeling profiles for roads, sewers, and crossings
- Using Carlson RoadNet for multi-road networks and intersections
- Generating surfaces, templates, and grading automation

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

*This session was presented by Jennifer DiBona on 03/26/2020.*

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# Advanced Field to Finish – Perfecting Coding & Creating Linework

## A Virtual Webinar Using Carlson Software – Learn to Perfect Field Coding

This advanced Carlson Survey webinar demonstrates how to perfect field-to-finish coding and generate accurate linework directly from survey data. It covers building and editing FLD files, normalizing field codes, and using special codes to automate linework creation.

### Key Topics:

- Creating and editing Field-to-Finish (FLD) files
- Normalizing and bulk-importing point descriptions
- Using special codes for linework, curves, offsets, and closures

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

*This session was presented by Jennifer DiBona on 03/18/2020.*

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# Tips & Tricks to Recover Corrupt Drawings

## A Virtual Webinar Using AutoCAD, IntelliCAD and Carlson Software – Learn to Recover Corrupt Drawings

This webinar by That CAD Girl provides practical guidance on recovering and repairing corrupt DWG files using AutoCAD, IntelliCAD, and Carlson Software tools. It covers essential commands, troubleshooting workflows, and Autodesk utilities to restore damaged drawings efficiently.

### Key Topics:

- Using PURGE, AUDIT, and WBLOCK commands to clean drawings
- Recovering inaccessible DWG files with RECOVER and RECOVER ALL
- Leveraging DWG TrueView and DWG Convert for file repair and version conversion
- Handling Civil 3D files and registered applications
- Managing layouts and Xrefs during recovery

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*This session was presented by Jennifer DiBona on 02/09/2021.*

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# Survey Project from Field to Plotted Sheet

## A Virtual Webinar Using Carlson Software – Learn to Complete Survey Workflows

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.*

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# Surfaces and Breaklines – the Basics

## A Virtual Webinar Using Carlson Software – Learn to Build Accurate Surfaces

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

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

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

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# SiteNet & Takeoff Menus In Carlson Civil, Construction & Takeoff

## A Virtual Webinar Using Carlson Software – Learn to Calculate Site Quantities

This webinar provides a detailed walkthrough of surface modeling and material takeoff workflows using Carlson Civil and Construction's SiteNet and Takeoff menus. Jennifer DiBona explains how to prepare clean CAD layers, define surfaces, calculate volumes, and generate material quantity reports for accurate construction estimating.

### Key Topics:

- Layer management and cleanup for surface modeling
- Defining existing and design surfaces in SiteNet
- Setting up subgrade, topsoil, and boundary polylines
- Calculating cut/fill volumes and material quantities
- Visual verification and troubleshooting techniques

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

*This session was presented by Jennifer DiBona on 01/27/2021.*

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# **Overview of Carlson Field to Finish**

## **A Virtual Webinar Using Carlson Software – Learn to Automate Field Data Drafting**

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.*