# 2021 Virtual Workshops Session #3-2: Site Grading Project from Start to Finish

## A Virtual Workshop Using Carlson Software – Learn Site Grading from Start to Finish

This virtual workshop session, led by Jennifer DiBona of That CAD Girl, provides a comprehensive walkthrough of a site grading project using Carlson Civil software. The training covers practical tools and workflows for converting 2D linework into 3D models, managing layers and building accurate grading surfaces from start to finish.

**Key Topics:**

- Elevating 2D to 3D polylines using Carlson Civil tools
- Layer management and PDH credit tracking
- Site grading workflow: building pads, curbs, slopes and surfaces
- Managing arcs, vertices and polyline densification
- Creating and refining surface models for design and construction

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

*This session was presented by Jennifer DiBona on 12/09/2021.*

# 2021 Virtual Workshops Session #3-1: Basics of Surface Modeling in Carlson Software

## A Virtual Workshop Using Carlson Software – Learn Building and Troubleshooting Surface Models

This session from That CAD Girl's 2021 Virtual Workshops introduces the fundamentals of surface modeling in Carlson Software. Jennifer DiBona demonstrates how to build, verify and refine surfaces using points, breaklines and public elevation data sources.

**Key Topics:**

- Building and checking surfaces in Carlson Software
- Using shrink-wrap boundaries, 3D viewer and triangulate & contour tools
- Creating and applying breaklines for accurate terrain mode ls
- Importing and merging public elevation datasets (NED, Goog le Earth)
- Best practices for contour generation and data exchange (L andXML)

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

*This session was presented by Jennifer DiBona on 12/09/2021.*

---

# 2021 Virtual Workshops Session #2-4: Basic Introduction to Carlson Field to Finish

## A Virtual Workshop Using Carlson Software – Learn Field-to-Finish Fundamentals

This virtual workshop session provides an in-depth demonstration of Carlson Software's *Field to Finish* feature, showing how to automate point layering, symbol insertion and linework generation from survey data. The session walks through setup, coding and customization of FLD files to streamline survey drafting and surface modeling workflows.

**Key Topics:**

- Introduction to Carlson Field to Finish
- Comparison to Land Desktop and Civil 3D description keys
- Setting up and editing FLD code tables
- Layer management and symbol control

- Handling descriptive codes and special characters
- Q&A on tree surveys, point groups and symbol scaling

*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 12/02/2021.*

---

# 2021 Virtual Workshops Session #2-3: Survey Project from Start to Finish

## A Virtual Workshop Using Carlson Software – Learn Survey Project from Deed Entry to Surface

This session from the 2021 Virtual Workshops walks participants through a complete Carlson Survey project from importing field data and creating boundaries to building surfaces and generating deliverables. Jennifer DiBona demonstrates practical workflows, data management techniques and visualization tools to streamline survey drafting and analysis.

**Key Topics:**

- Importing and managing survey point data
- Creating boundaries and deed descriptions
- Using point groups, field-to-finish and surface modeling

- Deed correlation and alignment tools
- Annotation, legends and final sheet preparation

*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 12/02/2021.*

---

# 2021 Virtual Workshops Session #2-2: Intro to Carlson Software

## A Virtual Workshop Using Carlson Software – Learn Configuration, Templates and Project Setup

This virtual workshop session introduces participants to Carlson Software, covering setup, configuration and point management within IntelliCAD. It explains default settings, project folder organization, templates and best practices for integrating Carlson with AutoCAD and Civil 3D workflows.

**Key Topics:**

- Carlson Software interface and module overview
- Default configuration and project/data folder setup
- Managing settings, templates and builds
- Working with points, surfaces and coordinate files

- Importing Civil 3D data and LandXML files

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

*This session was presented by Jennifer DiBona on 12/02/2021.*

---

# 2021 Virtual Workshops Session #2-1 Very Basic Introduction to CAD for Carlson Users

## A Virtual Workshop Using CAD – Learn Basic CAD Commands for Carlson Users

This Carlson Software virtual workshop explores configuration, templates and project setup, demonstrating core tools and settings that help surveyors and CAD professionals develop reliable project workflows. The session covers versions and updates, carlson configure, project data folders and practical checks that support consistent model and drawing output.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

**Key Topics:**

- Versions and Updates
- Carlson Configure
- Project Data Folders
- File Management

*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 12/02/2021.*

---

# 2021 Virtual Workshops Session #1-6: Tips & Tricks in Carlson Software and Wrap Up

## A Virtual Workshop Using Carlson Software – Learn Custom Linetypes, Plot Styles and Dimensions

This 2021 Virtual CAD Workshop session, led by Jennifer DiBona of That CAD Girl, focuses on practical CAD fundamentals including line types, line weights and dimension styles in AutoCAD and Carlson Software. The session provides detailed demonstrations, explanations of key settings and best practices for achieving consistent, professional-quality drawings.

**Key Topics:**

- Understanding and controlling line type display (LTscale, PLineGen, PSLTscale)
- Creating and editing custom line types with text
- Managing line weights and CTB plot styles
- Setting up and scaling dimension styles effectively

*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 12/01/2021.*

---

# 2021 Virtual Workshops Session #1-5: Tips & Tricks in Carlson Survey

## A Virtual Workshop Using Carlson Software – Learn Tips and Tricks in Survey

This Carlson Software virtual workshop, led by Doug Aaberg, provided advanced tips and tricks for Carlson Survey users, focusing on configuration management, field-to-finish workflows and CAD efficiency tools. The session covered settings migration, annotation management, field text automation, grid-to-ground scaling and practical drafting shortcuts for survey professionals.

**Key Topics:**

- Carlson Settings Server and configuration management
- Field-to-Finish setup and standardization
- Annotative text, field text and title block automation
- Grid-to-ground and rotation angle tools
- Drafting productivity commands and bug discussions

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

*This session was presented by Doug Aaberg on 12/01/2021.*

---

# 2021 Virtual Workshops Session #1-4: Tips & Tricks in Carlson Civil & Hydrology

## A Virtual Workshop Using Carlson Software – Learn Hydrology and RoadNet Tips

This virtual workshop session, led by Mark Long from Carlson Software, explores advanced design workflows in Carlson Civil, focusing on RoadNet, hydrology and utility network tools. Attendees learned practical tips for roadway design, intersection grading, sewer and stormwater modeling and creating custom structures for efficient civil engineering design.

**Key Topics:**

- RoadNet advanced features and intersection control
- Grading, pad elevation and contour management
- Sewer and storm drainage network design
- Utility network setup and waterline crossings
- Custom structure and inlet creation

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

*This session was presented by Mark Long on 12/01/2021.*

---

# 2021 Virtual Workshops Session #1-2 Tips & Tricks for Standardizing Carlson Software with IntelliCAD

## A Virtual Workshop Using Carlson Software – Learn CAD Standards, Blocks and Tool Palettes

This session from That CAD Girl’s 2021 Virtual Workshops features Travis Maxwell presenting advanced Carlson Software and IntelliCAD techniques for establishing and maintaining CAD standards. The webinar covers fonts, line types, blocks, symbol libraries and tool palettes to streamline drafting workflows and ensure consistent, efficient project delivery.

**Key Topics:**

- Managing fonts, line types and CAD standards in Carlson Software
- Creating and scaling custom blocks and symbols
- Setting up shared symbol libraries and tool palettes
- Troubleshooting IntelliCAD compatibility issues
- Implementing company-wide CAD standards and workflows

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

*This session was presented by Travis Maxwell on 12/01/2021.*