

# Carlson Field to Finish – Perfecting Coding & Creating Linework Recorded 9/10/2024

This advanced Carlson Field to Finish webinar, hosted by That CAD Girl, guides users through coding best practices, FLD file creation, and efficient linework generation in Carlson Survey. Jennifer DiBona demonstrates how to streamline field-to-office workflows, manage field codes, and apply special codes for automated drafting.

## Key Topics:

- Building and refining Carlson FLD (Field Code) files
- Managing field codes, layers, and symbols
- Using special codes for linework automation (e.g., PC/PT, CLO, RECT, JPN)
- Handling multiple codes, offsets, and curve geometry
- Workflow tips for consistency between field and office

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

*This session was presented by Jennifer DiBona on 09/10/2024.*

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# Basics of Surface Modeling in Carlson Software

## Recorded 2/7/2024

This webinar introduces the fundamentals of surface modeling in Carlson Software, covering how to prepare data, build and refine surfaces, and troubleshoot common issues. Participants learn practical workflows for triangulation, contour generation, breaklines, and integrating external elevation data.

### Key Topics:

- Preparing data and checking elevations before surface creation
- Triangulate & Contour workflow and shrink-wrap boundaries
- Using breaklines, non-surface points, and field-to-finish automation
- Importing and merging Google Earth and NASA elevation surfaces
- Contour labeling, line-type generation, and quality-control techniques

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This session was presented by Jennifer DiBona on 02/07/2024.

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# Taking Survey Projects from Field to Office with Emlid and your CAD

## Recorded 11/6/2025

This webinar from That CAD Girl and Emlid demonstrates how to streamline survey workflows from field data collection to CAD integration using Emlid's GNSS receivers and software. The session covers Emlid Flow and Flow 360 tools, data synchronization, project setup, and exporting results into CAD environments.

### Key Topics:

- Introduction to That CAD Girl and Complete CAD Solutions partnership with Emlid
- Overview of Emlid's latest GNSS receivers (Reach RX2, RS4, RS4 Pro)
- Demonstration of Emlid Flow and Flow 360 software integration with CAD
- Data collection, stakeout, and export workflows
- Q&A on localization, code libraries, and device compatibility

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*This session was presented by Julia Shestakova on 11/06/2025.*

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# Survey Tools for BricsCAD

## Recorded 07/10/2025

This webinar introduces MicroSurvey's *Survey Tools for BricsCAD*, a plugin designed to enhance BricsCAD with advanced survey data management, linework automation, and surface modeling capabilities. Presenter Matt McClain demonstrates how to import survey data, manage points, create surfaces, and export results to Google Earth.

### Key Topics:

- Overview of MicroSurvey's Survey Tools plugin for BricsCAD
- Importing and managing survey data (ASCII, FieldGenius, Leica DBX, etc.)
- Creating linework, surfaces, and visualizations within BricsCAD

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*This session was presented by Matt McLean on 07/10/2025.*

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# Survey Database and Dynamic Features In AutoCAD Civil 3D Recorded 3/20/2025

This webinar, hosted by That CAD Girl and presented by Elizabeth Valerio from CAD Masters, provided a detailed walkthrough of using the Survey Database and dynamic linework features in AutoCAD Civil 3D. The session covered setup, configuration, automated linework creation, and traverse analysis for survey data management and efficiency.

## Key Topics:

- Setting up and managing Civil 3D Survey Databases
- Automated linework and figure prefix databases
- Linework code sets and survey data import
- Traverse analysis and closure error visualization
- CAD Masters training and support services

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*This session was presented by Elizabeth Valerio on 03/20/2025.*

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# MicroSurvey Surfaciing Operations with MSCAD Recorded 5/22/2025

This webinar, hosted by That CAD Girl and presented by MicroSurvey's Matt McLean, provides a detailed walkthrough of surfacing and contouring operations in MicroSurvey CAD. Attendees learned how to create, configure, and visualize surfaces, contours, and terrain models using real-world data.

## Key Topics:

- Introduction to MicroSurvey CAD and product ecosystem
- Creating and managing surfaces and contours
- Configuration settings for modeling and visualization
- Handling boundaries, breaklines, and point data
- Labeling and smoothing contours

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*This session was presented by Matt McLean on 05/22/2025.*

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## Fast Track to Carlson Civil Suite & CADnet – Session #2-3

# Recorded March 14, 2024

This training session provides an in-depth walkthrough of Carlson Civil Suite's RoadNet, Hydrology, and CADnet modules, demonstrating practical workflows for road design, storm sewer layout, and converting PDF plans into CAD data. The instructor showcases real-world examples, emphasizing dynamic design updates, data management, and interoperability with Civil 3D and LandXML standards.

## Key Topics:

- RoadNet dynamic road design and intersection management
- Storm sewer network setup and hydrology drafting
- Exporting and archiving projects with LandXML
- CADnet tools for PDF-to-CAD conversion and digitizing
- Raster vs. vector PDF handling and troubleshooting

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*This session was presented by Jennifer DiBona on 03/14/2024.*

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# Fast Track to Carlson Civil Suite & CADnet – Session #2-2

## Recorded March 14, 2024

This training session from *That CAD Girl's Fast Track Carlson Civil Suite & CADnet* series covers creating and editing centerlines, profiles, and road networks using Carlson Civil and Survey. I

t demonstrates manual and automated design workflows, including RoadNet, profile editing, and template building for roadway design.

**Key Topics:**

- Centerline and profile creation in Carlson Survey and Civil
- Manual vs. RoadNet-based design workflows
- Profile editing, labeling, and linking data files
- Road network setup, templates, and intersections
- Troubleshooting and known issues in 2023–2024 builds

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*This session was presented by Jennifer DiBona on 03/14/2024.*

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## **Fast Track to Carlson Civil Suite & CADnet – Session #2-1 Recorded March 14, 2024**

This training session provides an in-depth walkthrough of Carlson Civil Suite's LotNet, grading, and 3D design tools, guiding users through lot subdivision, surface modeling, and site grading workflows. It demonstrates how to transition from 2D drafting to 3D design using Carlson Civil's powerful automation and data management features.

**Key Topics:**

- Carlson LotNet design and configuration
- Transitioning from 2D to 3D design workflows
- Site grading, surface modeling, and volume calculations
- Integration of Survey, Civil, GIS, Hydrology, and CADnet modules

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*This session was presented by Jennifer DiBona on 03/14/2024.*

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# **Fast Track to Carlson Civil Suite & CADnet – Session #1-3 Recorded March 12, 2024**

This session of the Fast Track Carlson Civil Suite & CADnet training focused on advanced survey and drafting workflows in Carlson Survey and Civil, including Field-to-Finish automation, surface modeling, labeling, and subdivision lot management. Participants learned how to streamline data processing from field collection through surface creation and annotation for professional deliverables.

## **Key Topics:**

- Field-to-Finish (FLD) setup and usage
- Surface modeling and non-surface point management
- Annotation, labeling, and line/curve tables

- Lot file and deed file creation and management
- Carlson Survey text and layout utilities

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*This session was presented by Jennifer DiBona on 03/12/2024.*