

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

## A Virtual Webinar Using Emlid and CAD – Learn to Streamline Survey Workflows

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

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

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

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## **That CAD Girl**

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## **Taking a Survey Project from Field to Plotted Sheet**

### **A Virtual Webinar Using Carlson Software – Learn to Complete Survey Workflow Projects**

This webinar demonstrates how to take a survey project workflow from raw field data through point import, deed correlation, surface modeling, and final sheet plotting using Carlson Software 2025. Jennifer DiBona provides a full workflow overview, best practices, and live demonstrations of core

Carlson commands and configuration options.

**Key Topics:**

- Importing and managing survey points in Carlson
- Creating and correlating deed boundaries
- Building surfaces and using Field-to-Finish
- Generating legal descriptions, legends, and plotted sheets

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

*This session was presented by Jennifer DiBona on 02/25/2025.*

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## **Survey Tools for BricsCAD**

### **A Virtual Webinar Using MicroSurvey and BricsCAD – Learn to Manage Survey Data**

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 McLean 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

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

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

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# **Survey Database and Dynamic Features In AutoCAD Civil 3D**

## **A Virtual Webinar Using AutoCAD Civil 3D – Learn to Manage Survey Databases**

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

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

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

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# **Paper Space and Plotting in CAD**

## **A Virtual Webinar Using CAD – Learn to Improve Paper Space Plotting**

This webinar provided a comprehensive walkthrough of paper space, model space, and plotting workflows in CAD (IntelliCAD/AutoCAD). Jennifer DiBona explained how to effectively use layout tabs, create and manage page setups, insert title blocks, and configure viewports for consistent

plotting. The session emphasized standardization, efficiency, and clarity in multi-sheet drawing sets. Key takeaways included how to set up page templates, lock viewport scales, manage layers per viewport, and resolve common plotting issues like line type scaling.

### **Key Topics:**

- Paper Space and Plotting fundamentals in CAD
- Upcoming webinars on Carlson and CAD Tips
- Certificate of Attendance requirements and policies

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

*This session was presented by Jennifer DiBona on 11/19/2025.*

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## **Overview of Paper Space, Title Blocks and Templates in CAD**

### **A Virtual Webinar Using AutoCAD and IntelliCAD – Learn to Standardize Title Blocks**

This webinar provides a comprehensive walkthrough of using paper

space, title blocks, and templates in CAD environments such as IntelliCAD and AutoCAD. It explains how to standardize plotting, manage multiple scales, and use sheet sets and fields to automate title block data.

**Key Topics:**

- Paper space vs. model space fundamentals
- Setting up layouts, viewports, and plot configurations
- Managing title blocks and templates
- Using sheet set manager and fields for 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 04/17/2025.*

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# **MicroSurvey                      Surfacing Operations with MSCAD**

## **A Virtual Webinar Using MicroSurvey – Learn to Create Terrain Models**

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

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

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

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# **MicroSurvey STARNET Least Squares Analysis**

## **A Virtual Webinar Using MicroSurvey STAR\*NET – Learn to Perform Least Squares Analysis**

This webinar, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, provides a comprehensive walkthrough of STAR\*NET analysis – a leading least squares adjustment software for survey data. The session covers data import, adjustment workflows, error detection, and integration of GPS and conventional survey data for accurate network

analysis.

### **Key Topics:**

- Overview of MicroSurvey's product suite
- Introduction to STAR\*NET least squares adjustment
- Data import and conversion workflows
- Error detection, residual analysis, and Chi-square testing
- Integration of GPS and conventional survey data
- Output options and reporting tools

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

*This session was presented by James Johnston on 04/15/2025.*

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# **Construction Workflows Drawing Cleanup and Point Population Tools**

## **A Virtual Webinar Using MicroSurvey – Learn to Streamline Construction Workflows**

This webinar, hosted by That CAD Girl and presented by MicroSurvey Software's James Johnston, explored efficient

construction workflows using MicroSurvey CAD tools. The session demonstrated drawing cleanup, point population, and export techniques to streamline field layout and stakeout processes.

**Key Topics:**

- Drawing cleanup and rescale wizards
- Point population and management tools
- Exporting CAD and point data for field stakeout

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*This session was presented by James Johnston on 06/19/2025.*

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# **MicroSurvey AutoMap Field to Finish**

## **MicroSurvey AutoMap Field to Finish Webinar Virtual Class**

This MicroSurvey AutoMap field-to-finish webinar virtual class, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, shows how to automate CAD standards, linework

generation, and symbol management for faster survey data processing. It provides an in-depth walkthrough of AutoMap–MicroSurvey’s field-to-finish system and demonstrates how AutoMap automates CAD standards, linework generation, and symbol management to streamline survey data processing from field collection to final drawings.

**Key Topics:**

- Overview of MicroSurvey’s product portfolio and CAD integrations
- AutoMap setup and configuration for field-to-finish workflows
- Field data import methods (FieldGenius, Captivate, ASCII, etc.)
- Customizing symbols, layers, and plotted descriptions
- Managing 2D/3D linework and smart line connectivity

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

*This session was presented by James Johnston on 05/27/2025.*