

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

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

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

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. It 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.

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.

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 Carlso

n 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.

Fast Track to Carlson Civil Suite & CADnet – Session #1-2 Recorded 3/12/2024

This session of the Fast Track Carlson Civil Suite & CADnet training provides a detailed walkthrough of GIS data handling, surface modeling, and field-to-finish workflows in Carlson 2023–2024. Participants learned how

to import, label, and export GIS data, overlay imagery, create surfaces, and generate legal descriptions and contours.

Key Topics:

- Importing and labeling GIS shapefiles
- Working with Google Earth and Esri imagery
- Creating and editing surfaces from points and breaklines
- Using field-to-finish automation
- Generating legal descriptions and exporting to Google Earth

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

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

This introductory Fast Track training session guides users through the fundamentals of Carlson Civil Suite 2024 and CADnet, including software setup, configuration, interface navigation, and GIS data handling. Participants learn best practices for managing projects, defaults, and data files while exploring key differences between Carlson versions 2023 and 2024.

Key Topics:

- Carlson Civil Suite overview and module structure
- Interface setup, menus, ribbons, and configuration defaults
- Project folder organization and data management
- GIS import workflows and known 2024 issues
- File associations, linking, and coordinate system setup

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

MicroSurvey STARNET Least Squares Analysis Recorded 4/15/2025

This webinar, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, provides a comprehensive walkthrough of STAR*NET – 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

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

Construction Workflows Drawing Cleanup and Point Population Tools

Recorded 6/19/2025

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.

Making Models from a Mess – Using Carlson Cleanup and Elevate Tools Recorded 1/28/2025

This webinar teaches Carlson Civil users how to transform messy, imported CAD drawings into clean, usable models for staking and surface creation. It covers practical workflows using Carlson's Drawing Cleanup and Elevate Tools to fix geometry, layers, and elevations for accurate 3D modeling.

Key Topics:

- Cleaning and organizing messy DWG files
- Using Carlson Drawing Cleanup effectively
- Elevating 2D polylines to 3D for surface models
- Managing layers, blocks, and spot elevations
- Avoiding common pitfalls and data corruption

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This session was presented by Jennifer DiBona on 01/28/2025.

Fast Track to Carlson Survey – Session #2-3 Recorded 5/16/2024

This final Fast Track to Carlson Survey session provided a detailed, hands-on walkthrough of Carlson Survey's Lot Network, Surface Modeling, and Profile tools. Participants learned how to subdivide land, build and refine surfaces, manage breaklines, and create road and utility profiles using Carlson's survey and civil features.

Key Topics:

- Carlson Lot Network setup and editing
- Surface creation, validation, and breakline management
- Field-to-Finish workflows and shrink-wrap entities
- Contour generation, labeling, and line-type settings
- Importing and merging Google Earth surfaces
- Profile creation for roads, sewers, and pipe crossings

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This session was presented by Jennifer DiBona on 05/16/2024.