

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

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

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

Basics of Road Design in Carlson Software

Recorded 3/15/2024

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a step-by-step introduction to road design using Carlson Software. It covers essential workflows including drawing setup, creating centerlines, profiles, templates, intersections, and cul-de-sacs for civil design projects.

Key Topics:

- Carlson drawing setup and coordinate systems
- Creating and managing road centerlines and profiles
- Building and editing templates for pavement, curbs, and grading
- Handling intersections and cul-de-sacs
- Using Google surfaces for preliminary design

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

This session was presented by Travis Maxwell on 03/15/2024.

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

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 #2-1

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

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 #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

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

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

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

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

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

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

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

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

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

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

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

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

This training session from *That CAD Girl's Fast Track to Carlson Survey* series demonstrates advanced Carlson Survey workflows for entering deed descriptions, processing deed files, correlating field and deed data, and automating legal descriptions and lot labeling. The instructor provides live demonstrations of commands, error correction, and annotation customization to improve survey drafting efficiency.

Key Topics:

- Enter Deed Description and Process Deed File commands
- Deed Correlation and alignment of survey vs. deed points
- Legal Description Writer configuration and customization
- Lot File Manager and Lot Network setup for subdivisions
- Labeling and annotation defaults for areas and bearings

- Text masking, Mtext usage, and draw order management

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

This session was presented by Jennifer DiBona on 05/16/2025.