

Advanced Road Network Design – with Mark Long of Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Advanced Road Networks

This webinar, led by Mark Long from Carlson Software and hosted by That CAD Girl, provides an in-depth walkthrough of advanced roadway design using Carlson's RoadNet tools. It covers setup, super elevation, template transitions, and practical design workflows for real-world road projects.

Key Topics:

- RoadNet setup and configuration
- Super elevation design and AASHTO standards
- Template transitions and slope adjustments
- Cross-section generation and profile management
- Troubleshooting and workflow best practices

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This session was presented by Mark Long on 12/18/2018.

That CAD Girl

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Advanced Field to Finish – Perfecting Coding & Creating Linework

A Virtual Webinar Using Carlson Software – Perfect Coding and Create Linework

This advanced Carlson Software webinar demonstrates how to perfect Field-to-Finish workflows by standardizing field codes, creating and populating FLD files, and generating automated linework. It builds on the basics of point coding to show efficient methods for coding, symbol management, and drawing 2D/3D polylines directly from survey data.

Key Topics:

- Populating and cleaning FLD files from point data
- Standardizing field descriptions and coding syntax
- Using special codes for linework, curves, and offsets
- Managing layers, symbols, and line types
- Automating 2D and 3D polyline creation

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This session was presented by Jennifer DiBona on 09/26/2018.

Features of Carlson Survey & Civil – Setting Points and Stakeout

A Virtual Webinar Using Carlson Software – Learn to Set Points for Stakeout

This webinar demonstrates how to use Carlson Survey and Carlson Civil to create, manage, and stake out points efficiently. It covers field-to-finish workflows, point defaults, creating points from entities, interpolating points, and generating offset or spot-elevation data for design and construction projects.

Key Topics:

- Field-to-Finish and FLD file integration
- Point Defaults and Layer Management
- Creating Points from Entities (COGO tools)
- Interpolation and Offset Commands
- Dynamic Spot Elevations linked to surfaces

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This session was presented by Jennifer DiBona on 11/20/2018.

Overview of SurvCE & SurvPC and the Carlson Cloud

A Virtual Webinar Using Carlson SurvCE and SurvPC – Learn to Manage Field Data

This webinar provides a detailed overview of Carlson's field software—SurvCE and SurvPC—and demonstrates how they integrate with the Carlson Cloud for data sharing. Presenter Jeremy Taylor walks through configuration, setup, and practical field workflows for surveyors using both total stations and GPS equipment.

Key Topics:

- Overview and comparison of SurvCE and SurvPC
- Job setup, configuration, and data management
- Equipment setup for total stations and GPS
- Feature coding, field-to-finish, and stakeout workflows
- Using Carlson Cloud for file transfer and collaboration

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This session was presented by Jeremy Taylor on 06/12/2018.

Advanced Carlson Hydrology & P3D

A Virtual Webinar Using Carlson Software – Advance Hydrology and P3D Workflows

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, explores advanced techniques in Carlson Hydrology and Precision 3D (P3D). It demonstrates how to integrate watershed modeling, storm drainage design, and 3D visualization for efficient civil engineering workflows.

Key Topics:

- Carlson Hydrology fundamentals and watershed layer setup
- Precision 3D (P3D) integration for stormwater design
- Surface modeling, runoff coefficients, and drainage networks
- Use of LIDAR and Google Earth data for terrain modeling
- Workflow between CAD-based hydrology and 3D visualization

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This session was presented by Mark Long on 07/24/2018.

Advanced Carlson Hydrology

A Virtual Webinar Using Carlson Software – Learn to Advance Hydrology Design

This advanced Carlson Hydrology webinar, presented by Mark Long and hosted by That CAD Girl, walks users through practical stormwater and utility network design workflows in Carlson Civil and Hydrology. The session covers setup, configuration, and design of storm, sanitary, and water networks using real subdivision examples.

Key Topics:

- Carlson Hydrology module overview and setup

- Storm drainage design workflow and automation
- Sanitary sewer and utility network creation
- Surface models, rainfall data, and watershed setup
- Profile drawing and conflict checking

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This session was presented by Mark Long on 09/10/2020.

Using Carlson Hydrology for Storm Drain Design

A Virtual Webinar Using Carlson Software – Learn to Design Storm Drains

This webinar provides a detailed walkthrough of storm drain design using Carlson Hydrology. Mark Long demonstrates how to set up networks, define watershed parameters, size pipes, and create plan and profile drawings within Carlson Software.

Key Topics:

- Carlson Hydrology interface and setup
- Watershed and drainage area calculations
- Storm and sanitary sewer network creation
- Pipe sizing, slopes, and hydraulic grade line design

- Drawing plan and profile views with labeling and crossings

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This session was presented by Mark Long on 05/13/2021.

Using Carlson Hydrology for Sanitary and Utility Design

A Virtual Webinar Using Carlson Software – Learn to Design Sanitary Sewer Networks

This webinar demonstrates how to use Carlson Hydrology for sanitary sewer and utility network design. Mark Long walks through setting up sewer network parameters, creating SEW files, importing polylines, and managing profiles and laterals for efficient civil design workflows.

Key Topics:

- Setting up sanitary sewer and utility networks in Carlson Hydrology

- Sewer network settings, parameters, and design criteria
- Importing 2D polylines to create networks
- Editing profiles, slopes, and manholes
- Creating and managing laterals and cleanouts

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This session was presented by [speaker(s)] on 07/08/2021.

Using Carlson Hydrology for Detention Pond Design

A Virtual Webinar Using Carlson Software – Learn to Improve Hydrology Workflows

This webinar, hosted by That CAD Girl and presented by Mark Long, provides a detailed walkthrough of using Carlson Hydrology software for detention pond design. It covers watershed setup, surface modeling, stormwater calculations, and pond sizing workflows within Carlson Civil.

Key Topics:

- Setting up watershed layers and ground covers
- Pre- and post-construction surface modeling
- Detention pond sizing and stage-storage calculations
- Creating outlet devices and hydrographs

- Generating reports and design documentation

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This session was presented by Mark Long on 6/10/2021.

Using Carlson GIS for Base Mapping

A Virtual Webinar Using Carlson Software – Learn to Manage Site Models

This webinar demonstrates how to use Carlson GIS tools for creating survey base maps by integrating publicly available GIS, LiDAR, and imagery data. Doug Aaberg walks through importing shape files, labeling parcels, adding contours, and overlaying aerial imagery to produce accurate, data-rich base plans.

Key Topics:

- Importing and managing GIS shape files
- Creating and labeling parcel base maps
- Integrating LiDAR, contour, and imagery data

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This session was presented by Doug Aaberg on 05/27/2021.