

Mark's Favorite Things in Carlson Desktop Software—by Mark Long

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

This webinar, hosted by That CAD Girl and presented by Mark Long from Carlson Software, highlights Mark's favorite time-saving features and techniques in Carlson's desktop civil design tools. The session demonstrates practical workflows in Roadnet, cross-section generation, cul-de-sac design, and the new 2020 utility network functions.

Key Topics:

- Using Carlson Roadnet for roadway design efficiency
- Cross sections, profiles, and intersection editing
- Customization of cul-de-sacs and curb ramps
- Introduction to the Utility Network module
- Carlson year-end software offers and webinar schedule

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This session was presented by Mark Long on 12/04/2019.

That CAD Girl

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Advanced Detention Pond Design

A Virtual Webinar Using Carlson Software – Learn to Create Surface Models

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, provides an in-depth walkthrough of advanced detention pond design using Carlson Civil Hydrology 2020. It covers watershed setup, pre- and post-construction modeling, rainfall data integration, and automated pond sizing and routing.

Key Topics:

- Defining watershed layers and runoff coefficients
- Using SCS and rational methods for hydrology modeling
- Integrating USGS soils and NOAA rainfall data
- Designing detention ponds with Carlson's 2020 tools
- Creating stage-storage and discharge files
- Configuring riser, barrel, weir, and orifice outlets
- Generating hydrographs and reports

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This session was presented by Mark Long on 03/12/2020.

Mark's Favorite Things in Carlson Desktop Software

A Virtual Webinar Using Carlson Software – Explore Mark's Favorite Desktop Tools

This webinar features Mark Long from Carlson Software demonstrating his favorite tools and workflows in Carlson Civil and Hydrology. He walks through road design, template point centerlines, surface modeling, and hydrology setup, offering practical examples and design tips for everyday engineering tasks.

Key Topics:

- Carlson Road Network and Template Point Centerlines
- Surface modeling and grading workflows
- Hydrology setup, watershed layers, and storm drainage design

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This session was presented by Mark Long on 10/11/2018.

All About Roadway Templates

A Virtual Webinar Using Carlson Software – Learn to Build Roadway Templates

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, provides an in-depth tutorial on creating and managing roadway templates in Carlson Civil. The session covers advanced template design, super elevation, transitions, subgrades, and practical applications for roadway and subdivision design.

Key Topics:

- Carlson Road Design and Template Creation

- Super Elevation and Template Transitions
- Subgrade and Cut/Fill Slope Configuration
- Template Point Centerline and Profile Tools
- Practical Design Applications and Tips

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This session was presented by Mark Long on 05/05/2020.

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.

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.