

2016 Virtual Classroom – Civil & Hydrology Virtual Workshop – Session 2

Recorded 05/24/2016

This session from the Civil & Hydrology Virtual Workshop provides an in-depth look at creating and managing surfaces and grading in Carlson Civil and Survey. It covers triangulation, contour generation, break lines, merging surfaces, and practical grading workflows for real-world design projects.

Key Topics:

- Building surfaces from points, contours, and break lines
- Managing TIN files and contour labeling
- Using Field-to-Finish, triangulation, and surface editing
- Merging survey and GIS elevation data
- Grading pads, daylighting, and balancing cut/fill volumes

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

This session was presented by Jennifer DiBona on 05/24/2016.

2016 Virtual Classroom – Civil

& Hydrology Virtual Workshop – Session 1 Recorded 05/24/2016

This webinar, hosted by That CAD Girl, provides a detailed walkthrough of Carlson Civil and Hydrology tools, focusing on CAD productivity tips, polyline utilities, annotation techniques, and surface modeling workflows. Attendees learn practical methods for editing, labeling, and automating civil design elements within Carlson software.

Key Topics:

- GoToWebinar setup, PDH credit tracking, and participation instructions
- Polyline editing and 3D offset tools in Carlson Civil
- Annotation, labeling, and auto-annotate settings for survey drawings
- Layout utilities for roads, cul-de-sacs, and right-of-way design
- Point management, text rotation, and labeling pad elevations

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

This session was presented by Jennifer DiBona on 05/24/2016.

2020 Virtual Workshop 3-6 Hot New Features in Carlson 2021 Recorded 12/17/2020.

This virtual workshop session showcased new and enhanced features in Carlson 2021 software, focusing on Survey, Civil, and CADNet modules. Presenter Scott Griffin demonstrated dynamic point attributes, BIM/Revit file integration, road network improvements, and advanced parking design tools for surveyors and engineers.

Key Topics:

- Dynamic Point Attributes in Survey module
- BIM/Revit file import and manipulation in CADNet
- Road Network enhancements including hammerhead cul-de-sacs
- New Parking Network and design tools
- Handicap and layout customization features

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

This session was presented by Scott Griffin on 12/17/2020.

2020 Virtual Workshop 3-8 Utility Network Design in

Carlson Hydrology Recorded 12/17/2020.

This virtual Carlson Software workshop, led by Mark Long, provided an in-depth demonstration of detention pond design, hydrology analysis, and utility network creation within Carlson Civil and Hydrology. The session covered practical workflows, design parameters, and troubleshooting tips for stormwater management and utility modeling.

Key Topics:

- Detention pond design and hydrology setup
- Rainfall data integration and hydrograph generation
- Outlet structure configuration (riser, orifice, weir)
- Utility network creation and pipe crossing management
- Troubleshooting and Q&A with developers

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

This session was presented by Mark Long on 12/17/2020.

Using Carlson Hydrology for Storm Drain Design

Recorded 5/13/2021

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

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

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

Using Carlson Hydrology for Sanitary and Utility Design Recorded 7/8/2021

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

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

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

Using Carlson Hydrology for Detention Pond Design Recorded on 6/10/2021

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

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

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

Using Carlson GIS for Base Mapping

Recorded 5/27/2021

This webinar demonstrates how to use Carlson GIS tools for creating survey base maps by integrating publicly available GIS, LiDAR, and imagery data. Doug Oberg 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

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

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

Tips & Tricks to Recover Corrupt Drawings

Recording 2/9/2021

This webinar by That CAD Girl provides practical guidance on recovering and repairing corrupt DWG files using AutoCAD, IntelliCAD, and Carlson Software tools. It covers essential commands, troubleshooting workflows, and Autodesk utilities to restore damaged drawings efficiently.

Key Topics:

- Using PURGE, AUDIT, and WBLOCK commands to clean drawings
- Recovering inaccessible DWG files with RECOVER and RECOVER ALL
- Leveraging DWG TrueView and DWG Convert for file repair and version conversion
- Handling Civil 3D files and registered applications
- Managing layouts and Xrefs during recovery

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

This session was presented by Jennifer DiBona on 02/09/2021.

Survey Project from Field to Plotted Sheet

Recorded 1/12/2021

This webinar demonstrates a complete Carlson Survey workflow, showing how to take raw field data through coordinate file creation, deed entry, surface modeling, and final sheet plotting. It covers practical commands, configuration tips, and troubleshooting steps for surveyors using Carlson 2020/2021 on IntelliCAD.

Key Topics:

- Carlson configuration and project setup
- Importing and managing point data (CRD files)
- Deed entry, correlation, and legal description tools
- Field-to-Finish automation and surface creation
- Plotting, labeling, and sheet preparation

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

This session was presented by Jennifer DiBona on 01/12/2021.