2020 Virtual Workshops Session 3-7 Sanitary Sewer Design in Carlson Hydrology Recorded 12/17/2020.

This Carlson Software virtual workshop, led by hydrology expert Mark Long, provides an in-depth walkthrough of storm and sanitary sewer design using Carlson Hydrology tools. The session covers watershed setup, pipe network creation, stormwater management, and integration with CAD surfaces for accurate drainage modeling.

Key Topics:

- Setting up watershed layers and runoff coefficients
- Designing storm sewer networks and detention ponds
- Creating and editing sanitary sewer systems
- Using Carlson Hydrology’s network, drainage, and profile tools
- Managing surfaces, rainfall data, and hydraulic grade lines

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.

2020 Virtual Workshops Session 3-5 Tips & Tricks in CAD & Carlson Software Recorded 12/17/2020.

This virtual workshop, led by That CAD Girl, covers practical CAD and Carlson Software tips and tricks for surveyors, engineers, and CAD technicians. The session demonstrates workflows for merging raster images, using Field to Finish, managing polylines, cleaning drawings, and creating reusable title block templates.

Key Topics:

- CADNet raster merging and image handling
- Field to Finish setup and automation
- Polyline editing and boundary creation
- Drawing cleanup and block management
- Title block templates and layout management
- Converting spot elevations to Carlson points
- Line type customization and text rotation

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This session was presented by Jennifer DiBona on 12/17/2020.

2020 Virtual Workshops Session 3-4 Steve Cummings showing Carlson Point Cloud in our Virtual Booth, Recorded 12/17/2020

This bonus session from the 2020 Virtual Workshops focuses on Carlson Point Cloud software, demonstrating how to import, clean, and process point cloud data to create usable terrain models. Steve Cummings and David Kraus walk through workflows, performance considerations, and practical tips for handling large LIDAR datasets in Carlson Civil.

Key Topics:

- Importing and visualizing point clouds in Carlson Point Cloud
- Differences between Basic and Advanced versions
- Creating bare earth models and TIN surfaces
- Managing large datasets and optimizing performance
- Workflow for civil site studies using LIDAR and aerial data

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This session was presented by Jennifer DiBona on 12/17/2020.

2020 Virtual Workshops Session 3-3 Drawing Cleanup for Model Building and Construction Staking, Recorded 12/17/2020.

This Carlson Software virtual workshop features Walt Liles demon strating best practices for CAD drawing cleanup and model buildi ng using Carlson Software. The session covers file-size reductio n, polyline management, layer organization, and exporting coordi nate data for field layout.

Key Topics:

- Carlson Software “Drawing Cleanup” tool and settings
- File-size optimization and layer management
- Converting entities to polylines and handling Civil 3D dat a
- Creating and exporting points (CRD files, TXT exports)
- Preparing 2D/3D linework for GPS and curb-machine models

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This session was presented by Walt Liles on 12/17/2020.

2020 Virtual Workshops Session

3-2 Customizing Migrating and Sharing Settings in Carlson Software
Recorded 12/17/2020

This Carlson Software virtual workshop, led by Doug Oberg and hosted by Jennifer DiBona, focused on managing and standardizing CAD and Carlson settings across multiple platforms. The session demonstrated how to use Carlson’s Setting Server to synchronize templates, plot styles, fonts, and configuration files company-wide.

Key Topics:

- Cross-platform CAD configuration (AutoCAD / IntelliCAD / Carlson OEM)
- Centralized management of plot styles, fonts, and templates
- Using Carlson Setting Server for company-wide consistency
- Creating and sharing CFG, FLD, and DWT files
- Handling 2D vs 3D polylines and field-to-finish automation

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This session was presented by Doug Aaberg on 12/17/2020.

2020 Virtual Workshop 2-7 Autodesk Licensing Changes: Plan for the Future/How it Will Affect Carlson Users Recorded 12/16/20

This virtual workshop session, led by Bruce Carlson, provides an in-depth demonstration of Carlson Precision 3D Hydrology (P3D Hydro) and its integration with Carlson CAD modules. The training cov ers intelligent TIN modeling, storm sewer and culvert design, hy drology analysis, and dynamic CAD synchronization for civil engi neering workflows.

Key Topics:

- Intelligent TIN surfaces and runoff coefficient mapping
- Integration between Carlson Hydrology and Precision 3D Hyd ro
- Storm sewer and culvert design automation
- Dynamic CAD linkage and real-time updates
- Channel and liner analysis, parking lot design automation

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This session was presented by Dwayne Tindall on 12/16/2020.

2020 Virtual Workshops Session 2-6 Overview of Carlson’s Point Cloud Manipulation Programs
Recorded 12/16/2020

This Carlson Software virtual workshop session provided an in-depth overview of the company’s point cloud and 3D modeling tools, including Photo Capture, Precision 3D, Point Cloud Basic and Advanced, and related hardware such as the Scan 2K and Fixed One. Presenters demonstrated workflows for processing drone, lidar, and laser scan data, and discussed integration with Carlson’s CAD and mining software.

Key Topics:

- Carlson Photo Capture (drone imagery processing)
- Precision 3D and Point Cloud modules
- Hardware: Scan 2K, Fixed One, and Gyro systems
- Carlson Ops and Blast Ops software integration
- System requirements and pricing overview

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This session was presented by Jennifer DiBona on 12/16/2020.

2020 Virtual Workshops Session 2-5 Carlson SurvCE & SurvPC Software VIP Round Table Recorded 12/16/2020.

This Carlson Software virtual workshop brought together field-software experts to answer user questions about Carlson SurvCE and SurvPC. Topics included troubleshooting, version 6 updates, Carlson Cloud file sharing, surface staking, and GPS/robotic workflows.

Key Topics:

- SurvCE/SurvPC v6 features and bug reports
- Carlson Cloud setup and account management
- DWG/DXF handling, map overlays, and layer control
- NGS monument queries and coordinate conversions
- Surface staking, mission planning, and field-to-finish coding

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

This session was presented by Jennifer DiBona on 12/16/2020.

Making Models from a Mess –

Carlson Tools: Elevate 2D Drawings to 3D for Staking or Surface Model
Recorded 11/16/21

This webinar, *Making Models from a Mess*, demonstrates how to use Carlson Software tools to convert messy 2D CAD drawings into clean, geo-referenced 3D models suitable for staking and machine control. Jennifer DiBona walks through file cleanup, layer management, elevation assignment, and model preparation workflows using Carlson Civil, Takeoff, and SiteNet.

Key Topics:

- Cleaning and consolidating 2D CAD files for modeling
- Using Carlson’s 2D-to-3D elevation tools
- Handling Civil 3D and LandXML data
- Layer management and drawing cleanup best practices
- Preparing surface models for staking and machine control

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

This session was presented by Jennifer DiBona on 11/16/2021.

Making Models from a Mess – Drawing prep for staking or surface models
Recorded 4/20/21

This webinar demonstrates how to prepare and clean CAD drawings for use in Carlson Software's surface modeling and construction staking workflows. It covers techniques for consolidating, cleaning, and elevating 2D data into accurate 3D models ready for field and machine control applications.

Key Topics:

- Drawing cleanup and preparation for staking/surface modeling
- Handling Civil 3D and Land Desktop data
- Using Carlson commands for 2D-to-3D conversion and elevation control

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

This session was presented by Jennifer DiBona on 04/20/2021.