

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 covers intelligent TIN modeling, storm sewer and culvert design, hydrology analysis, and dynamic CAD synchronization for civil engineering workflows.

Key Topics:

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

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

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

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

Drawing Profiles with Mark

Long

A Virtual Webinar Using Carlson Software – Learn to Create Roadway and Utility Profiles

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, provides an in-depth tutorial on using the Draw Profiles dialog box in Carlson Civil. The session covers practical workflows for creating, managing, and optimizing roadway and utility profiles efficiently.

Key Topics:

- Carlson Civil Draw Profiles dialog box
- Roadway design and profile management
- Quick Profile and sewer/storm network integration

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This session was presented by Mark Long on 11/11/2021.

Cross-Sections for Roads

Streams and Everything In-Between

A Virtual Webinar Using Carlson Software – Learn to Create Cross Sections

This webinar, hosted by The CAD Girl team, features Mark Long demonstrating how to create and manage cross sections in Carlson Software for roads, streams, and other civil design applications. The session covers both automated workflows using RoadNet and manual methods for stream geometry and flood studies.

Key Topics:

- Creating cross sections using Carlson RoadNet
- Manual cross section generation for streams and flood studies
- File management, settings, and labeling techniques in Carlson
- Integration with HEC-RAS for water surface elevation analysis

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This session was presented by Mark Long on 09/09/2021.

Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Learn to Create Roadway and Utility Profiles

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, provides an in-depth tutorial on using the Draw Profiles dialog box in Carlson Civil. The session covers practical workflows for creating, managing, and optimizing roadway and utility profiles efficiently.

Key Topics:

- Carlson Civil Draw Profiles dialog box
- Roadway design and profile management
- Quick Profile and sewer/storm network integration

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This session was presented by Jennifer DiBona on 11/08/2021.

Basics of Road Design in Carlson Civil

A Virtual Webinar Using Carlson Software – Learn to Design Roads

This webinar, hosted by That CAD Girl and presented by Mark Long from Carlson Software, provides a comprehensive introduction to road design using Carlson Civil's Road Network tools. The session covers setup, configuration, template creation, and practical design workflows for roads, intersections, and cul-de-sacs.

Key Topics:

- Introduction to Carlson Civil's Road Network (RoadNet)
- Setting up surfaces, templates, and profiles
- Creating intersections and cul-de-sacs
- Managing cross sections and earthwork quantities
- Tips for efficient road design workflows

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This session was presented by Mark Long on 03/11/2021.

Advanced Road Design in Carlson Civil

A Virtual Webinar Using Carlson Software – Learn to Design Advanced Roads

This webinar, hosted by That CAD Girl and presented by Mark Long from Carlson Software, provides an in-depth demonstration of advanced road design techniques using Carlson Civil. The session covers super elevation setup, template transitions, and template point center lines for complex roadway and drainage design scenarios.

Key Topics:

- Super elevation design and configuration in Carlson Civil
- Template transitions for slope and grading adjustments
- Template point center lines for knuckles, parking, and sidewalks
- Stream impact minimization and slope control
- Integration with hydrology and future webinars

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This session was presented by Mark Long on 04/08/2021.

2020 Virtual Workshops Session 2-4 P3D Topo Hydro&Dynamic CAD Software VIP Round Table Recorded 12/16/2020.

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 covers intelligent TIN modeling, storm sewer and culvert design, hydrology analysis, and dynamic CAD synchronization for civil engineering workflows.

Key Topics:

- Intelligent TIN surfaces and runoff coefficient mapping
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This session was presented by Jennifer DiBona on 12/16/2020.

2020 Virtual Workshops Session 2-2 Carlson Desktop Software VIP Round Table Recorded 12/16/2020

This Carlson Software virtual workshop featured a live “Ask the Experts” roundtable focused on desktop software, including Carlson Survey, Civil, Construction, and IntelliCAD. Developers and support leaders discussed common technical issues, new features, and user wishlist items for upcoming releases.

Key Topics:

- IntelliCAD 10 graphics settings and troubleshooting
- Carlson Cloud communication and wishlist enhancements
- Road design and divided highway modeling
- Common tech support issues and fixes
- Dynamic labeling, MText improvements, and GIS integration

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