

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 demonstrating best practices for CAD drawing cleanup and model building using Carlson Software. The session covers file-size reduction, polyline management, layer organization, and exporting coordinate 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 data
- Creating and exporting points (CRD files, TXT exports)
- Preparing 2D/3D linework for GPS and curb-machine models

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

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 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

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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

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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.

Deeds of Lots and Lots of

Lots... Deed Entry Legal Description Writer & More

A Virtual Webinar Using Carlson Software – Learn to Create Deeds and Lots

This webinar from That CAD Girl demonstrates how to use Carlson Survey tools for deed entry, lot creation, and legal description writing. It covers practical workflows for entering deed calls, processing deed files, labeling lots, creating setbacks, and automating subdivision layouts with Lot Network.

Key Topics:

- Entering and editing deed descriptions (PDD files)
- Using the Legal Description Writer
- Performing map checks and closure reports
- Creating and labeling lots, setbacks, and areas
- Automating subdivisions with Lot Network

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This session was presented by Jennifer DiBona on 02/16/2021.

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.

Best Practices for Network Solutions with Carlson's GNSS RTK Systems

A Virtual Webinar Using Carlson Software – Learn to Prepare CAD Files

This webinar, hosted by That CAD Girl and presented by Walt Wiles of Terrain Technology, provides a detailed walkthrough of Carlson Software's drawing cleanup tools for preparing CAD files used in model building and construction staking. The session covers file optimization, layer management, polyline conversion, and best practices for ensuring clean, efficient data transfer to field devices.

Key Topics:

- Carlson Software drawing cleanup process
- File optimization and size reduction
- Converting and managing polylines, layers, and entities
- Preparing DWG files for machine control and staking
- Handling Civil 3D and architectural files

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This session was presented by Doug Aaberg on 03/24/2021.