2020 Virtual Workshops Session #3-3: Drawing Cleanup for Model Building and Construction Staking

A Virtual Workshop Using Carlson Software – Learn to Clean Drawings for Machine Control Models

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 dat a
- 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 ha ve 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

A Virtual Workshop Using Carlson Software – Learn to Standardize CAD Settings Across Workstations

This Carlson Software virtual workshop, led by Doug Aaberg 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 Session #2-7: Autodesk Licensing Changes – Plan for the Future – How it Will Affect Carlson Users

A Virtual Workshop Using Carlson Software – Explore Autodesk Licensing Changes for Carlson Users

This virtual workshop session, led by Dwayne Tindall of CAD Masters and hosted by Jennifer DiBona, explains the Autodesk licensing changes and what they mean for Carlson users who run AutoCAD underneath Carlson. The session covers CAD workstation specs for Carlson, the end of Autodesk maintenance plans and box copies, the move-to-subscription and trade-in offers and when to choose IntelliCAD, AutoCAD OEM or full AutoCAD.

Key Topics:

- Autodesk move to subscription and named user licensing
- End of maintenance plans, perpetual licenses and box copies

- Trade-in offers for retired and multi-user network licenses
- Running Carlson on IntelliCAD, AutoCAD OEM or full AutoCAD
- CAD workstation and video card specs for Carlson

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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

A Virtual Workshop Using Carlson Software – Explore Point Cloud, Drone and Laser Scan Tools

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 Steve Cummings, Tyler Faulkner and Brad Husak on 12/16/2020.

2020 Virtual Workshops Session #2-5: Carlson SurvCE & SurvPC Software VIP Round Table

A Virtual Workshop Using Carlson SurvCE and SurvPC – Ask the Experts About Field Software

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 codi ng

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This session was hosted by Jennifer DiBona with panelists Butch Herter, John Gerber and Sarah Winter on 12/16/2020.

Making Models from a Mess – Carlson Tools: Elevate 2D Drawings to 3D for Staking or Surface Model

A Virtual Webinar Using Carlson Software – Learn to Build 3D Models

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

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

Making Models from a Mess – Drawing prep for staking or surface models

A Virtual Webinar Using Carlson Software – Learn to Prepare Drawings

for Staking

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 and surface modeling
- Consolidating and cleaning 2D CAD data
- Handling Civil 3D and Land Desktop data
- Using Carlson commands for 2D-to-3D conversion
- Elevation control for accurate 3D models
- Preparing models for field and machine control applications

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

Drawing Cleanup for Model Building and Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Clean Up CAD Drawings

This webinar from That CAD Girl covers best practices for cleaning up CAD drawings before model building and construction staking using Carlson Software. Jennifer demonstrates step-by-step how to prepare, simplify and optimize drawings for accurate modeling and staking workflows.

Key Topics:

- Preparing and cleaning CAD drawings for modeling and staki ng
- Using Carlson’s Drawing Cleanup tool effectively
- Managing layers, entities and file conversions
- Handling elevations, contours and polyline optimization

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This session was presented by Jennifer DiBona on 06/23/2021.

Drawing Cleanup for Model

Building and Construction Staking

A Virtual Webinar Using Carlson Software – Learn to Fix Bad Elevations

This webinar, hosted by That CAD Girl and presented by Walt Liles 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 Walt Liles on 03/24/2021.

Cross-Sections for Roads Streams and Everything In-Between

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

This webinar, hosted by That CAD Girl, 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.