LeMay_Customizing Carlson for Erosion Control Permitting and Design with Travis Maxwell

That CAD Girl
Session #1-2
Customizing Carlson for Erosion Control Permitting & Design
Presented by Travis Maxwell
Request custom training from Travis by emailing:
ContactUs@thatcadgirl.com
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Session #2-1

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Session #2-2

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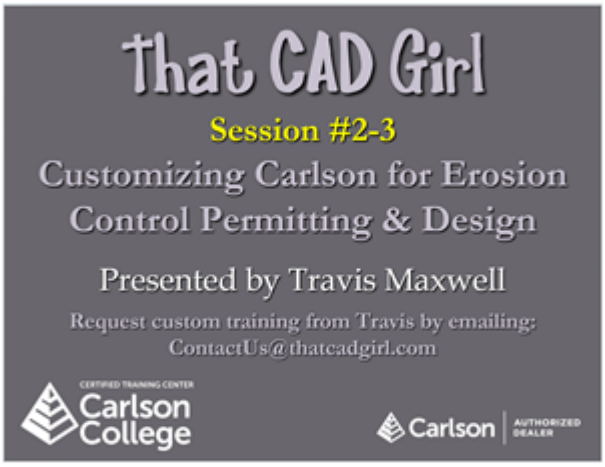

SAMPLE VIRTUAL CLASSROOM In Depth Carlson Hydrology with Travis Maxwell

This webinar provides a comprehensive introduction to Carlson Hydrology, led by veteran engineer Travis, focusing on setup, workflows, and best practices for stormwater modeling and design. Attendees learn how to configure libraries, manage sewer networks, and apply hydrologic methods such as SCS and Rational within Carlson Software.

Key Topics:

- Carlson Hydrology module overview and setup
- Sewer and storm network configuration
- Use of SCS and Rational methods for runoff and detention
- Inlet libraries, rainfall data, and HydroNet integration
- Best practices for file management and dynamic modeling

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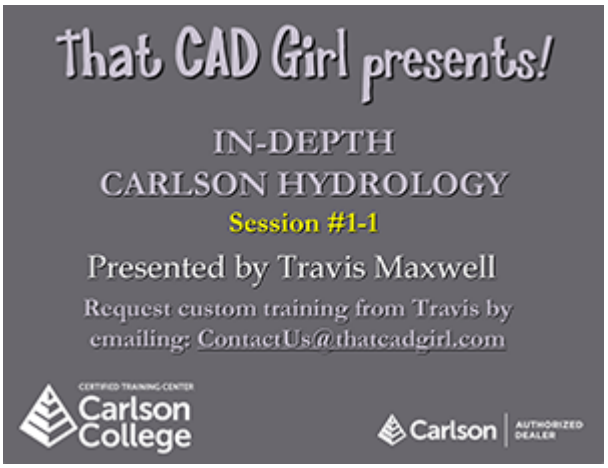
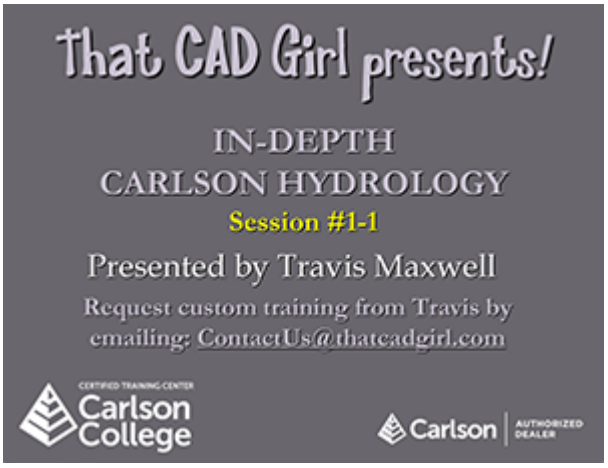
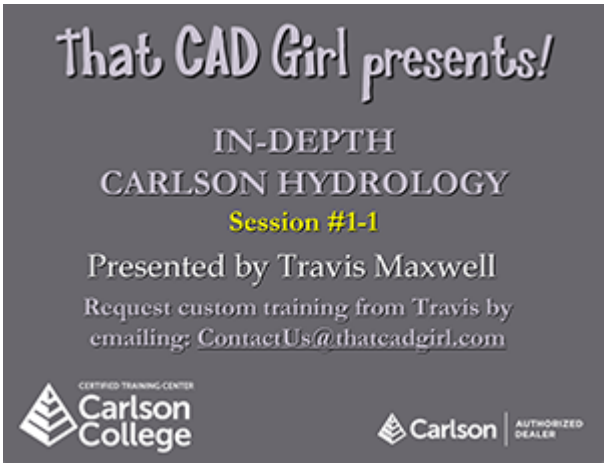
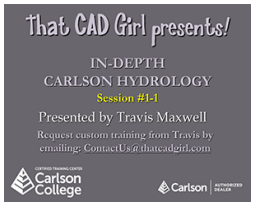
This session was presented by Travis Maxwell on 11/07/2024.This webinar provides a comprehensive introduction to Carlson Hydrology, led by veteran engineer Travis, focusing on setup, workflows, and best practices for stormwater modeling and design.This webinar provides a comprehensive introduction to Carlson Hydrology, led by veteran engineer Travis, focusing on setup, workflows, and best practices for stormwater modeling and design.This session continues the in-depth Carlson Hydrology training with a focus on storm sewer network modeling, watershed delineation, and hydraulic grade li analysis.This session continues the in-depth Carlson Hydrology training with a focus on storm sewer network modeling, watershed





delineation, and hydraulic grade line analysis.This final session of the In-Depth Carlson Hydrology training series covers advanced hydrology modeling techniques using Carlson Hydrology and HydroNET.





This final session of the In-Depth Carlson Hydrology training series covers advanced hydrology modeling techniques using Carlson Hydrology and HydroNET.

What is new in Carlson 2022?

A Virtual Webinar Using Carlson Software – Learn What Is New in Carlson 2022

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, explores new features and improvements in Carlson 2022 software.

The session covers enhancements in IntelliCAD, dynamic blocks, text editing, grading tools, hydrology workflows, and integration with GIS and utility design systems.

Key Topics:

- IntelliCAD 10.1 enhancements and dynamic block support
- New commands and text editing improvements
- Pad grading, lot elevation, and site design automation
- Integration with SiteNet, RoadNet, and HydroNet
- Custom drawing properties and tool palette customization
- GIS and QGIS workflows for shapefile management
- Stormwater and utility design updates

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This session was presented by Travis Maxwell on 03/15/2022.

Tools &Tricks For Converting Outside CAD Files

A Virtual Webinar Using Carlson Software – Learn to Convert Outside CAD Files

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a comprehensive walkthrough of best practices for converting and cleaning external CAD files for use in

Carlson Software. It covers layer management, font and block cleanup, layer translation, and troubleshooting performance issues in IntelliCAD versus AutoCAD.

Key Topics:

- Cleaning and optimizing external CAD files
- Managing layers, fonts, and Xrefs
- Using layer translation tools and templates
- Handling blocks, line types, and viewport colors
- Troubleshooting IntelliCAD performance issues

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This session was presented by Travis Maxwell on 04/13/2022.

2022 Virtual Workshops 1-1 Introduction to CAD Recorded 11/15/2022

The opening session of the 2022 Virtual Workshops introduced participants to IntelliCAD 2023 and Carlson 2023, focusing on CAD fundamentals, interface navigation, and drafting precision. Jennifer DiBona guided attendees through command usage, settings, object snaps, polylines, text tools, and practical workflow tips for survey and civil design professionals.

Key Topics:

- Workshop logistics and GoToWebinar Q&A setup
- Overview of Carlson 2023 (IntelliCAD 10.1) release and stability improvements
- CAD interface elements: command line, toolbars, menus, ribbons, workspaces
- Default settings, options, and drafting preferences
- Command entry, quick keys, and aliases
- Object snaps (OSNAP) and precision drafting
- Lines vs. polylines, grips, and selection methods
- Text creation (single-line vs multi-line) and editing
- Saving, backups, and workspace management

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This session was presented by Jennifer DiBona on 11/15/2022.

The Very Basics of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn Carlson Basics for

Design Workflows

This webinar introduces the fundamentals of Carlson’s Field to Finish workflow, led by Doug Oberg and hosted by That CAD Girl. It walks surveyors through setting up code tables, managing linework, and automating drafting tasks to improve efficiency from field data collection to finished CAD drawings.

Key Topics:

- Introduction to Carlson Field to Finish setup
- Creating and editing code tables
- Managing linework, symbols, and layers
- Using special codes and offsets
- Automating drafting and data processing

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This session was presented by Doug Aaberg on 03/10/2022.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Surface

Models

This webinar introduces the fundamentals of creating and refining surface models in Carlson Software, focusing on how to use points, breaklines, and surface-editing tools to produce accurate terrain models. It covers best practices for data preparation, triangulation, contour generation, and integrating external elevation data for design and visualization.

Key Topics:

- Preparing point and linework data for surface modeling
- Using Shrink Wrap Entities and Non-Surface point flags
- Building TIN surfaces and contours with Triangulate and Co ntour
- Creating and editing 3D breaklines
- Field-to-Finish automation for surface creation
- Importing and merging external elevation data (NASA & Goog le)
- Visualization tools (3D Viewer, Flyover, Image Draping)

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This session was presented by Jennifer DiBona on 02/09/2022.

Overview of Carlson Point Cloud

A Virtual Webinar Using Carlson Point Cloud – Learn to Process Point Cloud Data

This webinar provides an in-depth overview of Carlson Point Cloud, demonstrating how to import, clean, and process point cloud data for surveying and CAD integration. Presenter Doug Oberg walks through workflows using drone imagery, Photo Capture, and Carlson's Point Cloud Basic and Advanced modules.

Key Topics:

- Importing and managing point clouds in Carlson
- Cleaning and processing data (Bare Earth extraction, noise removal)
- Creating surfaces, points, and CAD drawings from point clouds
- Using Photo Capture and GeoTIFF imagery
- Advanced tools for parking lot and color edge extraction

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This session was presented by Doug Aaberg on 04/28/2022.

Introduction to RoadNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Create Road Networks

This webinar introduces Carlson RoadNet, focusing on fundamental setup, workflow, and troubleshooting for creating road networks in Carlson Civil. The session covers drawing centerlines, setting templates, managing intersections and cul-de-sacs, and integrating lot grading for subdivision design.

Key Topics:

- Carlson RoadNet basics and setup
- Drawing and orienting centerlines
- Templates, profiles, and intersections
- Cul-de-sac design and troubleshooting
- Lot and pad elevation automation

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This session was presented by Travis Maxwell on 07/20/2022.

Introduction to LotNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Create LotNet Subdivision Layouts

This webinar introduces Carlson Software's LotNet module, demonstrating how to create, edit, and manage subdivision layouts efficiently. Travis Maxwell walks through practical examples, showing how to set up boundaries, roads, and lots, and how to troubleshoot common issues.

Key Topics:

- Overview and setup of LotNet in Carlson Software
- Creating and editing subdivision layouts
- Integrating LotNet with RoadNet and SiteNet
- Troubleshooting and customization tips

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This session was presented by Travis Maxwell on 07/08/2022.