2022 Virtual Workshops Session 1-2: Introduction to CAD

A Virtual Workshop Using Carlson Software – Learn Layers, Dimensions, Blocks and CAD Standards

This virtual CAD workshop session covers foundational and intermediate concepts in IntelliCAD and AutoCAD, focusing on layers, properties, symbols, dimension styles and drawing templates. Participants learned how to manage visibility, organize drawings, create reusable blocks and apply national CAD standards for consistent project setup.

Key Topics:

- Layer management and visibility control
- Properties toolbar and entity editing
- Symbols, blocks and WBLOCK creation
- Dimension styles and scaling
- National CAD Standards and template setup

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

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

2022 Virtual Workshops Session 2-3: Introduction to Carlson

A Virtual Workshop Using Carlson Software – Learn Surface Modeling, Annotation and Sheet Production

This session from the 2022 Carlson Virtual Workshops provides a detailed, walkthrough of Carlson Survey tools, including symbol insertion, field-to-finish workflows, surface creation, GIS imagery, annotation, legends, title blocks and plotting. Participants learn practical CAD techniques for producing professional survey drawings and managing multi-sheet plan sets efficiently.

Key Topics:

- Carlson Survey commands and workflows
- Field-to-Finish, surfaces and contour generation
- GIS imagery integration and plotting automation
- Auto Annotate defaults, survey text and legends
- Title blocks, viewports and Sheet Set Manager fields

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This session was presented by Jennifer DiBona on 11/17/2022.

2022 Virtual Workshops Session 2-2: Introduction to Carlson

A Virtual Workshop Using Carlson Software – Learn Carlson Templates, Points and Deed Correlation

This virtual training session introduces participants to Carlson Software's CAD tools, focusing on annotation settings, drawing templates, point management and survey project workflows. Instructor Jennifer DiBona demonstrates practical commands and configuration strategies to standardize drafting and survey processes within Carlson.

Key Topics:

- Auto Annotate, Scalers and Annotation Defaults
- Drawing Templates and Layer Libraries
- Importing and Managing Points (CRD files)
- Deed Entry, Translation and Correlation Tools
- Survey Project Workflow and Best Practices

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This session was presented by Jennifer DiBona on 11/17/2022.

2022 Virtual Workshops Session 2-1: Introduction to Carlson

A Virtual Workshop Using Carlson Software – Learn Carlson Setup, Software Resources and Point Defaults

This virtual workshop introduces participants to Carlson Software 2023, focusing on setup, configuration and best practices for new users. The session covers installation, interface customization, project folder organization and annotation standards within Carlson Survey and IntelliCAD environments.

Key Topics:

- Carlson 2023 installation and version updates
- Interface setup and configuration (menus, ribbons, toolbars)
- Managing projects, data folders and settings
- Understanding Carlson vs. CAD commands
- Annotation, text scaling and drawing setup

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This session was presented by Jennifer DiBona on 11/17/2022.

Customizing Carlson to Increase Productivity Session #1-3

A Virtual Classroom Using Carlson Software – Learn to Refine Palettes, Sheet Sets and Scripts

This follow-up training with Travis explores advanced customization techniques in Carlson Software to improve drafting efficiency and project management. The session covers tool palettes, macros, sheet sets and automation using LISP and scripts for consistent CAD standards.

Key Topics:

- Loading and managing tool palettes
- Custom macros and layer management
- Sheet set setup and automation
- Using LISP and scripts for project data and layer overrides
- Best practices for legends, templates and title blocks

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This session was presented by Travis Maxwell on 10/18/2022.

Customizing Carlson to Increase Productivity Session #1-2

A Virtual Classroom Using Carlson Software – Learn to Build Tool Palettes, Blocks and Scripts

This webinar continues the “Customizing Carlson to Increase Productivity” series, focusing on advanced customization of Carlson Software through tool palettes, scripts, blocks and CAD standards. Presenter Travis demonstrates how to automate repetitive drafting tasks, standardize project templates and improve efficiency across teams using Carlson and IntelliCAD.

Key Topics:

- Tool palette setup and automation
- Creating and managing blocks, layers and line types
- Using scripts, Lisp files and Excel integration
- Template and legend standardization
- Viewport color overrides and CAD standards consistency

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This session was presented by Travis Maxwell on 10/12/2022.

Customizing Carlson to Increase Productivity Session #1-1

A Virtual Classroom Using Carlson Software – Learn to Configure Workspaces and CAD Standards

This training session, led by Travis and hosted by That CAD Girl, demonstrates how to customize Carlson Software to improve drafting and design productivity. The session covers interface setup, tool palettes, macros, fonts and workflow optimization for CAD professionals.

Key Topics:

- Carlson Software interface customization
- Toolbars, ribbons and workspaces
- Tool palettes and macros
- Font and layer management
- Project setup, templates and automation

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This session was presented by Travis Maxwell on 10/12/2022.

In Depth Carlson Hydrology Session #2-3

A Virtual Classroom Using Carlson Software – Learn Advanced Hydrology Modeling

This final session of the In-Depth Carlson Hydrology training series covers advanced hydrology modeling techniques using Carlson Hydrology and HydroNET. The instructor demonstrates stream delineation, stage-storage modeling, chamber design and integration with HydroCAD for comprehensive stormwater management workflows.

Key Topics:

- StreamStats and drainage area delineation
- Stage-storage and chamber modeling in HydroNET
- Integration with HydroCAD for detention system design
- Table-based calculations and regression analysis
- Wet pond grading and detention pond detailing

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This session was presented by Travis Maxwell on 09/14/2022.

In Depth Carlson Hydrology Session #2-2

A Virtual Classroom Using Carlson Software – Learn Detention Pond Design

This session is part of the In-Depth Carlson Hydrology training series, focusing on advanced hydrology design workflows in Carlson Civil and Hydrology. The instructor demonstrates practical tools for surface modeling, watershed analysis, detention pond design and HydroNet modeling.

Key Topics:

- Linear and path arrays in Carlson CAD
- Importing and refining Google surfaces
- Watershed and runoff tracking analysis
- Creating detention ponds and HydroNet modeling
- Stage-storage and stage-discharge design with risers, orifices and spillways

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This session was presented by Travis Maxwell on 09/14/2022.

In Depth Carlson Hydrology Session #2-1

A Virtual Classroom Using Carlson Software – Learn HydroNet Detention Modeling

This session continues the in-depth Carlson Hydrology training, focusing on collection systems, utility networks and HydroNet detention modeling. Travis demonstrates advanced workflows for managing project files, creating profiles, checking crossings and setting up hydrologic models in Carlson Civil and Hydrology.

Key Topics:

- Carlson Hydrology collection system and utility network management
- Crossings, parallel pipes and clearance checks
- Watershed curve numbers and custom 24-hour rainfall distributions
- Pond riser, orifice and weir outlet design
- HydroNet setup, detention design and hydrograph generation

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This session was presented by Travis Maxwell on 09/14/2022.