Fast Track to Surface Modeling in Carlson Software: Session #2-1

A Virtual Classroom Using Carlson Software – Improve Contour-Based Surface Models

This advanced Carlson Software training session covers surface modeling workflows, LandXML data exchange, pad grading and volume calculations. Participants learn practical grading and modeling techniques for civil and survey projects using Carlson Civil and Survey modules.

Key Topics:

- LandXML export/import and data archiving
- Pad grading and daylight projection
- Volume calculations and balancing
- Surface merging and cut/fill analysis
- Stockpile volume computation

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 07/27/2023.

Fast Track to Surface Modeling in Carlson Software: Session #1-3

A Virtual Classroom Using Carlson Software – Build Pad Grading Surface Models

This session is the third installment in the *Fast Track to Surface Modeling in Carlson Software* training series. It provides a detailed walkthrough of surface modeling workflows, including labeling, 3D polyline editing, pad grading, daylighting and design pad templates within Carlson Civil and Survey.

Key Topics:

- Labeling and annotating 3D polylines
- Elevating 2D polylines using surfaces and slope calculations
- Pad grading and daylighting techniques
- Using Design Pad Template for automated grading

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

This session was presented by Jennifer DiBona on 07/25/2023.

Fast Track to Surface Modeling in Carlson Software: Session #1-2

A Virtual Classroom Using Carlson Software – Build Surfaces from Contours and Polylines

This Carlson Software training session led by That CAD Girl provides a detailed walkthrough of surface modeling techniques, focusing on creating and refining TIN and grid surfaces from contours, points and public data sources. The webinar demonstrates best practices, pitfalls to avoid and advanced Carlson Civil tools for accurate grading and surface preparation.

Key Topics:

- Building surfaces from contours and avoiding flat triangles
- Using Carlson's triangulation and contouring tools
- Importing public elevation data (Google Earth, NED, LiDAR DEM)
- Managing TIN vs GRID files and surface boundaries
- Elevating 2D polylines to 3D for grading and design

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

This session was presented by Jennifer DiBona on 07/25/2023.

Fast Track to Surface Modeling in Carlson Software: Session #1-1

A Virtual Classroom Using Carlson Software – Learn Surface Modeling Fundamentals

This session introduces the fundamentals of surface modeling in Carlson Software, covering how to build, inspect and refine existing ground surfaces using points, breaklines and triangulation tools. Participants learn practical workflows for creating accurate TIN models, troubleshooting elevation issues and improving contour quality.

Key Topics:

- Building and validating existing ground surfaces
- Using Drawing Inspector, 3D Viewer and Shrink Wrap tools
- Managing non-surface points and breaklines
- Triangulate & Contour workflows
- Field-to-Finish automation and contour aesthetics

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 07/25/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #2-3

A Virtual Classroom Using Carlson Software – Complete an Erosion Control Design Workflow

This webinar demonstrates advanced techniques for customizing Carlson Software for erosion control, permitting and design workflows. It covers grading swales, creating stockpiles, managing surfaces and automating plan set production using sheet sets and data links.

Key Topics:

- Grading and modeling swales and ponds in Carlson Civil
- Surface management and triangulation techniques
- Automating erosion control plan sets with sheet sets
- Linking CAD tables with Excel for dynamic calculations
- Integrating GIS data and slope analysis

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

This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #2-2

A Virtual Classroom Using Carlson Software – Analyze Erosion Control Surfaces and Watersheds

This training session, led by Travis Maxwell, demonstrates advanced customization of Carlson Civil software for erosion control design, permitting and hydrology workflows. The session covers watershed analysis, surface modeling, pond design, stormwater network setup and sediment basin sizing techniques.

Key Topics:

- Watershed analysis and surface preparation
- Time of concentration and runoff calculations
- Sediment basin and pond design using Carlson tools
- Storm Net setup and drainage network modeling
- Integration of hydrology and surface data for erosion cont rol

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

This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #2-1

A Virtual Classroom Using Carlson Software – Prepare Erosion Control Base Maps and CAD Standards

This webinar session, led by Travis and moderated by Jennifer, continues training on customizing Carlson Civil Suite for erosion control design. The presentation demonstrates workspace customization, creating line types, setting up base maps and using GIS and hydrology tools to streamline erosion control workflows.

Key Topics:

- Customizing Carlson Civil Suite workspace and menus
- Creating and managing custom line types and layers
- Building erosion control templates and legends
- Integrating GIS data and base maps
- Setting up sheet sets and map templates

Descriptions, transcripts and other details of this recording ha

ve been AI-generated and may contain errors.

This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #1-3

A Virtual Classroom Using Carlson Software – Build Standardized Erosion Control Notes and Templates

This training session covers advanced Carlson CAD workflows for erosion control and survey cleanup, including Excel-driven macros, layer translation and automation using scripts and tool palettes. Participants learn how to streamline project setup, manage templates and integrate GIS and public data into CAD workflows.

Key Topics:

- Automating CAD notes and blocks using Excel and scripts
- Cleaning and translating survey layers
- Setting up templates, legends and tool palettes
- Integrating GIS data and public map services
- Handling PDFs, symbols and block libraries

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

This session was presented by Travis Maxwell on 09/19/2023.

Customizing Carlson for Erosion Control Permitting and Design:
Session #1-1

A Virtual Classroom Using Carlson Software – Customize Erosion Control Plan Production

This webinar introduces advanced customization techniques for Carlson Software's user interface, focusing on erosion control, permitting and design workflows. Travis demonstrates how to modify menus, toolbars and workspaces in IntelliCAD to streamline productivity for civil and environmental design professionals.

Key Topics:

- Customizing Carlson's user interface (CUI)
- Creating and managing workspaces
- Combining modules (Civil, Hydrology, GIS, Survey)
- Editing menus, toolbars and tool palettes

- Workflow optimization for erosion control design

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

This session was presented by Travis Maxwell on 09/19/2023.

Survey Project from Start to Finish

A Virtual Webinar Using Carlson Survey – Learn to Run a Survey Project from Start to Finish

This webinar walks through the complete process of managing a survey project using Carlson Survey 2023 within IntelliCAD. It covers data setup, importing field points, deed entry, correlation, Field to Finish and preparing final survey deliverables.

Key Topics:

- Carlson Survey configuration and project setup
- Importing and managing point data (CRD files, point groups)
- Deed entry, correlation and boundary adjustment
- Field-to-Finish automation for drawing and labeling

- Exporting to Google Earth and creating final deliverables

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 01/19/2023.