In-Depth Carlson Takeoff – Session 2-3 Recorded 01/26/2023

This advanced Carlson Takeoff training session walks participants through elevating 2D polylines to 3D, creating grading surfaces, and performing material quantity takeoffs. The instructor demonstrates step-by-step workflows for building pads, sidewalks, curbs, and balancing cut/fill volumes within Carlson Construction Suite.

Key Topics:

- Elevating 2D to 3D polylines using text, points, and leaders
- Building pad and sidewalk grading workflows
- Managing layers, offsets, and contour cleanup
- Quantity takeoff setup and material reporting
- Balancing cut/fill and generating subgrade surfaces
- Troubleshooting and workflow optimization

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.
This session was presented by Jennifer DiBona on 01/26/2023.

Web Feature Services with

Carlson GIS Recorded 5/24/2023

This webinar, hosted by That CAD Girl and presented by Travis, provides a detailed walkthrough of using web feature services (WFS) and web map services (WMS) within Carlson GIS. It demonstrates how to access, import, and manage GIS data layers such as FEMA flood maps, USGS topo maps, wetlands, and soils data to create accurate base maps for civil and survey projects.

Key Topics:

- Accessing and importing web feature and map services in Carlson GIS
- Integrating USGS, FEMA, wetlands, and soils data layers
- Setting coordinate projections and verifying grid alignment
- Using shape files and QGIS for supplemental GIS workflows
- Creating tool palettes for efficient project setup

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This session was presented by Travis Maxwell on 05/24/2023.

In-Depth Carlson Takeoff – Session 2-2 Recorded 01/26/202

This in-depth Carlson Takeoff training session guides users through advanced layer management, surface modeling, and material quantity calculations. The webinar demonstrates how to clean CAD files, assign layers, build surfaces, and calculate cut/fill volumes and topsoil adjustments for accurate takeoff reporting.

Key Topics:

- Carlson Takeoff layer-based workflow and TRG file management
- Cleaning and organizing CAD layers for modeling
- Building existing and design surfaces
- Subgrade and topsoil removal/replacement calculations
- Exporting LandXML and TIN files for machine control

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This session was presented by Jennifer DiBona on 01/26/2023.

In-Depth Carlson Takeoff –

Session 2-1
Recorded 01/26/2023

This session continues the In-Depth Carlson Takeoff training, focusing on building accurate 3D surface models from 2D plans, digitizing spot elevations, and preparing data for quantity takeoffs. Participants learned best practices for managing layers, creating polylines, and converting spot elevation labels into Carlson points for modeling and analysis.

Key Topics:

- Setting up and managing project drawings for takeoff
- Digitizing and labeling spot elevations
- Creating and elevating 2D/3D polylines
- Converting labels to Carlson points
- Modeling surfaces for cut/fill and quantity calculations
- Layer management and naming conventions
- Using symbols for inlets, curb stops, and other site features

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This session was presented by Jennifer DiBona on 01/26/2023.

In-Depth Carlson Takeoff –

Session 1-3
Recorded 01/25/2023

This session is part of a two-day in-depth virtual workshop on Carlson Takeoff, led by That CAD Girl. The training introduces participants to the differences between Carlson Takeoff OEM and the IntelliCAD-based Takeoff Suite, covering setup, importing PDFs, merging images, and preparing data for takeoff and modeling.

Key Topics:

- Overview of Carlson Takeoff OEM vs. IntelliCAD Takeoff Suite
- Using CADnet, Construction, Civil, Trench, and Geotech modules
- Importing and merging PDFs and raster images
- Converting raster/vector data and digitizing for takeoff
- Preparing 2D and 3D features for quantity takeoff and modeling

Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.
This session was presented by Jennifer DiBona on 01/25/2023.

In-Depth Carlson Takeoff –

Session #1-2
Recorded 1/25/23

This session is the second part of an in-depth Carlson Takeoff training, demonstrating how to import, scale, and digitize PDF grading plans to prepare existing and proposed surfaces for quantity takeoff. The instructor walks through practical CADNet and Takeoff workflows, emphasizing control setup, layer management, and contour digitization.

Key Topics:

- Importing and scaling PDF grading plans
- Setting control points and layers in Carlson CADNet
- Digitizing existing and proposed contours
- Using Scale Wizard, Raster cleanup, and Digitize tools
- Preparing data for surface modeling and takeoff

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This session was presented by Jennifer DiBona on 01/25/2023.

In-Depth Carlson Takeoff – Session #1-1

Recorded 01/25/23

This session is part of a two-day in-depth virtual workshop on Carlson Takeoff, led by That CAD Girl. The training introduces participants to the differences between Carlson Takeoff OEM and the IntelliCAD-based Takeoff Suite, covering setup, importing PDFs, merging images, and preparing data for takeoff and modeling.

Key Topics:

- Overview of Carlson Takeoff OEM vs. IntelliCAD Takeoff Suite
- Using CADnet, Construction, Civil, Trench, and Geotech modules
- Importing and merging PDFs and raster images
- Converting raster/vector data and digitizing for takeoff
- Preparing 2D and 3D features for quantity takeoff and modeling

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This session was presented by Jennifer DiBona on 01/25/2023.

Stormwater Channel Design in Carlson Software

Recorded 10/25/2023

This webinar, hosted by That CAD Girl and presented by Travis, provides a detailed walkthrough of stormwater channel design using Carlson Software. It covers hydraulic principles, channel stability analysis, and practical workflows for grading and modeling swales within Carlson Civil and Hydrology modules.

Key Topics:

- Fundamentals of open channel hydraulics and design equations
- Using Carlson Software tools for channel and liner design
- Practical workflow for grading swales and calculating flow parameters
- Shear stress, velocity, and lining stability analysis
- Integration of hydrology tools for watershed and flow calculations

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

This session was presented by Travis Maxwell on 10/25/2023.

Using Carlson for ADA

Accessible Design – Session 1-2
Recorded 4/21/2023

This webinar continues the “Using Carlson to Design for ADA Accessibility” series, demonstrating practical methods for grading, parking layout, and ADA-compliant site design using Carlson Civil Suite. Travis provides live examples of slope control, curb ramp modeling, and surface creation to meet ADA standards efficiently.

Key Topics:

- ADA parking and slope requirements
- Carlson Civil Suite tools for grading and surface modeling
- Creating accessible routes, ramps, and curb transitions
- Troubleshooting triangulated surfaces and contour issues
- Using RoadNet and SiteNet for curb and ramp automation

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 04/21/2023.

Using Carlson for ADA Accessible Design – Session

1-1
Recorded 04/21/2023

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a detailed walkthrough of designing ADA-compliant site features using Carlson Civil and IntelliCAD. The session covers accessible parking, curb ramps, grading techniques, and practical tools for ensuring compliance with ADA and Fair Housing Act standards.
Key Topics:
ADA and Fair Housing Act accessibility design standards
Carlson Civil tools for curb ramps, parking, and grading
Dynamic modeling and slope analysis for ADA compliance

This session was presented by Travis Maxwell on 04/21/2023.