

# **Coordinate Transformations & Localizations with Jeremy Taylor PLS**

## **Recorded 10/16/2018**

This webinar, hosted by That CAD Girl and presented by surveyor Jeremy Taylor, provides a detailed walkthrough of coordinate transformation, rotation, translation, and localization techniques using Carlson Survey and SurvCE/SurvPC software. It covers both office and field workflows for aligning survey data, managing coordinate systems, and performing GPS localizations effectively.

### **Key Topics:**

- Coordinate translation, rotation, and alignment in Carlson Survey
- Field localization and GPS workflows in SurvCE/SurvPC
- Grid-to-ground conversions and best practices for survey accuracy

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

This session was presented by Jeremy Taylor on 10/16/2018.

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## **Advanced Field to Finish –**

# Perfecting Coding & Creating Linework

## Recorded 3/18/2020

This advanced Carlson Survey webinar demonstrates how to perfect field-to-finish coding and generate accurate linework directly from survey data. It covers building and editing FLD files, normalizing field codes, and using special codes to automate linework creation.

### Key Topics:

- Creating and editing Field-to-Finish (FLD) files
- Normalizing and bulk-importing point descriptions
- Using special codes for linework, curves, offsets, and closures

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*This session was presented by Jennifer DiBona on 03/18/2020.*

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# All About Roadway Templates

## Recorded on 5/5/2020

This webinar, hosted by That CAD Girl and presented by Mark Long of Carlson Software, provides an in-depth tutorial on creating and managing roadway templates in Carlson Civil. The session covers advanced template design, super elevation, transitions,

subgrades, and practical applications for roadway and subdivision design.

**Key Topics:**

- Carlson Road Design and Template Creation
- Super Elevation and Template Transitions
- Subgrade and Cut/Fill Slope Configuration
- Template Point Centerline and Profile Tools
- Practical Design Applications and Tips

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*This session was presented by Mark Long on 05/05/2020.*

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# **Centerlines, Profiles & Overview of RoadNet**

## **Recorded 12/05/2018**

This webinar provides a comprehensive walkthrough of Carlson Software's tools for creating and managing centerlines, profiles, and roadway designs using RoadNet. It covers manual methods for building alignments and profiles, linking data files, and automating roadway networks for efficient civil design workflows.

**Key Topics:**

- Creating and editing Carlson centerline (.CL) and profile (.PRO) files
- Linking CAD geometry to external data files

- Drawing and labeling profiles in Carlson Survey and Civil
- Designing roads and intersections using Carlson RoadNet
- Managing templates, cul-de-sacs, and volume reports

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This session was presented by Jennifer DiBona on 12/05/2018.

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# **Features of Carlson Survey & Civil – Setting Points and Stakeout**

## **Recorded 11/20/2018**

This webinar demonstrates how to use Carlson Survey and Carlson Civil to create, manage, and stake out points efficiently. It covers field-to-finish workflows, point defaults, creating points from entities, interpolating points, and generating offset or spot-elevation data for design and construction projects.

### **Key Topics:**

- Field-to-Finish and FLD file integration
- Point Defaults and Layer Management
- Creating Points from Entities (COGO tools)
- Interpolation and Offset Commands
- Dynamic Spot Elevations linked to surfaces

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This session was presented by Jennifer DiBona on 11/20/2018.

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# **Overview of SurvCE & SurvPC and the Carlson Cloud Recorded 6/12/2018**

This webinar provides a detailed overview of Carlson's field software—SurvCE and SurvPC—and demonstrates how they integrate with the Carlson Cloud for data sharing. Presenter Jeremy Taylor walks through configuration, setup, and practical field workflows for surveyors using both total stations and GPS equipment.

## **Key Topics:**

- Overview and comparison of SurvCE and SurvPC
- Job setup, configuration, and data management
- Equipment setup for total stations and GPS
- Feature coding, field-to-finish, and stakeout workflows
- Using Carlson Cloud for file transfer and collaboration

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This session was presented by Jeremy Taylor on 06/12/2018.

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# **2016 Virtual Classroom – Survey & GIS Virtual Workshop – Session 6 Recorded 05/17/2016**

This session of the Surveying GIS Virtual Workshop focuses on transforming 2D CAD drawings into 3D models for use in surveying, construction stakeout, and model building. It provides step-by-step demonstrations of Carlson Software tools for elevating, labeling, and cleaning up engineering drawings to prepare accurate 3D surfaces.

## **Key Topics:**

- Converting 2D entities to 3D using Carlson Civil tools
- Elevating building pads, curbs, and contours
- Cleaning and preparing engineering drawings for modeling
- Managing layers, blocks, and Civil 3D/Land Desktop data
- Creating working drawings and exporting surfaces

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This session was presented by Jennifer DiBona on 05/17/2016.

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# **2016 Virtual Classroom –**

# **Survey & GIS Virtual Workshop**

## **– Session 5**

### **Recorded 05/17/2016**

This session of the Survey and GIS Virtual Workshop provided a detailed walkthrough of Carlson Software's Field to Finish functionality, led by Scott Griffin. The presentation demonstrated how to automate drawing creation from field data, manage codes, and integrate 3D elements, pipes, and GIS attributes within Carlson Survey.

#### **Key Topics:**

- Carlson Field to Finish setup and workflows
- Code tables, special codes, and feature types (Tree, Pipe, Topo)
- Creating 3D trees, pipes, and curb templates
- Generating tree legends, SEW files, and 3D PDFs
- Importing and converting PDF files using CADnet

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This session was presented by Scott Griffin on 05/17/2016.

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**2016 Virtual Classroom –**

# **Survey & GIS Virtual Workshop**

## **– Session 4**

### **Recorded 05/17/2016**

This virtual class, hosted by That CAD Girl and presented by Jeremy Taylor, provides a comprehensive overview of Carlson's field software—SurvCE and SurvPC—and demonstrates practical workflows for survey data collection, cloud file sharing, and GPS/localization setup. The session also covers integration with Carlson Survey desktop software and best practices for efficient field-to-office coordination.

#### **Key Topics:**

- Differences between SurvCE and SurvPC
- Using Carlson Cloud for file transfer and collaboration
- Job setup, configuration, and data management
- Integration with total stations and GPS rovers
- Working with CAD files and alignments in the field
- Ground vs. grid coordinate handling and localization

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This session was presented by Jeremy Taylor on 05/17/2016.

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**2016 Virtual Classroom –**

# Survey & GIS Virtual Workshop – Bonus Lunch Session 3 Recorded 05/17/2016

This session of the Survey and GIS Virtual Workshop features a demonstration of Carlson Software's Precision 3D Topo, led by Nathan Cruise. The presentation showcases surface editing, visualization, field-to-finish workflows, and 3D modeling capabilities for survey and design professionals.

## Key Topics:

- Precision 3D Topo features and workflows
- Surface editing and visualization tools
- Field-to-finish automation and 3D modeling
- Importing and managing survey data
- Auto texturing and presentation tools

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This session was presented by Nathan Crews on 05/17/2016.