

That CAD Girl

What features & menus are in Carlson Survey with embedded AutoCAD (OEM)? (a running thread)

August 20, 2016

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Features and Benefits of Survey 2017 with embedded AutoCAD (OEM)

Carlson Survey is a comprehensive program containing all of the tools that a surveyor needs. Here are some of the things you can do with **Carlson Survey**:

- Access both the Carlson Survey and the full C & G menus,
- Utilize the very best software tools for all your site design & subdivision design needs,
- Enter deed descriptions and generate a variety of lot reports including fully customizable legal descriptions,
- Enter deed descriptions and correlate field located property corners with deed property corners to find the best fit orientation & alignment,
- Use the Deed Reader command to extract deed line and curve data from a text file (the text file can sometimes be generated using the OCR feature of scanning software),
- Use the Lot Network feature to create a dynamic subdivision design that takes into account road

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centerline and right of way, building setbacks, wetland or poor soils areas and inserts one or more building footprints onto each lot,

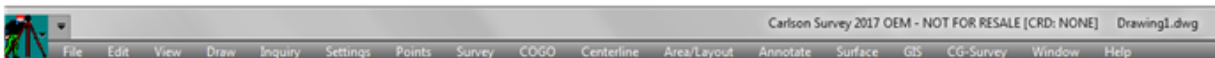
- Have full point CAD management capabilities including data collector download/upload, import/export points in text and most other formats including Civil 3d,
- Process raw data files using various methods including SurvNet Least Squares,
- Perform dozens of COGO functions,
- Use Field to Finish (F2F) to process automatic linework and description key/description code definitions,
- Utilize dozens of time-saving point stake out commands,
- Import surfaces from Civil 3d and Google Earth®,
- Create surface model files for existing and proposed conditions,
- Edit the contours generated from a surface model and automatically update the underlying TIN file,
- Design and balance cut and fill for one or more building pads at a time,
- Calculate earthwork volumes between two surfaces including building pads, stockpiles and borrow pits,
- Create, define, edit and draw centerline alignments using a variety of methods including best fit,

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- Create, define, edit and draw profiles using a variety of methods,
- Automatically update stationing when centerlines change, profiles when centerlines or surfaces change, etc,
- Automatically generate plan and profile sheets in model or paper space,
- Import, edit and export GIS shape files,
- Import a variety of image files including MrSid and geo-referenced TIF and JPG files.

Menus in Survey 2017 with embedded AutoCAD (OEM)

Menu bar in Survey 2017 showing the compact version of the CG-Survey menu

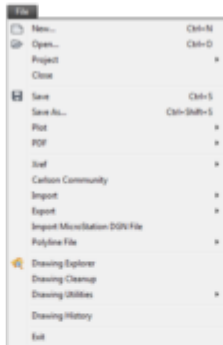


The menus below are available in Carlson Survey 2017 with

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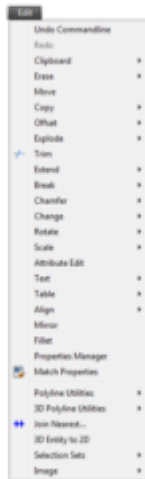
embedded AutoCAD (OEM)

File Menu



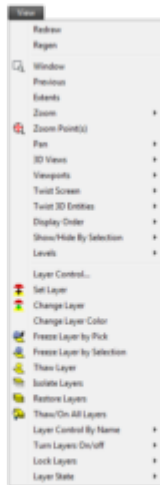
Edit Menu

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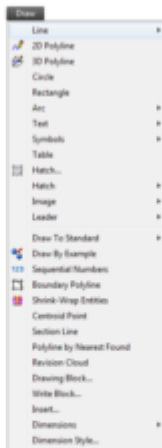
View Menu

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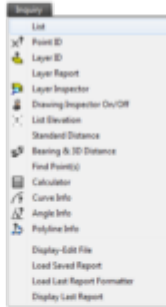
Draw Menu

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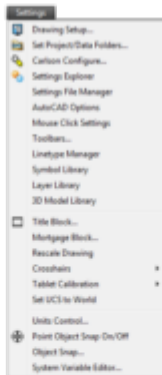
Inquiry Menu

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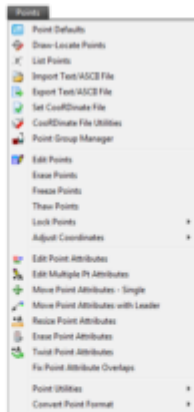
Settings Menu

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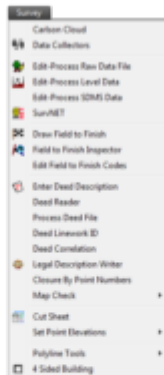
Points Menu

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Survey Menu

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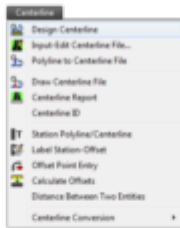
COGO Menu

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Centerline Menu

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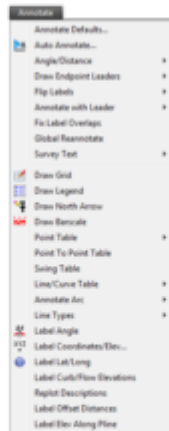
Area/Layout Menu

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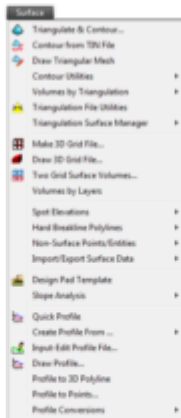
Annotate Menu

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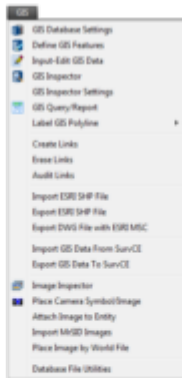
Surface Menu

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GIS Menu

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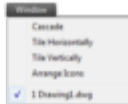
CG-Survey Menu

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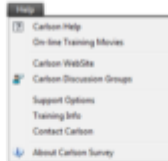
Window Menu

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Help Menu

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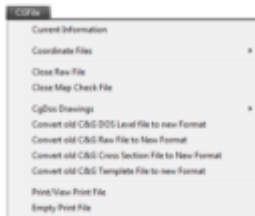
Menu bar in Survey 2017 showing the expanded version of the CG-Survey menu



The menus below are available when using the expanded version of the CG-Survey menu

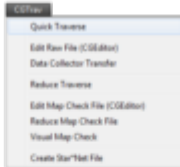
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CG File Menu



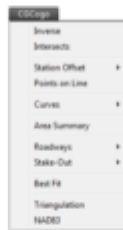
CG Trav Menu

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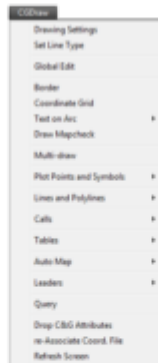
CG Cogo Menu

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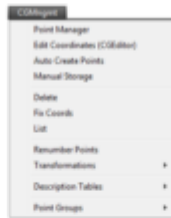
CG Draw Menu

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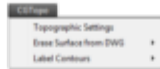
CG Mngmt Menu

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CG Topo Menu

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CG Tools Menu

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