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

August 20, 2016 FAQ: What are the latest improvements in Carlson Software?

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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

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,

- 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

Carlson Survey 2017 OEM - NOT FOR RESALE [CRD: NONE] Drawing1.dwg

#### The menus below are available in Carlson Survey 2017 with

embedded AutoCAD (OEM)

File Menu



Edit Menu



View Menu

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	Previous	
	Extents	
	Zoom	
÷.	Zoom Point(s)	
	Fan	
	30 Views	
	Vexports	
	Twist Screen	
	Twist 3D Entities	
	Display Order	٠
	Show/Hide By Selection	٠
	Levels	
	Layer Control	
Ŧ	SetLayer	
1	Change Layer	
	Change Layer Color	
2	Freeze Layer by Pick	
1000	Freeze Layer by Selection	
4	Than Layer	
	Isolate Layers	
•	Restore Layers	
9	Than/On All Layers	
	Layer Control By Name	
	Turn Layers On/off	
	Lock Layers	
	Layer State	

Draw Menu

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	Text	
	Symbols	
	Table	
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	Leader	
	Draw To Standard	
*	Draw By Example	
113	Sequential Numbers	
13	Boundary Polyline	
	Shrink-Wasp Entities	
	Centroid Point	
	Section Line	
	Folyline by Nearest Found	
	Revision Cloud	
	Drawing Block	
	Write Block	
	Inset	
	Dimensions	
	Dimension Style	

Inquiry Menu

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	List
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4	Layer ID
	Layer Report
<b>9</b>	Layer Inspector
4	Drawing Inspector On/Off
20	List Elevation
	Standard Distance
53	Bearing & 3D Distance
	Find Point()
	Calculator
14	Curve Info
12	Angle Info
25	Polyline Info
	Display-Edit File
	Load Saved Report
	Load Last Report Formatter
	Display Last Report
	noticed over selected

Settings Menu

2	tings.	
	Drawing Setup	
1	Set Project/Data Folders	
٩	Carlson Configure	
٠	Settings Explorer	
	Settings File Manager	
	AutoCAD Options	
	Mouse Click Settings	
	Toobars	
	Linetype Manager	
	Symbol Library	
	Layer Library	
	3D Model Library	
	Title Block-	
	Mortgage Block	
	Recale Drawing	
	Crossheirs	
	Tablet Calibration	
	Set UCS to World	
	Units Control	
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	Object Snap	
	System Variable Editor	

**Points Menu** 

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	Point Delauto	
-	Draw-Locate Points	
$\mathcal{K}$	List Points	
3	Import Text/ASCI File	
D.	Export Text/ASCEFile	
2	Set CooRDinate File	
1	CosRDinate File Utilities	
3	Point Group Manager	
	Edit Points	
	Exase Points	
	Franze Paints	
	These Points	
	Lock Points	
	Adjust Coordinates	٠
	Edit Point Attributes	
3.	Edit Multiple Pt Attributes	
х ÷	Move Point Attributes - Single	
ŝ	Move Point Attributes with Leader	
-4	Resign Point Attributes	
8	Enane Point Attributes	
3	Twist Point Attributes	
	Fix Point Attribute Overlaps	
	Point Utilities	
	Convert Point Format	

Survey Menu



COGO Menu

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-	Draw-Locate Points	(LP)
1	Inverse	0
	Occupy Point	(OP)
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24	Side Shots	(55)
	Enter-Assign Point	(5A)
	Raw Rile De/Off	
	Line On/Off	
	Visual COSO	
	Locate by Bearing-Ang	
	Locate at Intersect	
	Benchmark	
	Numeric Pad COGO	
	Line By Angle-Distance	
	Tangent Line from Circles	
	Geodetic	
	Section Corners	
	Solar Observations	
	Triangle Solutions	
	Best Fit	
	Interpolate Points	
슈	Create Points from Entities	
	Offset Points By Interval	
đ	<b>Building Offset Extensions</b>	
	<b>Draw Building Envelope Polyline</b>	
	Radial Stakeout	

**Centerline Menu** 



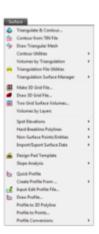
Area/Layout Menu

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	Area Defaults	
-	Invente with Area (34)	
0	Area by Lines & Area	
•	Area by Interior Point	
0	Area by Closed Polylines	
	Area Utilities	
	Area Tables	
	Area Descriptions	٠
	Adjust Areas	
	Layout Ublittee	
旧	Lot Network Settings	
	Lot Network Boundary	
	Lot Network Sub-Areas	
	Lot Network Roads	
	Lot Network Linework	
	Lot Network Areas	
	Lot Network Labels	
	Lot Network Utilities	
	Set Lot File	
	Create Lots	
2	Lot File Manager	
	Lot File Utilities	

Annotate Menu



Surface Menu



**GIS** Menu



**CG-Survey Menu** 

CG-Survey	
File	
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Draw	
Management	
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Window Menu



Help Menu

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8	Carlson Help
	<b>On-line Training Movies</b>
	Carbon WebSite
æ	Carlson Discussion Groups
	Support Options
	Training lefts
	Contact Carlson
÷	About Carlson Survey

#### 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

CG File Menu



CG Trav Menu



CG Cogo Menu

Inverse	
Intersects	
Station Offset	
Points on Line	
Carves	
Area Summary	
Rondways	
Stake-Out	
Best Fit	

CG Draw Menu

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	Drawing Settings Set Line Type	
	Gobal Edit	
	Bonter Coordinate Grid	
	Test on Arc Draw Mapcheck	'
	Multi-draw Plot Points and Symbols	
	Lines and Polylines	,
	Calls Tables	
	Auto Map	,
	Leaders Query	,
	Drop CB/G Attributes	
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CG Mngmt Menu

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Point Manager	
Edit Coordinates (CGEdito	4
Auto Create Points	
Manual Storage	
Delete	
Fix Coords	
List	
Renumber Points	
Transformations	
Description Tables	
Paint Groups	

CG Topo Menu



CG Tools Menu

COTests	
C0 Options	
Copy Entity to Layer	
Layer Control	
Devations	
Descriptions	
Point Code	
Auto Point Number	
Auto Point Plot	
Auto Lines	
C&G Snap	
Zoom to Point ID	
Windows Calculator	

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