That CAD Girl

Frequently Asked Questions

[FAQ302] What features & menus are in Carlson Survey with embedded AutoCAD (OEM)? (a running thread)

FAQ: What are the latest improvements in Carlson Software?



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 georeferenced 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 Draw Inquiry Settings Points Survey COGO Centerline Area/Layout Annotate Surface GIS CG-Survey Wi

The menus below are available in Carlson Survey 2017 with embedded AutoCAD (OEM)

File Menu

0	New	Chris-N
2	Open	Chil+D
	Project	
	Cleve	
8	Save	Chil+5
	Save As	Call-Shift-S
	Plot	
	POF	,
	livel	
	Carlson Community	
	Import	
	Export	
	Import MicroBation DOV File	
	Polyline File	
R,	Drawing Explorer	
	Drawing Ceanup	
	Drawing Utilities	,
	Drawing History	
	fuit .	

Edit Menu



View Menu

10		
	Redress	
	Regen	
G,	Window	
	Previous	
	Extents	
	Zoom	
ŧ.	Zoom Point(s)	
	Fan	
	30 Views	
	Vexports	
	Twist Screen	
	Twist 3D Entities	
	Display Order	
	Show/Hide By Selection	
	Levels	•
	Layer Control	
Ŧ	Set Layer	
i	Change Layer	
	Change Layer Color	
e	Freeze Layer by Pick	
	Freeze Layer by Selection	
۰.	Than Layer	
•	Isolate Layers	
•	Restore Layers	
9	Thaw/On All Layers	
	Layer Control By Name	٠
	Turn Layers De/off	
	Lock Layers	
	Layer State	

Draw Menu



Inquiry Menu



Settings Menu



Points Menu

	_	
22	101	
	Point Defaults	
9	Draw-Locate Points	
\mathcal{K}	List Points	
2	Import Text/ASCII File	
D.	Equal Text/ASCEFile	
8	Set CooRDinate File	
Ŷ	CouRDinate File Utilities	
÷	Point Group Manager	
7	Edit Points	
	Exase Puints	
	Freeze Points	
	These Points	
	Lock Points	
	Adjust Coordinates	٠
	Edit Point Attributes	
3.	Edit Multiple Pt Attributes	
÷	Move Point Attributes - Single	
e.	Move Point Attributes with Leader	
-4	Resize Point Attributes	
6	Exast Point Attributes	
3	Twist Point Attributes	
	Fix Point Attribute Overlaps	
	Point Utilities	
	Convert Point Rormat	

Survey Menu



COGO Menu

-	Draw-Locate Points	(LP)
Ń	Inverse	
	Occupy Point	(OP)
34	Travena	(7)
ų,	Side Shots	(55)
	Enter-Assign Point	(EA)
	Raw File Dr./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	
ŵ	Create Points from Entities	
	Offset Points By Interval	
đ	Building Offset Extensions	
	Draw Building Envelope Polyline	

Centerline Menu



Area/Layout Menu

	ta Caynol	
	Area Defaults	
-	Inverse with Area (34)	
0	Area by Lines & Area	
(III)	Area by Interior Point	
0	Area by Closed Polylines	
	Area Ubilities	
	Area Tables	
	Area Descriptions	
	Adjust Areas	
	Lavout Ublities	
189	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	
1	Lot File Manager	
•	Lot File Utilities	
	Contract promotion	

Annotate Menu



Surface Menu



GIS Menu



CG-Survey Menu

CG-Survey	
File	
Travense	
Cogo	
Drew	
Management	
Tepo	
Teols	
Full CG Menu Mode	

Window Menu



Help Menu



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

-	Current Information	-
	Coordinate Files	
	Crose Raw File	
	Close Map Check File	
	CgDos Drawings	
	Convert old C&G/DOS Level file to new Format	
	Convert old C&G Raw File to New Format	
	Convert old C&G-Cross Section File to New Format	
	Convert old CB/S Templete File to new Format	
	Print/View Print File	
	Empty Print File	

CG Trav Menu



CG Cogo Menu

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

CG Draw Menu

Orausing Settings	
Set Line Type	
Global Edit	
Border	
Coordinate Grid	
Test on Arc	
Draw Mapcheck	
Multi-draw	
Plot Points and Symbols	
Lines and Polylines	٠
Calls	
Tables	
Auto Map	٠
Leaders	
Query	
Drop-CB/G Attributes	
re-Associate Courd. File	
Refresh Screen	

CG Mngmt Menu

Point Manager	
Edit Coordinates (CGEditor	6
Auto Create Points	
Manual Storage	
Delete	
Fix Coords	
List	
Renumber Points	
Transformations	
Description Tables	
Paint Groups	

CG Topo Menu



CG Tools Menu

COTools	
CG Options	
Copy Entity to Layer	
Layer Control	
Elevations	
Descriptions	
Point Code	
Auto Point Number	
Auto Point Plot	
Auto Lines	
C&G Snap	
Zoom to Point ID	
Windows Calculator	

That CAD Girl

If you find the material on this website helpful, please consider supporting That CAD Girl or one of our Trusted Partners, such as Carlson CAD Solutions, by purchasing or referring others to us for CAD and Carlson Software support and training.