

Carlson 2026 New Features and Improvements

General

- Added support for IntelliCAD 13.1 and AutoCAD 2026
- Added Unit detection from Civil 3D drawings
- Improved Civil 3D Point conversions
- Report Formatter now has Title Editor on main dialog box
- Added Points with Wipeouts to OEM symbol library
- Import Polyline Files now allows multiple file selection
- Settings Server now always allow multiple file selection
- Added new Fillet at Polyline Intersection command to give option to save polyline segments after fillet
- Added new command Remove Proxy Objects to help with AutoCAD copy/paste issues

DGN

- Resolved color differences between DGN/DWG palette colors in Draw Profile and Profile Capture

Survey

Menu

- Created new Stakeout Pull-Down Menu containing stakeout specific commands

Annotate

- Survey Text routines now support Annotative Properties
- Line and Curve tables now support use of Suffix
- Table Defaults dialog box now displays table status
- Improved Line/curve Table defaults
- Added support to use annotation defaults in Label Arc command
- Added support to apply Table Default Settings to existing tables
- Added "Header and Title Defaults" button to Table Defaults
- Added command to "Un-Link Labels" to line work without deleting from table
- Curve and Line Tables now supports Editing by double-click action

Survey

- The Legal Description Writer now supports "Word style" quotes.
- Improved SurvNET project recall selection

Centerline

- Added Station and Offset display and labeling to Surface Inspector

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- Added Centerline Report to the Centerline Editor.

Field to Finish

- Edit Field is now in focus when adding an new category
- Added "Select All" and "Clear All" for column options
- Column option button names changed to match their respective column header names for export import options
- Added ability to draw both 2D and 3D offset polylines on user defined layers

GIS

- Added Point GIS Editor to Survey Module GIS pulldown menu

Lot Network

- Added new command to remove ROW Lines from being processed
- Added option to clear selected entities from the Lot Network
- Added new commands to highlight current ROW and Lot Edges
- Added option to Load Lot Types from an existing LTN file
- Added new feature to LotNET to create Custom Setbacks
- Added new command to clear Custom Setbacks from selected polylines
- Added ability to create an isolated Parcel (Lot) with no frontage
- Added ability to dictate Lot Closure Tolerance in LotNET
- Points
- Added option to update CRD point descriptions and elevations using an entity, lines, arcs or polylines as the selection.
- Added ability to tag non surface points from Edit Multiple Point Attributes command
- Added ability to tag non surface points from Point Group Manager
- Add Draw 3D polyline to Point Groups Manager
- Added support for NGS NCAT format to Import Points
- Added more weighting options to Best Fit Line by Least Squares routine

Area/Layout

- Added Solar Farm Piling Placement command

Civil

Profiles

- Added recognition of Horizontal Label Box "Draw Vertical Lines" option to Profile Capture
- Added storage of "Draw Label Box Headers" option to Profile Capture
- Added support to Extract grid settings (Civil3D Profile View) from Civil3D objects in Profile Capture
- Profile Capture now supports Grid Style of "None"
- Added support to Profile Capture for drawings with active "Twist Screen" view
- Added support to label minor stations in Draw Profile
- Improved intelligence of various Profile Capture capabilities
- Added several more options to Drawing Profiles

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- Added new command to save profile data from drawings

Sections

- Updated Draw Sections dialog layout to be consistent with Draw Profile
- Improved labeling options for Draw Sections
- Improved performance for large section files
- Added new command to save section data from drawings

Road Network

- Improved file management for Road Networks
- Added Draw ROW Polyline toggle to Road Network's Settings to allow control of the ROW linework.
- Added intersection indicator
- Added option to round elevations to building pads
- Updated Template Series Editor to allow the Template used to be edited from within the editor.
- Improved transition template with island to those without
- Improved output file processes
- Added new command BANKPRO to create stream bank profiles for stream reclamation
- Improved template drawing options
- Added option for a "Smooth" transition between templates

3D Data

- Added offset to surface options in Offset 3D Polyline
- Profile to 3D polyline now allows configuration of vertical curve density

Surface

- Added option to display and label Station Offsets in surface Inspector
- Grid file Utilities now supports combining adjacent grids
- Added ability to adjust contours by points from a coordinate file
- TINUTIL command for TIN transformation

Hydrology

SewerNET

- Added option to Erase Network to support SewerNET files
- Added symbol previews for lateral settings.
- Improved labeling options in Plan View for laterals
- Added option to decrement manhole names
- Added option to directly enter invert values in SewerNET dialog box
- Improved options for labeling sewer laterals
- Added lateral cleanout station/offset in the lateral design, updated functions to compute the station/offset, read/save data, and display on the dialog.
- Improved Lateral creation workflow
- Add the attribute block option for lateral labels at the cleanout location.

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- Added cleanout station, offset and depth to the sewer lateral report
 - Improved text labeling options for lateral annotations
 - Improved Rainfall data checks
 - Improved options for drawing and labeling Sewer Profiles

Structure

- Added horizontal orifice, multiple drop pipe design; updated Pond design and HydroNet

Watershed

- Modified HydroNet to not prompt the surface file when it is set to use the 3D flow line slope.
- Made tailwater editable on the sewer dock dialog editor for Rational method.
- Updated create profile from pipe polyline crossings to store pipe material and thickness in the profile.
- Added ability to reduce polyline vertices for large watershed areas

Mining

- Improved grade merging for very large block models
- Adjusted Min Key Thickness option to consider all constraints reflecting previously improved thickness and area estimates for strata

Point Cloud

- Improved reporting and options for Cloud Compare routine
- Added Feature Completion routines to Point Cloud drop down menu
- Added ability to compare points to TINs or fixed elevations in Point Cloud Compare routine.
- Added Clear option for Point Cloud ortho image
- Improved file management for Point Cloud projects
- Improved project settings retention for purposes of new project creation
- Point Cloud: Added Snap Mode controls to Select by Sphere routine.
- Best Fit Roundabout Routine now reports the standard deviation and average value of the residuals of the best-fit circle calculation.
- Merge Cloud Dialog now saves the Color and Intensity toggle settings and updates their enabled status according to whether the items being merged have the corresponding attributes.
- The last opened project is now recalled in between runs of Point Cloud.
- Added summary of fitted/simplified profile data information in the Extract Profile routine.
- Improved tooltip when selecting "Extract Along" polyline in the Extract Profile routine.
- Added improved prompts for modifying existing clouds
- Improved profile extraction control and documentation
- Improved Scene viewing contrast
- Added units display to Bare Earth by Grid method
- Added Delete Polyline to the Screen Pick Action drop down menu in the Create Polyline Panel that allows deleting polylines with one click

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- The Feature Extraction drop down now has a combined parking lines and paint stripes extraction tool. The individual routines are still available from the Action Page -> Color Lines panel
 - Best Fit Roundabout feature completion to clean up extracted roundabouts

GIS

- Added Background transparency to World TIF file
- ArcGIS Feature, Image, and Map Service: Routine now support OAuth 2.0 authentication for accessing private services.