

General Improvements to Carlson Software for 2009

- **CAD Platforms** – Added support for running on IntelliCAD 6.4, AutoCAD 2009 and Map 2009.
- **New Toolbars** – Added 50+ more default toolbar icons for common commands.
- **New Transparent Commands** – Added four new transparent command to use at any pick point prompt. These commands are bearing-bearing intersection ('bbpt), bearing-distance intersection ('bdpt), distance-distance intersection ('ddpt) and center-of-mass ('centroid). For the existing centerline transparent command ('cl), added a method to specify the station along the centerline as a distance factor.
- **Quick Keys** – Updated user-interface to use spreadsheet, added description field and added save/load functions.
- **Drawing Inspector** – Added area to report for polyline data of closed polylines plus a 3D Faces report option.
- **Hot Drawing Explorer** – Redesigned as a docked dialog with file type icons and customizable layout. Added right-click support on the files in the list for executing functions by file type.
- **Project Explorer** – Redesigned as a docked dialog with file icons, customizable layout and right-click functions.
- **New Layer Library** – New command to store layer names with properties organized by category to help manage layer standards. Layer Library functions include comparing the drawing with the library and reporting. The Layer Library can be used when selecting layers in other commands.
- **Symbol Library** – Added 43 new point symbols.
- **Settings Folder** – New configuration setting to have a default folder for program setting files that is separate from the default data folder.
- **3D Viewer Window** – Added pre-defined 3D views for NE, SE, SW, NW and plan. Expanded range of vertical scaling from 0.001 to 100.
- **New Highlight Non-Tangent Polylines** – New commands to highlight and report any non-tangent segments from the selected polylines.
- **New Draw Arc by PC, PT, Tangent** – New command to create an arc by PC and PT points plus the tangent-in.
- **New Draw Arc by 2 Tangents, through Point** – New command to create an arc by tangents in/out plus a pass through point on the arc.
- **New Offset to Layer** – New command to put the offset polyline into a separate layer from the original.
- **New Offset Multiple** – New command to apply the same offset multiple times at once.
- **New Temporary Erase** – New command to erase entities while tracking their data to allow for restoring.
- **New Draw Flow Leader** – New command to create flow leaders.
- **New Draw Bold Curve Leader** – New command to create a thick style leader.
- **New Draw Box Around Text** – New command to draw a polyline box around the selected text.
- **New White Solid Behind Text** – New command to create a white solid for background of the selected text.
- **New Trim Linework Through Text** – New command to trim linework for sections that overlap text.
- **New Add Prefix/Suffix Text** – New command to add prefix and/or suffix to the selected text.
- **New Remove Spaces From Text** – New command to remove leading and trailing spaces from the selected text.
- **New Line Up Text** – New command to line up selected text to either a horizontal or vertical line.
- **New Join Text Entities** – New command to append selected text entities into a single text entity.
- **Sequential Numbers** – Added 4 new symbol options and added option to group the label with the symbol.