

Readme for Advanced Road Design 2010.00

This readme contains important information regarding the installation and use of the Advanced Road Design 2010.00.

Installation Instructions

New Installation: Follow the instructions on the CD and the *Installation and Licensing Guide* found on the install CD.

Upgrade/Update: This installation is a new version of Advanced Road Design, version 2010 for AutoCAD Civil 3D 2010. **You do not need to uninstall any previous versions of Advanced Road Design.** The installation will use the common folder from previously installed ARD 2009 installation.

Licensing

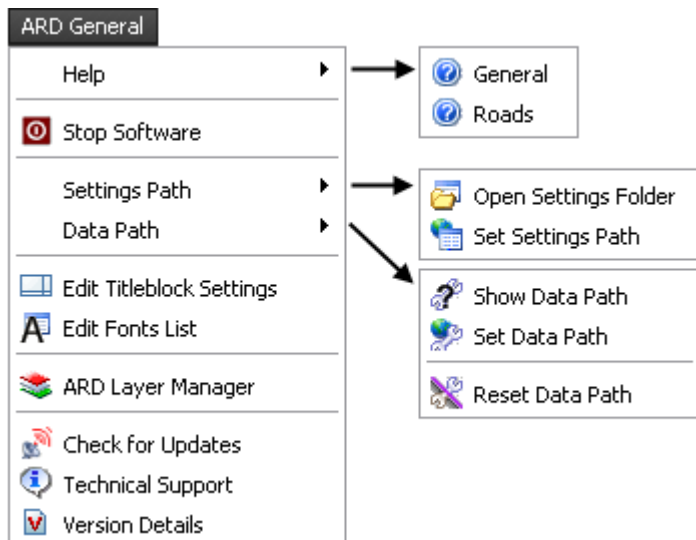
New Installations: You will need to authorise the software, please refer to the *Installation and Licensing Guide* for more information.

Upgrade/Update: The existing licensing from a previously installed ARD 2008/2009 will be used - there has been no changes to the licensing system.

Core Functionality Changes

Menus

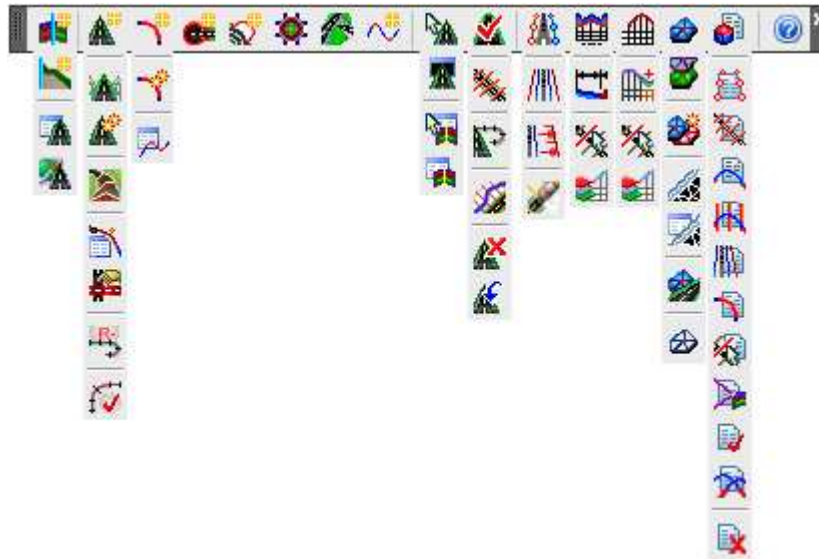
- A new menu **ARD General** has been created. This menu contains all commands common to all modules of Advanced Road Design. Most of the commands have been moved from the previous Roads menu.



Toolbars

- The Roads toolbars have been reorganised and a new toolbar has been created for the ARD General commands. Now there is one main toolbar for both Roads and ARD General with most other commands available directly or via flyouts as shown:


Roads:



ARD General:




Help

The help system has been enhanced to include all the commands from the new ARD General menu and toolbar. The ARD General help can be opened by running the command ARD General => Help => General or clicking  icon. Hovering over a particular icon on the toolbar then pressing F1 will also open the help for that specific command.

Commands Added

The following commands have been added to the software:

-  Technical Support
 - This command connects you to the CADApps support login webpage to lodge a technical support request. An active internet connection is required.

Updated Commands

The following commands have been updated:

- Reports => Volumes
 - This command has been enhanced to include Save and Load settings functionality. The Save & Load buttons can be used to save and restore the settings used for volume calculations.
- Design Data Form => Cross Section Viewer
 - This function has been enhanced to include the option to display the depths rather than the Template Codes.

Resolved Issues

This installation resolves a number of bugs, including:

- An error with calculations for the Reference Line Compute VC from Existing Data command has been fixed. Previously in some cases the results were not as expected.

Known Issues

The following is a list of known issues with the software

- The volume report trimming feature may include volume for sections of the road beyond the start/end of the cul-de-sac alignment.
- If Split Datum is applied any Hatching applied to the long section is not adjusted to match the datum split(s).
- When you create a kerb return and use the 'Auto' option for the creation of the cross sections, the software applies a Batter Override using the slope value as specified in the Active Drawing Settings and using the start/end chainage of the alignment at the time of creation. If you subsequently extend the kerb alignment the Batter Override entry will not be updated – this will result in a section of the kerb return to be without batter slopes applied. You will need to adjust the Batter Override controls in the kerb return's design data form to edit the end chainage for the batters if you extend the kerb alignment after creation
- Conditionally Delete Sections
 - The LBAT or RBAT codes CANNOT be used as the 'Code Existing to Trigger Variation'
- The **Add CADApps Catalog**, **Set Common Folder** and **Set Data Path** commands can be restricted on VISTA operating systems due to the Vista security protocols. As a workaround you can adjust the Vista permissions and user controls to enable these changes.
- The CADApps Subassembly catalog can be manually created by running (double clicking on) the **ATC-2010.reg** file (or ATC-2010PLK.reg for Polish customers) from the 'Common' folder (start the command ARD General – Settings Path - Open Settings Folder to view the 'common' folder)
- Some Variations are exclusive – after they are applied they are not 'overridden' or adjusted by subsequent variations. The operations affected by this include:
 - Set Code Offsets/Levels to match Surface
 - Insert Section and Match Code Levels to SurfaceUse the Move Up and Move Down buttons to re-order these commands as required.
- If you run the Roads module prior to running the Sewer module you may get a Runtime Error when trying to set the location. If this occurs shut down Civil 3D and restart the Sewer module before you run the Roads module.
- When you insert the ARD Super Subassembly into an Assembly it will not display correctly and several warnings will appear in the Event Viewer. The subassembly will function as expected and the corridor will build as per normal.
- When creating the Civil 3D Corridor of the Road model error messages will be displayed in the Event Viewer. This will not impact on the quality of the Corridor model, it will build as expected. However due to the large number of error messages, the built time may be slower than expected.